

LBL--90-Rev. (10/96)

LBL-90 Revised

UC-414

October 1996

A GUIDE TO
EXPERIMENTAL PARTICLE PHYSICS LITERATURE
1991-1996

V.V. Ezhela, B.B. Filimonov, S.B. Lugovsky, A.S. Nikolaev,
B.V. Polishchuk, S.R. Slabospitsky, S.I. Striganov, and Yu.G. Stroganov
Compilation, Analysis and Systematization Group, Institute for High Energy Physics
Protvino, Moscow Region, Russian Federation*

G.A. Arutyunyan and S.M. Kiselev
*Institute of Theoretical and Experimental Physics
Moscow, Russian Federation*

B. Armstrong, R.M. Barnett, P.S. Gee,
D. E. Groom, T.G. Trippe, and C.G. Wohl
*Particle Data Group,† Lawrence Berkeley National Laboratory
University of California, Berkeley, California, 94720, USA*

MASTER

Abstract

We present an indexed guide to experimental particle physics literature for the years 1991 - 1996. Approximately 4200 papers are indexed by

- Beam/Target/Momentum
- Reaction/Momentum/Data-Descriptor (including the final state)
- Particle/Decay
- Accelerator/Experiment/Detector

All indices are cross-referenced to the paper's title and references in the ID/Reference/Title index. The information presented in this guide is also publicly available on a regularly-updated DATAGUIDE database from the World Wide Web <http://wwwppds.ihep.su:8001/ppds.html> or <http://muse.lbl.gov:8001/ppds.html>.

*The COMPAS Group is supported in part by the Russian Foundation for Basic Research under contract RFBR-96-07-89230.

†The Particle Data Group is supported by the Director, Office of Energy Research, Office of High Energy and Nuclear Physics, Division of High Energy Physics of the U.S. Department of Energy under Contract No. DE-AC03-76SF00098, and by the U.S. National Science Foundation under Agreement No. PHY-9320551. Partial funding to cover the cost of this publication is also provided by an implementing arrangement between the governments of Japan (Monbusho) and the United States (DOE) on cooperative research and development.

DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED

27

DISCLAIMER

This document was prepared as an account of work sponsored by the United States Government. While this document is believed to contain correct information, neither the United States Government nor any agency thereof, nor The Regents of the University of California, nor any of their employees, makes any warranty, express or implied, or assumes any legal responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by its trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof, or The Regents of the University of California. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof, or The Regents of the University of California.

Available to DOE and DOE Contractors
from the Office of Scientific and Technical Information
P.O. Box 62, Oak Ridge, TN 37831
Prices available from (615) 576-8401

Available to the public from the
National Technical Information Service
U.S. Department of Commerce
5285 Port Royal Road, Springfield, VA 22161

Ernest Orlando Lawrence Berkeley National Laboratory
is an equal opportunity employer.

DISCLAIMER

Portions of this document may be illegible in electronic image products. Images are produced from the best available original document.

TABLE OF CONTENTS

Introduction

1. Overview	1
2. Scope of this Compilation	1
3. Using this Compilation	1
4. Particle Physics Data System	2
5. Accessing the PPDS Databases	2
References	3

Indices

ID/Reference/Title Index	5
Beam/Target/Momentum Index	119
Reaction/Momentum/Data-Descriptor Index	159
Particle/Decay Index	331
Accelerator/Experiment/Detector Index	401

Vocabularies

Particle Vocabulary	429
Accelerator Vocabulary	447
Detector Vocabulary	451
Data Descriptor Vocabulary	457

1. Overview

This report is a guide to experimental particle physics papers containing new experimental data published or preprinted during the years 1991–1996. Earlier papers may be found in previous editions of this report.¹ No actual data are presented in this report. The report is based on the *DATAGUIDE* database, maintained by the COMPAS Group at IHEP Protvino on the BDMS system under OpenVMS. The database is accessible from the World Wide Web:

<http://wwwppds.ihep.su:8001/ppds.html>

or

<http://muse.lbl.gov:8001/ppds.html>.

In this Introduction, Section 2 discusses the scope of this compilation and its sources of information. Section 3 tells how to use this book. Section 4 describes publicly-accessible Particle Physics Data System databases. Section 5 tells how to access those databases, including the *DATAGUIDE* database on which this book is based.

The body of this report contains five Indices followed by four Vocabularies. In the Indices, papers are referenced by an identifier (ID) consisting of the first author's name and the year of first preprinting or publication, *e.g.* Smith 91. The five Indices are:

- The **ID/Reference/Title** Index lists IDs, each with the title and preprint number and/or publication reference. From the ID of a paper in any of the other Indices, you can find the full reference in the first Index.
- The **Beam/Target/Momentum** Index lists papers by beam particle, target particle, and beam momentum (or center-of-mass energy).
- The **Reaction/Momentum/Data-Descriptor** Index lists papers by the full reaction.
- The **Particle/Decay** Index lists papers by a specific particle and its decay.
- The **Accelerator/Experiment/Detector** Index lists papers by the facility at which the experiment was done.

The four Vocabularies which follow the Indices are:

- The **Particle** Vocabulary gives our spelling conventions for particle names. We use the same nomenclature for particles as does the "Review of Particle Physics."²
- The **Accelerator** Vocabularies give the names and abbreviations assigned to accelerators.
- The **Detector** Vocabularies give the names and abbreviations assigned to detectors.
- The **Data Descriptor** Vocabulary gives abbreviations used in the Reaction/Momentum/Data-Descriptor Index.

Please bring any errors and omissions you may find to our attention by e-mail to ezhela@mx.ihep.su.

2. Scope of this Compilation

Compilation of this report begins with extraction of bibliographic data from a scan of the literature made by the COMPAS Group at IHEP Protvino. Additional bibliographic data comes

from the SLAC-SPIRES *HEP* database, a joint project of the SLAC and DESY libraries. From the papers in these databases, we select those with experimental data. In cases of uncertainty about the newness or originality of data, we include the paper. All decisions are made by a physicist.

"Data" means not only the obvious experimentally measured quantities, but also some derived quantities, such as partial-wave amplitudes. Also, theoretical papers that extract new information from experiments are included. We exclude instrumentation papers and papers mainly of interest only to nuclear physicists, such as nuclear-level or other nuclear-structure measurements. There are, of course, gray areas: many particle physics experiments measure scattering phenomena off nuclei. Heavy-ion experiments are also sometimes of interest to elementary particle physicists. In these areas, we generally include papers that report more than just nuclear-structure parameters and that involve beam energies above about 1 GeV/nucleon, or that report measurements on light nuclear targets, such as the isotopes of hydrogen, helium, or lithium. Other papers are decided on a case-by-case basis by a physicist.

We also publish "Current Experiments in Particle Physics," LBL-91 Revised (1996),³ covering current, approved experiments at the major world accelerators and underground/underwater detectors. It includes a Beam/Target/Momentum Index, a Spokesperson Index, and summaries of each of the experiments.

3. Using this Compilation

Each paper is assigned a unique ID, consisting of the first author's name and the year of the first preprinting or publication. In case of duplicates, we append a letter to distinguish IDs, as in:

Jones 91
 Jones 91B
 Jones 91C.

The maximum length of the ID is 16 characters; thus long names are truncated.

All references for a paper correspond to a single ID given in the ID/Reference/Title Index. When a paper has been both preprinted and published, both references are given. In these cases, the year in the ID, which is usually that of the preprint, may not match the year of the published reference. In the very few cases where the first author of the preprint is not the same as that of the publication, the ID usually contains the preprint's first author.

To see a paper's full author list or to search for a set of papers by the name of one or more authors, one may query the *DATAGUIDE* (see Sections 4 and 5 below) or *HEP* databases:

<http://www-spires.slac.stanford.edu/find/hep>.

The first page of each Index explains its use. It is worthwhile to understand a few of our conventions.

- We follow the particle naming scheme used in the "Review of Particle Physics"² and in the previous two editions of this report; see the latest edition of the "Review" for a complete description. A full list of the particle terms, including terms used to describe collisions and decays, is given in the Particle Vocabulary.

- Some “particle names” actually represent groups of particles. For example,
 - * “X” is used for inclusive measurements or, if used as the only particle in the final state, for total-cross-section measurements;
 - * “inelastic” represents a sum over all inelastic final states;
 - * “jet” represents a jet of particles, treated as a single entity;
 - * “(vees)” represents *zero or more* unspecified neutral vees, “vee (vees)” represents *one or more* unspecified neutral vees, and “2vee (vees)” represents *two or more* of the same;
 - * “mult[charged-hadron]” represents a *collection of reactions* for which the multiplicity distribution of charged hadrons has been measured, or also represents a sum over final states with the specified lower and upper bounds on multiplicity;
 - * “ 0γ ” means final states in which the occurrence of photons in the inclusive part of the final state has been excluded.
- In using the computer database, all antiparticles that are commonly written with a bar over the name are spelled with the letters “BAR” appended to the particle name, *e.g.*, PBAR, LAMBDA/CBAR-.
- Particles tend to be encoded in the same language that the experimenters used. Thus, some inevitable ambiguity occurs; for example, “charged” in one paper may be called “charged-hadron” in another.
- Reactions are listed in the shortest form possible. Identical particles are grouped together, so the reaction $\pi^- p \rightarrow \pi^+ \pi^+ \pi^- \pi^- \pi^- p$ will appear as $\pi^- p \rightarrow p 2\pi^+ 3\pi^-$.

4. Particle Physics Data System

The PPDS databases are maintained by the IHEP Protvino COMPAS Group under the Berkeley Database Management System (BDMS) with input from the worldwide Particle Data Group collaboration. This section describes publicly accessible PPDS databases. See Section 5 for information on accessing these databases.

- *DATAGUIDE* contains two groups of keys:
 - * Bibliographic: ID, references, year of preprinting or publication, authors and affiliations, and experiment number.
 - * Topical: beam particle, target particle, reactions, particles in the final states of reactions, momenta in initial states, types of data obtained, particles whose property has been measured, accelerator and/or detector, and initial state polarization.
- *REACTIONS* is a compilation of numerical experimental particle physics reaction data, including data from 2-body (and quasi-2-body) scattering, e^+e^- annihilation, and inclusive hadron, photon, and lepton physics such as total and differential cross sections, fragmentation functions, structure functions, and polarization measurements. It covers 1952 to the present and is updated approximately quarterly. This database is a collaboration of Durham/RAL and the COMPAS group.

- *CS*, regularly updated from the *REACTIONS* database, contains data from CERN-HERA, UCRL, and LBL cross-section compilations covering 1950 to the present.
- *PP* contains information on particle properties derived from the “Review of Particle Physics” Summary Tables.
- *VOCABULARY* controls usage of particle names, accelerator names, detector names, and data descriptors in the above databases.

5. Accessing the PPDS Databases

DATAGUIDE, *REACTIONS* and *CS* databases are reachable from the World Wide Web on the INTERNET:

`http://wwwppds.ihep.su:8001/ppds.html`

or

`http://muse.lbl.gov:8001/ppds.html`.

Unfortunately searches via the WWW are less powerful and more limited in scope than searches done by telnetting to our databases directly. The PPDS databases can be accessed interactively via INTERNET:

`telnet m10.ihep.su`

or

`telnet muse.lbl.gov`.

Then login to the captive account PPDS_PUBLIC (a password is not required).

In the following description, words in Typewriter Font must be typed as given. Only the letters in UPPER CASE are necessary and these must be entered in upper case. *Italic words* are variables for which the user substitutes an appropriate value, again in upper case.

- For a short explanation of the database, type:
HELP
- For a list of BDMS commands, type:
?
- For an explanation of a particular BDMS command, type:
? *command-word*
(*e.g.*, ?FInd, ?HELpbase, ??)
- To see the record structure and names of keys for searching, type:
FDT
- To browse the index of a key, type:
INDE*x, key-name*
(*e.g.*, INDE*x, AC*)
- To search an index, type:
FInd *key-name =key-value*

Note the use of ‘**’ to terminate each search statement and the use of ‘;’ to separate data elements.

The following examples typify the FIND search command:

`FInd AC=BNL;**`

`FInd AC=BNL; OR AC=BONN;**`

Each successful search produces a list of all previous searches and labels them with a ‘set number.’ A previous search result can then be combined with a current search by use of set numbers:

`FInd (1) and RE=PI+ P --> PI+ P;**`

`FInd (1) and (2) **`

Note that ';' is not used in searches that only use 'sets.'
 Enter DIR to get a list of these set numbers and search commands.

- To do a truncated search, use a slash after the key value:
`FInd DE=HBC/**`
 This finds all detectors that begin with HBC.
- To do a string search, use /C after the key name:
`FInd DE/C=BC/**`
 This finds all detectors that have BC anywhere in the name.
- The following examples are WRONG:
`find ac=bnl;**` (Error: uses lowercase)
`FInd AC BNL;**` (Error: no '=')
`FInd AC=BNL **` (Error: no ';')
`FInd AC=BNL OR BONN;**` (Error: no ';' & no 'AC=')
- To see the results of a search with key names, type:
`LISt`
- Or to restrict data elements shown, append the desired key names. For example:
`LISt,AC,RE,SC`.
 The leading comma and terminal period are required.
- Or for an attractive listing, type:
`DOcument then`
`LOOkfile`
- To save the result of a search in a file, type one of the following:
`DOcument`
`DUmp`
`PRInt`

The results are stored in the files `DOC.DOC`, `DOC.DUM`, or `DOC.PRN`. The first file contains a user-friendly listing, the second contains a highly compressed dump of each record (with data element and value), and the third contains a line-by-line decompressed version of the second file. Another file automatically created, `DOC.AUD`, contains a history of your commands.

REFERENCES

1. S.I. Alekhin *et al.*, "A Guide to Experimental Elementary Particle Physics Literature," LBL-90, revised, 1993.
 S.I. Alekhin *et al.*, "A Guide to Experimental Elementary Particle Physics Literature," LBL-90, revised, 1990.
 G.P. Yost *et al.*, "A Guide to Data in Elementary Particle Physics," LBL-90, revised, 1986.
 C.P. Horne *et al.*, "Indexed Compilation of Experimental High Energy Physics Literature," LBL-90, 1978.
2. R. M. Barnett *et al.* (Particle Data Group), "Review of Particle Physics," Phys. Rev. **D54**, 1 (1996).
3. H. Galić *et al.* (Particle Data Group), "Current Experiments in Particle Physics," LBL-91 Revised (1996).

This Index provides the full reference and title and a short identifier (ID) for each of the papers referred to in the later Indices. The ID consists of the name of the first author and the year the paper appeared, as in JONES 91. Other papers with the same first author and year are listed as JONES 91B, JONES 91C, etc.

One may use this index to see if a preprint has been published. Note, however, that the year of preprinting and the year of publishing are often different, and our ID is usually that of the year of preprinting.

Due to text processing procedures, titles of papers in this index may differ slightly from the original titles, especially regarding particle names.

Illustrative Key

Document ID: all other indices in this volume refer to this paper by this ID.	Dougherty 88	LBL-26303; An Experimental Investigation of Double Beta Decay of ^{100}Mo
	Dowell 88	CERN-EP-88-154; Recent Results from the UA1 Experiment
Primary Reference: the journal reference for this paper, if the paper was published.	Drechsel 85	Phys. Rev. Lett. 54:30,1985; Search for Anomalous Fragments of ^{56}Fe Using Plastic Nuclear Track Detectors
	Drotsky 86	Phys. Rev. C32:1305,1985; Excitation Functions for the Production of ^{18}F and ^{24}Na from Al and Si with Fast Pions
Additional References: the preprint number (occasionally there is more than one).	Druzhinin 88	Z. Phys. C37:1,1988; NOVO-87-52; Search for Rare Radiative Decays of the ϕ Meson at VEPP-2M
	Dubar 89	Yad. Phys. 49:1239,1989; Parametrization of Total Cross Sections at Intermediate Energies
	Dubinina 88	Pisma Zh. Eksp. Teor. Fiz. 48:233,1988; Observation of the Slow Pion Production in the Nucleus Nucleus Interactions
	Duffy 85	Phys. Rev. Lett. 55:1816,1985; A-dependence of Charm Production
	Dugan 85B	Phys. Rev. Lett. 55:170,1985; HUTP-85/A033; New Neutrino Constraints on Majorana Mass Matrices
Title of Paper	Dukhovskoj 87	Yad. Phys. 47:1816,1988; ITEP-87-198; Measurement of the Total Cross Sections of the Proton Interactions with Nuclei ^6Li, ^7Li, and ^9Be at 2 GeV/ c

- Abachi 93 FERMILAB-CONF-93-287;
D0 Results on Searches for the Top Quark
- Abachi 93B Phys. Rev. Lett. 72:965, 1994; FERMILAB-PUB-93-340-E; D0-NOTE-1974;
First Generation Leptoquark Search in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abachi 94 Phys. Rev. Lett. 72:2332, 1994; FERMILAB-PUB-94-005-E; D0-NOTE-2021;
Rapidity Gaps between Jets in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abachi 94B Phys. Rev. Lett. 74:2422, 1995; FERMILAB-PUB-94-354-E;
Search for High Mass Top Quark Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abachi 94C Phys. Rev. Lett. 74:3548, 1995; FERMILAB-PUB-94-409-E;
Inclusive μ^- and b -Quark Production Cross Sections in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abachi 94D Phys. Rev. Lett. 72:2138, 1994; FERMILAB-PUB-94-004-E;
Search for the Top Quark in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abachi 95B FERMILAB-PUB-95-042-E;
Measurement of the $Z^0 Z^0 \gamma$ and $Z^0 \gamma \gamma$ Couplings in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abachi 95C Phys. Rev. Lett. 75:1023, 1995; FERMILAB-PUB-95-044-E;
Search for W^\pm Boson Pair Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abachi 95E Phys. Rev. Lett. 75:1034, 1995; FERMILAB-PUB-95-101-E;
Measurement of the $W^\pm W^\pm \gamma$ Gauge Boson Couplings in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abachi 95F Phys. Rev. Lett. 75:618, 1995; FERMILAB-PUB-95-057-E;
Search for Squarks and Gluinos in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abachi 95G Phys. Rev. Lett. 74:2632, 1995; FERMILAB-PUB-95-028-E;
Observation of the Top Quark
- Abachi 95H FERMILAB-CONF-95-217-E;
Measurement of the Inclusive Triple Differential Dijet Cross Section, $d^3\sigma/dE_T d\eta_1 d\eta_2$ in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abachi 95I Phys. Rev. Lett. 75:1456, 1995; FERMILAB-PUB-95-130-E;
 W^\pm and Z^0 Boson Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abachi 95J FERMILAB-CONF-95-206-E;
Measurement of the Υ Cross Section at D0 Using Dimuons
- Abachi 95K FERMILAB-CONF-95-210-E;
Searches for New Gauge Bosons Using the D0 Detector
- Abachi 95L FERMILAB-CONF-95-193-E;
Search for Squarks and Gluinos in $p\bar{p}$ Collisions at the D0 Detector
- Abachi 95M FERMILAB-CONF-95-207-E;
Inclusive Dimuon and b Quark Production Cross Sections in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abachi 95N FERMILAB-CONF-95-251-E;
Diphoton Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abachi 95O FERMILAB-CONF-95-249-E;
Limits on the Anomalous $Z^0 Z^0 \gamma$ and $Z^0 \gamma \gamma$ Couplings in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abachi 95P FERMILAB-CONF-95-208-E;
Inclusive Muon and b Quark Production Cross-Sections in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abachi 95Q FERMILAB-CONF-95-216-E;
Rapidity Gaps Between Jets at D0
- Abachi 95R FERMILAB-CONF-95-209-E;
Measurement of $B^0 \bar{B}^0$ Mixing Using Dimuons at D0
- Abachi 95S Phys. Lett. 357B:500, 1995; FERMILAB-PUB-95-203-E;
Transverse Energy Distributions within Jets in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abachi 95T FERMILAB-CONF-95-215-E;
Single Photon, Photon Jet and Diphoton Production at D0
- Abachi 95U FERMILAB-CONF-95-242-E;
Search for W^\pm Boson Pair Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abachi 95V Phys. Rev. D52:4877, 1995; FERMILAB-PUB-95-020-E;
Top Quark Search with the D0 1992 - 1993 Data Sample
- Abachi 95W FERMILAB-CONF-95-214-E;
Studies of Topological Distributions of the Three and Four Jet Events in $\bar{p}p$ Collisions at $\sqrt{s} = 1800$ GeV with the D0 Detector
- Abachi 95X FERMILAB-CONF-95-254-E;
Search for Fourth Generation Neutral Heavy Leptons
- Abachi 95Y FERMILAB-CONF-95-212-E;
A Study of the Strong Coupling Constant Using $W^\pm +$ Jets Processes
- Abachi 95Z Phys. Rev. Lett. 75:3618, 1995; FERMILAB-PUB-95-185-E; HEPEX-9507002;
Second Generation Leptoquark Search in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abachi 95ZB FERMILAB-CONF-95-205-E;
 $J/\psi(1S)$ Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abachi 95ZC Phys. Rev. Lett. 76:734, 1996; FERMILAB-PUB-95-302-E; HEPEX-9509013;
Jet Production via Strongly-Interacting Color-Singlet Exchange in $p\bar{p}$ Collisions
- Abachi 95ZD Phys. Lett. 358B:405, 1995; FERMILAB-PUB-95-283-E;
Search for Heavy W^\pm Boson in 1.8 TeV $p\bar{p}$ Collisions
- Abachi 95ZE FERMILAB-CONF-95-259-E; HEPEX-9508002;
Tests of QCD in W^\pm and Z^0 Production at Tevatron
- Abachi 95ZF FERMILAB-CONF-95-250-E;
Search for Anomalous $W^\pm W^\pm$ and $W^\pm Z^0$ Production at D0
- Abachi 95ZG FERMILAB-CONF-95-184-E;
Search for First and Second Generation Leptoquarks at D0
- Abachi 95ZH FERMILAB-CONF-95-218-E;
Rapidity Correlations between High p_T Intermediate Vector Bosons and Jets in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abachi 95ZI FERMILAB-CONF-95-204-E;
Transverse Energy Distributions Within Jets in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abachi 95ZJ Phys. Rev. Lett. 75:1028, 1995;
Limits on the Anomalous $Z^0 Z^0 \gamma$ and $Z^0 \gamma \gamma$ Couplings in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV

Abachi 95ZK

Abbott 94

- Abachi 95ZK Phys. Rev. D53:6000, 1996; FERMILAB-PUB-95-296-E;
Studies of Topological Distributions of Inclusive Three- and Four-Jet Events in $\bar{p}p$ Collisions at $\sqrt{s} = 1800$ GeV with the D0 Detector
- Abachi 95ZL FERMILAB-CONF-95-361-E;
Rapidity Dependence of the Inclusive $J/\psi(1S)$ Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abachi 95ZM Phys. Rev. Lett. 75:3226, 1995; FERMILAB-PUB-95-085-E;
A Study of the Strong Coupling Constant Using $W^\pm +$ Jets Processes
- Abachi 95ZN Phys. Rev. Lett. 76:3271, 1996; FERMILAB-PUB-95-412-E; HEPEX-9512007;
Search for Right-Handed W^\pm Bosons and Heavy W'^\pm in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abachi 95ZO Phys. Rev. Lett. 76:2228, 1996; FERMILAB-PUB-95-385-E;
Search for Supersymmetric wino₁ zino₂ Production via Trilepton Final States in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abachi 95ZP Phys. Rev. Lett. 76:2222, 1996; FERMILAB-PUB-95-380-E;
Search for Light Top Squarks in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abachi 96 Phys. Lett. 370B:239, 1996; FERMILAB-PUB-96-003-E;
 $J/\psi(1S)$ Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abachi 96B Phys. Rev. Lett. 77:595, 1996; FERMILAB-PUB-96-038-E;
The Azimuthal Decorrelation of Jets Widely Separated in Rapidity
- Abaev 92 LNPI-92-1794;
Phase-Shift Analysis of π nucleon Scattering in the Region 160 – 600 MeV
- Abaev 95 Yad. Phys. 58:1635, 1995;
Measurement of the Spin Rotation Parameter A_+ in $\pi^+ p$ Elastic Scattering at 1.43 GeV/c
- Abatzis 90B Phys. Lett. 259B:509, 1991; CERN-PPE-90-165;
Production of Multistrange Baryons and Antibaryons in Sulphur-Tungsten Interactions at 200 GeV/c per Nucleon
- Abatzis 91 Phys. Lett. 270B:123, 1991; CERN-PPE-91-112;
 Ξ^-, Ξ^+, Λ and $\bar{\Lambda}$ Production in Sulphur-Tungsten Interactions at 200 GeV/c per Nucleon
- Abatzis 91B Nucl. Phys. A525:441c, 1991;
Multi-Strange Baryon and Antibaryon Production in Sulphur-Tungsten and Proton-Tungsten Interactions at 200 GeV/c per Nucleon
- Abatzis 91C Nucl. Phys. A525:445c, 1991;
 Λ and Anti- Λ Production in $^{32}\text{S} + \text{Wt}$ and $p + \text{Wt}$ Interactions at 200 A GeV/c
- Abatzis 92 Nucl. Phys. A544:321c, 1992;
Strange Particle Production in Sulphur-Tungsten Interactions at 200 GeV/c per Nucleon
- Abatzis 93 Phys. Lett. 316B:615, 1993; CERN-PPE-93-160;
Observation of Ω^- and $\bar{\Omega}^+$ in Sulphur-Tungsten Interactions at 200 GeV/c per Nucleon
- Abatzis 94 Nucl. Phys. A566:225c, 1994;
New Results from WA85 on Multistrange Hyperon Production in 200 A GeV/c S-Wt Interactions
- Abatzis 94B Nucl. Phys. A566:491c, 1994;
 Ω^- Signal in WA85
- Abatzis 94C Nucl. Phys. A566:499c, 1994;
Strange Particle Production in Sulphur-Sulphur Interactions at 200 GeV/c per Nucleon
- Abatzis 94D Phys. Lett. 324B:509, 1994; CERN-PPE-94-28;
Observation of a Narrow Scalar Meson at 1450 MeV in the Reaction $p p \rightarrow p_f (\pi^+ \pi^- \pi^+ \pi^-) p_s$ at 450 GeV/c Using the CERN Omega Spectrometer
- Abatzis 95 Phys. Lett. 354B:178, 1995; CERN-PPE-95-66;
A Study of Cascade and Strange Baryon Production in Sulphur-Sulphur Interactions at 200 GeV/c per Nucleon
- Abatzis 95B Phys. Lett. 355B:401, 1995; CERN-PPE-95-74;
Charged Kaon Production in S Wt Collisions at 200 GeV/c per Nucleon
- Abatzis 95C Nucl. Phys. A590:317c, 1995;
Strange Particle Production in Sulphur-Sulphur Interactions at 200 GeV/c
- Abatzis 95D Nucl. Phys. A590:307c, 1995;
Results on the Production of Baryons with $S = 1,2,3$ and Strange Mesons in S-Wt Collisions at 200 GeV/c per Nucleon
- Abatzis 95E Phys. Lett. 347B:158, 1995;
Measurement of the Ω/Ξ Production Ratio in Central S-Wt Interactions at 200 A GeV/c
- Abazov 91 Phys. Rev. Lett. 67:3332, 1991;
Search for Neutrinos from the Sun Using the Reaction $\nu_e \text{}^{71}\text{Ga} \rightarrow e^- \text{}^{71}\text{Ge}$
- Abazov 93 Kr. Soob. JINR 59:65, 1993;
The First Results of the Muonium to Antimuonium Conversion Experiment at Dubna Phasotron
- Abbott 91 Phys. Lett. 271B:447, 1991;
Antiproton Production in 14.6 A GeV Si nucleus Collisions
- Abbott 91B Nucl. Phys. A525:231c, 1991;
Particle Production in Si nucleus and p nucleus Collisions at 14.6 A GeV/c
- Abbott 91C Phys. Rev. Lett. 66:1567, 1991;
Comparison of p Au and Si Au Collisions at 14.6 GeV/c
- Abbott 91D Nucl. Phys. A525:531c, 1991;
Bose-Einstein Correlations in 14.6 A GeV/c $^{28}\text{Si} +$ nucleus Collisions
- Abbott 92 Phys. Rev. D45:3906, 1992;
Measurement of Particle Production in Proton-Induced Reactions at 14.6 GeV/c
- Abbott 92B Phys. Rev. C45:2933, 1992;
Global Transverse Energy Distributions in Relativistic Nuclear Collisions at 14.6 A GeV/c
- Abbott 92C Phys. Lett. 291B:341, 1992;
Centrality Dependence of K^+ and π^+ Multiplicities from Si + A Collisions at 14.6 A GeV/c
- Abbott 92D Phys. Rev. Lett. 69:1030, 1992; BNL-47572;
Bose-Einstein Correlations in Si + Al and Si + Al Collisions at 14.6 A GeV/c
- Abbott 93 Phys. Rev. C47:R1351, 1993; BNL-48224;
Antiproton Production in $p + A$ Collisions at 14.6 GeV/c
- Abbott 94 Phys. Rev. C50:1024, 1994; BNL-60277;
Charged Hadron Distributions in Central and Peripheral Si + A Collisions at 14.6 A GeV/c

- Abbott 94B Phys. Lett. 337B:254, 1994; BNL-49897;
Intermittency in Central Collisions of $^{16}\text{O} + \text{A}$ at 14.6 A GeV/c
- Abbott 95 Phys. Rev. C52:2663, 1995; BNL-61896;
Multiplicity Distributions from Central Collisions of $^{16}\text{O} + \text{Cu}$ at 14.6 A GeV/c and Intermittency
- Abdullin 92 Yad. Phys. 56-4:204, 1993; Nucl. Phys. A569:753, 1994; ITEP-92-86;
Cross Sections of ^4He Interaction with Protons and He p Elastic Scattering at 2.7 GeV/c
- Abdurakhimov 91 JINR-P1-91-240;
Topological Characteristics of the Charge Exchange Reaction $^3\text{H} \rightarrow ^3\text{He}$ on Neon and Magnesium Nuclei at 9 GeV/c
- Abdurashitov 94 Phys. Lett. 328B:234, 1994;
Results from SAGE
- Abduzhamilov 91 Yad. Phys. 53:1311, 1991;
Some Peculiarities of Multiple Production in $p p$ Interactions at 200 and 400 GeV
- Abe 90I Phys. Rev. D43:664, 1991; FERMILAB-PUB-90-137-E; ANL-HEP-PR-90-109; CDF-PUB-HEAVYFLAVOR-PUBLIC-1188; UPR-0193E;
Top Quark Search in Electron + Jets Channel in Proton-Antiproton Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 90J Phys. Rev. D43:2070, 1991; ANL-HEP-PR-90-72; FERMILAB-PUB-90-162-E;
A Measurement of the W^\pm Boson Mass in 1.8 TeV $\bar{p} p$ Collisions
- Abe 90L Phys. Rev. D44:29, 1991; FERMILAB-PUB-90-229-E; ANL-HEP-PR-91-64;
A Measurement of $\sigma \times \text{Br}(W^\pm \rightarrow e^\pm \nu)$ and $\sigma \times \text{Br}(Z^0 \rightarrow e^+ e^-)$ in $\bar{p} p$ Collisions at $\sqrt{s} = 1800$ GeV
- Abe 91 Phys. Rev. Lett. 66:2951, 1991; FERMILAB-PUB-91-33-E;
Measurement of the $W^\pm p_T$ Distribution in $\bar{p} p$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 91B Phys. Rev. D44:601, 1991; FERMILAB-PUB-91-23-E;
Measurement of QCD Jet Broadening in $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 91C Phys. Rev. Lett. 67:1502, 1991; FERMILAB-PUB-91-134-E;
A Determination of $\sin^2\theta_W$ from the Forward-Backward Asymmetry in $p \bar{p} \rightarrow Z^0 X \rightarrow e^+ e^- X$ Interactions at $\sqrt{s} = 1.8$ TeV
- Abe 91D Phys. Rev. Lett. 67:2418, 1991; FERMILAB-PUB-91-169-E;
Measurement of the $e^+ e^-$ Invariant Mass Distribution in $\bar{p} p$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 91E Phys. Rev. Lett. 67:2609, 1991; FERMILAB-PUB-91-208-E;
Search for $W'^\pm \rightarrow e^\pm \nu$ and $W'^\pm \rightarrow \mu^\pm \nu$ in $\bar{p} p$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 91F Phys. Rev. Lett. 68:1104, 1992; FERMILAB-PUB-91-231-E;
Inclusive Jet Cross Section in $\bar{p} p$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 91G Phys. Rev. Lett. 68:447, 1992; FERMILAB-PUB-91-280;
A Lower Limit on the Top Quark Mass from Events with Two Leptons in $\bar{p} p$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 91H Phys. Rev. Lett. 68:1463, 1992; FERMILAB-PUB-91-327-E;
A Search for New Gauge Bosons in $\bar{p} p$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 91I Phys. Rev. D45:2249, 1992; FERMILAB-PUB-91-283-E;
Properties of Events with Large Total Transverse Energy Produced in Proton-Antiproton Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 91J Phys. Rev. Lett. 67:2937, 1991; FERMILAB-PUB-91-199-E;
Measurement of the $Z^0 p_T$ Distribution in $\bar{p} p$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 91K Phys. Rev. D45:3921, 1992; FERMILAB-PUB-91-352-E;
A Limit on the Top Quark Mass from Proton-Antiproton Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 91L Phys. Rev. Lett. 68:1458, 1992; FERMILAB-PUB-91-263-E;
Lepton Asymmetry in W^\pm Decay from $\bar{p} p$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 91M Phys. Rev. Lett. 68:3398, 1992; FERMILAB-PUB-91-356-E;
Measurement of the Ratio $\sigma \times \text{Br}(W^\pm \rightarrow \tau^\pm \nu)/\sigma \times \text{Br}(W^\pm \rightarrow e^- \nu)$ in $\bar{p} p$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 91N Phys. Rev. Lett. 67:3351, 1991; FERMILAB-PUB-91-201-E; CDF-PUB-HEAVYFLAVOR-PUBLIC-1442;
Measurement of $B^0 \bar{B}^0$ Mixing at the Fermilab Tevatron Collider
- Abe 91O Phys. Rev. D45:1448, 1992; FERMILAB-PUB-91-181-E;
The Topology of Three Jet Events in $\bar{p} p$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 92 Phys. Rev. Lett. 68:3403, 1992; FERMILAB-PUB-92-21-E;
A Measurement of the B -Meson and b -Quark Cross Sections at $\sqrt{s} = 1.8$ TeV Using the Exclusive Decay $B^\pm \rightarrow J/\psi(1S) K^\pm$
- Abe 92B Phys. Rev. Lett. 68:2734, 1992; FERMILAB-PUB-92-31-E; ANL-HEP-PR-92-69;
Measurement of the Isolated Prompt Photon Cross Section in $\bar{p} p$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 92C Phys. Rev. Lett. 69:28, 1992; FERMILAB-PUB-92-69-E; ANL-HEP-92-78; CDF-PUB-ELECTROWEAK-CDFR-1649;
A Measurement of the Production and Muonic Decay Rate of W^\pm and Z^0 Bosons in $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 92D Phys. Rev. Lett. 69:2896, 1992; FERMILAB-PUB-92-182-E; ANL-HEP-PR-93-17;
The Dijet Angular Distribution in $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 92E Phys. Rev. D47:2639, 1993; FERMILAB-PUB-92-250-E; ANL-HEP-PR-93-47;
Search for $\Lambda_b \rightarrow J/\psi(1S) \Lambda$ in $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 92F Phys. Rev. Lett. 69:2160, 1992; FERMILAB-PUB-92-157-E; ANL-HEP-PR-93-03;
Limits on the Rare Decay $W^\pm \rightarrow \gamma \pi^\pm$ in $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 92G Phys. Rev. Lett. 69:3704, 1992; FERMILAB-PUB-92-236-E; ANL-HEP-PR-93-26;
Inclusive $J/\psi(1S)$, $\psi(2S)$ and b -Quark Production in $\bar{p} p$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 92H Phys. Rev. Lett. 70:713, 1993; FERMILAB-PUB-92-167-E; ANL-HEP-PR-93-46;
A Measurement of Jet Shapes in $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 92I Phys. Rev. Lett. 70:1376, 1993; FERMILAB-PUB-92-286-E; CDF-PUB-JET-PUBLIC-1792; ANL-HEP-PR-93-53;
Comparison of Jet Production in $\bar{p} p$ Collisions at $\sqrt{s} = 546$ and 1800 GeV
- Abe 92J Phys. Rev. D46:1889, 1992; FERMILAB-PUB-92-152-E;
Limits on the Production of Massive Stable Charged Particles
- Abe 92K Phys. Rev. Lett. 70:2232, 1993; FERMILAB-PUB-92-380-E; CDF-PUB-JET-CDFR-1770; ANL-HEP-PR-93-59;
Measurement of the Cross Section for Production of Two Isolated Prompt Photons in $\bar{p} p$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 92L Phys. Rev. D48:2998, 1993; FERMILAB-PUB-92-001-E; ANL-HEP-PR-93-09;
A Prompt Photon Cross Section Measurement in $\bar{p} p$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 92M Phys. Rev. Lett. 69:3439, 1992; FERMILAB-PUB-92-221-E; ANL-HEP-PR-93-25;
Search for Squarks and Gluinos from $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV

Abe 93

Abe 94

- Abe 93 Phys. Lett. 302B:119, 1993; KEK-92-198;
Search for Heavy Neutral Spinless Particles Using $e^+ e^- \rightarrow e^+ e^-$ and $e^+ e^- \rightarrow \gamma \gamma$ Reactions in CM Energy Range between 54 and 64 GeV
- Abe 93B Phys. Lett. 304B:373, 1993; KEK-92-205;
Search for a Narrow Resonance in $e^+ e^-$ Collisions between $E_{cm} = 58$ and 60 GeV
- Abe 93C Phys. Rev. D48:998, 1993; FERMILAB-PUB-93-017-E; CDF-ANAL-JET-PUBLIC-1818; ANL-HEP-PR-93-81;
Measurement of the Dijet Mass Distribution in $\bar{p} p$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 93D Phys. Rev. Lett. 71:679, 1993; FERMILAB-PUB-93-032-E; CDF-PUB-JET-PUBLIC-1915; ANL-HEP-PR-93-84;
The Center-of-Mass Angular Distribution of Prompt Photons Produced in $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 93E FERMILAB-CONF-93-206-E;
The Center-of-Mass Angular Distribution of Prompt Photons Produced in $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 93F FERMILAB-CONF-93-202-E;
Direct Photon Results from CDF
- Abe 93G FERMILAB-CONF-93-209-E;
The Lepton Charge Asymmetry in the Decay of W^\pm Bosons Produced in $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 93H FERMILAB-CONF-93-201-E;
The Two-Jet Differential Cross-Section at CDF
- Abe 93I FERMILAB-CONF-93-199-E;
The Cross Section for the Production of $b \bar{b}$ Pairs in $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 93J FERMILAB-CONF-93-200-E;
Measurement of the B Meson and b Cross-Sections in $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV Using the Exclusive Decays $B^+ \rightarrow J/\psi(1S) K^+$ and $B^0 \rightarrow J/\psi(1S) K^*(892)^0$
- Abe 93K FERMILAB-CONF-93-203-E;
Probing the Gluon Distribution with the $SS - OS$ Dijet Cross Section Ratio
- Abe 93L FERMILAB-CONF-93-204-E;
Measurement of the Inclusive Jet Cross Section in $p \bar{p}$ Collisions at CDF
- Abe 93M Phys. Rev. Lett. 70:2515, 1993; SLAC-PUB-6030;
First Measurement of the Left-Right Cross Section Asymmetry in Z^0 Boson Production by $e^+ e^-$ Collisions
- Abe 93N Phys. Rev. Lett. 71:3421, 1993; FERMILAB-PUB-93-158-E; ANL-HEP-PR-94-22;
Measurement of the Average Lifetime of B Hadrons Produced in $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 93O Phys. Rev. Lett. 71:500, 1993; FERMILAB-PUB-93-091-E; ANL-HEP-PR-93-30; CDF-PUB-HEAVYFLAVOR-PUBLIC-1653;
Measurement of the Bottom Quark Production Cross Section Using Semileptonic Decay Electrons in $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 93P Phys. Rev. Lett. 71:2396, 1993; FERMILAB-PUB-93-145-E;
Measurement of Bottom Quark Production in 1.8 TeV $p \bar{p}$ Collisions Using Muons from b -Quark Decays
- Abe 93Q Phys. Rev. Lett. 71:2537, 1993; FERMILAB-PUB-93-106-E; CDF-PUB-BOTTOM-CDFR-1988;
Inclusive χ_c and b Production in $\bar{p} p$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 93R Phys. Rev. D48:R3939, 1993; FERMILAB-PUB-93-070-E;
A Search for First-Generation Leptoquarks in $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 93S Phys. Rev. D50:5550, 1994; FERMILAB-PUB-93-234-E;
Measurement of the Antiproton-Proton Total Cross Section at $\sqrt{s} = 546$ and 1800 GeV
- Abe 93T Phys. Rev. D50:5535, 1994; FERMILAB-PUB-93-233-E; CDF-PUB-MIN-BIAS-PUBLIC-2050;
Measurement of $\bar{p} p$ Single Diffraction Dissociation at $\sqrt{s} = 546$ and 1800 GeV
- Abe 93U Phys. Rev. D50:5518, 1994; FERMILAB-PUB-93-232-E; CDF-PUB-MIN-BIAS-PUBLIC-2049;
Measurement of Small Angle Antiproton-Proton Elastic Scattering at $\sqrt{s} = 546$ and 1800 GeV
- Abe 93V Phys. Rev. Lett. 70:4042, 1993; FERMILAB-PUB-93-063-E; CDF-DOC-ELECTROWEAK-CDFR-1951; ANL-HEP-PR-93-82;
Measurement of Jet Multiplicity in W^\pm Events Produced in $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 93W Phys. Rev. D49:1, 1994; FERMILAB-PUB-93-133-E; CDF-PUB-ELECTROWEAK-PUBLIC-1760; ANL-HEP-PR-94-88;
Measurement of Drell-Yan Electron and Muon Pair Differential Cross-Sections in $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 93X Phys. Rev. Lett. 71:2528, 1993; SLAC-PUB-6133;
A Measurement of α_s from Jet Rates at the Z^0 Resonance
- Abe 93Y Phys. Rev. Lett. 71:1685, 1993; FERMILAB-PUB-93-141-E; CDF-PUB-BOTTOM-PUBLIC-2077;
Observation of the Decay $B_s \rightarrow J/\psi(1S) \phi(1020)$ in $\bar{p} p$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 93Z SLAC-PUB-6262;
A Measurement of $R_b = \Gamma(Z^0 \rightarrow b\bar{b})/\Gamma(Z^0 \rightarrow \text{hadrons})$ at SLD
- Abe 93ZB FERMILAB-CONF-93-208-E;
A Study of Events with the Highest Total Transverse Energy in CDF
- Abe 93ZC Phys. Rev. Lett. 71:2542, 1993; FERMILAB-PUB-93-151-E; CDF-ANL-JET-CDFR-2064;
Search for Quark Compositeness, Axiguons and Heavy Particles Using the Dijet Invariant Mass Spectrum Observed in $p \bar{p}$ Collisions
- Abe 93ZD Phys. Rev. D47:4857, 1993; FERMILAB-PUB-93-003-E; ANL-HEP-PR-93-58;
Study of Four Jet Events and Evidence for Double Parton Interactions in $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 93ZE FERMILAB-CONF-93-205-E;
Search for Excited Quarks in $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ -TeV
- Abe 93ZF Phys. Lett. 313B:288, 1993; KEK-93-31;
A Study of the Charm and Bottom Quark Production in $e^+ e^-$ Annihilation at $\sqrt{s} = 58$ GeV Using Prompt Electrons
- Abe 93ZG FERMILAB-CONF-93-198-E; CDF-PUB-BOTTOM-PUBLIC-2153;
Measurement of the B^+ and B^0 Lifetimes
- Abe 93ZH FERMILAB-CONF-93-213-E; CDF-PUB-EXOTIC-PUBLIC-2156;
SUSY Search Using Trilepton Events from $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 93ZI FERMILAB-CONF-93-214-E; CDF-PUB-TOP-PUBLIC-2164;
A Search for Top Quark Decaying to Charged Higgs in $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 93ZJ FERMILAB-CONF-93-212-E;
Top Dilepton Search at CDF
- Abe 93ZK FERMILAB-CONF-93-207-E; CDF-PUB-JET-PUBLIC-2158;
The Ratio of CDF Low E_T Jet Cross-Sections at $\sqrt{s} = 546$ and 1800 GeV
- Abe 94 FERMILAB-CONF-94-146-E; CDF-PUB-ELECTROWEAK-PUBLIC-2628;
Tests of Structure Functions Using Leptons at CDF: W^\pm Asymmetry and Drell-Yan Production

- Abe 94B Phys. Rev. Lett. 73:225, 1994; FERMILAB-PUB-94-116-E; ANL-HEP-PR-94-61; CDF-PUB-TOP-PUBLIC-2595;
Evidence for Top Quark Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 94C Phys. Rev. Lett. 73:25, 1994; SLAC-PUB-6456;
Precise Measurement of the Left-Right Cross Section Asymmetry in Z^0 Boson Production by e^+e^- Collisions
- Abe 94D Phys. Rev. Lett. 72:3456, 1994; FERMILAB-PUB-94-034-E; CDF-PUB-BOTTOM-PUBLIC-2381; ANL-HEP-PR-94-50;
Measurement of the B^+ and B^0 Meson Lifetimes
- Abe 94E Phys. Rev. Lett. 72:1977, 1994; FERMILAB-PUB-93-338-E; CDF-PUB-EXOTIC-PUBLIC-2283; ANL-HEP-PR-94-35;
A Search for the Top Quark Decaying to Charged Higgs in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 94F Phys. Rev. D50:5562, 1994; FERMILAB-PUB-94-072-E; CDF-ANAL-JET-PUBLIC-2413;
Evidence for Color Coherence in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 94G Phys. Rev. Lett. 73:2296, 1994; FERMILAB-PUB-94-126-E; CDF-PUB-ELECTROWEAK-PUBLIC-2537;
 W^\pm Boson + Jet Angular Distribution in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 94H Phys. Rev. Lett. 73:2662, 1994; Phys. Rev. Lett. 74:1891, 1995; FERMILAB-PUB-94-208-E; CDF-PUB-JET-PUBLIC-2656;
A Precision Measurement of the Prompt Photon Cross-Section in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 94I FERMILAB-PUB-94-202-E; CDF-PUB-EXOTIC-PUBLIC-1491;
Search for Radiative Decays of Neutralinos in Proton-Antiproton Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 94J Phys. Rev. D51:R949, 1995; FERMILAB-PUB-94-198-E; CDF-PUB-ELECTROWEAK-PUBLIC-2651;
Search for New Gauge Bosons Decaying into Dielectrons in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 94K Phys. Rev. Lett. 74:855, 1995; FERMILAB-PUB-94-194-E; RU-94-52; CDF-PUB-JET-CDFR-2639;
Observation of Rapidity Gaps in $p\bar{p}$ Collisions at 1.8 TeV
- Abe 94L FERMILAB-PUB-94-171-E; CDF-PUB-JET-PUBLIC-2216;
Analysis of Jet Charged Particle Momentum Distributions for Quark-Gluon Separation in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 94M Phys. Rev. Lett. 74:850, 1995; FERMILAB-PUB-94-313-E;
The Charge Asymmetry in W^\pm -Boson Decays Produced in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 94N Phys. Rev. Lett. 74:1936, 1995; FERMILAB-PUB-94-236-E;
Measurement of W^\pm -Photon Couplings with CDF in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 94O Phys. Rev. Lett. 74:1941, 1995; FERMILAB-PUB-94-304-E;
Limits on Z^0 -Photon Couplings from the $p\bar{p}$ Interactions at $\sqrt{s} = 1.8$ TeV
- Abe 94P FERMILAB-PUB-94-244-E;
Measurement of $W^\pm + \gamma$ and $Z^0 + \gamma$ Cross Sections in the Electron and Muon Channels in $\sqrt{s} = 1.8$ TeV $p\bar{p}$ Collisions
- Abe 94Q FERMILAB-PUB-94-131-E;
 $b\bar{b}$ Quark Pair Correlations in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 94R Phys. Rev. Lett. 74:2900, 1995; FERMILAB-PUB-94-268-E;
Search for Charged Bosons Heavier Than the W^\pm in $p\bar{p}$ Collisions at $\sqrt{s} = 1800$ GeV
- Abe 94S Phys. Rev. Lett. 74:341, 1995; FERMILAB-PUB-94-301-E;
A Direct Measurement of the W^\pm Boson Width Γ_{W^\pm}
- Abe 94T Phys. Rev. Lett. 73:2667, 1994;
A Search for the Top Quark Decaying to Charged Higgs in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 94U Phys. Rev. Lett. 74:2890, 1995; SLAC-PUB-6644;
Measurement of A_b from the Left-Right Forward-Backward Asymmetry of b Quark Production in Z^0 Decays Using a Momentum-Weighted Track Change Technique
- Abe 94V Phys. Rev. Lett. 74:2895, 1995; SLAC-PUB-6607;
Measurement of A_b and A_c from the Left-Right Forward-Backward Asymmetry of Leptons in Hadronic Events at the Z^0 Resonance
- Abe 94W Phys. Rev. D51:962, 1995; SLAC-PUB-6641;
Measurement of α_s from Hadronic Event Observables at the Z^0 Resonance
- Abe 94X Phys. Rev. Lett. 74:4988, 1995; FERMILAB-PUB-94-420-E;
Measurement of the B_s Meson Lifetime
- Abe 94Y Phys. Rev. Lett. 74:3538, 1995; FERMILAB-PUB-94-405-E;
Search for New Particles Decaying to Dijets in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 94Z Phys. Rev. D51:4623, 1995; FERMILAB-PUB-94-411-E;
Kinematic Evidence for Top Quark Pair Production in W^+ Multijet Events in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 94ZB Phys. Rev. D53:R2271, 1996; SLAC-PUB-6687;
A Test of the Flavor Independence of Strong Interactions
- Abe 94ZC Phys. Rev. Lett. 72:3145, 1994; SLAC-PUB-6372; LBL-34732;
Measurement of the Charged Multiplicity of $Z^0 \rightarrow b\bar{b}$ Events
- Abe 94ZD Phys. Rev. Lett. 72:3004, 1994; FERMILAB-PUB-93-341-E;
Search for Excited Quarks in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 94ZE Phys. Rev. D50:2966, 1994; FERMILAB-PUB-94-097-E; CDF-PUB-TOP-PUBLIC-2561;
Evidence for Top Quark Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 94ZF Phys. Rev. D50:4252, 1994; ANL-HEP-PR-94-89;
Measurement of the B Meson and b Quark Cross-Sections at $\sqrt{s} = 1.8$ TeV Using the Exclusive Decays $B^0 \rightarrow J/\psi(1S) K^*(892)^0$
- Abe 94ZG Phys. Rev. Lett. 73:220, 1994; FERMILAB-PUB-94-051-E; CDF-PUB-ELECTROWEAK-PUBLIC-2182;
Measurement of the Ratio $\sigma \cdot B(W^\pm \rightarrow e^\pm \nu) / \sigma \cdot B(Z^0 \rightarrow e^+ e^-)$ in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 95B Phys. Rev. Lett. 75:1012, 1995; FERMILAB-PUB-95-050-E;
A Search for Second Generation Leptoquarks in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 95C Phys. Rev. Lett. 75:11, 1995; FERMILAB-PUB-95-035-E;
Measurement of the W^\pm Boson Mass
- Abe 95D Phys. Rev. Lett. 75:608, 1995; FERMILAB-PUB-95-038-E;
Properties of High-Mass Multijet Events at the Fermilab Proton-Antiproton Collider
- Abe 95E Phys. Rev. Lett. 75:1451, 1995; FERMILAB-PUB-95-048-E;
Measurement of the B Meson Differential Cross-Section, $d\sigma/dp_T$, in $p\bar{p}$ Collisions at $\sqrt{s} = 1800$ GeV
- Abe 95F Phys. Rev. Lett. 74:346, 1995; SLAC-PUB-6508;
Precision Measurement of the Proton Spin Structure Function g_1^p

Abe 95G

Abe 95ZQ

- Abe 95G Phys. Rev. D52:2624, 1995; FERMILAB-PUB-95-025-E; CDF-PUB-ELECTROWEAK-PUBLIC-2812;
A Measurement of the Ratio $\sigma \cdot B(p \bar{p} \rightarrow W^\pm \rightarrow e^\pm \nu) / \sigma \cdot B(p \bar{p} \rightarrow Z^0 \rightarrow e^+ e^-)$ in $p \bar{p}$ Collisions at $\sqrt{s} = 1800$ GeV
- Abe 95H Phys. Rev. D52:4784, 1995; FERMILAB-PUB-95-033-E;
Measurement of the W^\pm Boson Mass
- Abe 95I Phys. Rev. D52:R2605, 1995; FERMILAB-PUB-95-083-E;
Identification of Top Quarks at CDF Using Kinematic Variables
- Abe 95J Phys. Rev. Lett. 75:3997, 1995; FERMILAB-PUB-95-149-E; CDF-PUB-TOP-CDFR-3110;
Study of $t \bar{t}$ Production in $p \bar{p}$ Collisions Using Total Transverse Energy
- Abe 95K Phys. Rev. Lett. 74:2626, 1995; FERMILAB-PUB-95-022-E;
Observation of Top Quark Production in $p \bar{p}$ Collisions
- Abe 95L Phys. Rev. Lett. 75:1017, 1995; FERMILAB-PUB-95-036-E; CDF-ANAL-ELECTROWEAK-CDFR-2951;
Limits on $W^\pm W^\pm Z^0$ and $W^\pm W^\pm \gamma$ Couplings from $W^\pm W^\pm$ and $W^\pm Z^0$ Production in $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 95M FERMILAB-CONF-95-229-E; CDF-PUB-BOTTOM-PUBLIC-3266;
Search for the Decay $B^0 \rightarrow \mu^+ \mu^-$
- Abe 95N FERMILAB-CONF-95-222-E; CDF-PUB-BOTTOM-PUBLIC-3241;
Measurement of the B^+ and B^0 Meson Lifetimes Using Exclusive $B \rightarrow \psi K$ Decays at CDF
- Abe 95O FERMILAB-CONF-95-224-E;
Observation of $B^+ \rightarrow J/\psi(1S) \pi^+$
- Abe 95P FERMILAB-CONF-95-228-E; CDF-BOTTOM-PUB-3236;
Measurement of the Mass of the B_s Meson in $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 95Q Phys. Rev. D51:1051, 1996; FERMILAB-PUB-95-289-E; HEPEX-9508017;
Measurement of Correlated $\mu^- \bar{b}$ -Jet Cross Sections in $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 95R FERMILAB-CONF-95-233-E; CDF-DOC-BOTTOM-PUBLIC-3261;
Measurement of the Polarization in the Decays $B^0 \rightarrow J/\psi(1S) K^*(892)^0$ and $B_s \rightarrow J/\psi(1S) \phi$
- Abe 95S Phys. Rev. Lett. 75:25, 1995; SLAC-PUB-95-6734;
Precision Measurement of the Deuteron Spin Structure Function $g_1(\text{deuteron})$
- Abe 95T FERMILAB-CONF-95-226-E;
Production of $J/\psi(1S)$ from χ_c Decays at CDF
- Abe 95U FERMILAB-CONF-95-223-E; CDF-PUB-BOTTOM-PUBLIC-3244;
 B Anti- B Production Correlations, $B \bar{B}$ Mixing, and $\epsilon(B)$ at CDF
- Abe 95V Phys. Rev. Lett. 75:4173, 1995; SLAC-PUB-95-6969; HEPEX-9510005;
First Measurement of the T-odd Correlation between the Z^0 Spin and the Three-Jet Plane Orientation in Polarized Z^0 Decays to Three Jets
- Abe 95W Phys. Rev. Lett. 75:4358, 1995; FERMILAB-PUB-95-271-E; CDF-PUB-BOTTOM-PUBLIC-3215;
 Υ Production in $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 95X FERMILAB-CONF-95-202-E;
A Limit on $\sigma \cdot Br(B_c^\pm \rightarrow J/\psi(1S) \pi^\pm) / \sigma \cdot Br(B^\pm \rightarrow J/\psi(1S) K^\pm)$ in $\sqrt{s} = 1.8$ TeV Proton-Antiproton Collisions
- Abe 95Y FERMILAB-CONF-95-231-E; CDF-PUB-BOTTOM-PUBLIC-3255;
Measurement of $B^0 \bar{B}^0$ Mixing via Time Evolution
- Abe 95Z Phys. Rev. D52:4240, 1995; SLAC-PUB-95-6739;
Comparison of a New Calculation of Energy-Energy Correlations with $e^+ e^- \rightarrow$ Hadrons Data at the Z^0 Resonance
- Abe 95ZB Phys. Rev. Lett. 75:3068, 1995; FERMILAB-PUB-95-270-E; CDF-PUB-BOTTOM-PUBLIC-3231;
Measurement of the Polarization in the Decays $B^0 \rightarrow J/\psi(1S) K^*(892)^0$ and $B_s \rightarrow J/\psi(1S) \phi$
- Abe 95ZC Phys. Rev. D53:3496, 1996; FERMILAB-PUB-95-317-E;
Measurement of the Mass of the B_s Meson
- Abe 95ZD SLAC-PUB-95-6979;
Measurement of the Polarized Forward-Backward Asymmetry of $Z^0 \rightarrow B \bar{B}$ Using a Lifetime Tag and Momentum Weighted Track Charge
- Abe 95ZE Phys. Rev. Lett. 76:3070, 1996; FERMILAB-PUB-95-301-E; CDF-PUB-ELECTROWEAK-PUBLIC-3312;
Measurement of $\sigma_B(W \rightarrow e\nu)$ and $\sigma_B(Z \rightarrow e^+e^-)$ in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 95ZF Phys. Rev. D52:4828, 1995; SLAC-PUB-95-6767;
Measurement of the τ^\pm Lifetime at SLD
- Abe 95ZG Phys. Rev. D53:1023, 1996; SLAC-PUB-95-6569;
Measurements of $R(B)$ with Impact Parameters and Displaced Vertices
- Abe 95ZH Phys. Rev. Lett. 75:613, 1995;
Search for Squarks and Gluinos via Radiative Decays of Neutralinos in Proton-Antiproton Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 95ZI Phys. Rev. Lett. 76:2015, 1996; FERMILAB-PUB-95-368-E;
Reconstruction of $B^0 \rightarrow J/\psi(1S)K_S$ and Measurement of Ratios of Branching Ratios Involving $B \rightarrow J/\psi(1S)K^*(892)$
- Abe 95ZJ Phys. Lett. 361B:199, 1995;
A Study of Single Photon Production in $e^+ e^-$ Collisions at $\sqrt{s} = 58$ GeV with the TOPAZ Detector at TRISTAN
- Abe 95ZK Phys. Rev. Lett. 76:2852, 1996; FERMILAB-PUB-95-386-E; CDF-3131;
Search for the Rare Decay $W^\pm \rightarrow \pi^\pm + \gamma$
- Abe 95ZL Phys. Rev. Lett. 76:587, 1996; SLAC-PUB-95-6982; HEPEX-9511013;
Measurements of the Proton and Deuteron Spin Structure Function g_2 and Asymmetry A_2
- Abe 95ZM Phys. Rev. Lett. 74:2880, 1995; SLAC-PUB-6605;
Polarized Bhabha Scattering a Precision Measurement of the Electron Neutral Current Couplings
- Abe 95ZN SLAC-PUB-95-6972;
Preliminary Measurements of B^0 and B^+ Lifetimes at SLD
- Abe 95ZO Phys. Lett. 364B:61, 1995; SLAC-PUB-95-6997; HEPEX-9511015;
Measurements of the Q^2 -Dependence of the Proton and Deuteron Spin Structure Functions g_p^1 and g_d^1
- Abe 95ZP Phys. Rev. Lett. 74:1512, 1995; SLAC-PUB-6643;
A Search for Jet Handedness in Hadronic Z^0 Decays
- Abe 95ZQ Phys. Rev. Lett. 75:3609, 1995; SLAC-PUB-95-6681;
Measurement of the Left-Right Forward-Backward Asymmetry for Charm Quarks with $D^*(2010)^+$ and D^+ Mesons

- Abe 96 Phys. Rev. D54:735, 1996; FERMILAB-PUB-96-004-E; HEPEX-9601003;
Search for Charged Higgs Decays of the Top Quark Using Hadronic Tau Decays
- Abe 96B Phys. Rev. Lett. 77:438, 1996; FERMILAB-PUB-96-020-E;
Inclusive Jet Cross-Section in $\bar{p} p$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 96C Phys. Rev. Lett. 76:4307, 1996; FERMILAB-PUB-96-029-E; CDF-PUB-EXOTIC-CDFR-3440;
Search for Chargino-Neutralino Production in $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 96D Phys. Rev. Lett. 76:4675, 1996; FERMILAB-PUB-96-040-E; CDF-PUB-BOTTOM-PUBLIC-3332;
Search for Flavor Changing Neutral Current B Meson Decays in $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Abe 96E Phys. Rev. Lett. 76:4462, 1996; FERMILAB-PUB-96-041-E; CDF-PUB-BOTTOM-PUB-3492;
Measurement of the B^- and \bar{B}^0 Meson Lifetimes Using Semileptonic Decays
- Abe 96F Phys. Rev. Lett. 77:448, 1996; FERMILAB-PUB-96-056-E;
Properties of Jets in Z^0 Boson Events from 1.8 TeV $\bar{p} p$ Collisions
- Abegg 91 Nucl. Phys. A539:573, 1992; TRI-PP-91-81;
Measurement of the Polarization Transfer Coefficient K_L s in the $p \uparrow p \rightarrow$ deuteron $\uparrow \pi^+$ Reaction
- Abegg 92 TRI-PP-92-112;
Search for Charge Symmetry Violation in $n p$ Elastic Scattering
- Abegg 92B TRI-PP-92-123;
Measurement of Charge Symmetry Breaking in $n p$ Elastic Scattering at 350 MeV
- Abegg 94 Phys. Rev. D50:92, 1994; TRI-PP-94-10;
Measurement of the Branching Ratio for the Decay $\eta \rightarrow \mu^+ \mu^-$
- Abegg 94B TRI-PP-94-96;
Measurement of Charge Symmetry Breaking in $n p$ Elastic Scattering at 350 MeV
- Abegg 95 Phys. Rev. Lett. 75:1711, 1995; TRI-PP-95-43;
Precision Measurement of Charge Symmetry Breaking in $n p$ Elastic Scattering at 347 MeV
- Abegg 95B TRI-PP-95-52;
Precision Measurement of Charge Symmetry Breaking in $n p$ Elastic Scattering at 347 MeV
- Abele 93 Phys. Lett. 316B:26, 1993;
On the Origin of the 17 keV Neutrino Signals, and a Loss-Free Measurement of the ^{35}S β -Spectrum
- Ableev 91 Yad. Phys. 53:457, 1991;
Angular Dependence of the Differential Cross Sections of the (^3He , ^3H) Charge Exchange with $\Delta(1232 P_{33})$ -Isobar Excitation at 6.91 GeV/c on Protons and Carbon Nuclei
- Ableev 91B Kr. Soob. JINR 43:5, 1991;
Measurement of the Tensor Analyzing Power for ^{12}C (deuteron, p) Reaction at P of Deuteron 0.1 GeV/c and Zero Angle Proton Emission
- Ableev 91C Z. Phys. A340:191, 1991;
Diffraction Scattering of Alpha-Particles on Nuclei at 17.9 GeV/c
- Ableev 91D Phys. Lett. 264B:264, 1991;
Nonquasifree Production of Δ Isobar in the $^3\text{He } ^{12}\text{C} \rightarrow ^3\text{H X}$ Reaction at 4.4 - 18.3 GeV/c
- Ableev 92 Kr. Soob. JINR 52:5, 1992;
Calibration Measurements of the $^{12}\text{C}(\text{deuteron}, p)$ and $p(\text{deuteron}, p)$ Cross Sections at Small Proton Momenta in the Deuteron Rest Frame
- Ableev 92B Kr. Soob. JINR 52:10, 1992;
Measurements of the $^{12}\text{C}(\text{deuteron}, p)$ and $p(\text{deuteron}, p)$ Forward Cross Sections over a Wide Range of Proton Momenta
- Ableev 93 Kr. Soob. JINR 59:75, 1993;
Measurement of Pontecorvo Reaction \bar{p} deuteron $\rightarrow \pi^- p$ for the Antiproton Annihilation at Rest
- Ableev 93B Nucl. Phys. A562:617, 1993;
A New Measurement of the Pontecorvo Reaction \bar{p} deuteron $\rightarrow \pi^- p$ with the OBELIX Spectrometer at LEAR
- Ableev 94 Yad. Phys. 57:1684, 1994;
Recent Results on the Analysis of $\bar{p} p \rightarrow \pi^+ \pi^- \pi^0$
- Ableev 94B Yad. Phys. 57:1689, 1994;
Two-Body Final State from $\bar{\text{nucleon}} \text{ nucleon}$ Annihilations in Gaseous Hydrogen and S/P Wave Problem
- Ableev 94C Phys. Lett. 329B:407, 1994;
Measurement of the $\bar{p} p \rightarrow \pi^+ \pi^-$ and $\bar{p} p \rightarrow K^+ K^-$ Annihilation Frequencies in a 5 mb Hydrogen Gas Target
- Ableev 94D Phys. Lett. 334B:237, 1994;
 ϕ and ω Meson Production in $\bar{n} p$ Annihilation and the OZI Rule
- Ableev 94E Nuovo Cim. 107A:2837, 1994;
A Study of Pontecorvo Reactions in Antiproton Deuterium Annihilations at Rest
- Ableev 94F Yad. Phys. 57:1816, 1994;
Recent Results from OBELIX in Atomic Physics
- Ableev 94G Yad. Phys. 57:1787, 1994;
Measurement of the ϕ - and ω -Meson Production in Antiproton Annihilation at Rest on Deuterium
- Ableev 94H Nuovo Cim. 107A:943, 1994;
Annihilation Cross-Sections of Antineutrons on C, Al, Cu, Sn and Pb at Low Momenta (180 - 280 MeV/c) with the OBELIX Spectrometer
- Ableev 94I Nuovo Cim. 107A:1325, 1994;
Changes in the Annihilation's Delay Time Distribution of Stopped Antiprotons in Helium Gas due to Contaminants.-I.
- Ableev 95 Nucl. Phys. A585:577, 1995;
Measurements of the $\bar{p} D$ Annihilation at Rest
- Ableev 95C Nucl. Phys. A594:375, 1995;
 $\phi\pi^0$ and $\phi\eta$ Production in Antiproton Annihilation at Rest in a Hydrogen Gas Target at NTP
- Abraamyan 91 Yad. Phys. 53:472, 1991;
Inclusive π^0 Production in C C Interactions at 4.5 GeV/c/Nucleon
- Abraamyan 92 Phys. Lett. 323B:1, 1994; JINR-E1-92-307;
Inclusive Neutral Pion Production at Forward Angles at 4.5 GeV/c per Nucleon in $\alpha + \text{C} \rightarrow \pi^0 \text{X}$ and $\alpha + \text{Cu} \rightarrow \pi^0 \text{X}$ Reactions
- Abraamyan 94B Yad. Phys. 59:271, 1996; JINR-P1-94-289;
Inclusive π^0 Production in $p \text{C}$ and $p \text{Cu}$ Interactions at 4.5 GeV/c

- Abraamyan 94C Kr. Soob. JINR 68:29, 1994;
Investigation of Neutral Particle Production by Relativistic Nuclei on the LHE 90-Channel γ Spectrometer. Results and Perspectives
- Abramov 91 Yad. Phys. 53:179, 1991; ITEP-90-68;
Search for Exotic Boson Resonances in the Baryon Exchange Reaction $\pi^+ p \rightarrow p \pi^+ \pi^+ \pi^-$ at 4 GeV/c
- Abramov 91B FERMLAB-PUB-91-62-E; IFVE-91-9;
Properties of $J/\psi(1S)$ Production in π^- Be and p Be Collisions at 530 GeV
- Abramov 91C Yad. Phys. 54:550, 1991; ITEP-91-43;
Pion-Proton Elastic Scattering at Large Angles from 0.9 to 2.0 GeV/c
- Abramov 91D Yad. Phys. 54:1591, 1991; ITEP-91-64;
Investigation of $\pi^+ n \rightarrow \Lambda K^+$ (backward) at 1.97 GeV/c
- Abramov 91E Yad. Phys. 54:1013, 1991;
Comparison of Elastic and Inelastic Channels in the π^- deuteron \rightarrow deuteron X Reaction for Large Momentum Transfers to the Deuteron
- Abramov 91F ITEP-91-65;
Spectrometer of Two-Particles Effective Mass for Search of Reactions with Large Transverse Momenta
- Abramov 92 ITEP-92-88;
Two-Protons Mass-Spectra in Reaction $p n \rightarrow 2p \pi^-$ (Backward) at 1.98 GeV/c
- Abramov 94 Yad. Phys. 57:850, 1994;
Search for Dibaryons in Two-Protons Mass-Spectra from $p n \rightarrow 2p \pi^-$ (Backward) at 1.98 GeV/c
- Abramowicz 93 DESY-93-158;
Results from the ZEUS Experiment at HERA
- Abreu 900 Z. Phys. C51:25, 1991; CERN-PPE-90-193;
Search for Low Mass Higgs Bosons Produced in Z^0 Decays
- Abreu 90R Z. Phys. C50:185, 1991; CERN-PPE-90-173;
Charged Particle Multiplicity Distributions in Z^0 Hadronic Decays
- Abreu 90S Phys. Lett. 255B:466, 1991; CERN-PPE-90-174;
Experimental Study of the Triple-Gluon Vertex
- Abreu 91 Phys. Lett. 260B:240, 1991; CERN-PPE-91-43;
A Study of the Reaction $e^+ e^- \rightarrow \mu^+ \mu^-$ around the Z^0 Pole
- Abreu 91B Nucl. Phys. B367:511, 1991; CERN-PPE-91-095;
Determination of Z^0 Resonance Parameters and Couplings from its Hadronic and Leptonic Decays
- Abreu 91C Z. Phys. C52:271, 1991; CERN-PPE-91-78;
Charged Particle Multiplicity Distributions in Restricted Rapidity Intervals in Z^0 Hadronic Decays
- Abreu 91D Z. Phys. C53:567, 1992; CERN-PPE-91-131;
Measurement of the Average Lifetime of B Hadrons
- Abreu 91E Nucl. Phys. A525:469c, 1991;
Transverse Momentum of Dimuons Produced in p -U, O-U and S-U Collisions at 200 GeV/Nucleon
- Abreu 91F Phys. Lett. 274B:498, 1992; CERN-PPE-91-79;
Study of Orientation of 3-Jet Events in Z^0 Hadronic Decays Using the DELPHI Detector
- Abreu 91G Z. Phys. C53:41, 1992; CERN-PPE-91-100;
Search for Excited Charged Leptons in Z^0 Decays
- Abreu 91H Phys. Lett. 268B:296, 1991; CERN-PPE-91-109;
The Reaction $e^+ e^- \rightarrow \gamma \gamma (\gamma)$ at Z^0 Energies
- Abreu 91I Phys. Lett. 267B:422, 1991; CERN-PPE-91-115;
A Measurement of the Lifetime of the Tau Lepton
- Abreu 91J Nucl. Phys. B373:3, 1992; CERN-PPE-91-132;
A Search for Neutral Higgs Particles in Z^0 Decays
- Abreu 91K Phys. Lett. 275B:222, 1992; CERN-PPE-91-138;
Search for Scalar Leptoquarks from Z^0 Decays
- Abreu 91L Z. Phys. C54:55, 1992; CERN-PPE-91-181; CERN-PPE-91-181-REV;
Determination of α_s in Second Order QCD in Hadronic Z^0 Decays
- Abreu 91M Z. Phys. C53:555, 1992; CERN-PPE-91-174;
Study of Final State Photons in Hadronic Z^0 Decay and Limits on New Phenomena
- Abreu 91N Phys. Lett. 274B:230, 1991; CERN-PPE-91-175;
Searches for Heavy Neutrinos from Z^0 Decays
- Abreu 91O Phys. Lett. 275B:231, 1991; CERN-PPE-91-207;
Production of Strange Particles in the Hadronic Decays of the Z^0
- Abreu 91P Phys. Lett. 277B:371, 1992; CERN-PPE-91-211;
A Measurement of $\sin^2\theta_W$ from the Charge Asymmetry of Hadronic Events at the Z^0 Peak
- Abreu 91Q Phys. Lett. 276B:536, 1992; CERN-PPE-91-213;
A Measurement of the $b \bar{b}$ Forward Backward Asymmetry Using the Semileptonic Decay into Muons
- Abreu 91R Phys. Lett. 276B:254, 1992; CERN-PPE-91-194;
Multiplicity Dependence of Mean Transverse Momentum in $e^+ e^-$ Annihilations at LEP Energies
- Abreu 92 Phys. Lett. 281B:383, 1992; CERN-PPE-92-007;
Measurement of Z^0 Branching Fraction to b Quark Pairs Using the Boosted Sphericity Product
- Abreu 92B Z. Phys. C55:555, 1992; CERN-PPE-92-60;
A Study of the Decays of Tau Leptons Produced on the Z^0 Resonance at LEP
- Abreu 92C Z. Phys. C56:63, 1992; CERN-PPE-92-64;
Charged Particle Multiplicity Distributions for Fixed Number of Jets in Z^0 Hadronic Decays
- Abreu 92D Z. Phys. C56:47, 1992; CERN-PPE-92-79;
Measurement of the Partial Width of the Z^0 into $b \bar{b}$ Final States using Their Semileptonic Decays
- Abreu 92E Nucl. Phys. B386:471, 1992; CERN-PPE-92-120;
Multiplicity Fluctuations in Hadronic Final States from the Decay of the Z^0
- Abreu 92F Phys. Lett. 289B:199, 1992; CERN-PPE-92-104;
Evidence for B_s Meson Production in Z^0 Decays
- Abreu 92G Phys. Lett. 286B:201, 1992; CERN-PPE-92-75;
Bose-Einstein Correlations in the Hadronic Decays of the Z^0
- Abreu 92H Phys. Lett. 295B:383, 1992; CERN-PPE-92-151;
Classification of the Hadronic Decays of the Z^0 into b and c Quark Pairs Using a Neural Network

- Abreu 92I Z. Phys. C57:181, 1993; CERN-PPE-92-174;
A Measurement of B Meson Production and Lifetime Using $D \ell^-$ Events in Z^0 Decays
- Abreu 92J Phys. Lett. 298B:236, 1993; CERN-PPE-92-183;
Measurement of Inclusive Production of Light Meson Resonances in Hadronic Decays of the Z^0
- Abreu 92K Phys. Lett. 298B:247, 1993; CERN-PPE-92-190;
A Search for Lepton Flavour Violation in Z^0 Decays
- Abreu 92L Phys. Lett. 301B:145, 1993; CERN-PPE-92-203;
A Study of $B^0 \bar{B}^0$ Mixing Using Semileptonic Decays of B Hadrons Produced from Z^0
- Abreu 92M Z. Phys. C55:365, 1992;
Meson Production in $p + U$, $O + U$ and $S + U$ Interactions at 200 GeV/nucleon
- Abreu 93 Phys. Lett. 302B:356, 1993; CERN-PPE-93-012;
A Measurement of the Tau Lifetime
- Abreu 93B Z. Phys. C59:357, 1993; CERN-PPE-93-29;
Measurement of the Triple-Gluon Vertex from 4-Jet Events at LEP
- Abreu 93C Phys. Lett. 311B:379, 1993; CERN-PPE-93-32;
Measurement of Λ_b Production and Lifetime in Z^0 Hadronic Decays
- Abreu 93D Z. Phys. C59:21, 1993; CERN-PPE-93-43;
Determination of α_s Using the Next-to-Leading-Log Approximation of QCD
- Abreu 93E Phys. Lett. 307B:221, 1993; CERN-PPE-93-59;
Determination of α_s for b Quarks at the Z^0 Resonance
- Abreu 93F Phys. Lett. 311B:408, 1993; CERN-PPE-93-69;
Determination of α_s from the Scaling Violation in the Fragmentation Functions in $e^+ e^-$ Annihilation
- Abreu 93G Z. Phys. C59:533, 1993; Z. Phys. C65:709, 1995; CERN-PPE-93-70;
A Measurement of D Meson Production in Z^0 Hadronic Decays
- Abreu 93H Nucl. Phys. B403:3, 1993; CERN-PPE-93-77;
Search for Z^0 Decays to Two Leptons and a Charged Particle-Antiparticle Pair
- Abreu 93I Phys. Lett. 312B:253, 1993; CERN-PPE-93-80;
A Measurement of the Mean Lifetimes of Charged and Neutral B -Hadrons
- Abreu 93J Phys. Lett. 316B:620, 1993; CERN-PPE-93-161;
Limits on the Production of Scalar Leptoquarks from Z^0 Decays at LEP
- Abreu 93K Phys. Lett. 318B:249, 1993; CERN-PPE-93-171;
Production of Λ and $\Lambda \bar{\Lambda}$ Correlations in the Hadronic Decays of the Z^0
- Abreu 93L Phys. Lett. 322B:459, 1994; CERN-PPE-93-220;
Measurement of the $B^0 \bar{B}^0$ Mixing Using the Average Electric Charge of Hadron Jets in Z^0 Decays
- Abreu 94 Z. Phys. C61:407, 1994; CERN-PPE-93-176;
Production Rate and Decay Lifetime Measurements of B_s Mesons at LEP Using D_s^\pm and ϕ Mesons
- Abreu 94B Z. Phys. C63:17, 1994; CERN-PPE-94-02;
Invariant Mass Dependence of Particle Correlations in Hadronic Final States from the Decay of the Z^0
- Abreu 94C Phys. Lett. 323B:242, 1994; CERN-PPE-94-03;
Interference of Neutral Kaons in the Hadronic Decays of the Z^0
- Abreu 94D Z. Phys. C62:357, 1994; CERN-PPE-94-04;
Study of Hard Scattering Processes in Multihadron Production from $\gamma \gamma$ Collisions at LEP
- Abreu 94E Nucl. Phys. B417:3, 1994; CERN-PPE-94-08;
Measurements of the Line Shape of the Z^0 and Determination of Electroweak Parameters from Its Hadronic and Leptonic Decays
- Abreu 94F Z. Phys. C63:3, 1994; CERN-PPE-94-024;
A Precision Measurement of the Average Lifetime of B Hadrons
- Abreu 94G Nucl. Phys. B418:403, 1994; CERN-PPE-94-031;
Improved Measurement of Cross Sections and Asymmetries at the Z^0 Resonance
- Abreu 94H Phys. Lett. 327B:386, 1994; CERN-PPE-94-036;
Measurement of the $e^+ e^- \rightarrow \gamma \gamma$ (γ 's) Cross-Section at LEP Energies
- Abreu 94I Phys. Lett. 324B:500, 1994; CERN-PPE-94-022;
A Measurement of the B_s Meson Mass
- Abreu 94J Phys. Lett. 332B:488, 1994; CERN-PPE-94-067;
Measurement of the $B^0 \bar{B}^0$ Mixing Parameter in DELPHI
- Abreu 94K Phys. Lett. 338B:409, 1994; CERN-PPE-94-132;
Measurement of Time Dependent $B^0 \bar{B}^0$ Mixing
- Abreu 94L Z. Phys. C64:183, 1994; CERN-PPE-94-83;
Search for Pair-Produced Heavy Scalars in Z^0 Decays
- Abreu 94M Phys. Lett. 341B:109, 1994; CERN-PPE-94-099;
 $J/\psi(1S)$ Production in the Hadronic Decays of the Z^0
- Abreu 94N Z. Phys. C65:603, 1995; CERN-PPE-94-121;
A Study of Radiative Muon Pair Events at Z^0 Energies and Limits on an Additional Z' Gauge Boson
- Abreu 94O Phys. Lett. 334B:435, 1994; CERN-PPE-94-088;
Charged Kaon Production in τ^\pm Decays at LEP
- Abreu 94P Nucl. Phys. B421:3, 1994; CERN-PPE-94-46-REV;
Search for the Standard Model Higgs Boson in Z^0 Decays
- Abreu 94Q Z. Phys. C65:587, 1995; CERN-PPE-94-130;
Production Characteristics of K^0 and Light Meson Resonances in Hadronic Decays of the Z^0
- Abreu 94R Z. Phys. C65:555, 1995; CERN-PPE-94-131;
Measurement of the $\Gamma(B \bar{B})/\Gamma(\text{hadron})$ Branching Ratio of the Z^0 by Double Hemisphere Tagging
- Abreu 94S Z. Phys. C65:569, 1995; CERN-PPE-94-161;
Measurement of the Forward-Backward Asymmetry of $e^+ e^- \rightarrow Z^0 \rightarrow b \bar{b}$ Using Prompt Leptons and a Lifetime Tag
- Abreu 95 Phys. Lett. 342B:402, 1995; CERN-PPE-94-163;
First Evidence of Hard Scattering Processes in Single Tagged $\gamma \gamma$ Collisions
- Abreu 95B Z. Phys. C66:323, 1995; CERN-PPE-95-08;
Measurement of $\Gamma(B \bar{B})/\Gamma(\text{hadrons})$ Using Impact Parameter Measurements and Lepton Identification
- Abreu 95C Z. Phys. C67:543, 1995; CERN-PPE-95-039;
Strange Baryon Production in Z^0 Hadronic Decays

Abreu 95D

Acciarri 95F

- Abreu 95D Nucl. Phys. B444:3, 1995; CERN-PPE-95-028;
Inclusive Measurements of the K^\pm and p/\bar{p} Production in Hadronic Z^0 decays
- Abreu 95E Phys. Lett. 357B:255, 1995; CERN-PPE-95-91;
Search for Exclusive Charmless B Meson Decays with the DELPHI Detector at LEP
- Abreu 95F Phys. Lett. 357B:715, 1995; CERN-PPE-95-114;
A Measurement of the τ^\pm Leptonic Branching Fractions
- Abreu 95G Z. Phys. C69:223, 1995; CERN-PPE-95-087;
A Measurement of the Photon Structure Function F_2^γ at an Average Q^2 of 12 GeV²/c⁴
- Abreu 95H Z. Phys. C68:353, 1995; CERN-PPE-95-53;
 B^* Production in Z^0 Decays
- Abreu 95I Phys. Lett. 355B:415, 1995; CERN-PPE-95-77;
Observation of Short Range Three Particle Correlations in $e^+ e^-$ Annihilations at LEP Energies
- Abreu 95J Phys. Lett. 361B:207, 1995; CERN-PPE-95-130;
Measurement of $\Delta(1232 P_{33})$ Production in Hadronic Z Decays
- Abreu 95K Phys. Lett. 359B:411, 1995; CERN-PPE-95-115;
Upper Limits on the Branching Ratios $\tau^\pm \rightarrow \mu^\pm \gamma$ and $\tau^\pm \rightarrow e^- \gamma$
- Abreu 95L Z. Phys. C68:13, 1995; CERN-PPE-95-060;
A Measurement of B^+ and B^0 Lifetimes Using $\bar{D} \ell^+$ Events
- Abreu 95M Z. Phys. C68:375, 1995; CERN-PPE-95-054;
Lifetime and Production Rate of Beauty Baryons from Z Decays
- Abreu 95N Z. Phys. C68:541, 1995; CERN-PPE-95-029;
Production of Strange B Baryons Decaying into $\Xi \ell$ Pairs at LEP
- Abreu 95O Z. Phys. C69:575, 1996; CERN-PPE-95-145;
Search for Promptly Produced Heavy Quarkonium States in Hadronic Z^0 Decays
- Abreu 95P Phys. Lett. 365B:448, 1996; CERN-PPE-95-154;
A Precise Measurement of the Tau Lepton Lifetime
- Abreu 95Q Phys. Lett. 347B:447, 1995; CERN-PPE-95-01;
Production of Charged Particles, K_S , K^\pm , p and Λ in $Z^0 \rightarrow B\bar{B}$ Events and in the Decay of B Hadrons
- Abreu 95R Phys. Lett. 345B:598, 1995; CERN-PPE-94-210;
Observation of Orbitally Excited B Mesons
- Abreu 95S Z. Phys. C66:341, 1995; CERN-PPE-94-193;
Measurement of the Forward-Backward Asymmetry of Charm and Bottom Quarks at the Z^0 Pole Using $D^*(2010)^\pm$ Mesons
- Abreu 95T Z. Phys. C67:183, 1995; CERN-PPE-95-030;
Measurements of the τ^\pm Polarization in Z^0 Decays
- Abreu 95U Z. Phys. C69:1, 1995; CERN-PPE-95-101;
Study of Prompt Photon Production in Hadronic Z^0 Decays
- Abreu 96 CERN-PPE-96-03;
Search for New Phenomena Using Single Photon Events in the DELPHI Detector at LEP
- Abreu 96B Z. Phys. C70:179, 1996; CERN-PPE-95-164;
Energy Dependence of the Differences Between the Quark and Gluon Jet Fragmentation
- Abreu 96C Z. Phys. C71:539, 1996; CERN-PPE-96-11;
Determination of V_{cb} from the Semileptonic Decay $B^0 \rightarrow D^*(2010)^- \ell^+ \nu_\ell$
- Abt 93B Phys. Lett. 321B:161, 1994; DESY-93-146;
Scaling Violations of the Proton Structure Function F_2 at Small x
- Abt 93C Nucl. Phys. B396:3, 1993; DESY-93-029;
A Search for Leptoquarks, Leptogluons and Excited Leptons in H1 at HERA
- Abt 93D Phys. Lett. 314B:436, 1993; DESY-93-100;
Measurement of Inclusive Jet Cross Sections in Photoproduction at HERA
- Abt 94 Z. Phys. C61:59, 1994; DESY-93-137;
A Measurement of Multi-Jet Rates in Deep-Inelastic Scattering at HERA
- Abt 94B Z. Phys. C63:377, 1994; DESY-94-033;
Energy Flow and Charged Particle Spectrum in Deep Inelastic Scattering at HERA
- Abt 94C Phys. Lett. 328B:176, 1994; DESY-94-030;
Inclusive Charged Particle Cross-Sections in Photoproduction at HERA
- Acciarri 94 Z. Phys. C62:551, 1994; CERN-PPE-94-045;
Measurement of Cross-Sections and Leptonic Forward-Backward Asymmetries at the Z^0 Pole and Determination of Electroweak Parameters
- Acciarri 94B Phys. Lett. 328B:223, 1994; CERN-PPE-94-053;
Measurement of Inclusive Production of Neutral Hadrons from Z^0 Decays
- Acciarri 94C Phys. Lett. 332B:201, 1994; CERN-PPE-94-068;
Measurement of the Inclusive $b \rightarrow \tau^\pm \nu_\tau$ X Branching Ratio
- Acciarri 94D Phys. Lett. 335B:542, 1994; CERN-PPE-94-089;
Measurement of the $B^0-\bar{B}^0$ Mixing Parameter and the $Z^0 \rightarrow b\bar{b}$ Forward-Backward Asymmetry
- Acciarri 94E Phys. Lett. 346B:190, 1995; CERN-PPE-94-216;
Measurement of Energetic Single Photon Production at LEP
- Acciarri 94F Phys. Lett. 341B:245, 1994; CERN-PPE-94-145;
A Measurement of τ^\pm Polarization at LEP
- Acciarri 95 Phys. Lett. 345B:93, 1995; CERN-PPE-94-178;
Measurement of Exclusive Branching Fractions of Hadronic One Prong Tau Decays
- Acciarri 95B Phys. Lett. 345B:609, 1995; CERN-PPE-94-186;
Search for Anomalous $Z^0 \rightarrow \gamma \gamma \gamma$ Events at LEP
- Acciarri 95C Phys. Lett. 351B:375, 1995; CERN-PPE-95-05;
Measurement of Weak Charged Current Structure in Semileptonic b Hadron Decays at the Z^0 Peak
- Acciarri 95D Phys. Lett. 345B:589, 1995; CERN-PPE-94-143;
 B^* Production in Z^0 Decays at LEP
- Acciarri 95E Phys. Lett. 345B:74, 1995; CERN-PPE-94-164;
Energy and Particle Flow in Three Jet and Radiative Two Jet Events from Hadronic Z^0 Decays
- Acciarri 95F Phys. Lett. 350B:109, 1995; CERN-PPE-95-014;
Search for Neutralinos in Z^0 Decays

- Acciarri 95G Phys. Lett. 353B:136, 1995; CERN-PPE-95-041;
Tests of QED at LEP Energies Using $e^+ e^- \rightarrow \gamma \gamma (\gamma)$ and $e^+ e^- \rightarrow \ell^+ \ell^- 2\gamma$
- Acciarri 95H Phys. Lett. 363B:137, 1995; CERN-PPE-95-136;
Search for the Decays $B^0 \rightarrow \gamma \gamma$ and $B_s \rightarrow \gamma \gamma \gamma$.
- Acciarri 95I Phys. Lett. 352B:487, 1995; CERN-PPE-95-042;
One Prong τ^\pm Decays with Neutral Kaons
- Acciarri 95J Phys. Lett. 353B:145, 1995; CERN-PPE-95-049;
Evidence for Gluon Interference in Hadronic Z^0 Decays
- Acciarri 95K Phys. Lett. 370B:195, 1996; CERN-PPE-95-191;
Measurement of Hadron and Lepton-Pair Production at $130 \text{ GeV} < \sqrt{s} < 140 \text{ GeV}$ at LEP
- Acciarri 95L Phys. Lett. 370B:211, 1996; CERN-PPE-95-190;
Search for Excited Leptons in $e^+ e^-$ Annihilation at $\sqrt{s} = 130 \text{ GeV} - 140 \text{ GeV}$
- Acciarri 95M Phys. Lett. 371B:126, 1996; CERN-PPE-95-182;
Measurement of η Production in Two and Three Jet Events from Hadronic Z^0 Decays at LEP
- Acciarri 95N Phys. Lett. 371B:137, 1996; CERN-PPE-95-192;
Study of the Structure of Hadronic Events and Determination of α_S at $\sqrt{s} = 130 \text{ GeV}$ and 136 GeV
- Acciarri 95O Phys. Lett. 363B:118, 1995; CERN-PPE-95-118;
Study of the $K_S K_S$ Final State in Two-Photon Collisions
- Acciarri 95P Phys. Lett. 363B:127, 1995; CERN-PPE-95-124;
Search for Neutral Charmless B Decays at LEP
- Achasov 91 Usp. Fiz. Nauk 161:53, 1991;
Sums of the Search for Four-Quark States in $\gamma \gamma$ Collisions
- Achasov 93 Mod. Phys. Lett. A8:2343, 1993;
Towards the Determination of the $\pi^- p \rightarrow f_2(1270) n$ Reaction Cross-Section
- Achasov 94 Phys. Lett. 333B:259, 1994;
Did the VES(IHEP) Group Observe the Reaction $\pi^- \text{ nucleon} \rightarrow \pi^- \eta \text{ nucleon}$ and $\pi^- \text{ nucleon} \rightarrow \pi^- \eta' \text{ nucleon}$?
- Achkar 95 Nucl. Phys. B434:503, 1995;
Search for Neutrino Oscillations at 15, 40 and 95 Meters from a Nuclear Power Plant at Bugey
- Aclander 93 Phys. Lett. 300B:19, 1993;
Proton Polarization from π^+ Absorption in ^4He
- Acosta 93 Phys. Rev. D49:5690, 1994; CLNS-93-1238; CLEO-93-14;
First Measurement of $\Gamma(D_s^+ \rightarrow \mu^+ \nu)/\Gamma(D_s^+ \rightarrow \phi \pi^+)$
- Acton 91 Phys. Lett. 267B:143, 1991; CERN-PPE-91-110;
A Study of Bose-Einstein Correlations in $e^+ e^-$ Annihilations at LEP
- Acton 91B Phys. Lett. 268B:122, 1991; CERN-PPE-91-116;
Decay Mode Independent Search for a Light Higgs Boson and New Scalars
- Acton 91C Phys. Lett. 273B:338, 1991; CERN-PPE-91-155;
A Measurement of Photon Radiation in Lepton Pair Events from Z^0 Decays
- Acton 91D Phys. Lett. 273B:355, 1991; CERN-PPE-91-164;
Measurement of the Tau Lepton Lifetime
- Acton 91E Z. Phys. C53:539, 1992; CERN-PPE-91-176;
A Study of Charged Particle Multiplicities in Hadronic Decays of the Z^0
- Acton 91F Phys. Lett. 274B:513, 1992; CERN-PPE-91-201;
Measurement of the Average B Hadron Lifetime in Z^0 Decays
- Acton 91H Phys. Lett. 276B:547, 1992; CERN-PPE-91-214;
An Improved Measurement of $\alpha_S(M_Z)$ Using Energy Correlation with the OPAL Detector at LEP
- Acton 91I Z. Phys. C54:193, 1992; CERN-PPE-91-189;
Properties of Multihadronic Events with a Final State Photon at $\sqrt{s} = M_{Z^0}$
- Acton 91J Phys. Lett. 278B:485, 1992; CERN-PPE-91-230;
Search for Free Gluons in Hadronic Z^0 Decays
- Acton 92 Phys. Lett. 281B:405, 1992; CERN-PPE-92-014;
Test of CP -Invariance in $e^+ e^- \rightarrow Z^0 \rightarrow \tau^+ \tau^-$ and a Limit on the Weak Dipole Moment of the τ^\pm Lepton
- Acton 92B Phys. Lett. 276B:379, 1992; CERN-PPE-91-212;
Measurement of $B^0 \bar{B}^0$ Mixing in Hadronic Z^0 Decays
- Acton 92C Z. Phys. C56:521, 1992; CERN-PPE-92-116;
Inclusive Neutral Vector Meson Production in Hadronic Z^0 Decays
- Acton 92D Phys. Lett. 291B:503, 1992; CERN-PPE-92-118;
A Measurement of Strange Baryon Production in Hadronic Z^0 Decays
- Acton 92E Phys. Lett. 287B:389, 1992; CERN-PPE-92-57;
A Test of Higher Order Electroweak Theory in Z^0 Decays to Two Leptons with an Associated Pair of Charged Particles
- Acton 92F Phys. Lett. 288B:373, 1992; CERN-PPE-92-66;
Measurement of the τ^\pm Topological Branching Ratios at LEP
- Acton 92G Phys. Lett. 287B:401, 1992; CERN-PPE-92-89;
A Study of Two Particle Momentum Correlations in Hadronic Z^0 Decays
- Acton 92H Z. Phys. C55:1, 1992; CERN-PPE-92-18;
A Global Determination of $\alpha_S(M_{Z^0})$ at LEP
- Acton 92I Phys. Lett. 281B:394, 1992; CERN-PPE-92-34;
Evidence for b -Flavored Baryon Production in Z^0 Decays at LEP
- Acton 92J Z. Phys. C55:191, 1992; CERN-PPE-92-38;
A Measurement of Electron Production in Hadronic Z^0 Decays and a Determination of $\Gamma(Z^0 \rightarrow b \bar{b})$
- Acton 92K Phys. Lett. 294B:436, 1992; CERN-PPE-92-119;
A Measurement of the Forward-Backward Charge Asymmetry in Hadronic Decays of the Z^0
- Acton 92L Phys. Lett. 295B:347, 1992; CERN-PPE-92-139;
A Search for Doubly-Charged Higgs Production in Z^0 Decays
- Acton 92M Phys. Lett. 295B:357, 1992; CERN-PPE-92-144;
Evidence for the Existence of the Strange b -Flavored Meson B_s in Z^0 Decays
- Acton 92N Phys. Lett. 298B:456, 1993; CERN-PPE-92-192;
A Study of $K_S K_S$ Bose-Einstein Correlations in Hadronic Z^0 Decays

Acton 92O

Adamovich 91E

- Acton 92O Phys. Lett. 305B:407, 1993; CERN-PPE-92-213;
A Measurement of $K^*(892)^\pm$ Production in Hadronic Z^0 Decays
- Acton 92P Phys. Lett. 302B:523, 1993; CERN-PPE-92-217;
A Study of the Electric Charge Distributions of Quark and Gluon Jets in Hadronic Z^0 Decays
- Acton 92Q Z. Phys. C58:405, 1993; CERN-PPE-92-215;
Studies of Strong and Electroweak Interactions Using Final State Photon Emission in Hadronic Z^0 Decays
- Acton 92R Z. Phys. C58:207, 1993; CERN-PPE-92-216;
QCD Coherence Studies Using Two Particle Azimuthal Correlations
- Acton 92T Phys. Lett. 305B:415, 1993; CERN-PPE-93-26;
Evidence for Chain-Like Production of Strange Baryon Pairs in Jets
- Acton 93 Z. Phys. C58:387, 1993; CERN-PPE-93-02;
A Studies of Differences between Quark and Gluon Jets Using Vertex Tagging of Quark Jets
- Acton 93B Z. Phys. C59:183, 1993; CERN-PPE-93-09;
Measurement of the τ^\pm Lifetime
- Acton 93C Z. Phys. C58:219, 1993; CERN-PPE-93-003;
Precision Measurements of the Neutral Current from Hadron and Lepton Production at LEP
- Acton 93D Phys. Lett. 307B:247, 1993; CERN-PPE-93-033;
Measurement of the B^0 and B^+ Lifetime
- Acton 93E Z. Phys. C59:1, 1993; CERN-PPE-93-38;
A Determination of $\alpha_s(M_Z)$ at LEP Using Resummed QCD Calculations
- Acton 93F Z. Phys. C58:523, 1993; CERN-PPE-93-46;
Measurement of $\Gamma(Z^0 \rightarrow b \bar{b})/\Gamma(Z^0 \rightarrow \text{hadrons})$ Using Leptons
- Acton 93G Phys. Lett. 311B:391, 1993; CERN-PPE-93-67;
Search for Anomalous Production of High Mass Photon Pairs in $e^+ e^-$ Collisions at LEP
- Acton 93H Z. Phys. C60:19, 1993; CERN-PPE-93-78;
The Forward-Backward Asymmetry of $e^+ e^- \rightarrow b \bar{b}$ and $e^+ e^- \rightarrow c \bar{c}$ Using Leptons in Hadronic Z^0 Decays
- Acton 93I Z. Phys. C60:579, 1993; CERN-PPE-93-79;
A Measurement of $\Gamma(Z^0 \rightarrow b \bar{b})/\Gamma(Z^0 \rightarrow \text{hadrons})$ Using an Impact Parameter Technique
- Acton 93J Phys. Lett. 313B:333, 1993; CERN-PPE-93-91;
Search for Massive, Unstable Photinos that Violate R Parity
- Acton 93K Z. Phys. C60:217, 1993; CERN-PPE-93-92;
Measurement of the Average b Hadron Lifetime in Z^0 Decays
- Acton 93L Phys. Lett. 312B:501, 1993; CERN-PPE-93-95;
Measurement of the B_s Lifetime
- Adachi 91 Phys. Lett. 249B:336, 1991; KEK-90-84; DPNU-90-32; INS-838; KOBE-HEP-90-05; NWU-HEP-90-03; OCU-HEP-90-03;
PU-90-648; TIT-HPE-90-04; TU-HEP-09-03; TUAT-HEP-90-03; UT-HEP-90-06;
A Search for Inclusive Production of Heavy Stable Particles by the TOPAZ Detector at TRISTAN
- Adachi 91B Phys. Lett. 255B:613, 1991; KEK-90-185; DPNU-91-08; INS-865; KOBE-HEP-91-01; NWU-HEP-91-01; PU-91-653; OCU-HEP-91-1; TU-HEP-91-01; TIT-HPE-91-01; TUAT-HEP-91-01A; UT-HE-91-03;
Charge Asymmetry of Hadronic Events in $e^+ e^-$ Annihilation at $\sqrt{s} = 57.0$ GeV
- Adachi 94 Nucl. Phys. A577:433c, 1994;
Test of Parity Violation and Time Reversal Invariance in Slow Neutron Absorption Reaction
- Adam 93 Phys. Lett. 321B:283, 1994; CERN-PPE-93-207; L3-068;
A Study of Four Fermion Processes at LEP
- Adam 95 Z. Phys. C69:561, 1996; CERN-PPE-95-144;
Measurement of Inclusive π^0 Production in Hadronic Z^0 Decays
- Adam 95B Z. Phys. C68:363, 1995; CERN-PPE-95-059;
Lifetimes of Charged and Neutral B Hadrons Using Event Topology
- Adam 96 Z. Phys. C70:371, 1996; CERN-PPE-96-12;
Production of Σ^0 and Ω^- in Z^0 Decays
- Adamo 92 Phys. Lett. 284B:448, 1992;
A Measurement of the $K^+ K^-/\pi^+ \pi^-$ Ratio from \bar{p} Annihilation in Deuterium and Hydrogen Gas
- Adamo 92B Yad. Phys. 55:3099, 1992;
First Physics Results from OBELIX
- Adamo 92C Phys. Lett. 287B:368, 1992;
Meson Spectroscopy with Antineutrinos
- Adamo 94 Nucl. Phys. A569:761, 1994;
An Experimental Study of Antiproton ^4He Annihilation at Rest
- Adamov 93 Izv. Akad. Nauk SSSR, Fiz. 57-4:15, 1993;
Threshold Violation of Scaling at Energies near 10^{16} eV and Its Possible Implications for Astrophysics
- Adamov 93B Izv. Akad. Nauk SSSR, Fiz. 57-4:69, 1993;
Energy Spectrum of Primary Cosmic Rays at Energies of 10^{13} - 10^{18} eV Measured with Tien-Shan Array
- Adamov 94 Izv. Akad. Nauk SSSR, Fiz. 58-12:54, 1994;
The Joint Analysis of Electromagnetic, Muon and Hadron EAS Components in the Light of the Primary Cosmic Rays Mass Composition
- Adamovich 90B Z. Phys. C49:395, 1991; HZPP-90-8;
Energy, Target, Projectile and Multiplicity Dependences of Intermittency Behavior in High-Energy O (Si,S) Induced Interactions
- Adamovich 90C Phys. Lett. 263B:539, 1991; LUIP-9011;
On the Systematic Behavior of the Intermittency Indices in Nuclear Interactions
- Adamovich 91 Mod. Phys. Lett. A6:469, 1991; Mod. Phys. Lett. A6:1629, 1991; LUIP-9010;
Stochastic Emission of Particles in Ultra-relativistic Heavy-Ion Collisions
- Adamovich 91B Phys. Rev. Lett. 67:1201, 1991; LUIP-9102;
Multiplicities in ^{16}O Induced Heavy Ion Collisions from 5 A to $2 \cdot 10^5$ A MeV
- Adamovich 91C Phys. Lett. 262B:369, 1991; LUIP-9103;
Slow, Target Associated Particles Produced in Ultrarelativistic Heavy-Ion Interaction
- Adamovich 91D Phys. Lett. 280B:163, 1992; CERN-PPE-92-15;
Measurement of Relative Branching Fractions of D^0 Cabibbo-Suppressed Decays
- Adamovich 91E Phys. Lett. 268B:142, 1991; CERN-PPE-91-99;
A Study of the Semileptonic Decay $D^+ \rightarrow \bar{K}^*(892)^0 e^+ \nu_e$

- Adamovich 92 Phys. Lett. 284B:453, 1992; CERN-PPE-92-56;
Nuclear Dependence of Charm Production by a 340 GeV π^- Beam
- Adamovich 92B Nucl. Phys. B388:3, 1992; LUIP-9202;
Intermittency in Heavy Ion Reactions and the Importance of γ -Conversion in a Multi-Dimensional Intermittency Analysis
- Adamovich 92C Z. Phys. C56:509, 1992; LUIP-9203;
Local Particle Densities and Global Multiplicities in Central Heavy Ion Interactions at 3.7, 14.6, 60 and 200 A GeV
- Adamovich 92D Phys. Rev. Lett. 69:745, 1992; LUIP-9204;
Rapidity Density Distributions in ^{16}O , ^{28}Si , ^{32}S , ^{197}Au and ^{208}Pb Induced Heavy Ion Interactions at 4 A - 200 A GeV
- Adamovich 92E JINR-E1-92-569;
Silicon Induced Interactions with Emulsion at 3.7 and 14.6 A GeV
- Adamovich 92F Z. Phys. C55:235, 1992;
A Systematic Study of the Energy Independent Behavior of the Fragmentation Regions in ^{16}O Em Interactions from 3.7 to 200 A GeV
- Adamovich 93 Mod. Phys. Lett. A8:21, 1993;
Study of Angular Distribution of Helium Projectile Fragments in Interactions of 200 A GeV ^{32}S Ions with Emulsion Nuclei
- Adamovich 93B Phys. Lett. 305B:177, 1993; CERN-PPE-93-27;
Measurement of Relative Branching Fractions for $D^+ \rightarrow K^- K^+ K^+$ and $D_s^+ \rightarrow \pi^- \pi^+ \pi^+$ Decays
- Adamovich 93C Phys. Rev. C48:2772, 1993;
Scaling of the Multiplicity in Hadron-Nucleus Interactions
- Adamovich 93D Phys. Lett. 305B:402, 1993; CERN-PPE-93-10;
Study of D^+ and D^- Feynman's x Distributions in π^- Nucleus Interactions at the SPS
- Adamovich 93E Jour. of Phys. G 19:2035, 1993; LUIP-9301;
On the Jet-Like and Ring-Like Substructure in Distributions of Produced Particles in Central Heavy-Ion Collisions at Ultra-Relativistic Energies
- Adamovich 93F Phys. Rev. D47:3726, 1993; UWSEA-PUB-92-07;
Systematic Investigation of Scaled Factorial Cumulant Moments for Nucleus-Nucleus Interactions
- Adamovich 94 Nucl. Phys. A566:419c, 1994;
Rapidity Density Distributions in Au+Au and Au+Ag Interactions at 11.6 A GeV/c
- Adamovich 94B Phys. Lett. 322B:166, 1994;
Rapidity Density Distribution and Their Fluctuation in Violent Au-Induced Nuclear Interactions at 11.6 A GeV/c
- Adamovich 94C Phys. Lett. 338B:397, 1994;
Helium Production in 10.7 A GeV Au Induced Nucleus-Nucleus Collisions
- Adamovich 94D Nuovo Cim. 107A:1953, 1994;
Results on Charmed Meson Decay from the WA82 Experiment at the CERN Omega Spectrometer
- Adamovich 95 Phys. Lett. 348B:256, 1995; CERN-PPE-94-214;
Study of Charm Correlations in π^- nucleon Interactions at $\sqrt{s} = 26$ GeV
- Adamovich 95B Phys. Lett. 353B:563, 1995; CERN-PPE-95-71;
Search for the Decay $D^0 \rightarrow \mu^+ \mu^-$
- Adamovich 95C Phys. Lett. 358B:151, 1995; CERN-PPE-95-105;
Measurement of Ω_c Lifetime
- Adamovich 95D Phys. Lett. 352B:472, 1995;
Charged Particle Density Distributions in Au Induced Interactions with Emulsion Nuclei at 10.7 A GeV
- Adamovich 95E Nucl. Phys. A590:597c, 1995;
Particle Production in Gold and Lead Induced Interactions at AGS and SPS
- Adamovich 95F Z. Phys. C65:421, 1995;
On the Production of Slow Particles in High Energy Heavy Ion Collisions
- Adamovich 95G Z. Phys. A351:311, 1995;
 ^{28}Si (^{32}S) Fragmentation at 3.7 A, 14.6 A and 200 A GeV
- Adamovich 95H Nucl. Phys. A593:535, 1995;
Charged Particle Multiplicity and Pseudorapidity Density Distributions in ^{16}O , ^{28}Si and ^{197}Au -Induced Nuclear Interactions at 14.6 and 11.6 GeV/c
- Adamovich 95I Phys. Lett. 363B:230, 1995;
Rescattering Probed by the Emission of Slow Target Associated Particles in High-Energy Heavy-Ion Interactions
- Adams 91 Z. Phys. C56:181, 1992; FERMILAB-PUB-91-13-E; IFVE-91-49;
Large- x_F Spin Asymmetry in π^0 Production by 200 GeV Polarized Protons
- Adams 91B Phys. Lett. 276B:531, 1992; FERMILAB-PUB-91-14-E; IFVE-91-50;
High- x_T Single-Spin Asymmetry in π^0 and η Production at $x_F = 0$ by 200 GeV Polarized Antiprotons and Protons
- Adams 91C Phys. Lett. 261B:201, 1991; FERMILAB-PUB-91-15-E; IFVE-91-51;
Comparison of Spin Asymmetries and Cross Sections in π^0 Production by 200 GeV Polarized Antiprotons and Protons
- Adams 91D Phys. Lett. 261B:197, 1991; FERMILAB-PUB-91-16-E; IFVE-91-52;
First Results for the Two-Spin Parameter A_{II} in π^0 Production by 200 GeV Polarized Protons and Antiprotons
- Adams 91E Phys. Lett. 272B:163, 1991; FERMILAB-PUB-91-217;
Distributions of Charged Hadrons Observed in Deep-Inelastic Muon-Deuterium Scattering at 490 GeV
- Adams 91F Phys. Lett. 264B:462, 1991; IFVE-92-40;
Analyzing Power in Inclusive π^+ and π^- Production at High x_F with a 200 GeV Polarized Proton Beam
- Adams 92 BNL-46965;
Recent Results from E-810
- Adams 92B Phys. Rev. Lett. 68:3266, 1992; FERMILAB-PUB-92-51-E;
Saturation of Shadowing at Very Low x_B
- Adams 92C Phys. Rev. Lett. 69:1026, 1992; FERMILAB-PUB-92-52-E;
First Measurements of Jet Production Rates in Deep-Inelastic Lepton-Proton Scattering
- Adams 92D Phys. Lett. 287B:375, 1992;
Shadowing in the Muon-Xenon Inelastic Scattering Cross Section at 490 GeV
- Adams 92F Nucl. Phys. A544:335c, 1992;
Recent Results from E-810

- Adams 93 Phys. Lett. 309B:477, 1993; FERMILAB-PUB-93-065-E;
Measurement of the Ratio σ_n/σ_p in Inelastic Muon-Nucleon Scattering at Very Low x and Q^2
- Adams 93B Phys. Rev. D48:5057, 1993; FERMILAB-PUB-93-169-E;
Perturbative QCD Effects Observed in 490 GeV Deep Inelastic Muon Scattering
- Adams 93C Phys. Rev. Lett. 72:466, 1994; FERMILAB-PUB-93-171-E;
 Q^2 Dependence of the Average Squared Transverse Energy of Jets in Deep-Inelastic Muon-Nucleon Scattering with Comparison to QCD
- Adams 93D Z. Phys. C61:179, 1994; FERMILAB-PUB-93-246;
Production of Charged Hadrons by Positive Muons on Deuterium and Xenon at 490 GeV
- Adams 93E Phys. Rev. Lett. 70:2511, 1993; FERMILAB-PUB-93-025-A; UM-TH-93-04;
Extension of the Parker Bound on the Flux of Magnetic Monopoles
- Adams 93F Phys. Lett. 308B:418, 1994; MPI-PHE-93-10; FERMILAB-PUB-93-170-E;
An Investigation on Bose-Einstein Correlations in Muon-Nucleon Interactions at 490 GeV
- Adams 94 Phys. Rev. Lett. 72:2337, 1994; FERMILAB-PUB-94-025-E;
Observation of Jet Production by Real Photons
- Adams 94B Phys. Lett. 336B:269, 1994;
Measurement of the Double-Spin Asymmetry A_{LL} for Inclusive Multi- γ Pair Production with 200 GeV/c Polarized Proton Beam and Polarized Proton Target
- Adams 94C Phys. Rev. D53:4747, 1996; IFVE-94-88;
Single-Spin Asymmetries and Invariant Cross Sections of the High-Transverse-Momentum Inclusive π^0 Production in 200 GeV/c $p p$ and $\bar{p} p$ Interactions
- Adams 94D Z. Phys. C61:539, 1994; FERMILAB-PUB-93-392-E;
Production of Neutral Strange Particles in Muon-Nucleon Scattering at 490 GeV
- Adams 94E Phys. Lett. 335B:535, 1994; MPI-PHE-94-12; FERMILAB-PUB-94-217-E;
Density and Correlation Integrals in Deep-Inelastic Muon-Nucleon Scattering at 490 GeV
- Adams 94F Z. Phys. C65:225, 1995; FERMILAB-PUB-94-218-E;
Nuclear Shadowing, Diffractive Scattering and Low Momentum Protons in μ^- Xe Interactions at 490 GeV
- Adams 94G Phys. Lett. 329B:399, 1994; Phys. Lett. 339B:332, 1994; DAPNIA-94-04; CERN-PPE-94-57;
Measurement of the Spin Dependent Structure Function $g_1(x)$ of the Proton
- Adams 94H Phys. Rev. D50:1836, 1994; FERMILAB-PUB-93-245-E;
Scaled Energy (z) Distributions of Charged Hadrons Observed in Deep-Inelastic Muon Scattering at 490 GeV from Xenon and Deuterium Targets
- Adams 94I Phys. Lett. 336B:125, 1994; CERN-PPE-94-116;
Spin Asymmetry in Muon-Proton Deep Inelastic Scattering on a Transversely-Polarized Target
- Adams 95 Phys. Rev. Lett. 75:1466, 1995; FERMILAB-PUB-95-017-E;
Extraction of the Ratio $F_2(n)/F_2(p)$ from Muon-Deuteron and Muon-Proton Scattering at Small x and Q^2
- Adams 95B Phys. Rev. C51:17, 1995;
Measurement of $\gamma\uparrow$ deuteron $\rightarrow p n \pi^0$ at Large Nucleon Momenta
- Adams 95C Z. Phys. C67:403, 1995;
Shadowing in Inelastic Scattering of Muons on Carbon, Calcium and Lead at Low X_B
- Adams 95D Phys. Rev. Lett. 74:5198, 1995;
Nuclear Decay Following Deep Inelastic Scattering of 470 GeV Muons
- Adams 95E Phys. Lett. 357B:248, 1995; CERN-PPE-95-097;
A New Measurement of the Spin-Dependent Structure Function $g_1(x)$ of the Deuteron
- Adams 95F Z. Phys. C71:391, 1996; FERMILAB-PUB-95-395-E;
Determination of the Gluon Distribution Function of the Nucleon Using Energy-Energy Angular Pattern in Deep-Inelastic Muon-Deuteron Scattering
- Adams 95G Phys. Rev. Lett. 74:1525, 1995; FERMILAB-PUB-94-233-E;
Measurement of Nuclear Transparencies from Exclusive ρ^0 Meson Production in Muon-Nucleus Scattering at 470 GeV
- Adams 95H Phys. Lett. 345B:569, 1995;
Measurement of Single Spin Asymmetry for Direct Photon Production in $p p$ Collisions at 200 GeV
- Adams 96 Phys. Rev. D54:3006, 1996; FERMILAB-PUB-95-396-E;
Proton and Deuteron Structure Functions in Muon Scattering at 470 GeV
- Adamyanyan 91 Vopr. At. Nauki i Techn. ser. Yad. 23:75, 1991;
Experimental Investigations of Compton Scattering on Protons by Polarized Photons
- Adarkar 91 Phys. Lett. 267B:138, 1991;
A Multi TeV Muon Bundle Observed in the KGF Underground Detector
- Aderholz 92 Phys. Rev. D45:2232, 1992;
Study of High-Energy Neutrino Neutral Current Interactions
- Adeva 90U Phys. Lett. 257B:469, 1991; L3-023;
Determination of α_s from Energy-Energy Correlations Measured on the Z^0 Resonance
- Adeva 90V Phys. Lett. 257B:450, 1991; L3-024;
Search for the Neutral Higgs Boson
- Adeva 91 Phys. Lett. 259B:199, 1991; L3-025;
Measurement of the Inclusive Production of Neutral Pions and Charged Particles on the Z^0 Resonance
- Adeva 91B Phys. Lett. 261B:169, 1991; L3-026;
Search for Leptoquarks in Z^0 Decays
- Adeva 91C Phys. Lett. 261B:177, 1991; L3-027;
Measurement of $Z^0 \rightarrow b \bar{b}$ Decays and the Semileptonic Branching Ratio $\text{Br}(b \rightarrow \ell X)$
- Adeva 91D Z. Phys. C51:179, 1991; L3-028;
Measurement of Electroweak Parameters from Hadronic and Leptonic Decays of the Z^0
- Adeva 91E Phys. Lett. 262B:155, 1991; L3-029;
Search for Narrow High-Mass Resonances in Radiative Decays of the Z^0
- Adeva 91F Phys. Lett. 271B:461, 1991; L3-033;
Measurement of the Strong Coupling Constant α_s for Bottom Quarks at the Z^0 Resonance
- Adeva 91G Phys. Lett. 271B:453, 1991; L3-034;
Search for Lepton Flavour Violation in Z^0 Decays
- Adeva 91H Phys. Lett. 263B:551, 1991; L3-030;
A Test of QCD Based on Three-Jet Events from Z^0 Decays
- Adeva 91I Phys. Lett. 265B:451, 1991; L3-031;
Decay Properties of τ^\pm Leptons Measured at the Z^0 Resonance

- Adeva 91J Phys. Lett. 270B:111, 1991; L3-032;
Measurement of the Lifetime of B -Hadrons and a Determination of $|V_{cb}|$
- Adeva 91K Phys. Lett. 275B:209, 1991; L3-035;
A Direct Determination of the Number of Light Neutrino Families from $e^+ e^- \rightarrow \nu \bar{\nu} \gamma$ at LEP
- Adeva 92 Phys. Lett. 288B:395, 1992; L3-041; CERN-PPE-92-84;
An Improved Measurement of $B^0 \bar{B}^0$ Mixing in Z^0 Decays
- Adeva 92B Phys. Lett. 283B:454, 1992; CERN-PPE-92-40; L3-037;
Search for the Neutral Higgs Boson at LEP
- Adeva 92D Z. Phys. C55:39, 1992; CERN-PPE-92-050; L3-038;
Studies of Hadronic Event Structure and Comparisons with QCD Models at the Z^0 Resonance
- Adeva 93 Phys. Lett. 302B:533, 1993; CERN-PPE-93-47;
Measurement of the Spin Dependent Structure Function $g_1(x)$ of the Deuteron
- Adeva 93B Phys. Lett. 320B:400, 1994; CERN-PPE-93-206;
Combined Analysis of World Data on Nucleon Spin Structure Functions
- Adeva 95 Phys. Lett. 369B:93, 1996; CERN-PPE-95-187;
Polarization of Valence and Non-Strange Sea Quarks in the Nucleon from Semi-Inclusive Spin Asymmetries
- Adler 91 Phys. Lett. 267B:154, 1991; CERN-PPE-91-98;
Determination of the Relative Branching Ratios for $p \bar{p} \rightarrow \pi^+ \pi^-$ and $p \bar{p} \rightarrow K^+ K^-$
- Adler 94 Z. Phys. C63:541, 1994; CERN-PPE-94-064;
Bose-Einstein Correlations in $\bar{p} p$ Annihilations at Rest
- Adler 94B Yad. Phys. 57:1842, 1994;
Recent Results of the CPLEAR Experiment
- Adler 95 Phys. Lett. 363B:237, 1995; CERN-PPE-95-103;
Measurement of $K_L - K_S$ Mass Difference Using Semileptonic Decays of Tagged Neutral Kaons
- Adler 95B Phys. Rev. Lett. 76:1421, 1996; HEPEX-9510006; BNL-62327; PRINCETON-HEP-95-8; TRI-PP-95-83;
Search for Decay $K^+ \rightarrow \pi^+ \nu \bar{\nu}$
- Adler 95C Z. Phys. C70:211, 1996; CERN-PPE-95-134;
First Observation of a Particle-Antiparticle Asymmetry in the Decay of Neutral Kaons into $\pi^0 \pi^0$
- Adler 95D Phys. Lett. 363B:243, 1995; CERN-PPE-95-107;
Measurement of the CP Violation Parameter η_{+-} Using Tagged K^0 and \bar{K}^0
- Adler 95E Phys. Lett. 364B:239, 1995; CERN-PPE-95-149;
Test of CPT Symmetry and Quantum Mechanics with Experimental Data from CPLEAR
- Adler 95F Z. Phys. C65:199, 1995; CERN-PPE-94-85;
Inclusive Measurement of \bar{p} Annihilation at Rest in Gaseous Hydrogen to Final States Containing ρ^0 and $f_2(1270)$
- Adler 96 Phys. Lett. 370B:167, 1996; CERN-PPE-95-189;
Search for CP Violation in the Decay of Neutral Kaons to $\pi^+ \pi^- \pi^0$
- Adler 96B Phys. Lett. 374B:313, 1996; CERN-PPE-96-08;
Observation of the CP Conserving $K_S \rightarrow \pi^+ \pi^- \pi^0$ Decay Amplitude
- Adriani 92 Phys. Lett. 284B:471, 1992; CERN-PPE-92-58; L3-039;
Determination of α_S from Hadronic Event Shapes Measured on the Z^0 Resonance
- Adriani 92B Phys. Lett. 288B:404, 1992; CERN-PPE-92-87; L3-042;
A Test of Quantum Electrodynamics in the Reaction $e^+ e^- \rightarrow 2\gamma$ (γ 's)
- Adriani 92C Phys. Lett. 286B:403, 1992; CERN-PPE-92-83; L3-040;
Measurement of Inclusive η Production in Hadronic Decays of the Z^0
- Adriani 92D Phys. Lett. 288B:412, 1992; CERN-PPE-92-99; L3-043;
Inclusive $J/\psi(1S)$ Production in Z^0 Decays
- Adriani 92E Phys. Lett. 292B:454, 1992; CERN-PPE-92-121; L3-044;
Measurement of the $e^+ e^- \rightarrow b \bar{b}$ and $e^+ e^- \rightarrow c \bar{c}$ Forward-Backward Asymmetries at the Z^0 Resonance
- Adriani 92F Phys. Lett. 292B:463, 1992; CERN-PPE-92-128; L3-045;
Determination of the Number of Light Neutrino Species
- Adriani 92G Phys. Lett. 292B:472, 1992; CERN-PPE-92-131; L3-046;
Isolated Hard Photon Emission in Hadronic Z^0 Decays
- Adriani 92H Phys. Lett. 294B:466, 1992; CERN-PPE-92-132; L3-047;
A Measurement of τ^\pm Polarization in Z^0 Decays
- Adriani 92I Phys. Lett. 294B:457, 1992; CERN-PPE-92-140; L3-048;
Searches for Non-Minimal Higgs Bosons in Z^0 Decays
- Adriani 92J Z. Phys. C57:355, 1993; CERN-PPE-92-163; L3-050;
Search for Non-Minimal Higgs Bosons in Z^0 Decays
- Adriani 92K Phys. Lett. 295B:337, 1992; CERN-PPE-92-152; L3-049;
High Mass Photon Pairs in $\ell^+ \ell^- \gamma \gamma$ Events at LEP
- Adriani 92L Phys. Lett. 295B:371, 1992; CERN-PPE-92-164; L3-051;
Search for Isosinglet Neutral Heavy Leptons in Z^0 Decays
- Adriani 92M Phys. Lett. 297B:469, 1993; CERN-PPE-92-185;
Search for Anomalous Production of Single-Photon Events in $e^+ e^-$ Annihilations at the Z^0 Resonance
- Adriani 92N Phys. Lett. 301B:136, 1993; CERN-PPE-92-209;
Determination of Quark Electroweak Coupling from Direct Photon Production in Hadronic Z^0 Decays
- Adriani 93 Phys. Lett. 303B:391, 1993; CERN-PPE-93-030;
A Search for the Neutral Higgs Boson at LEP
- Adriani 93B Phys. Rept. 236:1, 1993; CERN-PPE-93-031;
Results from the L3 Experiment at LEP
- Adriani 93C Phys. Lett. 313B:326, 1993; CERN-PPE-93-37;
Search for Narrow Vector Resonances in the Z^0 Mass Range
- Adriani 93D Phys. Lett. 306B:187, 1993; CERN-PPE-93-44;
Search for a Z' at the Z^0 Resonance
- Adriani 93E Phys. Lett. 307B:237, 1993; CERN-PPE-93-60;
Measurement of $\Gamma(b\bar{b})/\Gamma(\text{had})$ from Hadronic Decays of the Z^0
- Adriani 93F Phys. Lett. 309B:451, 1993; CERN-PPE-93-68;
Determination of the Effective Electroweak Mixing Angle from Z^0 Decays
- Adriani 93G Phys. Lett. 317B:637, 1993; CERN-PPE-93-126;
Inclusive Search for the Charmless Radiative Decay of the b -Quark ($b \rightarrow s \gamma$)

Adriani 93H

Aglietta 91

- Adriani 93H Phys. Lett. 317B:474, 1993; CERN-PPE-93-158; L3-065;
Measurement of the Average Lifetime of B Hadrons
- Adriani 93I Phys. Lett. 317B:467, 1993; CERN-PPE-93-166; L3-064;
 χ_c Production in Hadronic Z^0 Decays
- Adriani 93J Phys. Lett. 315B:494, 1993; CERN-PPE-93-150;
An S Matrix Analysis of the Z Resonance
- Adriani 93K Phys. Lett. 318B:575, 1993; CERN-PPE-93-173; L3-067;
Measurement of $\eta_c(1S)$ Production in Untagged Two-Photon Collisions at LEP
- Adriani 93L Phys. Lett. 316B:427, 1993; CERN-PPE-93-151; L3-063;
Search for Lepton Flavour Violation in Z^0 Decays
- Adyasevich 94 Yad. Phys. 57:268, 1994;
Two-Particle Correlations for Light Nuclear Fragments in Nucleus-Nucleus Collisions at 3.6 GeV/Nucleon
- Adyasevich 94B Yad. Phys. 57:2057, 1994;
Two-Particle Correlations with Participation of Pions and Light Nuclear Fragments in Nucleus-Nucleus Collisions at 3.6 GeV/Nucleon
- Afanasyev 90C Yad. Phys. 52:1046, 1990; Phys. Lett. 255B:146, 1991; JINR-P1-90-149;
Observation of the Coulomb Interaction Effect in Pion Pairs from the Reaction $p \text{ Ta} \rightarrow \pi^+ \pi^- X$ at Proton Energy 70 GeV
- Afanasyev 91 Kr. Soob. JINR 51:5, 1991;
An Experiment on the A -Dependence of the Cross Section for Relativistic Deuteron Fragmentation
- Afanasyev 93 Phys. Lett. 308B:200, 1993;
Observation of Atoms Consisting of π^+ and π^- Mesons
- Afanasyev 93B Kr. Soob. JINR 58:21, 1993;
Study of Charged Multiplicity in Cumulative Pion Production
- Afanasyev 93C Kr. Soob. JINR 60:40, 1993;
Experimental Study of Multiplicity Dependence of Cumulative Pion Production in Fragmentation of Relativistic Deuterons and Carbon Nuclei
- Afanasyev 94 Phys. Lett. 338B:478, 1994; JINR-E1-94-423;
Experimental Estimation of the Lifetime of Atoms Formed by π^+ and π^- Mesons
- Agababyan 90B Z. Phys. C49:235, 1991; NEN-90-329; CERN-PRE-90-049;
Triple Regge Analysis of Inclusive Λ Production in $K^+ p$ and $\pi^+ p$ Interactions at 250 GeV/c
- Agababyan 90C Z. Phys. C50:361, 1991; IHE-90-02; CERN-PRE-90-063;
Rapidity and Transverse Momentum Structure in π^+ and K^+ Collisions with Al and Au Nuclei at 250 GeV/c
- Agababyan 91 Phys. Lett. 261B:165, 1991; CERN-PRE-91-014; HEN-338-1991;
Low p_T Intermittency in $\pi^+ p$ and $K^+ p$ Collisions at 250 GeV/c
- Agababyan 91B Z. Phys. C52:231, 1991;
Deuteron Production in Collisions of 250 GeV/c π^+ and K^+ Mesons with Al and Au Nuclei
- Agababyan 92 Z. Phys. C56:371, 1992;
Study of Intranuclear Collision Effects in Interactions of K^+/π^+ Mesons with Al and Au Nuclei at 250 GeV/c
- Agababyan 93 Z. Phys. C59:195, 1993; HEN-341;
Influence of Multiplicity and Kinematical Cuts on Bose-Einstein Correlations in $\pi^+ p$ Interactions at 250 GeV/c
- Agababyan 93B Z. Phys. C60:229, 1993; HEN-360;
Pomeron-Pomeron Cross Section from Inclusive Production of a Central Cluster in Quasi-Elastic $\pi^+ p$ and $K^+ p$ Scattering at 250 GeV/c
- Agababyan 93C Z. Phys. C59:405, 1993; HEN-353;
Factorial Moments, Cumulants and Correlation Integrals in $\pi^+ p$ and $K^+ p$ Interactions at 250 GeV/c
- Agababyan 94 Phys. Lett. 320B:411, 1994; HEN-361;
Collective Sea-Gull Effect in $\pi^+ p$ Interactions at 250 GeV/c
- Agababyan 94B Phys. Lett. 328B:199, 1994; HEN-369;
Angular Dependence of Factorial Moments in $\pi^+/K^+ p$ Interactions at 250 GeV/c
- Agababyan 94C Phys. Lett. 332B:458, 1994; HEN-368;
Genuine Higher Order Correlations in $\pi^+ p$ and $K^+ p$ Collisions at 250 GeV/c
- Agababyan 94D Z. Phys. C64:381, 1994; HEN-363;
Transverse Momentum Compensation in $\pi^+ p$ Interactions at 250 GeV/c
- Agababyan 95 Z. Phys. C66:385, 1995; HEN-372;
Backward Proton Production in π^+ and K^+ Collisions with Al and Au Nuclei at 250 GeV/c
- Agababyan 95B Z. Phys. C66:409, 1995; HEN-371;
Angular Dependence of Bose-Einstein Correlations in Interactions of π^+ and K^+ Mesons with Protons and Nuclei at 250 GeV/c
- Agababyan 95C Z. Phys. C68:229, 1995; HEN-375;
Higher order Bose-Einstein Correlations in $\pi^+ p$ and $K^+ p$ Collisions at 250 GeV/c
- Agababyan 95D Phys. Lett. 353B:397, 1995; HEN-382;
Angular Dependence of Particle Correlations in $\pi^+/K^+ p$ Interactions at 250 GeV/c
- Agakichiev 95 Phys. Rev. Lett. 75:1272, 1995; CERN-PPE-95-26;
Enhanced Production of Low Mass Electron Pairs in 200 GeV/u S Au Collisions at the CERN SPS
- Agakishiev 91 Yad. Phys. 55:736, 1992; Sov. J. Nucl. Phys. 55:408, 1992; JINR-P1-91-394;
Dependence of Shape of Spectra and Cross Sections of π^- Mesons Yield at Fixed Angles on Atomic Weights of Colliding Nuclei in Nucleus-Nucleus Interactions at 4.2 GeV/c per Nucleon
- Agakishiev 92 Yad. Phys. 56-10:170, 1993; JINR-P1-92-553;
Dependence of Spectra and Cross Sections Yield of Proton at the Energy More than 0.4 GeV at Fixed Angles on Atomic Weights of Colliding Nuclei in Nucleus-Nucleus Interactions
- Aggarwal 91 Int. Jour. Mod. Phys. A6:865, 1991;
Hadron Production in the Restricted Rapidity Intervals in Proton Nucleus Interactions at High Energies
- Aggarwal 95 Nucl. Phys. A590:503c, 1995;
Results from the WA93 Photon Multiplicity Detector
- Aglietta 91 Eur. Lett. 15:559, 1991; LNF-91-028;
Experimental Study of Upward Stopping Muons in NUSEX

- Aglietta 94 Phys. Lett. 333B:555, 1994; LNGS-94-96;
The Limit to the UHE Extraterrestrial Neutrino Flux from the Observations of Horizontal Air Showers at EAS-TOP
- Aglietta 94B Phys. Lett. 337B:376, 1994; LNGS-94-100;
Study of the Primary Cosmic Ray Composition around the Knee of the Energy Spectrum
- Aglietta 95 Astropart. Phys. 3:311, 1995;
Neutrino-Induced and Atmospheric Single-Muon Fluxes Measured over Five Decades of Intensity by LVD at Gran Sasso Laboratory
- Agnello 91 Phys. Lett. 256B:349, 1991;
Measurement of the $\bar{p} p$ Annihilation Cross-Sections at Very Low Energies
- Agnello 94 Phys. Lett. 337B:226, 1994;
Measurement of the Frequency of the Annihilation Reaction $\bar{p} p \rightarrow \pi^0 \pi^0$ at Rest in a NTP Hydrogen Target
- Aguilarbenit 91 Z. Phys. C50:405, 1991; Yad. Phys. 54:967, 1991; CERN-PPE-91-21;
Inclusive Particle Production in 400 GeV/c $p p$ Interactions
- Aguilarbenit 91B Z. Phys. C54:21, 1992; CERN-PPE-91-102;
Bose-Einstein Correlations in $p p$ Collisions at 400 GeV/c
- Aharonov 95 Phys. Lett. 353B:168, 1995;
New Experimental Limits for the Electron Stability
- Aharonov 95B Phys. Rev. D52:3785, 1995;
New Laboratory Bounds on the Stability of the Electron
- Ahle 94 Phys. Lett. 332B:258, 1994; BNL-49567;
Global Transverse Energy Distributions in Si+Al,Au at 14.6 A GeV/c and Au+Au at 11.6 A GeV/c
- Ahlen 92 Phys. Rev. D46:R895, 1992; LNGS-92-25;
Study of the Ultrahigh-Energy Primary Cosmic Ray Composition with the MACRO Experiment
- Ahlen 92B Phys. Rev. D46:4836, 1992; LNGS-92-29;
Measurement of the Decoherence Function with the MACRO Detector at Gran Sasso
- Ahlen 92C Phys. Rev. Lett. 69:1860, 1992;
Search for Nuclearites Using the MACRO Detector
- Ahlen 94 Phys. Rev. Lett. 72:608, 1994; LNGS-93-84;
Search for Slowly Moving Magnetic Monopoles with the MACRO Detector
- Ahlen 95 Phys. Lett. 357B:481, 1995;
Atmospheric Neutrino Flux Measurement Using Upgoing Muons
- Ahmad 91 Mod. Phys. Lett. A6:1643, 1991;
Mean Free Paths of He Fragments Produced During the Interaction of Carbon and Silicon Nuclei at 4.5 A GeV/c
- Ahmad 91B Phys. Rev. C44:1555, 1991;
Features of Compound Multiplicity in Heavy-Ion Interactions at 4.5 A GeV/c
- Ahmad 91C Mod. Phys. Lett. A6:3313, 1991;
Fragmentation of Silicon Nuclei at 4.5 A GeV/c
- Ahmad 92 Nuovo Cim. 105A:91, 1992;
Some Interesting Features of Relativistic Particles Produced in Carbon and Silicon Emulsion Interactions
- Ahmad 92B Phys. Lett. 281B:29, 1992;
Transverse Momentum Distributions of π^- from 14.6 A GeV/c Silicon Ion Interactions in Copper and Gold
- Ahmad 93 Mod. Phys. Lett. A8:1103, 1993;
Multiparticle Production in Silicon Emulsion Interactions at 4.5 A GeV/c
- Ahmad 93B Nuovo Cim. 106A:23, 1993;
Central ^{12}C -Emulsion Collisions at 4.5 A GeV/c
- Ahmad 93C Nuovo Cim. 106A:171, 1993;
Inelastic Interactions Caused by 4.5 A GeV/c Carbon and Silicon Nuclei
- Ahmad 93D Nuovo Cim. 106A:1107, 1993;
Clusterization in ^{12}C -Em Collisions at Relativistic Energies
- Ahmad 93E Phys. Rev. C47:2974, 1993;
Total Disintegration of Ag and Br Nuclei by 4.5 A GeV/c Silicon Nuclei
- Ahmad 94 Nuovo Cim. 107A:683, 1994;
Peripheral Collisions Caused by 4.5 A GeV/c Carbon and Silicon Nuclei
- Ahmad 95 Int. Jour. Mod. Phys. A10:845, 1995;
Multiplicity Characteristics of Particles Produced in ^{12}C Emulsion Collisions at 4.5 A GeV/c
- Ahmad 95B Phys. Rev. Lett. 75:2658, 1995;
Search for Narrow Sum Energy Lines in Electron Positron Pair Emission From Heavy Ion Collisions Near the Coulomb Barrier
- Ahmed 92B Phys. Lett. 299B:385, 1993; DESY-92-164;
Observation of Deep Inelastic Scattering at Low x
- Ahmed 92C Phys. Lett. 298B:469, 1993; DESY-92-162;
Measurement of the Hadronic Final State in Deep Inelastic Scattering at HERA
- Ahmed 92D Phys. Lett. 299B:374, 1993; DESY-92-160;
Total Photoproduction Cross Section Measurement at HERA Energies
- Ahmed 92E Phys. Lett. 297B:205, 1993; DESY-92-142;
Hard Scattering in γp Interactions
- Ahmed 94 Z. Phys. C64:545, 1994; DESY-94-154;
A Search for Leptoquarks and Squarks at HERA
- Ahmed 94B Phys. Lett. 340B:205, 1994; DESY-94-138;
A Search for Heavy Leptons at HERA
- Ahmed 94C Nucl. Phys. B435:3, 1995; DESY-94-198;
Observation of Hard Processes in Rapidity Gap Events in γp Interactions at HERA
- Ahmed 94D Phys. Lett. 338B:507, 1994; DESY-94-153;
Photoproduction of $J/\psi(1S)$ Mesons at HERA
- Ahmed 94E Phys. Lett. 346B:415, 1995; DESY-94-220;
Determination of the Strong Coupling Constant from Jet Rates in Deep Inelastic scattering
- Ahmed 94F DESY-94-248;
Observation of an $e^+ p \rightarrow \mu^+ X$ Event with High Transverse Momenta at HERA

- Ahmed 94G Phys. Lett. 324B:241, 1994; DESY-94-012;
First Measurement of the Charged Current Cross Section at HERA
- Ahmed 94H Nucl. Phys. B429:477, 1994; DESY-94-133;
Deep Inelastic Scattering Events with a Large Rapidity Gap at HERA
- Ahmed 95 Z. Phys. C66:529, 1995; DESY-95-024;
Experimental Study of Hard Photon Radiation Processes at HERA
- Ahmed 95B Nucl. Phys. B439:471, 1995; DESY-95-006;
A Measurement of the Proton Structure Function $F_2(x, Q^2)$
- Ahmed 95C Nucl. Phys. B445:195, 1995; DESY-95-062;
Inclusive Parton Cross-Sections in Photoproduction and Photon Structure
- Ahmed 95D Phys. Lett. 348B:681, 1995; DESY-95-036;
First Measurement of the Deep Inelastic Structure of Proton Diffraction
- Ahmidouch 95 Phys. Lett. 364B:116, 1995;
Charge-Exchange $\bar{p} p \rightarrow \bar{n} n$ Differential Cross-Sections between 546 and 1287 MeV/c
- Ahmidouch 95B Nucl. Phys. B444:27, 1995;
First Measurement of the $\bar{p} p \rightarrow \bar{n} n$ Depolarization Parameter D_{0n0n} at 546 MeV/c and 875 MeV/c
- Aid 95 Nucl. Phys. B449:3, 1995; DESY-95-086;
A Direct Determination of the Gluon Density in the Proton at Low x
- Aid 95B Z. Phys. C67:565, 1995; DESY-95-102;
Measurement of the e^+ and e^- Induced Charged Current Cross-Sections at HERA
- Aid 95C Phys. Lett. 354B:494, 1995; DESY-95-081;
The Gluon Density of the Proton at Low x from a QCD Analysis of F_2
- Aid 95D Phys. Lett. 356B:118, 1995; DESY-95-108;
Transverse Energy and Forward Jet Production in the Low x Regime at HERA
- Aid 95E Nucl. Phys. B445:3, 1995; DESY-95-072;
A Study of the Fragmentation of Quarks in $e^- p$ Collisions at HERA
- Aid 95F Z. Phys. C69:27, 1995; DESY-95-162;
Measurement of the Total Photon Proton Cross Section and Its Decomposition at 200 GeV Center of Mass Energy
- Aid 95G Phys. Lett. 353B:578, 1995; DESY-95-079;
Leptoquarks and Compositeness Scales from a Contact Interaction Analysis of Deep Inelastic $e^\pm p$ Scattering at HERA
- Aid 95H Phys. Lett. 358B:412, 1995; DESY-95-156;
Comparison of Deep Inelastic Scattering with Photoproduction Interactions at HERA
- Aid 95I Z. Phys. C70:17, 1996; DESY-95-219;
Jets and Energy Flow in Photon-Proton Collisions at HERA
- Aid 95J Phys. Lett. 369B:173, 1996; DESY-95-233;
A Search for Leptoquarks at HERA
- Aid 96 Nucl. Phys. B463:3, 1996; DESY-95-251; HEPEX-9601004;
Elastic Photoproduction of ρ^0 Mesons at HERA
- Aid 96B Z. Phys. C70:609, 1996; DESY-96-014;
Energy Flow in the Hadronic Final State of Diffractive and Non-Diffractive Deep-Inelastic Scattering at HERA
- Aid 96C Nucl. Phys. B468:3, 1996; DESY-96-023; HEPEX-9602007;
Elastic Electroproduction of ρ and $J/\psi(1S)$ Mesons at Large Q^2 at HERA
- Aihara 91 Phys. Rev. D43:29, 1991;
Test of Spin Dependence in Charm-Quark Fragmentation to $D^*(2010)$
- Aihara 95 LBL-37244;
 $W^\pm \gamma$ and $Z^0 \gamma$ Production at Tevatron
- Aitala 95 Phys. Rev. Lett. 76:364, 1996; FERMILAB-PUB-95-142-E; KSU-HEP-95-01;
Search for the Flavor Changing Neutral Current Decays $D^+ \rightarrow \pi^+ \mu^+ \mu^-$ and $D^+ \rightarrow \pi^+ e^+ e^-$
- Aitala 96 Phys. Lett. 371B:157, 1996; FERMILAB-PUB-96-001-E; HEPEX-9601001;
Asymmetries between the Production of D^+ and D^- Mesons from 500 GeV/c π^- Nucleon Interactions as Function of x_F and p_T^2
- Aivazyan 91 Z. Phys. C51:167, 1991; CERN-PRE-90-085; HEN-330-90;
Rapidity Correlations in $\pi^+ p$, $K^+ p$ and $p p$ Interactions at 250 GeV/c
- Aivazyan 91B Phys. Lett. 258B:487, 1991; HEN-332-90; CERN-PRE-90-079;
Factorial Correlators from $\pi^+ p$ and $K^+ p$ Collisions at 250 GeV/c
- Ajimura 92 Phys. Rev. Lett. 68:2137, 1992;
Polarization of Λ Hyperons Produced by the Quasifree (π^+ , K^+) Reaction on ^{12}C
- Ajimura 92B Phys. Lett. 282B:293, 1992;
Polarization and Weak Decays of Λ Hypernuclei Produced by the (π^+ , K^+) Reaction on ^{12}C
- Ajimura 94 Nucl. Phys. A577:271c, 1994;
A Hypernuclei by Quasifree (π^+ , K^+) Reaction on ^{12}C
- Ajinenko 90C Z. Phys. C49:367, 1991; HEN-321-90;
Collective Characteristics of Hadron Systems Produced in Beam Fragmentation of $\pi^+ p$ Collisions at 250 GeV/c
- Ajinenko 92 Phys. Lett. 277B:524, 1992;
Inclusive ρ^0 , $K^*(892)$ and $\bar{K}^*(892)^0$ Production in Peripheral $K^+ \text{Al}$, $\pi^+ \text{Al}$ and $\pi^+ \text{Au}$ Collisions at 280 GeV/c
- Ajinenko 93 Z. Phys. C58:357, 1993; HEN-345;
Two Particle Azimuthal and Rapidity Correlations in Intervals of Transverse Momentum in $\pi^+ p$ Interactions at 250 GeV/c
- Ajinenko 94 Z. Phys. C61:567, 1994;
Invariant Mass Dependence of Particle Correlations in $\pi^+ p$ and $K^+ p$ Interactions at 250 GeV/c
- Akagi 92 Phys. Rev. D47:R2644, 1993; KEK-92-35;
Estimation of the Branching Ratio of the Decay $K_L \rightarrow e^+ e^- e^+ e^-$ from the $K_L \rightarrow e^+ e^- X$ Process
- Akagi 94 Phys. Rev. D51:2061, 1995; KEK-94-151;
Experimental Study of the Rare Decays $K_L \rightarrow \mu^- e^-$, $K_L \rightarrow e^- e^-$, $K_L \rightarrow \mu^- \mu^-$ and $K_L \rightarrow e^- e^- e^- e^-$

- Akchurin 93 Phys. Rev. D48:3026, 1993;
Analyzing Power Measurement of $p p$ Elastic Scattering in the Coulomb-Nuclear Interference Region with the 200 GeV/c Polarized-Proton Beam at Fermilab
- Akei 91 Nucl. Phys. A534:478, 1991; INS-854; OULNS-90-17;
The (π^+, K^+) Reaction on ^{12}C and ^{56}Fe
- Aker 91 Phys. Lett. 260B:249, 1991; CERN-PPE-91-28;
Observation of a 2^{++} Resonance at 1515 MeV in Proton Antiproton Annihilation into $3\pi^0$
- Akerib 91 Phys. Rev. Lett. 67:1692, 1991; CLNS-91-1089; CLEO-91-5;
Measurement of the Inclusive B^* Cross Section above the $\Upsilon(4S)$
- Akerib 92 Phys. Rev. Lett. 69:3610, 1992; Phys. Rev. Lett. 71:3395, 1993; CLNS-92-1163; CLEO-92-8;
Measurement of the Tau Lepton Electronic Branching Fraction
- Akerib 93 Phys. Rev. Lett. 71:3070, 1993; CLNS-93-1242; CLEO-93-16;
Measurement of the Absolute Branching Fraction for $D^0 \rightarrow K^- \pi^+$
- Akers 93 Z. Phys. C60:199, 1993; CERN-PPE-93-106;
Measurements of $B^0-\bar{B}^0$ Mixing, $\Gamma(Z^0 \rightarrow b \bar{b})/\Gamma(Z^0 \rightarrow \text{Hadrons})$ and Semileptonic Branching Ratios for B -Flavored Hadrons in Hadronic Z^0 Decays
- Akers 93B Phys. Lett. 316B:435, 1993; CERN-PPE-93-132;
A Measurement of the Forward-Backward Asymmetry of $e^+ e^- \rightarrow c \bar{c}$ and $e^+ e^- \rightarrow b \bar{b}$ at Centre of Mass Energies on and near the Z^0 Peak Using $D^*(2010)^\pm$ Mesons
- Akers 93C Z. Phys. C60:593, 1993; CERN-PPE-93-145;
A Study of Muon Pair Production and Evidence for Tau Pair Production in Photon-Photon Collisions at LEP
- Akers 93D Z. Phys. C61:19, 1994; CERN-PPE-93-146;
Improved Measurements of the Neutral Current from Hadron and Lepton Production at LEP
- Akers 93E Z. Phys. C60:601, 1993; CERN-PPE-93-149;
A Measurement of the Forward-Backward Asymmetry of $e^+ e^- \rightarrow c \bar{c}$ and $e^+ e^- \rightarrow b \bar{b}$ at Centre of Mass Energies on and near the Z^0 Peak Using $D^*(2010)^\pm$ Mesons
- Akers 93F Z. Phys. C61:357, 1994; CERN-PPE-93-155;
Measurement of $\Gamma(Z^0 \rightarrow b \bar{b})/\Gamma(Z^0 \rightarrow \text{hadrons})$ Using Impact Parameters and Leptons
- Akers 93G Z. Phys. C61:199, 1994; CERN-PPE-93-156;
Measurement of the Photon Structure Function F_2^γ in the Reaction $e^+ e^- \rightarrow e^+ e^- \text{hadron (hadrons) at LEP}$
- Akers 93H Z. Phys. C61:209, 1994; CERN-PPE-93-174;
Studies of Charged Particle Multiplicity in b -Quark Events
- Akers 93I Z. Phys. C60:397, 1993; CERN-PPE-93-118;
A Test of the Flavour Independence of the Strong Interaction for Five Flavours
- Akers 93J Phys. Lett. 320B:417, 1994; CERN-PPE-93-183;
Multiplicity and Transverse Momentum Correlations in Multihadronic Final States in $e^+ e^-$ Interactions at $\sqrt{s} = 91.2$ GeV
- Akers 94 Phys. Lett. 328B:207, 1994; CERN-PPE-94-042;
Measurement of the $\tau^- \rightarrow \text{hadron}^- \pi^0 \nu_\tau$ and $\tau^- \rightarrow \text{hadron}^- 2\pi^0$ (π^0 's) ν_τ Branching Ratios
- Akers 94B Phys. Lett. 327B:411, 1994; CERN-PPE-94-043;
Measurement of the Time Dependence of $B^0 \leftrightarrow \bar{B}^0$ Mixing Using a Jet Charge Technique
- Akers 94C Z. Phys. C63:181, 1994; CERN-PPE-94-049;
Measurement of the Production Rates of Charged Hadrons in $e^+ e^-$ Annihilation at the Z^0
- Akers 94D Z. Phys. C63:197, 1994; CERN-PPE-94-051;
QCD Studies Using a Cone Based Jet Finding Algorithm for $e^+ e^-$ Collisions at LEP
- Akers 94E Z. Phys. C63:363, 1994; CERN-PPE-94-052;
A Study of Mean Sub-Jet Multiplicities in Two and Three Jet Hadronic Z^0 Decays
- Akers 94F Phys. Lett. 327B:397, 1994; CERN-PPE-94-048;
Search for the Minimal Standard Model Higgs Boson
- Akers 94G Phys. Lett. 336B:585, 1994; CERN-PPE-94-090;
Measurement of the Time Dependence of $B_d^0 \leftrightarrow \bar{B}_d^0$ Mixing Using Leptons and $D^*(2010)^\pm$ Mesons
- Akers 94H Phys. Lett. 337B:196, 1994; CERN-PPE-94-091;
Observation of Exclusive Decays of B Mesons at LEP
- Akers 94I Phys. Lett. 339B:278, 1994; CERN-PPE-94-108;
Measurements of the Inclusive Branching Ratios of τ^\pm Leptons to K_S and Charged $K^*(892)$
- Akers 94J Phys. Lett. 337B:207, 1994; CERN-PPE-94-103;
Search for a Scalar Top Quark Using the OPAL Detector
- Akers 94K Phys. Lett. 337B:393, 1994; CERN-PPE-94-98;
Search for Rare Hadronic B Decays
- Akers 94L Phys. Lett. 338B:497, 1994; CERN-PPE-94-129;
Updated Measurement of the τ^\pm Lifetime
- Akers 94M Z. Phys. C65:47, 1995; CERN-PPE-94-105;
Measurement of Single Photon Production in $e^+ e^-$ Collisions Near the Z^0 Resonance
- Akers 94N Z. Phys. C65:17, 1995; CERN-PPE-94-106;
Measurement of $\Gamma(Z^0 \rightarrow b \bar{b})/\Gamma(Z^0 \rightarrow \text{Hadrons})$ Using a Double Tagging Method
- Akers 94O Z. Phys. C65:183, 1995; CERN-PPE-94-107;
Determination of an Upper Limit for the Mass of the τ -Neutrino at LEP
- Akers 94P Z. Phys. C66:31, 1995; CERN-PPE-94-171;
A Test of CP Invariance in $Z^0 \rightarrow \tau^+ \tau^-$ Using Optimal Observables
- Akers 94Q Z. Phys. C64:1, 1994; CERN-PPE-94-104;
Search for Neutral Higgs Bosons in the Minimal Supersymmetric Extension of the Standard Model
- Akers 94R Z. Phys. C66:19, 1995; CERN-PPE-94-206;
Observations of $\pi - B$ Charge-Flavor Correlations and Resonant $B \pi$ and $B K$ Production
- Akers 94S Z. Phys. C67:27, 1995; CERN-PPE-94-217;
A Measurement of the Production of $D^*(2010)^\pm$ Mesons on the Z^0 Resonance
- Akers 95 Z. Phys. C65:367, 1995; CERN-PPE-94-135;
A Measurement of the QCD Color Factor Ratios C_A/C_F and T_F/C_F from Angular Correlations in Four-Jet Events

Akers 95B

Akimenko 92

- Akers 95B Z. Phys. C65:1, 1995; CERN-PPE-94-120;
Measurement of the Tau Lepton Polarization and Its Forward-Backward Asymmetry from Z^0 Decays
- Akers 95C Z. Phys. C65:31, 1995; CERN-PPE-94-123;
Determination of Event Shape Distributions and $\alpha_S(B)$ from $Z^0 \rightarrow b \bar{b}$ Events at LEP
- Akers 95D Z. Phys. C66:543, 1995; CERN-PPE-95-06;
Measurement of the Leptonic Branching Ratios of the Tau Lepton
- Akers 95E Z. Phys. C66:555, 1995; CERN-PPE-95-12;
A Study of B Meson Oscillations Using Dilepton Events
- Akers 95F Z. Phys. C67:57, 1995; CERN-PPE-95-02;
A Study of Charm Meson Production in Semileptonic B Decays
- Akers 95G Z. Phys. C68:1, 1995; CERN-PPE-95-027;
Inclusive Strange Vector and Tensor Meson Production in Hadronic Z^0 Decays
- Akers 95H Z. Phys. C67:203, 1995; CERN-PPE-95-021;
Search for Heavy Charged Particles and for Particles with Anomalous Charge in $e^+ e^-$ Collisions at LEP
- Akers 95I Phys. Lett. 352B:176, 1995; CERN-PPE-95-038;
A Measurement of Charged Particle Multiplicity in $Z^0 \rightarrow c \bar{c}$ and $Z^0 \rightarrow b \bar{b}$ Events
- Akers 95J Z. Phys. C67:389, 1995; CERN-PPE-95-024;
The Production of Neutral Kaons in Z^0 Decays and Their Bose-Einstein Correlations
- Akers 95K Phys. Lett. 353B:595, 1995; CERN-PPE-95-058;
Measurement of the Multiplicity of Charmed Quarks Pairs Produced from Gluon Splitting in Hadronic Z^0 Decay
- Akers 95L Z. Phys. C68:203, 1995; CERN-PPE-95-57;
Measurement of the Longitudinal, Transverse and Asymmetry Fragmentation Functions at LEP
- Akers 95M Z. Phys. C68:179, 1995; CERN-PPE-95-075;
A Model Independent Measurement of Quark and Gluon Jet Properties and Differences
- Akers 95N Z. Phys. C68:519, 1995; CERN-PPE-95-069;
A Study of QCD Structure Constants and a Measurement of $\alpha_S(m(Z^0))$ at LEP Using Event Shape Observables
- Akers 95O Z. Phys. C68:555, 1995; CERN-PPE-95-070;
Measurement of the $\tau^- \rightarrow 2\text{hadron}^- \text{hadron}^+ \nu_\tau$ and $\tau^- \rightarrow 2\text{hadron}^- \text{hadron}^+ \pi^0$ (π^0 's) ν_τ Branching Ratios
- Akers 95P Phys. Lett. 350B:273, 1995; CERN-PPE-95-020;
An Improved Measurement of the B_s Lifetime
- Akers 95Q Z. Phys. C67:15, 1995; CERN-PPE-95-013;
Comparisons of the Properties of Final State Photons in Hadronic Z Decays with Predictions from Matrix Element Calculations
- Akers 95R Z. Phys. C67:379, 1995; CERN-PPE-95-019;
Improved Measurements of the B^0 and B^+ Meson Lifetimes
- Akers 95S Z. Phys. C67:45, 1995; CERN-PPE-95-022;
Measurement of the Hadronic Decay Current in $\tau^- \rightarrow 2\pi^- \pi^+ \nu_\tau$
- Akers 95T Z. Phys. C67:555, 1995; CERN-PPE-95-043;
A Search for Lepton Flavor Violating Z Decays
- Akers 95U Phys. Lett. 353B:402, 1995; CERN-PPE-95-051;
A Measurement of the Λ_b Lifetime
- Akers 95V Z. Phys. C68:531, 1995; CERN-PPE-95-83;
Investigation of the String Effect Using Final State Photons
- Akers 95W Z. Phys. C69:195, 1995; CERN-PPE-95-90;
Measurement of the Average b -Baryon Lifetime and the Product Branching Ratio $f(b \rightarrow \Lambda_b) \cdot \text{Br}(\Lambda_b \rightarrow \Lambda \ell^- \nu X)$
- Akers 95X Z. Phys. C67:365, 1995; CERN-PPE-95-050;
A Measurement of the Forward-Backward Asymmetry of $e^+ e^- \rightarrow b \bar{b}$ by Applying a Jet Charge Algorithm to Lifetime Tagged Events
- Akesson 90E Nucl. Phys. B353:1, 1991; Nucl. Phys. B357:208, 1991; CERN-PPE-90-130;
Measurement of the Transverse Energy Flow in Nucleus-Nucleus Collisions at 200 GeV per Nucleon
- Akesson 90F Z. Phys. C49:355, 1991; CERN-PPE-90-133;
Diffraction Dissociation of Nuclei in 450 GeV/c Proton-Nucleus Collisions
- Akesson 90G Z. Phys. C52:219, 1991; CERN-PPE-90-186;
A Search for Weakly Interacting Neutral Particles in Missing Energy Events on 450 GeV/c p nucleon Collisions
- Akesson 91 Z. Phys. C53:183, 1992; CERN-PPE-91-77;
Proton Distributions in the Target Fragmentation Region in Proton-Nucleus and Nucleus-Nucleus Collisions at High Energies
- Akesson 92 Phys. Lett. 296B:273, 1992; CERN-PPE-92-130;
Kaon Production in 200 GeV/Nucleon Nucleus-Nucleus Collisions
- Akesson 92B Z. Phys. C58:239, 1993; CERN-PPE-92-214;
Transverse Energy Measurements in Proton-Nucleus Interactions at High Energy
- Akesson 94 Z. Phys. C68:47, 1995; CERN-PPE-94-140;
Low-Mass Lepton-Pair Production in p -Be Collisions at 450 GeV/c
- Akesson 96 CERN-PPE-96-23;
A Study of Electron-Muon Pair Production in 450 GeV/c p Be Collisions
- Akhmetshin 95 Phys. Lett. 364B:199, 1995; BUDKERINP-95-35;
Measurement of ϕ -Meson Parameters with CMD-2 Detector at VEPP-2M Collider
- Akhmetshin 95B BUDKERINP-95-62;
Recent Results of the ϕ -Meson Study with CMD-2 at VEPP-2M and Relevance to Future CP , CPT ϕ Factory Studies
- Akiba 93 Phys. Rev. Lett. 70:1057, 1993; BNL-48116;
Bose-Einstein Correlation of Kaon in Si + Au Collisions at 14.6 A GeV/c
- Akimenko 90B Yad. Phys. 53:429, 1991; IFVE-90-10;
Experimental Study of K^0 -Meson Inclusive Production in K^+ nucleus Interaction at 11.2 GeV
- Akimenko 91 Phys. Lett. 259B:225, 1991;
Measurement of the $K^+ \rightarrow \pi^- e^+ \nu$ Form Factors
- Akimenko 92 Yad. Phys. 56-5:83, 1993; JINR-P1-92-299;
Study of Inclusive K_S^0 -Meson Production in π^+ -Nucleus and K^+ -Nucleus Interactions at 11.2 GeV

- Akimenko 92B Z. Phys. C56:537, 1992;
Investigation of Inclusive Production of K^0 and $K^*(892)^0$ Mesons in K^+ A Interactions at 11.2 GeV
- Akimov 91 Yad. Phys. 53:1187, 1991;
Studying π^+ $^{12}\text{C} \rightarrow p p$ X Reaction at Pion Energies 26–39 MeV
- Akimov 92 Nucl. Phys. A541:433, 1992;
Positive-Pion Absorption on Carbon at Low Pion Energies
- Akopyan 91 Phys. Lett. 272B:443, 1991;
Search for a Light Shortlived Neutral Boson in Orthopositronium Decay
- Akopyan 92 INR-92-754;
Search for a Light Shortlived Neutral Boson in Orthopositronium Decay
- Akrawy 90N Z. Phys. C49:1, 1991; CERN-EP-90-100;
Search for Neutral Higgs Bosons in $e^+ e^-$ Collisions at LEP
- Akrawy 90R Z. Phys. C49:375, 1991; CERN-PPE-90-143; CERN-PPE-90-143-E;
A Study of the Recombination Scheme Dependence of Jet Production Rates and of $\alpha_S(m_{Z^0})$ in Hadronic Z^0 Decays
- Akrawy 90U Z. Phys. C50:373, 1991; CERN-PPE-90-187;
A Direct Measurement of the Z^0 Invisible Width by Single Photon Counting
- Akrawy 90V Z. Phys. C49:49, 1991; CERN-PPE-90-97;
A Study of Angular Correlations in 4-Jet Final States of Hadronic Z^0 Decays
- Akrawy 91 Phys. Lett. 262B:351, 1991; CERN-PPE-91-37;
Intermittency in Hadronic Decays of the Z^0
- Akrawy 91B Phys. Lett. 261B:334, 1991; CERN-PPE-91-31;
A Model Independent Observation of the String Effect Using Quark Tagging at LEP
- Akrawy 91C Phys. Lett. 263B:311, 1991; CERN-PPE-91-48;
A Study of Heavy Flavour Production Using Muons in Hadronic Z^0 Decays
- Akrawy 91D Phys. Lett. 257B:531, 1991; CERN-PPE-90-189;
Measurement of the Cross-Sections of the Reactions $e^+ e^- \rightarrow \gamma \gamma$ and $e^+ e^- \rightarrow \gamma \gamma \gamma$ at LEP
- Alam 92 Phys. Rev. D46:4822, 1992; CLNS-92-1145; CLEO-92-1;
Shape Studies of Quark Jets vs Gluon Jets at $\sqrt{s} = 10$ GeV
- Alam 93 Phys. Rev. Lett. 71:1311, 1993; CLNS-93-1227; CLEO-93-08;
Measurement of the Ratio $B(D^+ \rightarrow \pi^0 \ell^+ \nu)/B(D^+ \rightarrow \bar{K}^0 \ell^+ \nu)$
- Alam 94B Phys. Rev. Lett. 74:2885, 1995; CLNS-94-1314; CLEO-94-25;
First Measurement of the Rate for the Inclusive Radiative Penguin Decay $b \rightarrow s \gamma$
- Alam 94C Phys. Rev. D50:43, 1994; CLNS-94-1270; CLEO-94-5;
Exclusive Hadronic B Decays to Charm and Charmonium Final States
- Alam 95 Phys. Rev. Lett. 76:2637, 1996; CLNS-95-1370; CLEO-95-19;
Tau Decays into Three Charged Leptons and Two Neutrinos
- Alanakyan 91 YERE-1351(46)-91;
Spectra of Cumulative Protons in $e^- ^{12}\text{C} \rightarrow p$ X Reactions
- Alard 92 Phys. Rev. Lett. 69:889, 1992; GSI-92-07;
Midrapidity Source of Intermediate-Mass Fragments in Highly Central Collisions of Au + Au at 150 A MeV
- Albaaj 94 Nuovo Cim. 107A:1611, 1994;
Particle Production in He Li Collisions at 4.5 A GeV/c
- Albajar 90G Phys. Lett. 256B:112, 1991; CERN-PPE-90-154;
 $J/\psi(1S)$ and $\psi(2S)$ Production at the CERN $\bar{p} p$ Collider
- Albajar 90H Phys. Lett. 257B:459, 1991; CERN-PPE-90-180;
Limits on t -Quark Decay into Charged Higgs from a Direct Search at the CERN $p \bar{p}$ Collider
- Albajar 91 Phys. Lett. 256B:121, 1991; Phys. Lett. 262B:497, 1991; CERN-PPE-90-155; CERN-PPE-90-155-REV;
Beauty Production at the CERN $\bar{p} p$ Collider
- Albajar 91B Phys. Lett. 262B:163, 1991; CERN-PPE-91-54;
A Search for Rare B Meson Decays at the CERN $Spp\bar{S}$ Collider
- Albajar 91C Phys. Lett. 262B:171, 1991; CERN-PPE-91-055;
Measurement of $B^0-\bar{B}^0$ Mixing at the CERN $Spp\bar{S}$ Collider
- Albajar 91D Phys. Lett. 273B:540, 1991; CERN-PPE-91-202;
First Observation of the Beauty Baryon Λ_b in the Decay Channel $\Lambda_b \rightarrow J/\psi(1S) \Lambda$ at the CERN Proton-Antiproton Collider
- Albajar 92 Z. Phys. C56:37, 1992; CERN-PPE-92-85;
Multifractal Analysis of Minimum Bias Events in $\sqrt{s} = 630$ GeV $\bar{p} p$ Collisions
- Albajar 93B Z. Phys. C61:41, 1994; CERN-PPE-93-153;
Measurement of $B^0-\bar{B}^0$ Correlations at the CERN $Spp\bar{S}$ Collider
- Albajar 95 Phys. Lett. 369B:46, 1996; CERN-PPE-95-158;
Measurement of α_S from $B \bar{B}$ Production at the CERN $p \bar{p}$ Collider
- Alber 94 Z. Phys. C64:195, 1994;
Strange Particle Production in Nuclear Collisions at 200 GeV per Nucleon
- Alber 95 Nucl. Phys. A590:453c, 1995;
Two-Pion Interferometry in Central Nucleus-Nucleus Collisions at the CERN SPS — Results from Experiments NA35 and NA49
- Alber 95C Phys. Rev. Lett. 74:1303, 1995; LBL-36062;
Transverse Momentum Dependence of Bose-Einstein Correlations in 200 A GeV/c S + A collisions
- Alber 95D Phys. Rev. Lett. 75:3814, 1995;
Transverse Energy Production in ^{208}Pb Pb Collisions at 158 GeV per Nucleon
- Albert 95 Phys. Rev. C51:R1065, 1995;
Measurement of the Reaction $^{12}\text{C}(\nu_\mu, \mu^-)X$ Near Threshold
- Albrecht 89U Phys. Lett. 262B:148, 1991; DESY-89-166;
Search for $B \rightarrow$ strange charged $^+$ charged $^-$ in Exclusive Decays of B Mesons
- Albrecht 90B Z. Phys. C49:349, 1991; DESY-90-033;
Study of $p p$ and $\Lambda \Lambda$ Production in $e^+ e^-$ Annihilation at 10 GeV Center of Mass Energy
- Albrecht 90M Z. Phys. C50:1, 1991; DESY-90-034;
Observation of Spin-Parity 2^+ Dominance in the Reaction $\gamma \gamma \rightarrow \rho^0 \rho^0$ near Threshold

Albrecht 91

Albrecht 92U

- Albrecht 91 Z. Phys. C51:1, 1991; CERN-PPE-91-1;
Upper Limit for Thermal Direct Photon Production in Heavy-Ion Collisions at 60 and 200 A GeV
- Albrecht 91B Phys. Lett. 255B:634, 1991; DESY-90-138;
Observation of the Decays $D_s^- \rightarrow \phi(1020) e^- \bar{\nu}_e$ and $D^- \rightarrow K^*(892)^0 e^- \bar{\nu}_e$
- Albrecht 91C Phys. Lett. 260B:259, 1991; DESY-90-155;
Observation of the Decay $\tau^\pm \rightarrow \rho \pi \pi \nu_\tau$
- Albrecht 91D Phys. Lett. 277B:209, 1992; DESY-91-077;
First Evidence of $\chi_{c1}(1P)$ Production in B Meson Decays
- Albrecht 91E DESY-91-056;
A Measurement of $\tau(B^+)/\tau(B^0)$ from the Lepton and Dilepton Rates in $\Upsilon(4S)$ Decays
- Albrecht 91F Phys. Lett. 269B:234, 1991; DESY-91-055;
Observation of Λ_c^+ Semileptonic Decay
- Albrecht 91G Z. Phys. C52:353, 1991; DESY-91-023;
Inclusive Production of D^0 , D^+ and $D^*(2010)^+$ Mesons in B Decays and Nonresonant $e^+ e^-$ Annihilation at 10.6 GeV
- Albrecht 91H Nucl. Phys. A525:333c, 1991;
Bose-Einstein Correlations in the Target Fragmentation Region of 200 A GeV $^{16}\text{O} + \text{nucleus}$ Collisions
- Albrecht 91I Phys. Lett. 258B:297, 1991; DESY-90-121;
Reconstruction of Semileptonic $b \rightarrow u$ Decays
- Albrecht 91J Z. Phys. C54:1, 1992; DESY-91-121;
Production of D_s^+ Mesons in B Decays and Determination of F_{D_s}
- Albrecht 91K Phys. Lett. 278B:202, 1992; DESY-91-112;
A Measurement of the Inclusive Semileptonic Decay Fraction of Charmed Hadrons
- Albrecht 91L Z. Phys. C54:13, 1992; DESY-91-092;
Measurement of R and Determination of the Charged-Particle Multiplicity in $e^+ e^-$ Annihilation at \sqrt{s} around 10 GeV
- Albrecht 91M Z. Phys. C53:367, 1992; DESY-91-084;
Measurement of Exclusive One-Prong and Inclusive Three-Prong Branching Ratios of the Tau Lepton
- Albrecht 91N Phys. Lett. 267B:535, 1991; DESY-91-19;
A Spin-Parity Analysis of $\gamma \gamma \rightarrow \rho^+ \rho^-$
- Albrecht 91O Nucl. Phys. A525:305c, 1991;
Search for Direct Photons in Heavy-Ion Collisions
- Albrecht 91P Z. Phys. C53:361, 1992; DESY-91-066;
The Measurement of D_s^+ and D^+ Meson Decays into $K^*(892)^+ \bar{K}^*(892)^0$
- Albrecht 91Q Phys. Rev. C44:2736, 1991;
Distributions of Transverse Energy and Forward Energy in ^{16}O - and ^{32}S -Induced Heavy Ion Collisions at 60 A and 200 A GeV
- Albrecht 92 Z. Phys. C55:179, 1992; DESY-92-013;
Search for Neutrinoless τ^\pm Decays
- Albrecht 92B Phys. Lett. 275B:195, 1992; DESY-91-122;
Measurement of the Decay $B^- \rightarrow D^*(2010)^0 \ell^- \bar{\nu}$
- Albrecht 92C Phys. Lett. 274B:239, 1992; DESY-91-091;
A Measurement of Asymmetry in the Decay $\Lambda_c^+ \rightarrow \Lambda \pi^+$
- Albrecht 92D Z. Phys. C56:1, 1992; DESY-92-074;
Measurement of Inclusive Baryon Production in B Meson Decays
- Albrecht 92E DESY-92-029;
Exclusive Semileptonic Decays of B Mesons to D Mesons
- Albrecht 92F Phys. Lett. 292B:221, 1992; DESY-92-086;
A Measurement of the Tau Mass
- Albrecht 92G Z. Phys. C56:7, 1992; DESY-92-077;
New Results on D^0 Decays
- Albrecht 92H Z. Phys. C55:25, 1992; DESY-92-008;
Search for Charm Production in Direct Decays of the $\Upsilon(1S)$ Resonance
- Albrecht 92I Z. Phys. C56:339, 1992; DESY-92-082;
Measurement of the Decay $\tau^- \rightarrow \rho^- \nu_\tau$
- Albrecht 92J Phys. Lett. 288B:367, 1992; DESY-92-052;
Evidence for the Production of the Charmed, Doubly Strange Baryon Ω_c in $e^+ e^-$ Annihilation
- Albrecht 92K Z. Phys. C55:357, 1992; DESY-92-050;
A New Determination of the B^0 - \bar{B}^0 Oscillation Strength
- Albrecht 92L Z. Phys. C53:225, 1992;
Bose-Einstein Correlations in the Target Fragmentation Region in 200 GeV $^{16}\text{O} + \text{Nucleus}$ Collisions
- Albrecht 92M Z. Phys. C58:61, 1993; DESY-92-125;
Analysis of the Decay $\tau^- \rightarrow \pi^- \pi^+ \pi^+ \nu_\tau$ and Determination of the $a_1(1260)$ Resonance Parameters
- Albrecht 92N Phys. Lett. 297B:425, 1993; DESY-92-124;
Observation of the Decay $D_{s1}(2536)^+ \rightarrow D^*(2010)^0 K^+$
- Albrecht 92O DESY-92-056;
Search for $D^0 \rightarrow K^+ \pi^-$
- Albrecht 92P Z. Phys. C57:533, 1993; DESY-92-146;
Investigation of the Decays $\bar{B}^0 \rightarrow D^*(2010)^+ \ell^- \bar{\nu}$ and $\bar{B} \rightarrow D^{**} \ell^- \bar{\nu}$
- Albrecht 92Q Z. Phys. C58:191, 1993; DESY-92-155;
Inclusive Production of Charged Pions, Kaons and Protons in $\Upsilon(4S)$ Decays
- Albrecht 92R Phys. Lett. 303B:368, 1993; DESY-92-184;
Observation of $\Xi_c(2460)^0$ Semileptonic Decay
- Albrecht 92S Z. Phys. C58:199, 1993; DESY-92-174;
Inclusive Production of η' and $f_0(975)$ Mesons in the Υ Energy Region
- Albrecht 92T Nucl. Phys. A544:183c, 1992;
Recent Results from the WA80 Experiment at CERN
- Albrecht 92U Z. Phys. C55:539, 1992; GSI-92-27;
Multiplicity and Pseudorapidity Distributions of Charged Particles from ^{32}S Induced Heavy Ion Interactions at 200 A GeV

Albrecht 93

- Albrecht 93 Phys. Lett. 308B:435, 1993; DESY-93-003;
A Partial Wave Analysis of the Decay $D^0 \rightarrow K_S \pi^+ \pi^-$
- Albrecht 93B Z. Phys. C60:11, 1993; DESY-93-054;
Search for Rare B Meson Decays into D_s^+ Mesons
- Albrecht 93C Phys. Lett. 318B:397, 1993; DESY-93-104;
A Model-Independent Determination of the Inclusive Semileptonic Decay Fraction of B Mesons
- Albrecht 93D Phys. Lett. 324B:249, 1994; DESY-93-149;
A Study of $\bar{B}^0 \rightarrow D^*(2010)^+ \ell^- \bar{\nu}$ and $B^0 \bar{B}^0$ Mixing Using Partial $D^*(2010)^+$ Reconstruction
- Albrecht 93E Phys. Lett. 316B:608, 1993; DESY-93-108;
A Determination of Two Michel Parameters in Purely Leptonic Tau Decays
- Albrecht 93F Phys. Lett. 317B:227, 1992; DESY-93-101;
Observation of a New Charmed Baryon
- Albrecht 93G Z. Phys. C57:37, 1993;
Production of Slow Singly Charged Fragments in 200 GeV/c Hadron Nucleus Interactions
- Albrecht 93H Phys. Lett. 307B:269, 1993;
Emission of Slow Singly Charged Fragments in Relativistic ^{16}O -Nucleus Interactions
- Albrecht 94B Phys. Lett. 332B:451, 1994; DESY-94-029;
Observation of $\gamma \gamma \rightarrow \phi(1020) \rho^0$ and $\gamma \gamma \rightarrow \phi(1020) \omega$
- Albrecht 94C Nucl. Phys. A566:61c, 1994;
Single Photon and Neutral Meson Data from WA80
- Albrecht 94D Nucl. Phys. A566:355c, 1994;
Comparison of π^0 and η Spectra from S+Au Collisions at 200 GeV/c
- Albrecht 94E Nucl. Phys. A566:519c, 1994;
Effective Source Sizes of Low Rapidity Soft Particle Emission
- Albrecht 94F Phys. Lett. 326B:320, 1994; DESY-94-004;
Observation of Polarization Effects in Λ_c^+ Semileptonic Decay
- Albrecht 94G Z. Phys. C61:1, 1994; DESY-93-084;
Inclusive Production of $K^*(892)$, ρ^0 , and ω Mesons in the Υ Energy Region
- Albrecht 94H Phys. Rev. C50:1048, 1994; LBL-35214;
Intermittency and Correlations in 200 GeV/Nucleon S+S and S+Au Collisions
- Albrecht 94I Phys. Lett. 335B:526, 1994; DESY-94-069;
Reconstruction of the Decay $B^- \rightarrow D_1(0)(2414) \pi^-$
- Albrecht 94J Z. Phys. C64:375, 1994; DESY-94-052;
Study of D^0 and D^+ Decays into Final States with Two or Three Kaons
- Albrecht 94K Phys. Lett. 341B:441, 1994; DESY-94-100;
The First Measurement of the Michel Parameter η in τ^\pm Decays
- Albrecht 94L Phys. Lett. 340B:125, 1994; DESY-94-094;
Measurement of the Absolute Branching Fractions for D^0 Decays into $K^- \pi^+$, $K^- \pi^+ \pi^+ \pi^-$, $\bar{K}^0 \pi^+ \pi^-$
- Albrecht 94M Phys. Lett. 338B:390, 1994; DESY-94-110;
Determination of the Radiative Decay Width of the $\eta_c(1S)$ Meson
- Albrecht 94N Z. Phys. C66:63, 1995; DESY-94-111;
Measurement of the Decay Fractions of $D^*(2010)$ Mesons
- Albrecht 94O Z. Phys. C65:619, 1995; DESY-94-121;
A Measurement of the Electronic Widths Γ_{ee} of the $\Upsilon(1S)$, $\Upsilon(2S)$, and $\Upsilon(4S)$ Resonances, and of the Total Decay Width Γ of the $\Upsilon(4S)$
- Albrecht 94P Phys. Lett. 340B:217, 1994; DESY-94-139;
Measurement of the Polarization in the Decay $B \rightarrow J/\psi(1S) K^*(892)$
- Albrecht 94Q Phys. Lett. 337B:383, 1994; DESY-94-120;
Determination of the Structure of τ^\pm Decays in the Reaction $e^+ e^- \rightarrow \tau^+ \tau^- \rightarrow \rho^+ \bar{\nu}_\tau \rho^- \nu_\tau$ and a Precision Measurement of the τ^\pm -Neutrino Helicity
- Albrecht 94R Z. Phys. C62:371, 1994; DESY-93-052;
Kaons in Flavor Tagged B Decays
- Albrecht 94S Phys. Lett. 342B:397, 1995; DESY-94-177;
Evidence for W^\pm Exchange in Charmed Baryon Decays
- Albrecht 94U Phys. Lett. 353B:554, 1995; DESY-94-246;
Search for Rare B Decays
- Albrecht 95 Phys. Lett. 349B:576, 1995; DESY-95-011;
Determination of the Michel Parameters ξ and δ in Leptonic τ^\pm Decays
- Albrecht 95B Z. Phys. C68:25, 1995; DESY-95-071;
A Search for Lepton Flavor Violating Decays $\tau^\pm \rightarrow e^- \text{Alpha}$ $\tau^\pm \rightarrow \mu^- \text{Alpha}$
- Albrecht 95C Z. Phys. C68:215, 1995; DESY-95-087;
 τ^\pm Decays into $K^*(892)$ Mesons
- Albrecht 95D Z. Phys. C69:405, 1996; DESY-95-129;
Measurement of the Decay $D_{s2}(2573)^+ \rightarrow D^0 K^+$
- Albrecht 95E Phys. Lett. 374B:249, 1996; DESY-95-187;
Measurement of the Semileptonic Branching Fractions of the D^0 Meson
- Albrecht 95F Phys. Lett. 361B:14, 1995;
Production of η Mesons in 200 A GeV/c S + S and S + Au Reactions
- Albrecht 95G Phys. Lett. 374B:265, 1996; DESY-95-227;
Two Photon Production of ω Pairs
- Albrecht 95H Phys. Lett. 374B:256, 1996; DESY-95-223;
Two Measurements of B^0 - \bar{B}^0 Mixing Using Kaon Tagging
- Albrecht 95I Nucl. Phys. A590:81c, 1995;
Search for Direct Photon Production in 200 A GeV S Au Reactions: A Status Report
- Albrecht 96 Phys. Rev. Lett. 76:3506, 1996; CERN-PPE-95-186;
Limits on the Production of Direct Photons in 200 A GeV ^{32}S +Au Collisions
- Albuquerque 94 Phys. Rev. D50:R18, 1994; IFUSP-P-1104;
New Upper Limit for the Branching Ratio of the $\Omega^- \rightarrow \Xi^- \gamma$ Radiative Decay
- Albuquerque 96 FERMILAB-PUB-96-047-E;
A Search for Light Supersymmetric Baryons

Alcaraz 95

Alexander 91C

- Alcaraz 95 Nucl. Phys. B, Proc. Suppl B40:237, 1995;
Tau Lepton Branching Fractions from L3
- Alcock 95 Phys. Rev. Lett. 74:2867, 1995; ASTROPH-9501091;
Experimental Limits on the Dark Matter Halo of the Galaxy from Gravitational Microlensing
- Alde 90B Phys. Rev. Lett. 66:133, 1991; FERMILAB-PUB-90-156-E;
The A-Dependence of $J/\psi(1S)$ and $\psi(2S)$ Production at 800 GeV/c
- Alde 91 Phys. Rev. Lett. 66:2285, 1991; FERMILAB-PUB-91-37;
Nuclear Dependence of the Production of Υ Resonances at 800 GeV
- Alde 91B Yad. Phys. 54:745, 1991; IFVE-91-41;
Study of $X(1740)$ Production
- Alde 91C Phys. Lett. 276B:375, 1992; Yad. Phys. 54:751, 1991; IFVE-91-40; CERN-PPE-91-236;
Further Study of the $X(1910)$ Meson
- Alde 91D Nucl. Phys. A525:285c, 1991;
 $J/\psi(1S)$ and $\psi(3770)$ Production with 800 GeV Protons
- Alde 91E Yad. Phys. 54:1311, 1991; Sov. J. Nucl. Phys. 54:798, 1992; Z. Phys. C54:549, 1992; IFVE-91-88;
Study $\pi^- p \rightarrow \eta' \pi^0 n$ Reaction at 38 GeV/c and 100 GeV/c
- Alde 91F Phys. Lett. 284B:457, 1992; CERN-PPE-91-200;
Production Mechanism of the $X(1740)$ Meson
- Alde 91G Yad. Phys. 55:410, 1992; Sov. J. Nucl. Phys. 55:226, 1992; IFVE-91-115;
Study of $\omega \pi^0$ System at the High Masses
- Alde 92 Z. Phys. C54:553, 1992; CERN-PPE-92-39;
Study of the $\omega \pi^0$ System
- Alde 93 Z. Phys. C61:35, 1994; Yad. Phys. 56-9:137, 1993; IFVE-93-29; CERN-PPE-93-143;
Model-Independent Measurement of $\omega \rightarrow \eta \gamma$ Decay Branching Ratio
- Alde 94 Phys. Lett. 340B:122, 1994; CERN-PPE-94-149;
Observation of the $\omega \rightarrow \pi^0 \pi^0 \gamma$ Decay
- Alde 94B Z. Phys. C66:375, 1995; CERN-PPE-94-157;
Study of the $f_0(995)$ Resonance in the $\pi^0 \pi^0$ Decay Channel
- Alde 94C Z. Phys. C66:379, 1995; CERN-PPE-94-158;
Partial-Wave Analysis for the $\omega \pi^0$ -System at High Mass
- Alde 95 IFVE-95-93;
Observation of $a_4(2040)^0$ -Meson in the $\eta \pi^0$ Decay Channel
- Alde 95B KEK-95-160;
Study of the $\eta \pi^0$ System in the $p p$ Central Collision Reaction at 450 GeV/c
- Aleem 92 Int. Jour. Mod. Phys. A7:3665, 1992;
String Fragmentation Model and Inclusive Production of K Mesons
- Aleev 93 JINR-D1-93-36;
Search for Asymmetry in the Decays of Charmed-Strange Baryon $\Xi_c(2460)^+$
- Aleev 93B Yad. Phys. 56-10:100, 1993; JINR-D1-92-534;
Narrow Baryonia with Open and Hidden Strangeness
- Aleev 93C Yad. Phys. 57:1443, 1994; JINR-P1-93-26;
Measurements of Relative Branching Ratios of Charm Particles Λ_c^+ and D^-
- Aleev 93D Yad. Phys. 56-9:147, 1993;
 \bar{D}^0 -Meson Production in $n p$, $n C$, and $n Al$ Interactions at 37.5 – 70 GeV
- Aleev 93E DESY-93-01;
 ϕ -Meson Production in Neutron-Proton and Neutron-Nucleus Interactions at 30 – 70 GeV
- Aleksandryan 93 Yad. Phys. 56-6:1, 1993;
Isomer Ratios of Photonuclear Reaction Yields on Tin Nuclei
- Alekseev 91 Yad. Phys. 55:1912, 1992; ITEP-91-108;
Asymmetry in Dipion Production on Transversely Polarized Proton Target at 1.78 GeV/c
- Alekseev 91B Sov. J. Nucl. Phys. 54:977, 1991; Yad. Phys. 54:1597, 1991; ITEP-91-60;
Production of a ΛK^0 Pair in Neutron Nucleus Interactions
- Alekseev 95 Phys. Lett. 351B:585, 1995;
Measurement of the Spin Rotation Parameter A_{\perp} in the Elastic Scattering of Positive Pions on a Longitudinally-Polarized Proton Target in the Second Resonance Region
- Alemanly 94 LAL-94-68;
Tau Decays into Kaons
- Aleshin 91 Yad. Phys. 55:2462, 1992; LENI-91-1753;
Search for Narrow Dibaryons in Deuteron Break-up Reaction $p \text{ deuteron} \rightarrow p p n$ in Kinematically Complete Experiment
- Aleshin 92B Yad. Phys. 55:3255, 1992;
Production of Isobar $N(1700 B)^+$ in the Reaction $\pi^- p \rightarrow p \pi^+ \pi^- \pi^- \pi^0$ at 3.92 GeV/c
- Aleshin 92C ITEP-92-45;
Search of Production of $p \eta$ and $p \omega$ – Systems in Reaction $\pi^- p \rightarrow p \pi^+ 2\pi^- \pi^0$ at Momentum 3.92 GeV/c
- Aleshin 94 ITEP-94-18;
The Existence of Exotic States in Decays of Heavy Baryon Produced in the Reaction $\pi^- p \rightarrow n 2\pi^- 2\pi^+$ at 4.35 GeV/c Momentum
- Aleshin 94B Nucl. Phys. A568:809, 1994; DAPNIA-SPHN-93-03;
Study of the Deuteron Structure in Quasi-Elastic Breakup Reaction $p \text{ deuteron} \rightarrow p p n$ at 1 GeV
- Aleshin 95B Zh. Eksp. Teor. Fiz. 108:1899, 1995;
Investigation of the Neutral Strange Particle Production in the Neutrino-Nucleus Interactions at SKIF Spectrometer at the Energies of 3 – 30 GeV
- Alessandrell 92 Phys. Lett. 285B:176, 1992;
A Search for Neutrinoless Double Beta Decay of ^{130}Te with Thermal Detector
- Alessandrell 94 Phys. Lett. 335B:519, 1994;
A New Search for Neutrinoless $\beta\beta$ Decay with Thermal Detector
- Alexander 91 Phys. Lett. 262B:341, 1991; CERN-PPE-91-63;
A Study of $D^*(2010)^{\pm}$ Production in Z^0 Decays
- Alexander 91B Phys. Lett. 263B:123, 1991; CERN-PPE-91-61;
A Search for Scalar Leptoquarks in Z^0 Decays
- Alexander 91C Z. Phys. C52:175, 1991; CERN-PPE-91-067;
Measurement of the Z^0 Line Shape Parameters and the Electroweak Couplings of Charged Leptons

- Alexander 91D Phys. Lett. 264B:219, 1991; CERN-PPE-91-81;
A Measurement of the Electroweak Couplings of Up and Down Type Quarks Using Final State Photons in Hadronic Z^0 Decays
- Alexander 91E Phys. Lett. 264B:467, 1991; CERN-PPE-91-86;
A Study of K_S Production in Z^0 Decays
- Alexander 91F Z. Phys. C52:543, 1991; CERN-PPE-91-97;
Measurement of Three-Jet Distributions Sensitive to the Gluon Spin in $e^+ e^-$ Annihilations at $\sqrt{s} = 91$ GeV
- Alexander 91G Phys. Lett. 266B:201, 1991; CERN-PPE-91-103;
Measurement of Branching Ratios and τ^- Polarization from $\tau^- \rightarrow e^- \nu \bar{\nu}$, $\tau^- \rightarrow \mu^- \nu \bar{\nu}$, and $\tau^- \rightarrow \pi(K) \nu$ Decays at LEP
- Alexander 91H Phys. Lett. 265B:462, 1991; CERN-PPE-91-91;
A Direct Observation of Quark-Gluon Jet Differences at LEP
- Alexander 91I Phys. Lett. 266B:485, 1991; CERN-PPE-91-92;
Observation of $J/\psi(1S)$ Production in Multihadronic Z^0 Decays
- Alexander 92 Phys. Rev. Lett. 68:1275, 1992;
 D_s^+ Decays to $\eta \pi^+$ and $\eta' \pi^+$
- Alexander 93 Phys. Lett. 303B:377, 1993; CLNS-93-1191; CLEO-93-1;
Production and Decay of the $D_{s1}(2536)^+$
- Alexander 93B Phys. Lett. 319B:365, 1993; CLNS-93-1257; CLEO-93-20;
Search for Exclusive $b \rightarrow u$ Transitions in Hadronic Decays of B Mesons Involving D_s^+ and D_s^{*+} Mesons
- Alexander 94 Phys. Rev. Lett. 75:4155, 1995; Phys. Rev. Lett. 74:3113, 1995; CLNS-94-1288; CLEO-94-14;
First Observation of $\Xi_c(2460)^+ \rightarrow \Xi^0 e^+ \nu_e$ and a Measurement of the $\Xi_c(2460)^+/\Xi_c(2460)^0$ Lifetime Ratio
- Alexander 94B Phys. Lett. 341B:435, 1994; Phys. Lett. 347B:469, 1995; CLNS-94-1291; CLEO-94-18;
Observation of bottom $\rightarrow J/\psi(1S) \pi$ Decays
- Alexander 95 Phys. Rev. D53:1013, 1996; CLNS-95-1343; CLEO-95-9;
Observation of the Cabibbo Suppressed Charmed Baryon Decay $\Lambda_c^+ \rightarrow p \phi$
- Alexander 95B Phys. Lett. 358B:162, 1995; CERN-PPE-95-99;
 $\Delta(1232 P_{33})^{++}$ Production in Hadronic Z^0 Decays
- Alexander 95C Phys. Lett. 364B:93, 1995; CERN-PPE-95-122;
A Study of b Quark Fragmentation into B^0 and B^+ Mesons at LEP
- Alexander 95D Z. Phys. C69:543, 1996; CERN-PPE-95-126;
A Comparison of b and $u d s$ Quark Jets to Gluon Jets
- Alexander 95E Z. Phys. C70:197, 1996; CERN-PPE-95-153;
 $J/\psi(1S)$ and $\psi(2S)$ Production in Hadronic Z^0 Decays
- Alexander 95F Phys. Lett. 368B:244, 1996; CERN-PPE-95-155;
Test of the Exponential Decay Law at Short Decay Times Using Tau Leptons
- Alexander 95G Phys. Lett. 369B:163, 1996; CERN-PPE-95-142;
Measurement of the $\tau^- \rightarrow e^- \bar{\nu}_e \nu_\tau$ Branching Ratio
- Alexander 95H Z. Phys. C70:357, 1996; CERN-PPE-95-179;
Measurement of the Heavy Quark Forward-Backward Asymmetries and Average B Mixing Using Leptons in Multi-Hadronic Events
- Alexander 95I Z. Phys. C71:1, 1996; CERN-PPE-95-193;
Search for a Narrow Resonance in Z^0 Decays into Hadrons and Isolated Photons
- Alexandryan 94 Yad. Phys. 57:2115, 1994;
The Investigation of Photonuclear Reactions on the Target Nucleus Sn
- Alexopoulos 92 Phys. Rev. D46:2773, 1992;
Hyperon Production from Proton-Antiproton Collisions at $\sqrt{s} = 1.8$ TeV
- Alexopoulos 92B Phys. Rev. D48:1931, 1993; WISC-EX-92-327;
A Study of Source Size in $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV Using Pion Interferometry
- Alexopoulos 93 Phys. Rev. Lett. 71:1490, 1993;
Inclusive Photon Production from $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Alexopoulos 93B Phys. Rev. D48:984, 1993;
Mass Identified Particle Production in Proton Antiproton Collisions at $\sqrt{s} = 300$ GeV, 540 GeV, 1000 GeV, and 1800 GeV
- Alexopoulos 94 FERMILAB-CONF-94-124-E;
Mass Identified Particle Production and Bose-Einstein Correlations at 1800 GeV
- Alexopoulos 94B FERMILAB-CONF-94-178-E;
Production of $J/\psi(1S)$ in 800 GeV/c p -Si Interactions
- Alexopoulos 94C Phys. Lett. 336B:599, 1994;
Multiplicity Dependence of the Transverse Momentum Spectra of Centrally Produced Hadrons in $\bar{p} p$ Collisions at 0.3, 0.4, 0.9, and 1.8 TeV Center of Mass Energy
- Alexopoulos 95 Phys. Lett. 353B:155, 1995;
Charged Particles Multiplicity Correlations in $\bar{p} p$ Collisions at $\sqrt{s} = 0.3 - 1.8$ TeV
- Alexopoulos 95B FERMILAB-PUB-95-286-E;
Search for the Flavor Changing Neutral Current Decay $D^0 \rightarrow \mu^+ \mu^-$ in 800 GeV Proton-Silicon Interactions
- Alexopoulos 95C Z. Phys. C67:411, 1995;
 ϕ Meson Production from $\bar{p} p$ Collisions at $\sqrt{s} = 1.8$ TeV
- Alexopoulos 95D Phys. Lett. 374B:271, 1996; FERMILAB-PUB-95-297-E;
Measurement of $J/\psi(1S)$, $\psi(2S)$ and Υ Total Cross Sections in 800 GeV/c p Si Interactions
- Alfimenkov 91 Yad. Phys. 54:1489, 1991;
Parity Violation in Rb and ^{113}Cd Neutron Resonances
- Alfimenkov 92 Zh. Eksp. Teor. Fiz. 102:740, 1992;
Result of the Neutron Lifetime Measurement in the Gravitational Trap Experiment and Analysis of the Experimental Errors
- Alford 93 TRI-PP-93-31;
Spin-Isospin Strength Distributions in $f - p$ Shell Nuclei: A Study of the $^{51}\text{Va}(n,p)$ and $^{59}\text{Co}(n,p)$ Reactions at 198 MeV
- Ali 93 CERN-TH-7054-93;
An Estimate of the CKM Matrix Element Ratio $|V_{ts}|/|V_{cb}|$ from the Electromagnetic Decays $B \rightarrow K^*(892) \gamma$ and $B \rightarrow X_s \gamma$

Alitti 90D

Alverson 91B

- Alitti 90D Z. Phys. C49:17, 1991; CERN-PPE-90-105;
A Measurement of Two-Jet Decays of the W^\pm and Z^0 Bosons at the CERN $\bar{p} p$ Collider
- Alitti 90E Phys. Lett. 257B:232, 1991; CERN-PPE-90-188;
Inclusive Jet Cross-Section and a Search for Quark Compositeness at the CERN $\bar{p} p$ Collider
- Alitti 91 Phys. Lett. 263B:544, 1991; CERN-PPE-91-68;
A Measurement of the Direct Photon Production Cross Section at the CERN $\bar{p} p$ Collider
- Alitti 91B Phys. Lett. 263B:563, 1991; CERN-PPE-91-62;
A Determination of the Strong Coupling Constant α_S from W^\pm Production at the CERN $p \bar{p}$ Collider
- Alitti 91C Z. Phys. C52:209, 1991; CERN-PPE-91-69;
A Measurement of Electron-Tau Universality from Decays of Intermediate Vector Bosons at the CERN $\bar{p} p$ Collider
- Alitti 91D Phys. Lett. 274B:507, 1992; CERN-PPE-91-158;
A Search for Scalar Leptoquarks at the CERN $\bar{p} p$ Collider
- Alitti 91E Phys. Lett. 276B:365, 1992; CERN-PPE-91-162;
A Measurement of the W^\pm and Z^0 Production Cross Sections and a Determination of Γ_{W^\pm} at the CERN $\bar{p} p$ Collider
- Alitti 91F Phys. Lett. 276B:354, 1992; CERN-PPE-91-163;
An Improved Determination of the Ratio of W^\pm and Z^0 Masses at the CERN $\bar{p} p$ Collider
- Alitti 91G Phys. Lett. 268B:145, 1991; CERN-PPE-91-101;
A Study of Multi-Jet Events at the CERN $\bar{p} p$ Collider and a Search for Double Parton Scattering
- Alitti 91H Phys. Lett. 275B:202, 1992; CERN-PPE-91-177;
Study of Electron Pair Production below the Z^0 Mass at the CERN $\bar{p} p$ Collider
- Alitti 91I Phys. Lett. 277B:203, 1992; CERN-PPE-91-208;
Experimental Limit on the Decay $W^\pm \rightarrow \pi^\pm \gamma$ at the CERN $\bar{p} p$ Collider
- Alitti 91J Phys. Lett. 277B:194, 1992; CERN-PPE-91-216;
Direct Measurement of the $W^\pm - \gamma$ Coupling at the CERN $\bar{p} p$ Collider
- Alitti 92 Phys. Lett. 280B:137, 1992; CERN-PPE-92-13;
A Search for Charged Higgs from Top Quark Decay at the CERN $\bar{p} p$ Collider
- Alitti 92B Phys. Lett. 288B:386, 1992; CERN-PPE-92-100;
A Measurement of Single and Double Prompt Photon Production at the CERN $\bar{p} p$ Collider
- Alitti 92C Phys. Lett. 299B:174, 1993; CERN-PPE-92-169;
Measurement of the Gluon Structure Function from Direct Photon Data at the CERN $\bar{p} p$ Collider
- Alitti 93 Nucl. Phys. B400:3, 1993; CERN-PPE-93-66;
A Search for New Intermediate Vector Bosons and Exited Quarks Decaying to Two-Jets at CERN $p \bar{p}$ Collider
- Allasia 90C Phys. Lett. 258B:493, 1991; CERN-PPE-90-178;
Inelastic $J/\psi(1S)$ Production in Deep Inelastic Scattering from Hydrogen and Deuterium and the Gluon Distribution of Free Nucleons
- Allen 91 Phys. Rev. D43:R1, 1991; LA-UR-90-2981;
Experimental Bound on the Charge Radius of the Electron Neutrino
- Allen 93 Phys. Rev. D47:11, 1993;
Study of Electron-Neutrino-Electron Elastic Scattering at LAMPF
- Allen 93B Phys. Rev. D48:466, 1993;
Search for Point Sources of Ultrahigh-Energy γ Rays in the Southern Sky
- Allet 94 Phys. Rev. C50:602, 1994;
Cross Section and Analyzing Power A_y in the Break up Reaction ${}^2\text{H}(p[\uparrow, p] p) n$ at 65 MeV: Collinearity Configurations
- Allie 93 Phys. Lett. 314B:173, 1993;
Differential Cross Section for n - p Radiative Capture at $E_n = 63.4$ MeV
- Alliegro 92 Phys. Rev. Lett. 68:278, 1992;
Study of the Decay $K^+ \rightarrow \pi^+ e^+ e^-$
- Allison 93 ANL-HEP-CP-93-32;
Status of the SOUDAN 2 Experiment
- Allison 93B ANL-HEP-PR-93-34;
Contained ν Events Observed in Soudan 2
- Alstongarnjo 93 Phys. Rev. Lett. 71:831, 1993; LBL-33710;
Experimental Search for Neutrinoless Double Beta decay of ${}^{100}\text{Mo}$
- Altarelli 93 Phys. Lett. 320B:152, 1994; Phys. Lett. 325B:538, 1994; CERN-TH-7023-93;
On the Q^2 Dependence of the Measured Polarized Structure Functions
- Altarev 92 Phys. Lett. 276B:242, 1992;
New Measurement of the Electric Dipole Moment of the Neutron
- Alteholz 94 Phys. Rev. Lett. 73:1336, 1994; PSI-PR-94-11; MIT-LNS-94-56;
A Large Solid Angle Study of Pion Absorption on ${}^3\text{He}$
- Altmann 95 Z. Phys. C68:221, 1995;
Search for the Electron-Positron Decay of Axions and Axionlike Particles at a Nuclear Power Reactor at Bugey
- Alvarez 90D Z. Phys. C50:11, 1991; CERN-PPE-90-112;
Branching Ratios and Properties of D -Meson Decays
- Alvarez 91 Phys. Lett. 255B:639, 1991; CERN-PPE-90-179;
Results Concerning the Decay $D_s^\pm \rightarrow \eta' \pi^\pm$
- Alvarez 91B Phys. Lett. 278B:385, 1992; CERN-PPE-91-209;
 $D \bar{D}$ Correlation in Photoproduction
- Alvarez 92 Z. Phys. C60:53, 1993; CERN-PPE-92-28;
Study of Charm Photoproduction Mechanisms
- Alvarezdelar 95 Phys. Lett. 351B:418, 1995;
Study of Very Peripheral S Pb and S S Interactions at 200 GeV/c per Nucleon
- Alverson 91 Phys. Rev. D45:R3899, 1992; FERMILAB-PUB-91-211;
Production of π^0 Mesons at High p_T in $\pi^- \text{Be}$ and $p \text{Be}$ Collisions at 500 GeV/c
- Alverson 91B Phys. Rev. Lett. 68:2584, 1992; FERMILAB-PUB-91-212;
Direct Photon Production at High p_T in $\pi^- \text{Be}$ and $p \text{Be}$ Collisions at 500 GeV/c

- Alverson 93 Phys. Rev. D48:5, 1993; FERMILAB-PUB-93-007-E;
Production of Direct-Photons and Neutral Mesons at Large Transverse Momenta by π^- and p Beams at 500 GeV/c
- Alverson 93B Phys. Rev. D49:3106, 1994; FERMILAB-PUB-93-284-E;
Structure of the Recoiling System in Direct-Photon and π^0 Production by π^- and p Beams at 500 GeV/c
- Alves 92 Phys. Rev. Lett. 69:3147, 1992; FERMILAB-PUB-92-208-E;
Feynman- x and Transverse Momentum Dependence of D^\pm and D^0, \bar{D}^0 Production in 250 GeV π^- Nucleon Interactions
- Alves 92B Phys. Rev. Lett. 70:722, 1993; FERMILAB-PUB-92-279-E;
Atomic Mass Dependence of D^\pm and D^0, \bar{D}^0 Production in 250 GeV π^\pm Nucleon Interactions
- Alves 93 Phys. Rev. D49:R4317, 1994; FERMILAB-PUB-93-081-E;
 $D^*(2010)^\pm$ Production in 250 GeV π^\pm N Interactions
- Alves 93B Phys. Rev. Lett. 72:812, 1994; FERMILAB-PUB-93-310-E;
Enhanced Leading Production of D^\pm and $D^*(2010)^\pm$ in 250 GeV π^\pm Nucleon Interactions
- Amaudruz 91 Phys. Rev. Lett. 66:2712, 1991; CERN-PPE-91-5;
The Gottfried Sum from the Ratio $F_2(n)/F_2(p)$
- Amaudruz 91B Z. Phys. C51:387, 1991; CERN-PPE-91-52;
Precision Measurement of the Structure Function Ratios $F_2(\text{He})/F_2(\text{deuteron}), F_2(\text{C})/F_2(\text{deuteron})$ and $F_2(\text{Ca})/F_2(\text{deuteron})$
- Amaudruz 91C Z. Phys. C53:73, 1992; CERN-PPE-91-147;
Precision Measurement of Structure Function Ratios for ${}^6\text{Li}, {}^{12}\text{C}$ and ${}^{40}\text{Ca}$
- Amaudruz 91D Nucl. Phys. B370:3, 1992; CERN-PPE-91-167;
The Ratio of $F_2(n)/F_2(p)$ in Deep Inelastic Muon Scattering
- Amaudruz 91E Nucl. Phys. B371:553, 1992; CERN-PPE-91-198;
Ratio of $J/\psi(1S)$ Production Cross Sections in Deep Inelastic Muon Scattering from Sn and Carbon
- Amaudruz 91F Z. Phys. C54:239, 1992; CERN-PPE-91-228;
Transverse Momentum Distributions for Exclusive ρ^0 Muoproduction
- Amaudruz 92 Phys. Lett. 294B:120, 1992; CERN-PPE-92-134;
Measurements of $R_d - R_p$ and $R_{Ca} - R_C$ in Deep Inelastic Muon Scattering
- Amaudruz 92B Phys. Lett. 295B:159, 1992; CERN-PPE-92-124;
Proton and Deuteron F_2 Functions in Deep Inelastic Muon Scattering
- Amaudruz 95 Nucl. Phys. B441:3, 1995;
A Re-Evaluation of the Nuclear Structure Function Ratios for deuteron, He, ${}^6\text{Li}$, C and Ca
- Ambrosio 95 Phys. Rev. D52:3793, 1995;
Vertical Muon Intensity Measured with MACRO at the Gran Sasso Laboratory
- Ameeva 91 JINR-P1-91-545;
Formation of Light Fragments of Oxygen Nucleus in ${}^{16}\text{O}$ p Interactions at Momentum 3.1 A GeV/c
- Ameeva 92 Yad. Phys. 55:425, 1992; Sov. J. Nucl. Phys. 55:234, 1992;
Estimate of Nuclear Fireball Baryon Charge on the Basis of 4.2 GeV/Nucleon Data on Ne + AgBr Interactions
- Ameeva 94 Kr. Soob. JINR 68:43, 1994;
The Relativistic Projectile Nuclei Fragmentation and A -Dependence of Nucleon Fermi Momenta
- Amelin 91 Yad. Phys. 54:1021, 1991; ITEP-91-41;
Scaling Properties of π^- -Meson Spectra in π^- Ne Interactions at the Initial Momentum 6.2 GeV/c
- Amelin 92 Yad. Phys. 55:2945, 1992; ITEP-92-21;
Polarization of Λ -Hyperons in $\pi^+ p$ Interactions at 4.2 GeV/c
- Amelin 93 Yad. Phys. 56-10:1, 1993;
Helium Isotope Emission in Stopped- π^- Absorption by ${}^6\text{Li}, {}^7\text{Li}$ Nuclei
- Amelin 94 Z. Phys. C66:71, 1995; IFVE-94-91;
Study of the Decay $f_1(1285) \rightarrow \rho^0 \gamma$
- Amelin 95 Z. Phys. C70:71, 1996; IFVE-95-71;
Partial-Wave Analysis of the Reaction $\pi^- p \rightarrow \pi^+ \pi^- \pi^0 n$ at $p_{\pi^-} = 36$ GeV/c
- Amelin 95B Phys. Lett. 356B:595, 1995; IFVE-95-78;
Study of Resonance Production in Diffractive Reaction $\pi^- \text{nucleus} \rightarrow \pi^+ \pi^- \pi^- \text{nucleus}$
- Amelin 95C Yad. Phys. 59:1021, 1996; IFVE-95-112;
Study of Diffractive Reaction $\pi^- A \rightarrow \eta \eta \pi^- A$ at the Momentum $P_{\pi^-} = 37$ GeV/c
- Amenomori 92 Phys. Rev. Lett. 69:2468, 1992;
Search for Steady Emission of 10-TeV Gamma Rays from the Crab Nebula, Cygnus X-3, and Hercules X-1 Using the Tibet Air Shower Array
- Amenomori 93 Phys. Rev. D47:2675, 1993; ICRR-291-93-3;
Cosmic-Ray Deficit from the Directions on the Moon and the Sun Detected with the Tibet Air-Shower Array
- Ammar 91 Phys. Rev. D45:3976, 1992; CLNS-91-1123; CLEO-91-10;
The Electronic Branching Ratio of the Tau Lepton
- Ammar 91B Phys. Rev. D44:3383, 1991; CLNS-91-1058; CLEO-91-2;
Unusual Decay Modes of D^0 and D^+ Mesons
- Ammar 93 Phys. Rev. Lett. 71:674, 1993; CLNS-93-1212; CLEO-93-06;
Evidence for Penguins: First Observation of $B \rightarrow K^*(892) \gamma$
- Ammar 93B Phys. Rev. D49:5701, 1994; CLNS-93-1258; CLEO-93-21;
Search for B^0 Decays to Two Charged Leptons
- Ammar 95 Phys. Rev. Lett. 74:3534, 1995; CLNS-94-1305; CLEO-94-23;
New Decay Modes of the Λ_c^+ Charmed Baryon
- Ammosov 90 Yad. Phys. 53:986, 1991; IFVE-90-94;
Study of Interference Correlation Effects for Identical Particles in Neutrino-Nucleus Interactions
- Ammosov 90B Yad. Phys. 53:999, 1991; IFVE-90-97;
Search for Prompt Neutrino Production in p nucleus Interactions at 70 GeV in SCAT Bubble Chamber
- Ammosov 92 Yad. Phys. 55:1000, 1992;
Emission of Charged Particles with Kinetic Energies up to 30 MeV/Nucleon in Interactions of Muon Neutrino with Heavy Nuclei in Emulsion
- Ammosov 92B Fiz. Elem. Chastits At. Yadra 23:648, 1992;
Study of Neutrino Interaction on Bubble Chamber SKAT

- Ammosov 93 Pisma Zh. Eksp. Teor. Fiz. 58:241, 1993; IFVE-93-91;
Observation of $\Sigma_c(2530)^{++}$ Production in Neutrino Interactions on Bubble Chamber SKAT
- Amos 91 FERMILAB-FN-562;
Elastic $\bar{p} p$ Scattering at $\sqrt{s} = 1.8$ TeV
- Amos 91B Phys. Rev. Lett. 68:2433, 1992; FERMILAB-PUB-91-267;
Measurement of ρ , the Ratio of the Real to Imaginary Part of the $\bar{p} p$ Forward Elastic Scattering Amplitude, at $\sqrt{s} = 1.8$ TeV
- Amos 92 Nuovo Cim. 106A:123, 1993; FERMILAB-PUB-92-203;
Antiproton-Proton Elastic Scattering at $\sqrt{s} = 1020$ GeV
- Amos 92B Phys. Lett. 301B:313, 1993; FERMILAB-PUB-92-377-E;
Diffraction Dissociation in $\bar{p} p$ Collisions at $\sqrt{s} = 1.8$ TeV
- Amroun 94 Nucl. Phys. A579:369, 1994; DAPNIA-SPHN-94-05; PCFF-RI-9403;
 ^3H and ^3He Electromagnetic Form Factors
- Amroyan 93 Yad. Phys. 56-1:4, 1993;
Nuclear Reactions in Ta Target Bombarded by Bremsstrahlung Photons
- Amroyan 93B Yad. Phys. 56-1:13, 1993;
Characteristics of Recoil Nuclei in Photospallation of Ta
- Amroyan 93C Yad. Phys. 56-6:9, 1993;
Photoproduction of ^{24}Na Nuclei in Targets between Al and Ta
- Amsler 91 Ann. Rev. Nucl. Part. Sci. 41:219, 1991; CERN-PPE-91-29;
Low Energy Antiproton Physics
- Amsler 91B Sov. J. Nucl. Phys. 55:767, 1992; CERN-PPE-91-188;
Recent Results from the Crystal Barrel Experiment
- Amsler 92B Phys. Lett. 291B:347, 1992; CERN-PPE-92-114;
Proton-Antiproton Annihilation into $\eta \eta \pi$ — Observation of a Scalar Resonance Decaying into $\eta \eta$
- Amsler 92C Phys. Lett. 294B:451, 1992; CERN-PPE-92-147;
The Pseudoscalar Mixing Angle Θ_{PS} from η and η' Production in $p \bar{p}$ Annihilation at Rest
- Amsler 92D Phys. Lett. 297B:214, 1992; CERN-PPE-92-176;
 P - Versus S - Wave $\bar{p} p$ Annihilation at Rest in LH_2
- Amsler 93 Z. Phys. C58:175, 1993; CERN-PPE-93-11;
Antiproton-Proton Annihilation at Rest into Two-Body Final States
- Amsler 93B Phys. Lett. 319B:373, 1993; CERN-PPE-93-178;
Protonium Annihilation into $K_L K_S \pi^0$ and $K_L K_S \eta$
- Amsler 93C Phys. Lett. 311B:362, 1993; CERN-PPE-93-74;
Antiproton-Proton Annihilation at Rest into $\omega \pi^0 \pi^0$
- Amsler 93D Phys. Lett. 311B:371, 1993; CERN-PPE-93-103;
Radiative Protonium Annihilation into $\gamma \gamma$, $\gamma \pi^0$, $\gamma \eta$, $\gamma \omega$ and $\gamma \eta'$
- Amsler 94 Phys. Lett. 322B:431, 1994;
Observation of a Scalar Resonance Decaying to $\pi^+ \pi^- \pi^0 \pi^0$ in $\bar{p} p$ Annihilation at Rest
- Amsler 94B Yad. Phys. 57:1542, 1994;
Physics with Crystal Barrel: New Mesons in $\bar{p} p$ Annihilation
- Amsler 94C Yad. Phys. 57:1672, 1994;
Pontecorvo Reactions in \bar{p} deuteron Annihilation at Rest
- Amsler 94D Yad. Phys. 57:1782, 1994;
 η -Decay Branching Ratio
- Amsler 94E Yad. Phys. 57:1572, 1994;
Search for Hybrids
- Amsler 94F Phys. Lett. 327B:425, 1994;
Study of $\bar{p} p$ Annihilation at Rest into $\omega \eta \pi^0$
- Amsler 94G Phys. Lett. 333B:271, 1994; CERN-PPE-94-078;
Search for a New Light Gauge Boson in Decays of π^0 and η
- Amsler 94H Phys. Lett. 333B:277, 1994;
Observation of a New $I^G(J^{PC}) = 1^-(0^{++})$ Resonance at 1450 MeV
- Amsler 94I Phys. Lett. 340B:259, 1994;
 $\eta \eta'$ Threshold Enhancement in $\bar{p} p$ Annihilations into $\pi^0 \eta \eta'$ at Rest
- Amsler 94J Nuovo Cim. 107A:1815, 1994;
New Results from Crystal Barrel
- Amsler 95 Phys. Lett. 342B:433, 1995;
High-Statistical Study of $F(1500)^0$ Decay into $\pi^0 \pi^0$
- Amsler 95B Phys. Lett. 346B:203, 1995;
 η -Decays into Three Pion
- Amsler 95C Phys. Lett. 346B:363, 1995;
Observation of Radiative $\bar{p} p$ Annihilation into a ϕ Meson
- Amsler 95D Phys. Lett. 352B:187, 1995;
First Observation of the Production of Nucleon Resonances in Antiproton Annihilation in Liquid Deuterium
- Amsler 95E Phys. Lett. 355B:425, 1995;
Coupled Channel Analysis of $\bar{p} p$ Annihilation into $\pi^0 \pi^0 \pi^0$, $\pi^0 \eta \eta$ and $\pi^0 \pi^0 \eta$
- Amsler 95F Phys. Lett. 358B:389, 1995;
 E Decays to $\eta \pi \pi$ in $\bar{p} p$ Annihilation at Rest
- Amsler 95G Z. Phys. A351:325, 1995;
First Observation of Pontecorvo Reactions with a Recoiling Neutron
- Amsler 95H Phys. Lett. 353B:571, 1995;
High Statistics Study of $f_0(1525)$ Decay into $\eta \eta$
- Ananieva 92 Kr. Soob. JINR 54:5, 1992;
On the Observation of Hybrid Resonance States 1^{-+} and 1^{++} in the Diffractively Produced 3π System
- Andersen 92 Phys. Rev. C46:727, 1992;
Target Dependence of Central Rapidity Λ Production in Sulfur-Nucleus Collisions at 200 GeV/c per Nucleon
- Andersen 92B Nucl. Phys. A544:309, 1992; LBL-31620;
Results from CERN Experiment NA36 on Strangeness Production
- Andersen 92C Phys. Lett. 294B:127, 1992; LBL-32438;
Strangeness Production at Mid-Rapidity in S+Pb Collisions at 200 GeV/c per Nucleon

- Andersen 93 Phys. Lett. 316B:603, 1993;
Multiplicity Dependence of Strangeness Production in S+Pb Collisions at 200 GeV/c per Nucleon
- Andersen 94 Nucl. Phys. A566:217c, 1994;
Results from the NA36 Experiment on the Production of Strangeness $|S| = 1$ and $|S| = 2$ Particles
- Andersen 94B Nucl. Phys. A566:487c, 1994;
Strangeness Production in p+Pb Reactions at 200 GeV/c
- Andersen 94C Phys. Lett. 327B:433, 1994;
Production of Λ , $\bar{\Lambda}$, and Ξ^- , $\bar{\Xi}^+$ Particles in S+Pb Collisions at 200 GeV/c per Nucleon
- Andersen 95 Nucl. Phys. A590:291c, 1995;
Recent Results from the NA36 Experiment
- Andivahis 93 Nucl. Phys. A553:713, 1993; SLAC-PUB-5867;
Measurements of the Nucleon Form-Factors at Large Momentum Transfers
- Andivahis 94 Phys. Rev. D50:5491, 1994; SLAC-PUB-6462;
Measurements of the Electric and Magnetic Form-Factors of the Proton from $Q^2 = 1.75$ to 8.83 GeV/c²
- Ando 90 Phys. Lett. 291B:496, 1992; KEK-90-65;
Experimental Study of the Axial-Vector Resonances of $a_1(1260)$ and $h_1(1170)$ in the $\pi^- p$ Charge Exchange Reaction
- Andreae 92 Phys. Rev. Lett. 69:1923, 1992;
Absolute Frequency Measurement of the Hydrogen $1s-2s$ Transition and a New Value of the Rydberg Constant
- Andreazza 95 Nucl. Phys. B, Proc. Suppl B40:321, 1995;
 τ^\pm Lifetime with the Impact Parameter Difference Method
- Andreev 92 Yad. Phys. 55:1275, 1992;
Multiplicity of Secondary Charged Particles from 6 GeV/c Antineutron Interactions on Tantalum
- Andreev 94 Phys. Rev. C50:15, 1994;
Experimental Study of the Reaction $p p \rightarrow p p \pi^0$ in the Energy Region 600 – 900 MeV
- Andreeva 92 Yad. Phys. 55:1010, 1992; Sov. J. Nucl. Phys. 55:569, 1992;
Characteristics of the Total Ag, Br Nuclei Disintegration by ^{22}Ne and ^{28}Si Nuclei with 4.1 – 4.5 A GeV/c Momentum
- Andreeva 95B Yad. Phys. 58:1024, 1995;
Peculiarities of Characteristics of Interactions of Relativistic Nuclei with Nuclei AgBr
- Andronenko 94 Z. Phys. A350:1, 1994;
Isotopic Ratios of Intermediate Mass Fragments Produced in $p + A$ Reactions at 1 GeV
- Andryakov 91 Yad. Phys. 53:423, 1991;
Correlation between Charged and Neutral Pions in $\pi^- p \rightarrow p \pi^- \pi^- \pi^+ \pi^0$ Reaction at 4 GeV/c Momentum
- Andryakov 92 Nucl. Phys. A556:409, 1993; LNF-92-030-P;
Strange Particle Production in \bar{p} Xe Annihilation at Rest and at 0.4 – 0.9 GeV/c
- Angelis 91 Nucl. Phys. B348:1, 1991; PRINT-90-0537-MICHIGAN-STATE; CERN-PRE-90-044;
A Study of Massive Electron Pairs and Associated Particles Produced at the CERN ISR
- Angelopoulos 92 Phys. Lett. 286B:180, 1992; CERN-PPE-92-32;
First Determination of CP Violation Parameter from $K^0 - \bar{K}^0$ Decay Asymmetry
- Angelov 91 Kr. Soob. JINR 47:27, 1991;
Intermittency Effect in Cluster Nuclear Interactions
- Angelov 92 Kr. Soob. JINR 51:14, 1992;
Clusterization of Secondary Particles in Cumulative Hadron and Nucleus-Nucleus Interactions
- Angelov 92B Yad. Phys. 55:2953, 1992;
Clusterization of Secondaries in Nuclear Interactions with Production of Strange and Cumulative Hadrons
- Angelov 94 Kr. Soob. JINR 65:40, 1994;
Clusterization in Processes of Multiparticle Production in Nuclei. Two-Cluster Correlations
- Anghinolfi 93 Phys. Rev. C47:R922, 1993;
Behavior of the Be and C Total Photonuclear Cross Section in the Nucleon Resonance Region
- Anghinolfi 95 Jour. of Phys. G 21:L9, 1995;
Inclusive Electron Scattering from an Oxygen and Argon Jet Target
- Anikeev 95 Z. Phys. C70:39, 1996; IFVE-95-50;
Total Cross Section Measurements for ν_μ , $\bar{\nu}_\mu$ Interactions in 3 – 30 GeV Energy Range with IHEP-JINR Neutrino Detector
- Anikeev 91 IFVE-91-139;
Search for Light Neutral Scalar and Pseudoscalar Particles in p Fe Interactions at 70 GeV
- Anikina 95 JINR-E1-95-311;
A Measurement of the Expansion Velocity of Pion Production Volume
- Anisimov 95 Kr. Soob. JINR 73:31, 1995;
Measurement of the Tensor Analysing Power for the Reaction of Fragmentation of Tensor Polarized Deuterons with Momenta from 6.2 to 9.0 GeV/c into Cumulative Mesons
- Anisovich 94 Phys. Lett. 323B:233, 1994;
Observation of Two $J^{PC} = 0^{++}$ Isoscalar Resonances at 1365 and 1520 MeV
- Anisovich 95 Phys. Lett. 355B:363, 1995;
Two-Resonance Structure of the $IJ^{PC} = 0^{++} \pi \pi$ Amplitude in Mass Region around 1 GeV
- Anjos 90 Phys. Rev. D43:R635, 1991; FERMILAB-PUB-90-183-E;
Some Cabibbo-Suppressed Decays of the D^0 Meson
- Anjos 91 Phys. Rev. D43:R2063, 1991;
Study of the Decay $D_s^+ \rightarrow \eta' \pi^+$
- Anjos 91B Phys. Rev. D44:R3371, 1991; FERMILAB-PUB-91-147;
Measurement of the Decay $D^0 \rightarrow \pi^- \pi^+$ and $D^0 \rightarrow K^+ K^-$
- Anjos 91C Phys. Rev. Lett. 67:1507, 1991; FERMILAB-PUB-91-151;
A Study of the Decay $D^+ \rightarrow K^0 e^+ \nu_e$
- Anjos 91D Phys. Rev. Lett. 69:2892, 1992; FERMILAB-PUB-91-331;
Study of the Doubly Cabibbo-Suppressed Decay $D^+ \rightarrow \phi K^+$ and the Singly Cabibbo-Suppressed Decay $D_s^+ \rightarrow \phi K^+$
- Anjos 92 Phys. Rev. D46:R1, 1992; FERMILAB-PUB-92-80;
Experimental Probes of Final State Interactions in D^0 Meson Decays

- Anjos 92B Phys. Rev. D45:R2177, 1992;
Study of the Decay $D^+ \rightarrow \bar{K} \pi \pi e^+ \nu_e$ and $D^+ \rightarrow \bar{K}^*(892) \pi e^+ \nu_e$
- Anjos 92C Phys. Rev. D48:56, 1993; FERMILAB-PUB-92-284-E;
A Dalitz Plot Analysis of $D \rightarrow K \pi \pi$ Decays
- Anjos 92D Phys. Rev. D46:1941, 1992;
Study of the Decay $D \rightarrow K 3\pi$
- Anklin 94 Phys. Lett. 336B:313, 1994;
Precision Measurement of the Neutron Magnetic Form Factor
- Annand 93 Phys. Rev. Lett. 71:2703, 1993;
High Resolution Measurements of $^{12}\text{C}(\gamma, n)$ and the Implications for the $(\gamma, \text{nucleon})$ Reaction Mechanism at Intermediate Energy
- Anne 94 Nucl. Phys. A575:125, 1994;
Exclusive and Restricted-Inclusive Reactions Involving the ^{11}Be One-Neutron Halo
- Anselmann 92 Phys. Lett. 285B:376, 1992;
Solar Neutrinos Observed by GALLEX at Gran Sasso
- Anselmann 92B Phys. Lett. 285B:390, 1992;
Implication of the GALLEX Determination of the Solar Neutrino Flux
- Anselmann 93 Phys. Lett. 314B:445, 1993;
GALLEX Solar Neutrino Observations. The Results from GALLEX-I and Early Results from GALLEX-II
- Anselmann 94 Phys. Lett. 327B:377, 1994; LNGS-94-89;
GALLEX Results from the First 30 Solar Neutrino Runs
- Anselmann 95 Phys. Lett. 342B:440, 1995; DAPNIA-SPP-94-40; GX-65-1994; LNGS-94-111; MPI-H-V30-1994; ROM2F-94-47;
First Results from the ^{51}Cr Neutrino Source Experiment with the GALLEX Detector
- Anselmann 95B Phys. Lett. 361B:235, 1995; Phys. Lett. 357B:237, 1995;
GALLEX Solar Neutrino Observations: Complete Results for GALLEX II
- Anthony 93C Phys. Rev. Lett. 71:959, 1993; DAPNIA-SPHN-93-16; SLAC-PUB-6101;
Determination of the Neutron Spin Structure Function
- Anthony 95 Phys. Rev. Lett. 75:1949, 1995; SLAC-PUB-95-6796; LBL-37178;
An Accurate Measurement of the Landau-Pomeranchuk-Migdal Effect
- Antinori 95 Phys. Lett. 353B:589, 1995; CERN-PPE-95-33;
A Further Study of the Centrally Produced $\pi^+ \pi^-$ and $\pi^+ \pi^- \pi^+ \pi^-$ Channels in $p p$ Interactions at 300 GeV/c and 450 GeV/c
- Antipov 90 Yad. Phys. 53:1314, 1991; IFVE-90-168;
Search for Dibaryon Resonances Produced in Target Fragmentation Region with Emission of Strummer Particle Pairs in $\pi^- \text{Be}$ Interactions at 43 GeV/c
- Antipov 90C Yad. Phys. 53:439, 1991; IFVE-90-51;
Inclusive Cross-Section of Cumulative Proton Production in $\pi^-(K^-, \bar{p}) \text{Be, Al, Cu, Pb}$ Interactions at 40 GeV/c
- Antipov 90E Yad. Phys. 53:1324, 1991; IFVE-90-167;
Search for Dibaryon Resonances in Processes with Cumulative Protons Emitted from $\pi^- \text{Be}$ Interactions at 40 GeV/c
- Antipov 92 Nucl. Phys. A536:637, 1992;
Cross Sections of Backward Proton Production in 40 GeV/c $\pi^-(K^-, \bar{p}) \text{A}$ Interactions
- Antipov 93 Yad. Phys. 56-9:157, 1993; IFVE-93-12;
Diffractive Excitation of Be Nucleus by 40 GeV/c Pions Accompanied by Proton Emissions into Backward Hemisphere
- Antipov 93B Yad. Phys. 57:106, 1994; IFVE-93-52;
Cumulative Protons Production Accompanied by Fast ρ^0 -Mesons in 40 GeV/c $\pi^- \text{A}$ Interactions
- Antipov 95 Yad. Phys. 58:863, 1995;
Study of Fast p, \bar{p} Yields in $\pi^- \text{Be}$ Interaction at 40 GeV/c with Cumulative Particle Production
- Anton 92 BONN-IR-93-23;
Photoproduction of η Mesons
- Antonelli 92 Z. Phys. C56:15, 1992; LAL-92-08;
Measurement of the $e^+ e^- \rightarrow \pi^+ \pi^- \pi^0$ and $e^+ e^- \rightarrow \omega \pi^+ \pi^-$ Reactions in the Energy Interval 1350 - 2400 MeV
- Antonelli 93 Phys. Lett. 301B:317, 1993; LNF-92-097-P;
A New Measurement of $J/\psi(1S) \rightarrow n \bar{n}$
- Antonelli 93B Phys. Lett. 313B:283, 1993; LNF-93-031-P;
First Measurement of the Neutron Electromagnetic Form Factor in the Timelike region
- Antonelli 94 Phys. Lett. 334B:431, 1994; LNF-94-032-P;
Measurement of the Electromagnetic Form Factor of the Proton in the Timelike Region
- Antoniazzi 92 Phys. Rev. Lett. 70:383, 1993; FERMILAB-PUB-92-140-E;
Production of $J/\psi(1S)$ via $\psi(2S)$ and χ Decay in 300 GeV/c Proton and π^\pm Nucleon Interaction
- Antoniazzi 92B Phys. Rev. D46:4828, 1992; FERMILAB-PUB-92-141-E;
A Measurement of $J/\psi(1S)$ and $\psi(2S)$ Production in 300 GeV/c Proton, Antiproton and π^\pm Nucleon Interactions
- Antoniazzi 94 Phys. Rev. D49:543, 1994; FERMILAB-PUB-93-083-E;
Production of χ Charmonium via 300 GeV/c Pion and Proton Interactions on a Lithium Target
- Antoniazzi 94B Phys. Rev. D50:4258, 1994; FERMILAB-PUB-92-265-E;
Search for Hidden Charm Resonance States Decaying into $J/\psi(1S)$ or $\psi(2S)$ Plus Pions
- Antonov 94 Izv. Akad. Nauk SSSR, Fiz. 58-12:174, 1994;
Primary Cosmic Ray Energy Spectrum and Spatial-Temporal Characteristics of EAS Cherenkov Light According to TACT Telescope Measurements
- Antonov 95 Astropart. Phys. 3:231, 1995;
The New Tien-Shan Atmospheric Cerenkov Telescope (TACT). Contemporary Status: All-Particle Spectrum Measured
- Antonov 95B Vestn. of Moscow Univ. Fiz., Astr. 36-2:33, 1995;
Energy Spectrum of Primary Cosmic Ray at Energies 100 - 2000 TeV Measured with TACT Array
- Antos 93 Z. Phys. C59:547, 1993; CERN-PPE-93-36;
Soft Photon Production in 450 GeV/c $p \text{Be}$ Collisions
- Antos 94 FERMILAB-CONF-94-374-E;
Search for Top Quark at CDF

- Antreasyan 91 DESY-91-076;
Search for D^0 and B^0 Decays into $\pi^0 \pi^0$
Phys. Lett. 259B:216, 1991; SLAC-PUB-5403; DESY-91-001; HEN-334;
Measurements of the Branching Ratios for the Decays $\tau^\pm \rightarrow$ hadron $\pi^0 \nu$ and $\tau^\pm \rightarrow$ hadron $\pi^0 \pi^0 \nu$
FERMILAB-CONF-94-145-E; CDF-PUB-BOTTOM-PUBLIC-2522;
Limit on the Rare Decay $B \rightarrow \mu^+ \mu^- K^\pm$
FERMILAB-CONF-95-201-E; CDF-PUB-BOTTOM-PUBLIC-3248;
Limits on Rare B Decays $B \rightarrow \mu^+ \mu^- K^\pm$ and $B \rightarrow \mu^+ \mu^- K^*(892)^0$
Prog. of Theor. Phys. 85:951, 1991; DPNU-91-06; KEK-91-60;
Evidence of Weak Decay of Heavy Double Hypernuclei
Prog. of Theor. Phys. 87:1305, 1992; CERN-PPE-91-220;
Charm Production by 350 GeV/c π^- Interaction in Nuclear Emulsion
Prog. of Theor. Phys. 87:1315, 1992; Prog. of Theor. Phys. 88:621, 1992; CERN-PPE-91-221;
Hadroproduction of $D \bar{D}$ Pairs in the Interaction of 350 GeV/c π^- Mesons with Nuclei
Prog. of Theor. Phys. 85:1287, 1991; KEK-91-59; DPNU-91-26;
Direct Observation of Sequential Weak Decay of a Double Hypernucleus
Prog. of Theor. Phys. 89:131, 1993; CERN-PPE-92-157;
The First Observation of the Muonic Decay $D_s^\pm \rightarrow \mu^\pm \nu_\mu$
Phys. Rev. Lett. 69:2345, 1992;
Measurement at 0° of Negatively Charged Particles and Antinuclei Produced in Collision of 14.6 A GeV/c
Si on Al, Cu, and Au Targets
Nucl. Phys. A544:603c, 1992;
 \bar{p} and deuteron in Relativistic Heavy Ion Collisions: Results of BNL-B858
Prog. of Theor. Phys. 89:493, 1993; KEK-91-104;
Production of Two Single- Λ Hypernuclei by Ξ^- Capture
Phys. Rev. D50:69, 1994; KEK-93-181;
Search for Right-Handed Currents in the Decay Chain of $K^+ \rightarrow \mu^+ \nu_\mu, \mu^+ \rightarrow e^+ \nu_e \bar{\nu}_\mu$
Nuovo Cim. 108A:1125, 1995; CERN-PPE-95-073;
Charged Particle Multiplicity and Transverse Energy Measured in ^{228}S Central Interactions at 200 GeV
per Nucleon
Phys. Lett. 355B:45, 1995;
Production of Twin Single Hypernuclei and the Ξ^- Nuclear Interaction
Phys. Lett. 74:497, 1995;
Measurement of the Tensor Analyzing Power T_{20} for deuteron $+ ^{12}\text{C} \rightarrow p(0^\circ) + X$ in the Region of High
Internal Momenta in the Deuteron
Phys. Lett. 314B:246, 1993;
Study of the $\eta \pi^-$ System in the $\pi^- p$ Reaction at 6.3 GeV/c
Nuovo Cim. 107A:1925, 1994;
New Results on Spectroscopy from BENKEI
LEBD-92-45;
On the Interaction of α -Particles with Iron Nucleus at the Energy of 100 TeV/Nucleon
Kr. Soob. Fiz. 93-11-9, 1993;
On the Interaction of Alpha-Particles with Iron Nucleus at the Energy of 100 TeV/Nucleon
Izv. Akad. Nauk SSSR, Fiz. 58-12:32, 1994;
Study of Interactions of High Energy Primary Cosmic Nuclei with Pb and Fe Nuclei in x -Ray Emulsion
Chambers in the Stratosphere
Yad. Phys. 56-3:82, 1993; JINR-P1-92-351;
Spin Asymmetry of Cumulative Protons in π^- deuteron $\rightarrow p(90^\circ) X$ and K^- deuteron $\rightarrow p(90^\circ) X$ Reactions
at 40 GeV/c
Nucl. Phys. A527:581, 1991;
Hard Exclusive Hadron Nucleon Scattering and Color Transparency
Ann. Rev. Nucl. Part. Sci. 42:367, 1992; FERMILAB-PUB-92-49;
FERMILAB-CONF-94-347-E;
Hadroproduction of Charm Particles
Appel 94
New Preliminary Results on the Physics of Charm Hadroproduction Subprocesses
Nucl. Phys. A566:507c, 1994;
Strangelet Search in S Wt Collisions at 200 A GeV/c
Nucl. Phys. A590:347c, 1995;
First Look at NA52 Data on Pb-Pb Interactions at 158 GeV/c per Nucleon
Z. Phys. C50:179, 1991; CERN-PPE-90-115;
Separation of Minimum and Higher Twist in Photoproduction
Z. Phys. C52:397, 1991;
Inclusive Production of π^0 -Mesons in $\pi p, K p$ and γp Collisions at Energies around 100 GeV
Z. Phys. C53:581, 1992; CERN-PPE-91-172;
Comparison of Photon and Hadron Induced Production of ρ^0 Mesons in the Energy Range of 65 to 175
GeV
Z. Phys. C54:185, 1992;
Inclusive Production of η -Meson in $\pi p, K p$ and γp Collisions at Energies around 100 GeV
Z. Phys. C56:185, 1992; CERN-PPE-92-135;
Production of $f_2(1270)$ and $f_0(975)$ Mesons by Photons and Hadrons of Energy 65 - 175 GeV
Z. Phys. C61:383, 1994; CERN-PPE-93-185;
Photo- and Hadro-Production of $\phi(1020), K^*(892)^0$ and $K^*(892)^0$ Mesons in the Energy Range 65 to 175
GeV
Nucl. Phys. A534:535, 1991;
Recoll Properties of Nuclei Produced in the Photopallation on ^{65}Cu
Nucl. Phys. A529:675, 1991;
Semi-Inclusive Spectra of Cumulative Protons in $\pi^- C$ Interactions at 5 GeV/c
Yad. Phys. 58:263, 1995;
Multifragmentation of Heavy Nuclei in the Bremsstrahlung Beam with $E_{max}(\gamma) = 1.85$ GeV
Nuovo Cim. 105A:883, 1992;
Study of Intermittency in hadron-hadron Collisions at $\sqrt{s} = 16.7$ GeV
Arena 92

- Arena 95 Nuovo Cim. 108A:417, 1995;
Semi-Inclusive Analysis of Multiparticle Production in hadron-hadron Collisions at $\sqrt{s} = 16.7$ GeV in Terms of Universal Multifractals
- Arends 91 Nucl. Phys. A526:479, 1991;
Photon-Induced Emission of Pions and Protons from Various Nuclei in the Δ -Resonance Region
- Arisaka 93 Phys. Rev. Lett. 70:1049, 1993;
Improved Upper Limit on the Branching Ratio $B(K_L \rightarrow \mu^\pm e^\pm)$
- Arisaka 93B Phys. Rev. Lett. 71:3910, 1993; BNL-49117;
Improved Sensitivity in a Search for the Rare Decay $K_L \rightarrow e^+ e^-$
- Arisawa 94 Nucl. Phys. B424:241, 1994;
Observation of Attenuation Behavior of Hadrons in Extremely High Energy Cosmic Ray Interactions: New Hadronic State?
- Armbruster 94 Phys. Lett. 348B:19, 1994;
Anomaly in the Time Distribution of Neutrinos from a Pulsed Beam Stop Source
- Armstrong 90C Phys. Rev. C43:1425, 1991; TRI-PP-90-21;
Radiative Muon Capture on Carbon, Oxygen and Calcium
- Armstrong 91 Z. Phys. C51:351, 1991; CERN-PPE-91-40;
Study of the Centrally Produced $\pi \pi$ and $K \bar{K}$ Systems at 85 and 300 GeV/c
- Armstrong 91B Phys. Rev. Lett. 68:1468, 1992; FERMILAB-PUB-91-299-E;
Precision Measurements of Charmonium States Formed in $\bar{p} p$ Annihilation
- Armstrong 91C Z. Phys. C54:371, 1992; CERN-PPE-91-219;
Study of the $\pi^+ \pi^- \gamma$ System Centrally Produced in the Reaction $p p \rightarrow p_f (\pi^+ \pi^- \gamma) p_s$ at 300 GeV/c
- Armstrong 91D Nucl. Phys. B373:35, 1992; FERMILAB-PUB-91-213-E;
Study of the $\chi_{c1}(1P)$ and $\chi_{c2}(1P)$ Charmonium States Formed in $\bar{p} p$ Annihilations
- Armstrong 91E Z. Phys. C52:389, 1991; CERN-PPE-91-93;
Study of the $\eta \pi^+ \pi^-$ System Centrally Produced in the Reaction $p p \rightarrow p_f (\eta \pi^+ \pi^-) p_s$ at 300 GeV/c
- Armstrong 92 Z. Phys. C56:29, 1992; CERN-PPE-92-94;
Further Study of the $f_1(1420)$ Meson in Central Production
- Armstrong 92B Phys. Rev. C47:1957, 1993; CERN-PPE-92-106;
Fission of Heavy Hypernuclei Formed in Antiproton Annihilation
- Armstrong 92C Phys. Rev. Lett. 69:2337, 1992; FERMILAB-PUB-92-186-E;
Observation of the 1P_1 State of Charmonium
- Armstrong 92D Phys. Rev. Lett. 70:1212, 1993; FERMILAB-PUB-92-244-E;
Measurement of the Proton Electromagnetic Form Factors in the Time-Like Region at 8.9 and 13.0 GeV²
- Armstrong 92E Phys. Rev. D47:772, 1993; FERMILAB-PUB-92-245-E;
Measurement of the $J/\psi(1S)$, $\psi(2S)$ Resonance Parameters in $\bar{p} p$ Annihilation
- Armstrong 92F Phys. Rev. C46:1094, 1992; TRI-PP-92-80;
Radiative Muon Capture on Al, Si, Mo, Sn and Pb
- Armstrong 92G Yad. Phys. 55:1568, 1992;
A New Measurement of the Proton Electromagnetic Form Factors in the Time-Like Region at High Energy
- Armstrong 92H Z. Phys. C58:257, 1993; CERN-PPE-92-219;
Study of the Centrally Produced $\omega \rho^0$ and $\omega \omega$ Systems in $p p$ Interactions at 300 GeV/c
- Armstrong 93 Phys. Lett. 307B:394, 1993; FERMILAB-PUB-93-101-E;
Evidence for $\eta \eta$ Resonances in Antiproton-Proton Annihilations at $2950 < \sqrt{s} < 3620$ MeV
- Armstrong 93B Phys. Lett. 307B:399, 1993; FERMILAB-PUB-93-102-E;
Production of the $f_2(1520)$ Resonance in Antiproton-Proton Annihilation at $\sqrt{s} = 2980$ and 3528 MeV
- Armstrong 93D Phys. Rev. D48:3037, 1993; FERMILAB-PUB-93-037-E;
Study of the Angular Distribution of the Reaction $\bar{p} p \rightarrow \chi_{c2}(1P) \rightarrow J/\psi(1S) \gamma \rightarrow e^+ e^- \gamma$
- Armstrong 93E Phys. Rev. Lett. 70:2988, 1993;
Measurement of the $\gamma \gamma$ Partial Width of the $\chi_{c2}(1P)$ Charmonium Resonance
- Armstrong 94 Yad. Phys. 57:1587, 1994;
Recent Results in Light Quark Meson Spectroscopy from FERMILAB Experiment E-760
- Armstrong 95 Phys. Rev. D52:4839, 1995; FERMILAB-PUB-95-092-E;
Study of the $\eta_c(1S)$ State of Charmonium Formed in $\bar{p} p$ Annihilations and a Search for the $\eta_c(2S)$
- Armutlijsky 91 JINR-P1-91-191;
Hadron Spectra in Hadron-Nucleus Collisions
- Arnaudon 93 Phys. Lett. 307B:187, 1993; CERN-PPE-93-053; CERN-SL-93-17; FSU-SCRI-94-12;
Measurement of the Mass of the Z^0 Boson and the Energy Calibration of LEP
- Arndt 91 Phys. Rev. D43:2131, 1991;
Pion-Nucleon Partial Wave Analysis to 2 GeV
- Arndt 92 Phys. Rev. D45:3995, 1992;
Nucleon-Nucleon Partial Wave Analysis to 1.6 GeV
- Arndt 93 Phys. Rev. C48:1926, 1993; Phys. Rev. C49:1229, 1994; VPICAPS-93-1;
Analysis of the Reaction π^+ deuteron $\rightarrow p p$ to 500 MeV
- Arndt 94 Phys. Rev. C50:2731, 1994; VPI-CAPS-7-2;
An Updated Analysis of nucleon nucleon Elastic Scattering Data to 1.6 GeV
- Arndt 95 Phys. Rev. C52:2120, 1995; VPI-CAPS-95-2;
Updated Analysis of π nucleon Elastic Scattering Data to 2.1 GeV: The Baryon Spectrum
- Arneodo 92 Phys. Rept. 240:301, 1994; CERN-PPE-92-113;
Nuclear Effects in Structure Functions
- Arneodo 93 Phys. Lett. 309B:222, 1993; CERN-PPE-93-73;
Quark and Gluon Distributions and α_S from Nucleon Structure Functions at Low x
- Arneodo 93B CERN-PPE-93-117;
A Re-Evaluation of $F_2(n)/F_2(p)$ and $F_2(p)-F_2(n)$
- Arneodo 94 Phys. Lett. 332B:195, 1994;
Quasielastic $J/\psi(1S)$ Muoproduction from Hydrogen, Deuterium, Carbon and Tin
- Arneodo 94B Nucl. Phys. B429:503, 1994; CERN-PPE-94-146;
Exclusive ρ^0 and $\phi(1020)$ Muoproduction at Large Q^2
- Arneodo 94C Phys. Rev. D50:R1, 1994; CERN-PPE-94-32;
A Re-Evaluation of F_2^n/F_2^p and $F_2^p - F_2^n$
- Arneodo 95 Nucl. Phys. B441:12, 1995; CERN-PPE-95-32;
The Structure Function Ratios F_2^{Li}/F_2^D and F_2^C/F_2^D at Small x

- Arneodo 95C Phys. Lett. 364B:107, 1995; CERN-PPE-95-138;
Measurement of the Proton and the Deuteron Structure Functions, F_2^p and F_2^D
- Arneodo 95D Nuovo Cim. 108A:1247, 1995;
Diffractive Production of Vector Mesons in Muon Scattering on Nucleons and Nuclei
- Arnold 95 Pisma Zh. Eksp. Teor. Fiz. 61:168, 1995;
Observation of Two Neutrino Double Beta Decay of ^{116}Cd with the Tracing Detector NEMO-2
- Arpesella 94 Eur. Lett. 27:29, 1994; LNGS-94-95;
Search for $\beta\beta$ Decay of ^{90}Zr and ^{150}Nd to Excited States of ^{96}Mo and ^{150}Sm
- Arrington 96 Phys. Rev. C53:2248, 1996;
Inclusive Electron Scattering from Nuclei at $x = 1$
- Arroyo 94 Phys. Rev. Lett. 72:3452, 1994; NEVIS-1498;
A Precise Measurement of the Weak Mixing Angle in Neutrino Nucleon Scattering
- Artemiev 91 Yad. Phys. 54:1485, 1991;
Search for $2\beta 2\nu$ Decay of ^{136}Xe in the Proportional-Drift Detector
- Artemiev 91B Phys. Lett. 280B:159, 1992; ITEP-91-34;
The Search for ^{136}Xe $2\beta 2\nu$ Decay at the Proportional-Drift Detector
- Artemiev 93 Pisma Zh. Eksp. Teor. Fiz. 58:256, 1993;
Observation of $2\beta 2\nu$ -Decay of ^{150}Nd in the Experiment with Time-Projection Chamber
- Artemiev 94 Phys. Lett. 345B:564, 1995; ITEP-94-66;
Observation of ^{150}Nd $2\beta 2\nu$ Decay in the Time Projection Chamber Experiment
- Artemiev 96 Yad. Phys. 59:10, 1996;
Half-Life Measurement $T_{1/2}$ ($2\beta 2\nu$ ^{150}Nd) in the Experiment with Time Projection Chamber in Magnetic Field
- Artemov 95 JINR-P1-95-330;
Determination of Formfactors Parameters λ^+ , λ^0 in $K_{\mu 3}$ -Decay
- Artuso 92 Phys. Rev. Lett. 69:3278, 1992; CLNS-92-1159; CLEO-92-07;
Measurement of τ^\pm Decays Involving η Mesons
- Artuso 93 Phys. Rev. D50:5484, 1994; CLEO-93-17; CLNS-93-1245;
Measurement of Cross-Section for $\gamma \gamma \rightarrow p \bar{p}$
- Artuso 94 Phys. Rev. Lett. 72:3762, 1994; CLNS-94-1281; CLEO-94-11;
A Measurement of the Branching Fraction $B(\tau^- \rightarrow \text{hadron}^- \pi^0 \nu_\tau)$
- Artuso 95 Phys. Rev. Lett. 75:785, 1995; CLNS-95-1331; CLEO-95-5;
A Search for $B \rightarrow \ell \bar{\nu}$
- Artuso 95B Phys. Lett. 378B:364, 1996; CLNS-95-1387; CLEO-95-23;
Measurement of the Branching Fraction for $D_s^- \rightarrow \phi \pi^-$
- Asai 92 Z. Phys. A344:335, 1992;
The Reaction $\gamma + \text{deuteron} \rightarrow \pi^+ + \pi^- + p + n$ between 570 and 850 MeV and $\Delta(1232 P_{33})^{++} \Delta(1232 P_{33})^-$ Production
- Asai 94 Phys. Lett. 323B:90, 1994; UT-ICEPP-93-09;
Search for Shortlived Neutral Bosons in Orthopositronium Decay
- Asai 95 Phys. Lett. 357B:475, 1995;
New Measurement of the Orthopositronium Decay Rate
- Asakimori 94 Jour. of Phys. G 20:1257, 1994;
Multiple-Photon Emission in Heavy Particle Decays
- Ashitkov 91 Izv. Akad. Nauk SSSR, Fiz. 55:744, 1991;
Muon Interaction Cross Section with Energy Transfer > 10 GeV in the 0.4 - 4 TeV Range
- Ashktorad 95 Nucl. Phys. A590:249c, 1995;
Recent Results from E866
- Ashman 91 Z. Phys. C52:361, 1991; CERN-PPE-91-53;
Forward Produced Hadrons in $\mu^- p$ and μ^- deuteron Scattering and Investigation of the Charge Structure of the Nucleon
- Ashman 91B Z. Phys. C52:1, 1991; CERN-PPE-91-60;
Comparison of Forward Hadrons Produced in Muon Interactions on Nuclear Targets and Deuterium
- Ashman 92 Z. Phys. C56:21, 1992; CERN-PPE-92-102;
Muoproduction of $J/\psi(1S)$ and the Gluon Distribution of the Nucleon
- Ashman 92B Z. Phys. C57:211, 1993; CERN-PPE-92-155;
A Measurement of the Ratio of the Nucleon Structure Function in Copper and Deuterium
- Aslanides 91 Nucl. Phys. A528:608, 1991; CRN-PN-91-01;
Search for Multibaryonic Resonances in the p deuteron $\rightarrow \pi^- X$ Reaction
- Asner 95 Phys. Rev. D53:1039, 1996; CLNS-95-1338; CLEO-95-8;
Search for Exclusive Charmless Hadronic B Decays
- Aso 95 KEK-95-19;
Charm Production in Two Photon Processes
- Aso 95B Phys. Lett. 363B:249, 1995; KEK-95-119;
Measurement of Charm Production in Two Photon Processes Using Inclusive Lepton Events at TRISTAN
- Asratyan 90 Phys. Lett. 257B:525, 1991; CERN-PPE-90-166;
Production of D_s^{*-} Mesons in Antineutrino-Neon Charged Current Interactions
- Asratyan 92 Z. Phys. C58:55, 1993; CERN-PPE-92-191;
Diffractive Production of Charmed Strange Mesons by Neutrinos and Antineutrinos
- Asratyan 94 Z. Phys. C61:563, 1994; CERN-PPE-93-190;
Observation of $D_{s1}(2536)^+$ Meson Production by Neutrinos in BEBC
- Asratyan 95 Z. Phys. C68:43, 1995; CERN-PPE-95-48;
Study of $D^*(2010)^+$ and Search for $D_2^*(2460)^0$ Production by Neutrinos in BEBC
- Assamagan 94 Phys. Lett. 335B:231, 1994; PSI-PR-94-19;
Measurement of the Muon Momentum in Pion Decay at Rest Using a Surface Muon Beam
- Assamagan 96 Phys. Rev. D53:6065, 1996; PSI-PR-95-28;
Upper Limit of the Muon-Neutrino Mass and Charged Pion Mass from Momentum Analysis of a Surface Muon Beam
- Astabatyan 91 Vopr. At. Nauki i Techn. ser. Yad. 23:65, 1991;
Some Results on Photofragmentation of Nuclei
- Aston 91 SLAC-PUB-5657;
Production of the $\rho(1300)$ in the Reaction $K^- p \rightarrow \pi^+ \pi^- \Lambda$ at 11 GeV/c

Aston 91B

Avakyan 91D

- Aston 91B SLAC-PUB-5682;
The Strange 0^{++} and 2^{++} Radial Excitations: A Review of LASS Data
- Aston 91C SLAC-PUB-5722;
Recent Result on $K \omega$ and $\pi \pi$ Systems from LASS
- Aston 92 SLAC-PUB-5721;
 $J^P = 1^-$ Radial Excitations from LASS Data
- Aston 92B SLAC-PUB-5634;
New Results in the Partial Wave Analysis of the $K^- \omega$ System in the Reaction $K^- p \rightarrow K^- \pi^+ \pi^- \pi^0 p$
- Aston 93 Phys. Lett. 308B:186, 1993; SLAC-PUB-6031;
Evidence for Two $J^P = 2^-$ Strange Meson States in the $K_2(1770)$ Region
- Aston 94 SLAC-PUB-5606;
Evidence for $\rho(1300)$ in the Reaction $K^- p \rightarrow \pi^+ \pi^- \Lambda$ at 11-GeV/c
- Astone 91 Z. Phys. C50:21, 1991;
Evaluation and Preliminary Measurement of the Interaction of a Dynamical Gravitational near Field with Cryogenic Gravitational Wave Antenna
- Astone 93 Phys. Rev. D47:362, 1993;
Long-Term Operation of the Rome "Explorer" Cryogenic Gravitational Wave Detector
- Astone 93B Phys. Rev. D47:4770, 1993; LNF-92-101-P;
Upper Limit for Nuclearite Flux from the Rome Gravitational Wave Resonant Detectors
- Astur 93 FERMILAB-CONF-93-047-E;
Inclusive Jet Cross Sections at the D0 Detector
- Atayan 90 Z. Phys. C50:353, 1991; HEN-331-90; CERN-PRE-90-080;
A Study of Double Pomeron Exchange in $\pi^+ p$ and $K^+ p$ Interactions at 200 GeV/c
- Atayan 91 Z. Phys. C54:247, 1992; HEN-344;
 π^0 and η Meson Production in $\pi^+ p$ and $K^+ p$ Collision at 250 GeV/c
- Athanas 94 Phys. Rev. Lett. 73:3505, 1994; CLNS-94-1286; CLEO-94-16;
Semileptonic Branching Fractions of Charged and Neutral B Mesons
- Athanasopou 95 Phys. Rev. Lett. 75:2650, 1995;
Candidate Events in a Search for $\bar{\nu}_\mu \rightarrow \bar{\nu}_e$ Oscillations
- Atiya 91 TRI-PP-91-51;
Recent Results on Rare K^+ Decays from BNL E787
- Atiya 91B Phys. Rev. Lett. 66:2189, 1991;
Upper Limit on the Branching Ratio for the Decay $\pi^0 \rightarrow \nu \bar{\nu}$
- Atiya 92 Phys. Rev. Lett. 70:2521, 1993; TRI-PP-92-102;
Search for Decay $K^+ \rightarrow \pi^+ \nu \bar{\nu}$
- Atiya 92B Phys. Rev. Lett. 69:733, 1992; TRI-PP-92-16;
Search for the Decay $\pi^0 \rightarrow \gamma X$
- Atiya 93 Phys. Rev. D48:R1, 1993; TRI-PP-93-2; PRINCETON-HEP-92-16; BNL-48091;
Search for the Decays $K^+ \rightarrow \pi^+ \nu \bar{\nu}$ and $K^+ \rightarrow \pi^+ X^0$ for $150 < M_{X^0} < 250$ MeV/c²
- Atrashkevich 93 Izv. Akad. Nauk SSSR, Fiz. 57-4:74, 1993;
Ultra-High Energy Primary Cosmic Rays According to the MSU EAS Array Data
- Atrashkevich 94 Izv. Akad. Nauk SSSR, Fiz. 58-12:45, 1994;
The Mass Composition of Primary Cosmic Rays around the Knee of the Energy Spectrum
- Atwood 91 SLAC-PUB-5671;
 B Hadron Lifetimes
- Aubourg 93 Nature 365:623, 1993;
Evidence for Gravitational Microlensing by Dark Objects in the Galactic Halo
- Auce 94 Phys. Rev. C50:871, 1994;
Reaction Cross Sections for 75 - 190 MeV Alpha Particles on Targets from ¹²C to ²⁰⁸Pb
- Audit 93 Phys. Lett. 312B:57, 1993;
The Reaction γ ³He $\rightarrow p p n$ at Low Neutron Recoil Momentum
- Augier 93 Phys. Lett. 316B:448, 1993; CERN-PPE-93-115;
A Precise Measurement of the Real Part of the Elastic Scattering Amplitude at the $S\bar{p}pS$
- Augier 94 Phys. Lett. 344B:451, 1995; CERN-PPE-94-160;
Measurement of the Proton-Antiproton Total Cross Section at the $S\bar{p}pS$ Collider by a Luminosity Dependent Method
- Augustin 90B Phys. Rev. D46:1951, 1992; LAL-90-53;
Partial Wave Analysis of DM2 Data in the $\eta(1440)$ Energy Range
- Aulchenko 95 BUDKERINP-95-56;
Beginning of the Experiments with SND Detector at $e^+ e^-$ Collider VEPP-2M
- Aumann 93 Phys. Rev. C47:1728, 1993;
Inclusive Measurements of Electromagnetic Dissociation of ¹⁹⁷Au Targets
- Aumann 94 Nucl. Phys. A569:157c, 1994;
Evidence for Two-Phonon Giant-Dipole Resonance from Inclusive Measurements of ¹⁹⁷Au Target Dissociation
- Aumann 95 Z. Phys. A352:163, 1995; GSI-95-19;
Few Neutron Removal from ²³⁸U at Relativistic Energies
- Aunola 95 Pisma Zh. Eksp. Teor. Fiz. 62:690, 1995;
Double Beta Processes in ⁹²Mo
- Avakyan 91 Yad. Phys. 53:717, 1991; YERE-1283(69)-90;
Measurement of P_x, P_y, P_z -Components of the Proton's Polarization Vector in the $\gamma p \rightarrow p \pi^0$ Reaction with Linearly Polarized Photons
- Avakyan 91B YERE-1326(21)-91;
Interpretation of Distributions on K_{x0} in p Fe, n Fe and π Fe Interactions at 0.5 - 5.0 TeV in the Framework of Contemporary Models
- Avakyan 91C Yad. Phys. 54:1642, 1991;
Distributions of Partial Inelasticity Coefficient K_{x0} in Pion, Proton, and Neutron Interactions with Iron Nuclei at 0.5 - 5.0 TeV
- Avakyan 91D Izv. Akad. Nauk SSSR, Fiz. 55:669, 1991;
Investigation of Jet Generations with Large Transversal Momenta

- Avakyan 91E Vopr. At. Nauki i Techn. ser. Yad. 23:24, 1991;
Proton Polarization Measurement in the Reaction γ deuteron $\rightarrow p n$ on Linearly Polarized Photon Beam in the Range of $E_\gamma = 290 - 450$ MeV
- Avakyan 91F Vopr. At. Nauki i Techn. ser. Yad. 23:70, 1991;
Investigation of Cumulative Proton Polarization in the Reaction $\gamma A \rightarrow p X$
- Avakyan 93 Yad. Phys. 56-9:174, 1993;
Maket-ANI Experiment. Investigation of EAS in the Particle Number Range $5 \cdot 10^4 - 5 \cdot 10^7$
- Avakyan 93B Yad. Phys. 56-9:183, 1993;
Integral Size Spectrum of EAS at the Mountain Altitude in the Range $5 \cdot 10^4 - 5 \cdot 10^7$
- Averichev 95 Kr. Soob. JINR 69:37, 1995;
Cumulative Pion and Proton Production in p deuteron Collisions at 4.45 and 8.9 GeV/c
- Averichev 95B Kr. Soob. JINR 69:27, 1995;
One-Spin Pion Asymmetry in the deuteron $\uparrow A \rightarrow \pi^\pm(90^\circ) X$ Process
- Averichev 95C JINR-E1-95-506;
One-Spin Pion Asymmetry in deuteron \uparrow nucleus $\rightarrow \pi^\pm X$ Processes near $\theta_\pi = 90^\circ$
- Avery 90B Phys. Rev. D43:3599, 1991; CLNS-90-992; CLEO-90-5;
Inclusive Production of the Charmed Baryon Λ_c from $e^+ e^-$ Annihilations at 10.55 GeV (E_{cm})
- Avery 92 Phys. Rev. Lett. 68:1279, 1992;
 D_s^+ Decays to $\eta \rho^+$, $\eta' \rho^+$ and $\phi(1020) \rho^+$
- Avery 93 Phys. Rev. Lett. 71:2391, 1993; CLNS-93-1205; CLEO-93-4;
Study of the Decays $\Lambda_c^+ \rightarrow \Xi^0 K^+$, $\Lambda_c^+ \rightarrow \Sigma^+ K^+ K^-$ and $\Lambda_c^+ \rightarrow \Xi^- K^+ \pi^+$
- Avery 93B Phys. Lett. 325B:257, 1994; CLNS-93-1260; CLEO-93-22;
Observation of Λ_c^+ Decays to $\Lambda \pi^+ \pi^0$, $\Sigma^0 \pi^+$, $\Sigma^0 \pi^+ \pi^0$, and $\Sigma^0 \pi^- \pi^+ \pi^+$
- Avery 94 Phys. Lett. 331B:236, 1994; Phys. Lett. 342B:453, 1995; CLNS-94-1280; CLEO-94-10;
Production and Decay of $D_1(2420)^0$ and $D_2^*(2460)^0$
- Avery 94B Phys. Lett. 337B:405, 1994; CLNS-94-1290;
Measurement of the Ratios of Form-Factors in the Decay $D_s^+ \rightarrow \phi e^+ \nu_e$
- Avery 95 Phys. Rev. Lett. 75:4364, 1995; CLNS-95-1352; CLEO-95-14; HEPEX-9508010;
Observation of a Narrow State Decaying into $\Xi_c(2460)^+ \pi^-$
- Avignone 91 Phys. Lett. 256B:559, 1991;
Confirmation of the Observation of $2\nu \beta \beta$ Decay of ${}^{76}\text{Ge}$
- Avramenko 91 JINR-P1-91-239;
Cross Sections of the ${}^3\text{H} \rightarrow {}^3\text{He}$ Reactions on Hydrogen, Carbon, Aluminium, Copper and Lead at 9 GeV/c
- Avramenko 91B Yad. Phys. 55:721, 1992; JINR-P1-91-235;
Central Mg Mg Collisions with Λ Production at a Momentum of 4.3 GeV/c per Nucleon
- Avramenko 91C JINR-P1-91-206;
Charge Exchange ${}^7\text{Li} \rightarrow {}^7\text{Be}$ Cross Sections at 21 GeV/c on p , C, Al, Cu, Pb Nuclei
- Avramenko 92 JINR-P1-92-284;
A Study of the Production and Lifetime of the Lightest Relativistic Hypernuclei
- Avramenko 92B JETP Lett. 55:707, 1992; Pisma Zh. Eksp. Teor. Fiz. 55:676, 1992; Kr. Soob. JINR 54:13, 1992;
Collective Excitation of Delta-Isobar in Charge Exchange Reactions (${}^7\text{Li}$, ${}^7\text{Be}$) and (${}^3\text{H}$, ${}^3\text{He}$) at a Projectile Momentum of 3 GeV/c per Nucleon
- Avramenko 93 Kr. Soob. JINR 63:5, 1993;
Pion Momentum Spectra in a Nuclear Charge Exchange Reaction $\text{Mg}({}^3\text{H}, \text{He})$
- Avramenko 94 JINR-E1-94-311;
Pion Momentum Spectra in Nuclear Charge Exchange Reactions $A({}^3\text{H}, {}^3\text{He})$
- Avramenko 96 Nucl. Phys. A596:355, 1996;
Pion Production in Nuclear Charge Exchange Reactions $A({}^3\text{H}, {}^3\text{He})$
- Awes 95 Z. Phys. C65:207, 1995;
Two-Proton Correlations in the Target Fragmentation Region of Nuclear Collisions at 200 A GeV
- Azhgirey 91 Nucl. Phys. A528:621, 1991;
Fragmentation of 9 GeV/c Deuterons in the Region of Proton Transverse Momenta of 0.5 - 1 GeV/c and the Deuteron Wave Function at Small Distances
- Azhgirey 91B Yad. Phys. 53:1591, 1991;
Fragmentation of 9 GeV/c Deuterons on Nuclei at Proton Transverse Momenta of 0.5 - 1 GeV/c
- Azhgirey 95 Phys. Lett. 361B:21, 1995; JINR-E1-95-263;
First Measurement of the Tensor Analyzing Power T_{20} in Inelastic (deuteron, deuteron')X Scattering at 0° on p and ${}^{12}\text{C}$ at 4.5 and 5.5 GeV/c
- Azhgirey 95B JINR-E1-95-357;
 T_{20} in Inclusive Inelastic (deuteron, deuteron')X Scattering at 0° on Protons and ${}^{12}\text{C}$
- Baatar 89B Yad. Phys. 53:451, 1991; JINR-P1-89-424;
Inclusive Cross Section of Cumulative π^- Meson Production in $\pi^- C$ Interactions of 40 GeV/c as Function of Kinetic and Transverse Energies
- Baatar 90 Yad. Phys. 53:465, 1991; JINR-P1-90-26;
Inclusive π^- Meson Spectra with Cumulative Number $N_K > 0.35$ Produced in deuteron C, He C and C C - Interactions at 4.2 GeV per Nucleon
- Baatar 91 Yad. Phys. 53:204, 1991;
Fluctuations in Hadron Multiple Generation in Nucleus-Nucleus Collisions at $P = 4.2$ GeV/c per Nucleon
- Babu 94 Phys. Lett. 321B:140, 1994; UM-TH-93-26; JHU-TIPAC-930026; UM-AC-93-20;
Closing the Windows on MeV Tau Neutrinos
- Bacci 91 DPHE-91-19; LNGSE-92-22;
Direct Detection of Dark Matter with NaI Crystals
- Bacci 92 DAPNIA-SPP-92-17;
Direct Detection of Dark Matter with NaI Crystals
- Bacci 92B Phys. Lett. 293B:460, 1992;
WIMPs Search with Low Activity NaI Crystals. Preliminary Results
- Bacci 93 Astropart. Phys. 2:13, 1994; DAPNIA-SPP-93-16; LMGS-93-80;
A Search for Strongly Interacting Massive Particles in the Galactic Halo
- Bacci 94 DAPNIA-SPP-94-02; LNGS-93-83;
Dark Matter Search with Calcium Fluoride Crystals

Bachler 91

Bai 92

- Bachler 91 Z. Phys. C51:157, 1991;
Charged Particle Multiplicities in Nuclear Collisions at 200 GeV/Nucleon
- Bachler 91B Z. Phys. C52:239, 1991; CERN-PRE-91-017; IKF-91-1;
Study of the Energy Flow in Sulphur- and Oxygen-Nucleus Collisions at 60 and 200 GeV/Nucleon
- Bachler 92 Z. Phys. C57:541, 1993; MPI-PHE-92-16;
Multiplicity Distributions in Small Phase-Space Domains in Central Nucleus-Nucleus Collisions
- Bachler 92B Z. Phys. C56:347, 1992;
Fluctuations of Multiplicities in Rapidity Windows in Sulphur-Sulphur Collisions at 200 A GeV
- Bachler 93 Z. Phys. C58:367, 1993; MPI-PHE-92-21;
Production of Charged Kaons in Proton-Nucleus and Nucleus-Nucleus Collisions at 200 GeV/Nucleon
- Bachler 94 Phys. Rev. Lett. 72:1419, 1994;
Charged Particles Spectra in Central S+S Collisions at 200 GeV/c per Nucleon
- Bachler 94B Nucl. Instr. and Meth. A343:288, 1994;
Study of Particle Spectra with an Optically Readout RICH Detector in the NA35 Experiment
- Bachler 94C Z. Phys. C61:551, 1994; MPI-PHE-93-27;
An Investigation of Intermittency in Proton-Gold, Oxygen-Gold, Sulfur-Gold and Sulfur-Sulfur Interactions at 200 GeV per Nucleon
- Bachman 95 Phys. Rev. C52:495, 1995;
Measurement of $n p \rightarrow p p \pi^-$ at 443 MeV
- Backovic 91 Phys. Rev. C46:1501, 1992; JINR-E1-91-376;
Temperature of Negative Pions in Inelastic (deuteron, He, C) + (C, Ta) Collisions at 4.2 A GeV/c
- Backovic 92 Kr. Soob. JINR 53:58, 1992;
The Boltzmann Temperatures of Negative Pions in Inelastic (deuteron, ^4He , C) + (C, Ta) Collisions at 4.2 A GeV/c
- Backovic 92C Yad. Phys. 56-4:211, 1993; JINR-P1-92-262;
Dependence of Spectra and Cross Sections of Proton Yield at Fixed Angles on the Atomic Weight of Colliding Nuclei in Nucleus-Nucleus Interactions at 4.2 GeV/c per Nucleon
- Backovic 94 Phys. Rev. C50:1097, 1994;
Temperature of Protons in Inelastic (deuteron, He, C) + (C,Ta) Collisions at 4.2 A GeV/c
- Badala 95 Phys. Rev. Lett. 74:4779, 1995;
Photon-Photon Correlation in $^{36}\text{Ar} + ^{27}\text{Al}$ Reaction at 95 MeV/Nucleon
- Badala 96 Phys. Rev. C53:1782, 1996;
Nuclear Stopping in Heavy-Ion Collisions at 100 MeV/Nucleon from Inclusive and Exclusive Neutral Pion Measurements
- Badgett 94 FERMILAB-CONF-94-258-E;
Measurement of W^\pm and Z^0 Boson Production and Extraction of the Width and Branching Ratios at CDF
- Baechler 91 Nucl. Phys. A525:221c, 1991;
Strangeness Enhancement in Central S S Collisions at 200 GeV/Nucleon
- Baechler 91B Nucl. Phys. A525:59c, 1991;
Pion and Proton Spectra in ^{32}S S Collisions at 200 GeV/Nucleon
- Baechler 91C Nucl. Phys. A525:689c, 1991; CERN-PRE-90-054; LBL-29578;
Proton Rapidity Distributions from 60 GeV/Nucleon $^{16}\text{O} + \text{Au}$ Collisions
- Bagan 95 Phys. Lett. 342B:362, 1995;
Theoretical Update of the Semileptonic Branching Ratio of B Mesons
- Bagdasaryan 91 Vopr. At. Nauki i Techn. ser. Yad. 23:79, 1991;
Investigation of Polarization Parameters in the Reaction $\gamma p \rightarrow p \pi^0$ on Linearly Polarized Photon Beam in the Resonance Range of Energies
- Baglin 91 Phys. Lett. 255B:459, 1991;
Study of $J/\psi(1S)$ Production in p U, O U and Si U Interactions at 200 GeV per Nucleon
- Baglin 91B Phys. Lett. 262B:362, 1991;
Transverse Momentum of $J/\psi(1S)$ Production in p Cu, p U, ^{16}O Cu, ^{16}O U and ^{32}S U Collisions at 200 GeV per Nucleon
- Baglin 91C Phys. Lett. 268B:453, 1991;
Initial State Interactions and $J/\psi(1S)$ Production in Nucleus-Nucleus Collisions
- Baglin 91D Phys. Lett. 272B:449, 1991;
 $\phi(1020)$, ρ and ω Production in p U, O U and Si U Reactions at 200 GeV per Nucleon
- Baglin 91E Phys. Lett. 270B:105, 1991;
 $J/\psi(1S)$ and Muon-Pair Production Cross Sections in Proton-Nucleus and Nucleus-Nucleus Collisions at 200 GeV per Nucleon
- Baglin 92 Nucl. Phys. B368:175, 1992;
Measurement of the $\pi^0 \pi^0$ Cross Section in $\bar{p} p$ Annihilations at $\sqrt{s} = 3.0$ GeV
- Baglin 92B Nucl. Phys. A544:209c, 1992;
Muon Pair Production in Heavy Ion Interactions at 200 GeV per Nucleon
- Baglin 94 Nucl. Phys. A566:371c, 1994;
 $\psi(2S)$ and $J/\psi(1S)$ Production in p U and S U Collisions at 200 GeV/Nucleon
- Baglin 95 Nucl. Phys. A590:117c, 1995;
The Evolution of Cross Section Ratio $\psi(2S)/J/\psi(1S)$ from p A to S U Interactions. Direct Photon Emission in Correlation with $\phi(1020)$ and $J/\psi(1S)$
- Baglin 95B Phys. Lett. 345B:617, 1995;
 $\psi(2S)$ and $J/\psi(1S)$ Production in p -Wt, p -U and S-U Interactions at 200 GeV/Nucleon
- Bahcall 95 Phys. Lett. 348B:121, 1995; IASSNS-AST-94-57;
Limits on Electron-Neutrino Oscillations from the GALLEX ^{51}Cr Source Experiment
- Bahk 91 Phys. Rev. C43:1410, 1991;
Diffractive Excitation of 14.6, 60, and 200 GeV/Nucleon ^{16}O and 14.6 GeV/Nucleon ^{28}Si Nuclei in Nuclear Emulsion
- Bahran 92 Phys. Lett. 291B:336, 1992; Phys. Lett. 294B:479, 1992; OKHEP-91-005;
Limit on Heavy Neutrino in Tritium Beta Decay
- Bahran 95 Phys. Lett. 354B:481, 1995;
A Direct Limit on the Heavy Neutrino in Tritium Beta Decay
- Bai 90C Phys. Rev. Lett. 66:1011, 1991; SLAC-PUB-5341; UIUC-HEPG-90-69;
Measurement of the Hadronic Structure of Semileptonic D^0 and D^+ Decays
- Bai 92 Phys. Rev. Lett. 69:3021, 1992; SLAC-PUB-5870; BEPC-EP-92-01;
Measurement of the Mass of the τ^\pm Lepton

- Bai 94 Phys. Rev. Lett. 74:4599, 1995; SLAC-PUB-95-6746; BEBC-EP1-95-01;
A Direct Measurement of the Pseudoscalar Decay Constant, $f_{D_s^\pm}$
- Bai 94B Phys. Rev. D52:3781, 1995; SLAC-PUB-95-6747; BEBC-EP1-95-02;
A Direct Measurement of the D_s^\pm Branching Fraction to $\phi \pi$
- Bai 95 Phys. Rev. D53:20, 1996; SLAC-PUB-95-6930; BIHEP-EP1-95-004;
Measurement of the Mass of the τ^\pm Lepton
- Bai 95B Phys. Lett. 355B:374, 1995; Phys. Lett. 363B:267, 1995; BIHEP-EP1-95-03;
A Measurement of $J/\psi(1S)$ Decay Width
- Bailey 94 FERMILAB-CONF-94-237-E;
Measurement of the B Meson Differential Cross-Sections in $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV Using the Exclusive Decays $B^\pm \rightarrow J/\psi(1S) K^\pm$ and $B^0 \rightarrow J/\psi(1S) K^*(892)^0$
- Baillon 92 CERN-PPE-92-178;
Detection of Very High Energy Gamma Rays from the CRAB Source
- Baird 94 SLAC-PUB-6601;
A Study of K_S , Λ and $\bar{\Lambda}$ Production in Hadronic Z^0 Decays
- Baird 95 SLAC-PUB-95-6932;
Measurement of α_S from Hadronic Event Observables at the Z^0 Resonance
- Bakatanov 92 Yad. Phys. 55:2107, 1992;
Cosmic Ray Muon and Primary Nucleon Intensity from the Baksan Underground Scintillation Telescope
- Baker 91 Phys. Rev. D43:2765, 1991;
 $\mu^- e^+$ Dilepton Production in Charged-Current ν_μ Interactions
- Baker 91B Phys. Rev. C44:93, 1991;
Spin Decomposition of the Responses of ^{44}Ca and ^{48}Ca to 300 MeV Protons
- Balatz 92 ITEP-92-85;
The Research of Semi-Inclusive Processes with Deep Fragmentation at the Detector "SPHINX"
- Balatz 93 Yad. Phys. 57:253, 1994; IFVE-93-6;
Study of the Reaction p nucleon $\rightarrow \Sigma(1385 P_{13})^0 K^+$ nucleon at the Energy of 70 GeV
- Balatz 94B Z. Phys. C61:223, 1994; IFVE-93-96;
Study of the Diffractive Production of the Baryon States and Search for Cryptoexotic Baryons with Hidden Strangeness
- Balatz 94C Z. Phys. C61:399, 1994; IFVE-93-97;
Search for $N\phi(1960)$ Baryon
- Balbes 93 Phys. Rev. Lett. 71:3931, 1993;
deuteron Induced Reactions on ^8Li and Primordial Nucleosynthesis
- Baldin 92 Kr. Soob. JINR 54:20, 1992;
Kaon and Pion Production Cross Sections in $p+C$, $^2\text{H}+C$ and $C+C$ Collisions as a Function of Projectile Energy from 2.5 to 8.1 GeV/Nucleon
- Baldin 94 Nucl. Phys. A566:611c, 1994;
Experiment on Relativistic Nuclear Physics in Beams of Dubna Synchrophasotron and Nuclotron
- Baldin 95 Nuovo Cim. 108A:139, 1995;
Mass Dependence of Antiproton Production in nucleus-nucleus Collisions at 3.65 GeV/Nucleon
- Baldin 95B Kr. Soob. JINR 73:41, 1995;
Measurement of the Asymmetry of Pions, Kaons and Protons Production by Vector Polarized Deuterons on Carbon Nuclei
- Baldit 94 Phys. Lett. 332B:244, 1994; LYCEN-9426;
Study of the Isospin Symmetry Breaking in the Light Quark Sea of the Nucleon from the Drell-Yan Process
- Baldoceolin 94 Z. Phys. C63:409, 1994; DFPD-94-EP-13;
A New Experimental Limit on Neutron-Antineutron Oscillations
- Baldoceolin 94B DFPD-94-EP-14;
Neutrino Oscillations at Accelerators
- Baldwin 92 Phys. Rev. C46:258, 1992;
Inclusive Neutron Cross Section from Ne-Pb Collisions at 790 MeV/Nucleon
- Balest 93 Phys. Rev. D47:R3671, 1993; CLNS-93-1194; CLEO-93-2;
A Measurement of the Tau Lepton Mass
- Balest 94 Phys. Rev. Lett. 72:2328, 1994; CLNS-94-1267; CLEO-94-2;
Measurement of the Branching Fraction for $D^+ \rightarrow K^- \pi^+ \pi^-$
- Balest 94B Phys. Rev. D51:2053, 1995; CLNS-94-1292; CLEO-94-19;
 $\Upsilon(1S) \rightarrow \gamma +$ Noninteracting Particles
- Balest 94C Phys. Rev. D52:2661, 1995; CLNS-94-1315; CLEO-94-26;
Inclusive Decays of B Mesons to Charmonium
- Balest 95 Phys. Rev. Lett. 75:3809, 1995; CLNS-95-1347; CLEO-95-11;
Measurements of the Decays $\tau^- \rightarrow \text{hadron}^- \text{hadron}^+ \text{hadron}^- \nu_\tau$ and $\tau^- \rightarrow \text{hadron}^- \text{hadron}^+ \text{hadron}^- \pi^0 \nu_\tau$
- Balestra 91 Phys. Scr. 43:456, 1991; OSLO-90-17; CERN-PRE-90-047;
Possible Production of Glueballs in $\bar{p} ^4\text{He}$ Reactions at 0.6 GeV/c Incident Momentum
- Balestra 91B Nucl. Phys. A526:415, 1991;
Strangeness Production in Antiproton Annihilation at Rest on ^3He , ^4He , and ^{20}Ne
- Balestra 93 Phys. Lett. 305B:18, 1993;
Antiproton- ^4He Interactions at 200 MeV/c
- Balewski 95 Nucl. Phys. A581:131, 1995;
Differential Cross Section for Elastic n deuteron Scattering and n deuteron Break-Up Quasi Free-Scattering at 67 MeV
- Ball 93 Nucl. Phys. A559:477, 1993;
Angular Dependence of the Beam and Target Analyzing Powers A_{00N_0} and A_{000N} in $n p$ Elastic Scattering Between 0.477 and 0.940 GeV
- Ball 93B Nucl. Phys. A559:489, 1993;
Angular Dependence of Analyzing Power in $n p$ Elastic Scattering Between 0.312 and 1.10 GeV
- Ball 93C Nucl. Phys. A559:511, 1993;
Angular Dependence of the Spin Correlation Parameter A_{00NN} in $n p$ Elastic Scattering between 0.8 and 1.1 GeV
- Ball 94 Z. Phys. C61:53, 1994; ANL-HEP-PR-93-27;
Measurements of the Total Cross-Section Difference $\Delta\sigma_T$ in $n p$ Transmission between 0.86 GeV and 0.94 GeV

Ball 94B

Bardin 92

- Ball 94B Phys. Lett. 320B:206, 1994; ANL-HEP-PR-93-13;
Observation of a Narrow Structure in the $p p$ Elastic Scattering Observable A_{00nn} at $T_{kin} = 2.11$ GeV
- Ball 94C Nucl. Phys. A574:697, 1994;
Measurement of the Spin Correlation Parameters A_{00kk} and A_{00sk} in $n p$ Elastic-Scattering at SATURNE II
- Ball 94D Z. Phys. C61:579, 1994;
Measurements of the Two and Three Spin-Index Observables in $n p$ Elastic Scattering between 0.80 and 1.10 GeV
- Balocchi 93 Phys. Lett. 317B:250, 1993; CERN-PPE-93-129;
Determination of α_S and the Gluon Distribution Using Direct Photon Production in $\bar{p} p$ Collisions
- Balocchi 94 Yad. Phys. 57:1694, 1994;
Comparison of Direct γ Production in $\bar{p} p$ and $p p$ Reactions and Determination of $\Lambda_{MS}^{(4)}$ and the Gluon Structure Function
- Baloshin 95 Yad. Phys. 58:50, 1995;
Amplitude Analysis of the $K_S K_S$ System Produced on Carbon Nucleus by 40 GeV/c Incident π^- Meson
- Balysh 92 Phys. Lett. 283B:32, 1992;
The Heidelberg-Moscow Double Beta Decay Experiment with Enriched ^{76}Ge . First Results
- Balysh 93 Phys. Lett. 298B:278, 1993;
New Experimental Limit for Electron Decay and Charge Conservation
- Balysh 94 Phys. Lett. 322B:176, 1994;
Measurement of the $\beta\beta 2\nu$ Decay of ^{76}Ge
- Balysh 95 Phys. Lett. 356B:450, 1995;
Sub-eV Limit for the Neutrino Mass from ^{76}Ge Double Beta Decay by the HEIDELBERG-MOSCOW Collaboration
- Bambade 92 LAL-92-31; CERN-PPE-92-35;
DELPHI Results on the $Z^0 \rightarrow B \bar{B}$ Partial Width and on the Average B Hadrons Semileptonic Branching Ratio
- Banerjee 91 Int. Jour. Mod. Phys. A7:1853, 1992; TIFR-EHEP-91-1;
 Z^0 Parameters and M_{top} from LEP 1990 Data
- Banerjee 92 Phys. Lett. 305B:182, 1993; CERN-PPE-92-218;
Observation of Direct Soft Photon Production in $\pi^- p$ Interactions at 280 GeV/c
- Bannikov 88 Z. Phys. C49:245, 1991; JINR-E1-88-476;
Evidence for High Twist Mechanisms in High p_T $\pi^- p$ Events with Prompt ρ^0 Production at 38 GeV/c
- Bannwarth 92 Nucl. Phys. A567:761, 1994; FREL-MEP-92-01;
Production of Charged Pions in Neutron-Proton Collisions
- Barabanov 93 Phys. Rev. Lett. 70:1216, 1993;
Testing of T -odd, P -even Interactions with γ -Rays from Neutron p -Wave Resonances
- Barabash 92 Yad. Phys. 55:3247, 1992; Phys. Lett. 295B:154, 1992;
Restrains on Light Higgs Boson Mass from π^- , K^- , and η' -Meson Decays in Proton Beam-Dump Experiment
- Barabash 93 Yad. Phys. 57:2050, 1994; JINR- P1-93-327;
Search for the Prompt Muon Antineutrino from Charm Particle Decays at the IHEP-JINR Neutrino Detector in 70 GeV Proton Beam-Dump Experiment
- Barabash 94 ITEP-94-89;
Investigation of the $\beta\beta$ Decay of ^{98}Zr to Excited States in ^{98}Mo
- Barabash 95 Z. Phys. A352:231, 1995;
Search for $\beta\beta$ Decay of ^{76}Ge to the Excited States of ^{76}Se
- Barabash 95B Phys. Lett. 345B:408, 1995;
Two Neutrino Double-Beta Decay of ^{100}Mo to the First Excite Level 0^+ State in ^{100}Ru
- Barabash 96 Yad. Phys. 59:197, 1996; ITEP-95-13;
Experimental Constraints on $2\beta^+$, $K\beta^+$, and $2K$ Processes in ^{130}Ba and on the K -Capture in ^{132}Ba
- Baradzei 91 Izv. Akad. Nauk SSSR, Fiz. 55:650, 1991;
Alignment of Most Energetic Centers in Gamma Hadron Families
- Baradzei 93 Izv. Akad. Nauk SSSR, Fiz. 57-4:40, 1993;
Analysis of Alignment of Gamma-Hadron Families in the Atmosphere According to EAS and Emulsion Chamber Data
- Baranko 94 SLAC-PUB-6636;
Measurement of the Left-Right Asymmetry in Hadronic Z^0 Decays and A_c Determination
- Baranov 90 Yad. Phys. 53:1302, 1991; JINR-P1-90-464;
Search for $\mu^+ \rightarrow e^+ e^+ e^-$ Decay
- Baranov 91B Yad. Phys. 54:1298, 1991; JINR-P1-92-131;
On $\pi^+ \rightarrow \mu^- 2e^+ \nu$ Decay
- Baranov 91C Yad. Phys. 55:2940, 1992; JINR-P1-91-564;
Measurement of Decay $\pi^+ \rightarrow e^+ \nu_e e^+ e^-$
- Baranov 92 Phys. Lett. 302B:336, 1993; JINR-P1-92-494;
Search for Heavy Neutrinos at the IHEP-JINR Neutrino Detector
- Barbarogalti 91 FERMILAB-CONF-91-66-E;
Search for the Top Quark with CDF
- Barbarogalti 92 FERMILAB-CONF-92-45-E;
Heavy Flavor Physics at Hadron Colliders
- Bardadinotwi 92 Z. Phys. C55:163, 1992; CERN-PPE-92-6;
Limits on Compositeness from Lepton and Photon Channels at LEP
- Bardadinotwi 92B PCCF-RI-9209;
Compositeness at LEP
- Bardin 91 Phys. Lett. 257B:514, 1991; CERN-PPE-91-30;
Precise Determination of the Electromagnetic Form Factor of the Proton in the Time-Like Region up to $S = 4.2$ GeV²
- Bardin 91B Phys. Lett. 255B:149, 1991;
Measurement of the Proton Electromagnetic Form Factor near Threshold in the Time-Like Region
- Bardin 92 Yad. Phys. 55:1563, 1992;
Proton E.M. Form Factor: Accurate Measurements in the Time-Like Region for Incident \bar{p} Momentum Ranging from 300 to 900 MeV/c

- Bardin 94 Nucl. Phys. B411:3, 1994;
Determination of the Electric and Magnetic Form Factors of the Proton in the Time-Like Region
- Bargende 95 BONN-IR-95-06;
Charm Production in $e^- p$ Collisions with the ZEUS Detector at HERA
- Bari 91 Nuovo Cim. 104A:1787, 1991; CERN-PRE-91-91; DFUB-91-5;
The Λ_b Beauty Baryon Production in Proton-Proton Interactions at $\sqrt{s} = 62$ GeV: a Second Observation
- Bari 91B Nuovo Cim. 104A:571, 1991;
A Measurement of Λ_c^+ Baryon Production in Proton-Proton Interactions at $\sqrt{s} = 62$ GeV
- Barish 91 CALT-68-1766;
Non-Accelerator Physics
- Barish 94 Phys. Rev. D51:1014, 1995; CLNS-94-1285; CLEO-94-13;
Measurements of the $\bar{B} \rightarrow D^*(2010) \ell^- \bar{\nu}$ Branching Fractions and $|V_{cb}|$
- Barish 95 CLNS-95-1362; CLEO-95-17;
Measurements of the B Semileptonic Branching Fraction with Lepton Tags
- Barit 91 INR-91-726;
Phase Analysis of Deuteron Scattering on ^4He Nucleus at the 0.87 - 4.81 MeV Energies
- Barker 91 EFI-91-04;
Recent K^0 Decay Results from Fermilab E-731
- Barker 94 Nucl. Instr. and Meth. A351:72, 1994;
 B -Physics Results from D0
- Barklow 92 Phys. Rev. Lett. 68:13, 1992; SLAC-PUB-5600;
Search for the Final State $\tau^+ \tau^- e^+ e^-$, $\tau^+ \tau^- \mu^+ \mu^-$, $\tau^+ \tau^- \pi^+ \pi^-$ Annihilation at $\sqrt{s} = 29$ GeV
- Barlag 90E Z. Phys. C49:555, 1991; CERN-PPE-90-145;
Production Properties of D^0 , D^+ , $D^*(2010)^+$ and D_s^+ in 230 GeV/c π^- and K^- Cu Interactions
- Barlag 91 Phys. Lett. 257B:519, 1991;
Azimuthal Correlations between Charmed Particles Produced in 230 GeV/c π^- Cu Interactions
- Barlag 92 Phys. Lett. 278B:480, 1992; CERN-PPE-92-17;
Measurement of the Mass and Width of the Charmed Meson $D^*(2010)^+$
- Barlag 92B Phys. Lett. 283B:465, 1992;
An Observation of Exclusive Λ_c^+ Decays into Σ^+ and Mesons
- Barlag 92C Z. Phys. C55:383, 1992;
A Reanalysis of Branching Fractions of Charmed Mesons D^0 , D^+ and D_s^+
- Barlag 93 Phys. Lett. 302B:112, 1993;
Charmed Pair Correlations in π^- Cu Interactions at 230 GeV/c
- Barlag 94 Phys. Lett. 325B:531, 1994;
A Study of the Transverse Polarization of Λ and $\bar{\Lambda}$ Hyperons Produced in π^- Cu Interactions at 230 GeV/c
- Barlett 91 Phys. Lett. 264B:21, 1991;
Inclusive Quasielastic Spin Observables for $p\uparrow$ ^2H , ^{12}C at 500 MeV
- Barloutaud 91 DPHPE-91-16;
Status of the Search for Matter Stability
- Barloutaud 93 DAPNIA-SPP-93-03;
Atmospheric Neutrinos and Neutrino Oscillations
- Barlow 92 Phys. Rev. C45:293, 1992;
 ^3He and ^4He Production by 800 MeV Protons from ^{12}C , Ti, and Pb at Forward Angles
- Barmin 90 Yad. Phys. 53:981, 1991; ITEP-90-112;
Measurement of Branching Ratio for $K^+ \rightarrow e^+ \pi^0 \nu \gamma$ Decay
- Barmin 91 Yad. Phys. 55:976, 1992; ITEP-91-93;
Experimental Restrictions on Probability of Decays $K^+ \rightarrow e^+ 2\pi^0 \nu_e \gamma$ and $K^+ \rightarrow e^+ 3\pi^0 \nu_e$
- Barmin 93 Nucl. Phys. A558:361c, 1993; ITEP-93-27;
Observation of Subthreshold Double Strangeness Production in \bar{p} Annihilations on Xe Nuclei: Search for Stable H Dibaryon
- Barmin 94 Yad. Phys. 57:1905, 1994;
Measurement of Average Cross-Section of 0.06-0.75 GeV/c \bar{p} Annihilation on Xe Nuclei
- Barmin 94B Yad. Phys. 57:1724, 1994;
Double Strangeness Production in \bar{p} Xe Annihilation at Low Energy in DIANA Chamber
- Barnaveli 95 Phys. Lett. 346B:178, 1995;
On the Behaviour of the Spectra of Primary Cosmic Ray Nuclei in the 10^{16} eV Energy Region (A Signal of Dark Matter?)
- Barnes 90B Nucl. Phys. A526:575, 1991; CERN-PPE-90-169;
Study of the Reaction $\bar{p} p \rightarrow \bar{\Lambda} \Lambda$ at 1.546 and 1.695 GeV/c
- Barnes 93 Phys. Lett. 309B:469, 1993; CERN-PPE-93-63;
Measurement of the Reaction $\bar{p} p \rightarrow K_S K_S$ in the Region near $\sqrt{s} = 2230$ MeV
- Barnes 94 Phys. Lett. 331B:203, 1994;
Study of the Reaction $\bar{p} p \rightarrow \bar{\Lambda} \Lambda$ below 6 MeV Excess Energy
- Baroni 91 Nucl. Phys. A531:691, 1991; CERN-PPE-91-3;
Interaction of 200 GeV/Nucleon ^{16}O and ^{32}S Ions in Nuclear Emulsion
- Baroni 92 Nucl. Phys. A540:646, 1992; CERN-PPE-92-8;
The Electromagnetic and Hadronic Diffractive Dissociation of ^{16}O Ions
- Barr 91 Phys. Lett. 259B:389, 1991; CERN-PPE-91-56;
Observation of the Decay $K_L \rightarrow e^+ e^- e^+ e^-$
- Barr 92 Phys. Lett. 284B:440, 1992; CERN-PPE-92-110;
A Measurement of the Decay $K_L \rightarrow \pi^0 \gamma \gamma$
- Barr 93 Phys. Lett. 304B:381, 1993;
Search for Decay $K_S \rightarrow \pi^0 e^+ e^-$
- Barr 93B Phys. Lett. 317B:233, 1993; CERN-PPE-93-168;
A New Measurement of Direct CP Violation in the Neutral Kaon System
- Barr 95 Z. Phys. C65:361, 1995;
Measurement of the Branching Ratio of the Double Dalitz Decay $K_L \rightarrow e^+ e^- e^+ e^-$ and the CP Parity of the K_L -Meson

- Barr 95B Phys. Lett. 351B:579, 1995;
A Test of Chiral Perturbation Theory from the Measurement of the Decay $K_S \rightarrow \gamma \gamma$
- Barr 95C Phys. Lett. 358B:399, 1995;
Search for the Decay $K_L \rightarrow 3\gamma$
- Barreiro 94 DESY-94-204;
New Results From HERA: on Photoproduction and Diffraction, The Proton Structure Function, Deep Inelastic Scattering at Low x , Heavy Flavour Production, Jets and Search for Leptoquarks
- Barrette 91 Nucl. Phys. A525:91c, 1991;
Forward Baryon Emission and Charged Multiplicity in Si nucleus Collisions
- Barrette 92 Phys. Rev. C45:2427, 1992;
Electromagnetic Dissociation of Relativistic ^{28}Si into $p+\text{Al}$
- Barrette 92B Phys. Rev. C45:819, 1992;
Forward Baryons in Relativistic Nucleus-Nucleus Collisions
- Barrette 92C Phys. Rev. C46:312, 1992;
Charged Particle Multiplicity in $^{28}\text{Si} + \text{Al}$, Cu and Pb Reactions at $E_{\text{lab}} = 14.6$ GeV/Nucleon
- Barrette 93 Phys. Rev. Lett. 70:1763, 1993;
Antiproton Production in Relativistic Si-Nucleus Collisions
- Barrette 93B Phys. Rev. Lett. 70:2996, 1993;
Measurement of Transverse Energy Production with Si and Au Beams at Relativistic Energy : Towards Hot and Dense Hadronic Matter
- Barrette 93C Z. Phys. C59:211, 1993;
Baryon Distributions in Ultrarelativistic Nucleus-Nucleus Collisions
- Barrette 94 Nucl. Phys. A566:411c, 1994;
Transverse Energy Production with Si and Au Beams at AGS Energy: Towards Hot and Dense Hadronic Matter
- Barrette 94B Phys. Rev. C49:1669, 1994;
Two Charged Particle and Transverse Energy Correlations in Si + Pb Collisions at 14.6 GeV/c
- Barrette 94C Phys. Lett. 333B:33, 1994;
Evidence for Expansion of a Hot Fireball from Two-Pion Correlations for Si+Pb Collisions at AGS Energy
- Barrette 94D Phys. Rev. Lett. 73:2532, 1994; SUNY-RHI-94-08;
Observation of Anisotropic Event Shapes and Transverse Flow in Ultrarelativistic Au + Au Collisions
- Barrette 95 Phys. Rev. C51:865, 1995;
Electromagnetic Dissociation of Relativistic ^{28}Si
- Barrette 95B Phys. Rev. C51:3309, 1995;
Charged-Particle Pseudorapidity Distributions in Au (Al, Cu, Au and U) Collisions at 10.8 A GeV/c
- Barrette 95C Phys. Rev. C52:956, 1995;
Production of Neutron-Rich Isotopes from the Fragmentation of ^{28}Si Projectiles at $P_{\text{lab}} = 14.6$ GeV/c per Nucleon
- Barrette 95D Phys. Rev. C52:2028, 1995;
Transverse Energy and Charged Particle Multiplicity in p -Nucleus at 14.6 GeV/c
- Barrette 95E Nucl. Phys. A590:259c, 1995;
Directed Flow and Particle Production in Au + Au Collisions from Experiment E877 at the AGS
- Barrette 95F Phys. Rev. C52:2679, 1995;
Search for Pion-Neutron Bound States in 14.6 A GeV Si+nucleus Collisions
- Bartalini 94 FERMILAB-CONF-94-180-E; CDF-PUB-JET-PUBLIC-2650;
Jet Studies at CDF/D0 Collaborations
- Bartelt 93 Phys. Rev. Lett. 71:1680, 1993; CLNS-93-1207; CLEO-93-5;
Two Measurements of $B^0 \bar{B}^0$ Mixing
- Bartelt 93B Phys. Rev. Lett. 71:4111, 1993; CLNS-93-1240; CLEO-93-15;
Measurement of Charmless Semileptonic Decays of B Mesons
- Bartelt 94 Phys. Rev. Lett. 73:1890, 1994; CLNS-94-1287; CLEO-94-15;
Search for Neutrinoless Decays of the τ^\pm Lepton
- Bartelt 95 Phys. Rev. D52:4860, 1995; CLNS-95-1333; CLEO-95-7;
Search for CP Violation in D^0 Decay
- Bartelt 96 Phys. Rev. Lett. 76:4119, 1996; CLNS-96-1395; CLEO-96-5;
First Observation of the Decay $\tau^- \rightarrow K^- \eta \nu_\tau$
- Baru 91 Z. Phys. C54:229, 1992; NOVO-91-110;
Measurement of the Branching Ratio for $\Upsilon(1S)$ State into $\mu^+ \mu^-$ and Search for Decays $\Upsilon(1S) \rightarrow \pi^+ \pi^-$, $K^+ K^-$, $p \bar{p}$
- Baru 92 Z. Phys. C53:219, 1992; NOVO-91-52;
Total Cross Section of Two Photon Production of Hadrons
- Baru 92B Z. Phys. C56:547, 1992; BUDKERINP-92-46;
Determination of the $\Upsilon(1S)$ Leptonic Width
- Barwick 96 Phys. Rev. Lett. 75:390, 1996;
Cosmic Ray Positrons at High Energies. A New Measurement.
- Barz 92 Nucl. Phys. A548:427, 1992;
Analysis of Central Events in the Reaction of ^{16}O and ^{36}Ar with Emulsion at 210 and 85 MeV per Nucleon
- Basova 95 Yad. Phys. 58:268, 1995;
Secondary Particles Multiplicity from $^{132}\text{Xe} + \text{Em}$ Collisions at Energies 1 A GeV
- Basova 95B Yad. Phys. 58:474, 1995;
Secondary Particle Angular Distributions from $^{132}\text{Xe} + \text{Em}$ Collisions at Energies 1 A GeV
- Bassompierre 93 Eur. Lett. 22:239, 1993;
A Search on 1.8 MeV Neutral-Particle Photoproduction in a QED Strong Field
- Bassompierre 95 Phys. Lett. 355B:584, 1995; LYCEN-9520;
Search for Light Neutral Objects Photoproduced in a Crystal Field and Decaying into $e^+ e^-$ Pairs
- Batkin 91 Fiz. Elem. Chastits At. Yadra 22:512, 1991;
Subthreshold Pion Production in Ion-Ion Collisions at the Intermediate Energies
- Batskovich 91 Yad. Phys. 54:1126, 1991; Z. Phys. C53:613, 1992;
Scaling in Multiplicity in Nucleus-Nucleus Interactions
- Battiston 92 Phys. Rept. 214:293, 1992;
Status and Perspectives of K Decay Physics
- Battle 92 Phys. Lett. 291B:488, 1992; CLNS-92-1157; CLEO-92-06;
A Measurement of the Tau Lepton Lifetime

Battle 93

- Battle 93 Phys. Rev. Lett. 71:3922, 1993; CLNS-93-1235; CLEO-93-13;
Observation of B^0 Decay to Two Charmless Mesons
- Battle 94 Phys. Rev. Lett. 73:1079, 1994; CLNS-94-1273; CLEO-94-8;
Measurement of Cabibbo-Suppressed Decays of the τ^\pm Lepton
- Baturin 91 LNPI-91-1747;
Search for Effects of Baryon Resonances in the Correlation Experiment on Studying Cumulative Protons Production in p ^6Li Interactions at the Energy 1 GeV
- Baturin 91B LENI-91-1750;
Search of Dibaryon Resonances in ($p,2p$) Interaction on ^6Li and Carbon at 1 GeV Provided with Cumulative Protons
- Batusov 92 Yad. Phys. 56-5:6, 1993; JINR-EI-92-256;
Production of Hyperfragments by Antiprotons at Rest Annihilating on Nuclei in Nuclear Photoemulsion
- Batusov 93 Pisma Zh. Eksp. Teor. Fiz. 57:518, 1993;
Polarization of Σ^+ -Hyperons in the $\pi^+ p$ Interaction at the Momentum of 3.6 - 4.2 GeV/c
- Batyunya 93 JINR-EI-93-20;
Neutral Strange Particle Yields and Production Ratios in Antideuteron-Nuclei Interactions at 12.2 GeV/c
- Batyunya 93B Kr. Soob. JINR 59:22, 1993;
Inclusive Production of Neutral Strange Particles in Antideuteron-Nuclei Interactions
- Batyunya 93C JINR-EI-93-458;
Study of Single Tagged Multihadronic $\gamma \gamma^*$ Events at a $\langle Q^2 \rangle = 12 \text{ GeV}^2/c^4$
- Bauer 93 Phys. Rev. D48:3976, 1993; SLAC-PUB-6094;
Evidence for Spin-One Resonance Production in the Reaction $\gamma \gamma^* \rightarrow \pi^+ \pi^- \pi^0 \pi^0$
- Bauer 93B Phys. Rev. D50:R13, 1994; LBL-33037; SLAC-PUB-6250;
Measurement of the Kaon Content of Three Prong Tau Decays
- Bauer 93C Phys. Lett. 302B:345, 1993; SLAC-PUB-5949;
Study of $\chi_{c2}(1P)$ Production in Photon-Photon Collisions
- Bauer 95 FERMILAB-CONF-95-175-E; CDF-PUB-BOTTOM-PUBLIC-3196;
Quarkonia Production in $p \bar{p}$ Collisions with CDF
- Baur 93 Nucl. Phys. A566:87c, 1994; CERN-PPE-93-177;
First Results of the CERES Electron Pair Spectrometer from $p+\text{Be}$, $p+\text{Au}$ and $\text{S}+\text{Au}$ Collisions
- Baur 94B Phys. Lett. 332B:471, 1994; CERN-PPE-94-076;
Measurement of Electromagnetically Produced $e^+ e^-$ Pairs in Distant S Pt Collisions
- Baur 95 Z. Phys. C71:571, 1996; CERN-PPE-95-116;
Search for Direct Photons From S Au Collisions at 200 GeV/u
- Bayukov 91 ITEP-91-4;
Investigation of Nuclear Pionic Degrees of Freedom in the Reaction π nucleus $\rightarrow \pi \pi$ at 1.4 GeV
- Bayukov 92 Yad. Phys. 55:3261, 1992;
 $A(\pi, \pi\pi)X$ Reaction Study at 1.4 GeV at Small Energies Transferred to the Nucleus and Transferred Momenta of Order of p_F
- Bayukov 93 ITEP-93-46;
CORrelation's Detector (CORD)
- Bayukov 94 Yad. Phys. 57:421, 1994;
Nuclear Fragmentation at Limited Energy Transfer in $A(\pi, \pi'p)X$, $A(\pi, \pi'deuteron)X$ Reactions at $P_\pi = 3.15$ and $1.4 \text{ GeV}/c$
- Bazarko 93 NEVIS-R-1492;
A Next-to-Leading Order QCD Analysis of Neutrino Charm Production: Probing Nucleon Strangeness
- Bazarko 95 Z. Phys. C65:189, 1995; Z. Phys. C66:680, 1995;
Determination of the Strange Quark Content of the Nucleon from a Next-to-Leading-Order QCD Analyses of Neutrino Charm Production
- Bazarov 94 Yad. Phys. 57:435, 1994;
Proton Multiplicity Fluctuations in Narrow Intervals of Azimuthal Angles in p , deuteron, and ^{12}C Inelastic Collisions with Propane and Tantalum Nuclei at 4.2 GeV/c per Nucleon
- Bazarov 95 Yad. Phys. 58:2009, 1995;
Factorial Correlators and Proton Multiplicity Fluctuations in Intervals of Azimuthal Angles from Inelastic Collisions of ^{12}C at 4.2 GeV/c per Nucleon with Propane and Tantalum
- Bazhanov 91 Phys. Rev. C47:395, 1993; JETP Lett. 54:551, 1991; Pisma Zh. Eksp. Teor. Fiz. 54:549, 1991;
Vector Analyzing Power iT_{11} in the π^+ deuteron $\rightarrow 2p$ Reaction in the Energy Region $T_{\pi^+} = 350 - 450 \text{ MeV}$
- Bazhenov 92 Phys. Lett. 289B:17, 1992;
Circular Polarization of γ -Quanta in $n p \rightarrow$ deuteron γ Reactions with Polarized Neutrons
- Bazizi 91 UCR-DIS-91-02;
A Comparative Study of Structure Function Measurements from Hydrogen and Deuterium
- Bazizi 93 FERMILAB-CONF-93-048-E;
Inclusive Single Muons at D0
- Bazizi 94 FERMILAB-CONF-94-300-E;
Inclusive b Production at CDF and D0
- Bazizi 95 FERMILAB-CONF-95-238-E;
Inclusive b Quark and Heavy Quarkonium Production at D0
- Beaman 93 Phys. Rev. D48:4495, 1993;
Performance of the South Pole Air Shower Experiment During 1987 to 1992
- Bean 92 Phys. Rev. Lett. 70:138, 1993; CLNS-92-1172; CLEO-92-11;
A Search for $\tau^- \rightarrow \gamma \mu^-$: A Test of Lepton Number Conservation
- Bean 92B Phys. Rev. Lett. 70:2681, 1993; CLNS-92-1174; CLEO-92-12;
Search for Exclusive $b \rightarrow u$ Semileptonic Decays of B Mesons
- Bean 93 Phys. Lett. 317B:647, 1993; CLNS-93-1249; CLEO-93-18;
Measurement of Exclusive Semileptonic Decays of D Mesons
- Beatty 93 Phys. Lett. 305B:13, 1993;
Pion Double Charge Exchange on ^{16}O above $\Delta(1232 P_{33})$ Resonance
- Beatty 93C Phys. Rev. C48:1428, 1993;
Pion Double Charge Exchange on ^{16}O at $T_\pi = 300 - 500 \text{ MeV}$
- Beavis 92 Phys. Rev. C45:299, 1992;
Collective Motion in Ar + Pb Collisions at Beam Energies Between 400 and 1800 MeV/Nucleon

Beavis 95

Belaga 95D

- Beavis 95 Nucl. Phys. A590:491c, 1995;
Antiproton Production at 0° in Collisions of 11 A GeV/c Au Beams
- Beavis 95B Phys. Rev. Lett. 75:3078, 1995;
Search for New Metastable Particles Produced in Au Au Collisions at 10.8 A GeV/c
- Beavis 95C Phys. Rev. Lett. 75:3633, 1995;
Centrality Dependence of Antiproton Production in Au + Au Collisions
- Beck 93 Phys. Rev. Lett. 70:2853, 1993;
Investigation of the Majoron Accompanied Double-Beta Decay Mode of ^{76}Ge
- Beck 94 Phys. Lett. 336B:141, 1994;
Searching for Dark Matter with the Enriched Ge Detectors of the Heidelberg-Moscow Double Beta Decay Experiment
- Beckerszendy 91 Phys. Rev. D46:3720, 1992; BUHEP-91-24;
The Electron- and Muon-Neutrino Content of the Atmospheric Flux
- Beckerszendy 92 Phys. Rev. Lett. 69:1010, 1992;
Search for Muon Neutrino Oscillations with the Irvine-Michigan-Brookhaven Detector
- Beckerszendy 93 Phys. Rev. D47:4203, 1993;
Study of Underground Muons During the January 1991 Radio Flare of Cygnus X-3
- Beckerszendy 94 Phys. Rev. D49:2169, 1994;
New Magnetic Monopole Flux Limits from IBM Proton Decay Detector
- Beddo 91 Phys. Lett. 258B:24, 1991; ANL-HEP-PR-90-116;
Measurements of $\Delta\sigma_L(n, p)$ between 500 and 800 MeV
- Beddo 93 Phys. Rev. D50:104, 1994; ANL-HEP-PR-93-49;
Measurement of the Longitudinal Spin Dependent Neutron-Proton Total Cross-Section Difference $\Delta\sigma_L(n, p)$ between 500 - 800 MeV
- Beedoe 93 Phys. Rev. C47:2840, 1993;
Measurement of Dielectric Production in Niobium-Niobium Collisions at 1.05 GeV/Nucleon
- Begalli 92 Z. Phys. C55:531, 1992; DESY-92-027;
Multiplicity Structure of Inclusive Diffraction in $\pi^+ p$ and $K^+ p$ Interactions at 250 GeV/c
- Begemannblai 93 Phys. Rev. C48:610, 1993;
Quantum Molecular Dynamics Simulation of Multifragment Production in Heavy Ion Collisions at $E/A = 600$ MeV
- Behrend 89I Z. Phys. C51:143, 1991; DESY-89-176;
Limits on Electron Compositeness from Bhabha Scattering
- Behrend 90 Z. Phys. C51:149, 1991; DESY-90-149;
A Search for Substructure of Leptons and Quarks with the CELLO Detector
- Behrend 90C Phys. Lett. 257B:505, 1991; DESY-90-137;
Cross-Section Measurement and Spin Parity Analysis of the Reaction $\gamma\gamma \rightarrow \omega\rho$
- Behrend 90D Phys. Lett. 256B:97, 1991; DESY-90-114;
Fractal Dimensions from a 3-Dimensional Intermittency Analysis in e^+e^- Annihilation
- Behrend 90E Z. Phys. C49:401, 1991; DESY-90-110;
A Measurement of the π^0 , η and η' Electromagnetic Form Factors
- Behrend 90F Z. Phys. C49:43, 1991; DESY-90-066; TAUP-1801-90;
 ρ^0 Production in the Reaction $\gamma\gamma \rightarrow 3\pi^+ 3\pi^-$ and Search for $\gamma\gamma \rightarrow \rho^0 \rho(1700)^0$
- Behrend 91 Z. Phys. C51:365, 1991; DESY-91-006;
Studies of Multihadronic Final States in Photon-Photon Interactions
- Behrend 92 Z. Phys. C56:381, 1992;
An Experimental Study of the Process $\gamma\gamma \rightarrow \pi^+ \pi^-$
- Behrends 92 FERMILAB-CONF-92-353-E;
Scaling Behavior of Jet Production at CDF
- Beier 92 Phys. Lett. 283B:446, 1992;
Survey of Atmospheric Neutrino Data and Implications for Neutrino Mass and Mixing
- Beker 93 Nucl. Phys. A566:115c, 1994; CERN-PPE-93-123;
Identified Particle Interferometry in Heavy-Ion Collisions: Results from the CERN NA44 Experiment
- Beker 94B Phys. Rev. Lett. 74:3340, 1995; CERN-PPE-94-119;
 m_T Dependence of Boson Interferometry in Heavy Ion Collisions at the CERN SPS
- Beker 94C Z. Phys. C64:209, 1994; CERN-PPE-94-75;
Kaon Interferometry in Heavy Ion Collisions at the CERN SPS
- Bekmirzaev 91 JINR-P1-91-495;
The Study of Secondary Neutron Production in $\pi^- \text{Xe}$ Interactions at 3.5 GeV/c
- Bekmirzaev 93 Yad. Phys. 58:63, 1995; JINR-P1-93-464;
Rapidity Distributions of π^- Mesons in (p ,deuteron, ^4He ,C) C Interactions at 4.2 GeV/c per Nucleon
- Bekmirzaev 94 Yad. Phys. 58:1642, 1995; JINR-P1-94-260;
Rapidity Distributions of Protons in (p ,deuteron, ^4He ,C) C Interactions at 4.2 GeV/c per Nucleon
- Bekmirzaev 94B Yad. Phys. 58:1822, 1995; JINR-P1-94-376;
Rapidity Distribution of π^- Mesons in (deuteron, ^4He ,C) Ta Interactions at 4.2 GeV/c per Nucleon
- Beladidze 92 Yad. Phys. 55:2748, 1992; IFVE-92-37;
Study of the Process $\pi^- \text{nucleus} \rightarrow \pi^- \eta' \eta \text{nucleus}$ at 36 GeV/c
- Belaga 94 JINR-P1-94-285;
Coherent Dissociation $^{12}\text{C} \rightarrow 3\alpha$ in Emulsion Enriched by Pb
- Belaga 94B Yad. Phys. 57:1510, 1994;
A Search for Multiparticle Correlations in Multiple Production Reactions at $E_0 = 200 - 400$ GeV
- Belaga 94C Yad. Phys. 57:1516, 1994;
Multiparticle Azimuthal Correlations in Multiple Production Reactions at High Energies
- Belaga 95 JINR-P1-95-218;
Fragmentation of Carbon into Three Alphas in Propane Chamber at 4.2 GeV/c
- Belaga 95B JINR-P1-95-289;
Fragmentation Characteristics of Relativistic Carbon Nucleus at It's Interaction with Hydrogen
- Belaga 95C Yad. Phys. 58:2014, 1995;
Coherent Dissociation $^{12}\text{C} \rightarrow 3\alpha$ in Pb-Enriched Emulsion at 4.5 GeV/c
- Belaga 95D JINR-P1-95-368;
Evidence of Pair Correlations Between α -particles Fragments of Relativistic Nuclei

- Belaga 95E Pisma Zh. Eksp. Teor. Fiz. 62:385, 1995;
Dependence of the Mechanism of the Inelastic Dissociation of the Relativistic Carbon Nuclei into Three α -Particles versus Its Excitation Energy
- Belaga 95F Kr. Soob. JINR 74:73, 1995;
A Study of Multiparticle Azimuthal Correlations in High Energy Interaction
- Belesev 95 Phys. Lett. 350B:263, 1995;
Results of the Troitsk Experiment on the Search for the Electron Antineutrino Rest Mass in Tritium Beta Decay
- Belforte 93 Nuovo Cim. 107A:2085, 1994; FERMILAB-CONF-93-313-E;
Measurement of the Elastic, Total and Single Diffraction Cross Sections at Tevatron Energies
- Belforte 93B FERMILAB-CONF-93-358-E;
Measurement of the Elastic, Total and Diffraction Cross Sections at Tevatron Energies
- Belikov 95 Yad. Phys. 58:1993, 1995;
Inclusive Prompt Muon Yields in the Proton Beam-Dump Experiment at 70 GeV and an Estimate of the Charm Production Cross Section
- Bellandi 95 Phys. Lett. 343B:410, 1995;
On the Behaviour of the Total Cross Section at Superhigh Energies from Cosmic-Ray Data
- Bellotti 91 Phys. Lett. 266B:193, 1991;
A Search for Two Neutrino and Neutrinoless Double β Decay of ^{136}Xe in the Gran Sasso Underground Laboratory
- Belogianni 92 Z. Phys. C54:535, 1992; LPC-91-59;
Short Range Correlations in Hadron Pair Production at $p_T > 2$ GeV/c
- Belogianni 93B Z. Phys. C61:371, 1994; CERN-PPE-93-187;
Shape Distortions of Meson Resonances Produced in Hadron Interactions at $p_T > 2$ GeV/c
- Belogianni 93C Z. Phys. C59:35, 1993; CERN-PPE-93-24;
Transverse Momentum Distributions for Meson Resonances at Central Rapidity and $p_T > 2$ GeV/c
- Belogianni 94 Z. Phys. C64:15, 1994; LPC-94-14;
Study of $\phi(1020)$ and $f_2(1270)$ Meson Polarization at $p_T \geq 2$ GeV/c in π^- Be Interactions at CERN SPS
- Belogianni 95 Z. Phys. C69:235, 1995; CERN-PPE-95-79;
Search for Higher Twists in Meson Resonance Production in Hadron Interactions at $p_T \geq 2$ GeV/c
- Belousov 91 Yad. Phys. 53:609, 1991;
Photoproduction of π^0 Mesons on Complex Nuclei at Small Angles in the $\Delta(1232 P_{33})$ Resonance Region
- Belovitsky 91 Kr. Soob. Fiz. 8:15, 1991;
Emission of Charged Particles in Absorption of Stopped Negative Pions by U Nuclei
- Belovitsky 92 Sov. J. Nucl. Phys. 55:1285, 1992; Yad. Phys. 55:2319, 1992;
Emission of Charged Particles at Absorption of Slow Negative Pions by Uranium Nuclei
- Belyaev 93 Yad. Phys. 56-10:135, 1993; JINR-E1-93-5;
Production of Cumulative of Pions and Kaons in Proton-Nucleus Interactions at Energies from 15 to 65 GeV
- Belz 95 Phys. Rev. Lett. 74:646, 1995;
Two-Body Photodisintegration of the Deuteron up to 2.8 GeV
- Belzer 92 Yad. Phys. 55:2740, 1992;
Proton Yield Differential Cross Sections in Interactions of Protons with Nuclei at 9 GeV/c
- Benayoun 92 Z. Phys. C58:31, 1993; CERN-PPE-92-156;
Experimental Evidences for the Box Anomaly in η/η' Decays and the Electric Charge of Quarks
- Bencheikh 92 PCCF-T-9209;
Etude Experimentale du Charme a LEP par la Voie du Meson $D^*(2010)$ Avec le Detecteur
- Benedic 92 CRN-92-15;
Study of Charmed $D^*(2010)$ Mesons Produced in the Decays of the Z^0 Boson Observed by the DELPHI Experiment at LEP
- Benjamin 95 FERMILAB-CONF-95-241-E; CDF-ANAL-ELECTROWEAK-PUB-3191;
 $W^\pm \gamma$ and $Z^0 \gamma$ Production at the Tevatron
- Benlloch 93 FERMILAB-CONF-93-329-E;
Top Quark Search at CDF
- Benlloch 94 FERMILAB-CONF-94-326-E;
CDF top Results in the Dilepton Channel
- Benvenuti 93 Z. Phys. C63:29, 1994; JINR-E1-93-133; CERN-PPE-94-65;
Nuclear Structure Functions in Carbon near $x = 1$
- Berdnikov 91 Yad. Phys. 53:200, 1991;
(K^+ , K^+ p) Reaction on Photoemulsion Light Nuclei at Energy of 60 MeV
- Berdnikov 91B Yad. Phys. 54:350, 1991;
(K^+ , K^+ p) Reaction at 200 MeV
- Berdnikov 91C Yad. Phys. 54:1197, 1991;
(K^+ , K^+ deuteron) Reaction at 130 and 268 MeV
- Berdnikov 92 Yad. Phys. 55:2634, 1992;
(K^+ , K^0 p) Reactions on Photoemulsion Light Nuclei at Initial Energy 60 MeV
- Berdnikov 92B Z. Phys. C57:13, 1993; IFVE-92-62;
Study of the Reaction $\pi^- p \rightarrow \eta' \eta' n$
- Berdnikov 93 Phys. Lett. 313B:276, 1993; IFVE-93-62;
Study of π^- nucleon $\rightarrow \eta \pi^-$ nucleon and π^- nucleon $\rightarrow \eta' \pi^-$ nucleon Reactions at 37 GeV/c
- Berdnikov 94 Yad. Phys. 57:1610, 1994;
VES Study of $\pi(1770)$ Resonance in Diffractive Reactions
- Berdnikov 94B Phys. Lett. 337B:219, 1994;
Study of the Reaction $\pi^- A \rightarrow K^+ K^- \pi^- A$ at 37 GeV/c
- Beretvas 95 FERMILAB-CONF-95-279-E; CDF-TOP-PUBLIC-3262;
CDF Results on TOP
- Beretvas 95B Int. Jour. Mod. Phys. A11:2233, 1996; FERMILAB-PUB-95-311-E; CDF-TOP-PUBLIC-3318;
Kinematics of the $t \bar{t}$ Events in $W^\pm + \text{Jets}$ at CDF
- Beretvas 95C Int. Jour. Mod. Phys. A11:2045, 1996; FERMILAB-PUB-95-310-E; CDF-TOP-PUBLIC-3317;
CDF Results on Top
- Berezin 94 Yad. Phys. 57:285, 1994;
Analysis of Experimental Search of Oscillations Based on Mixing of Three Types of Neutrino

Berg 91

Bhatti 94

- Berg 91 Z. Phys. A340:297, 1991;
Neutral Meson Production in Relativistic Heavy Ion Collisions
- Berg 94 Phys. Rev. Lett. 72:977, 1994;
Transverse Momentum Distributions of η Mesons in Near-Threshold Relativistic Heavy Ion Reactions
- Bergdolt 93 Phys. Rev. D48:R2969, 1993;
Total Cross Section of the $p p \rightarrow p p \eta$ Reaction Near Threshold
- Berge 89 Z. Phys. C49:187, 1991; CERN-EP-89-103;
A Measurement of Differential Cross Sections and Nucleon Structure Functions in Charged-Current Neutrino Interactions on Iron
- Berge 92 Z. Phys. C56:175, 1992;
Prompt Neutrino Results from Proton Beam Dump Experiment
- Berger 90B Z. Phys. C50:385, 1991; PITHA-90-20;
Results from the FREJUS Experiment on Nucleon Decay Modes with Charged Leptons
- Berger 91 Phys. Lett. 269B:227, 1991;
Lifetime Limits on (B-L) Violating Nucleon Decay and Dinucleon Decay Modes from the FREJUS Experiment
- Berger 93 PITHA-93-24;
First Results from the H1 Experiment at DESY
- Bergfeld 94 Phys. Lett. 323B:219, 1994; CLNS-94-1269; CLEO-94-4;
Study of the Decay $\Lambda_c^+ \rightarrow \Lambda e^+ \nu$
- Bergfeld 94B Phys. Lett. 340B:194, 1994; CLNS-94-1298; CLEO-94-21;
Observation of $D_1(2420)^+$ and $D_2^*(2460)^+$
- Berggren 90 Z. Phys. C50:427, 1991; USIP-90-07;
A Determination of α_S from the Transverse Momenta of Hadrons Produced in Neutrino and Anti-Neutrino Interactions
- Berkeland 95 Phys. Rev. Lett. 75:2470, 1995;
Precise Optic Measurement of Lamb Shifts in Atomic Hydrogen
- Berman 93 Phys. Rev. C48:R1, 1993;
New Evidence Against 17-keV Neutrino Emission in the β Decay Momentum Spectrum of ^{35}S
- Bernatowics 92 Phys. Rev. Lett. 69:2341, 1992;
Neutrino Mass Limits from a Precise Determination of $\beta\beta$ -Decay Rates of ^{128}Te and ^{130}Te
- Bernatowicz 93 Phys. Rev. C47:806, 1993;
Precise Determination of Relative and Absolute Double-Beta-Decay Rates of ^{128}Te and ^{130}Te
- Bershady 90 Phys. Rev. Lett. 66:1398, 1991; FERMILAB-PUB-90-244-A;
Telescope Search for Multi-eV Axions
- Bertin 91 LAL-91-17;
Research on Neutralinos in Z^0 Decays with the ALEPH Detector at LEP
- Bertin 95 Phys. Lett. 361B:187, 1995;
 E/ν Decays to $K \bar{K} \pi$ in $\bar{p} p$ Annihilation at Rest
- Bertolotto 94 Yad. Phys. 57:1578, 1994;
Recent Results on Meson Spectroscopy from JETSET
- Bertolotto 95 Phys. Lett. 345B:325, 1995; CERN-PPE-94-221;
Observation of $\phi \phi$ Production in the Reaction $\bar{p} p \rightarrow 4K^\pm$ at 1.4 GeV/c Incident \bar{p} Momentum
- Bertram 95 FERMILAB-CONF-95-198-E;
Rapidity Gaps between Jets at D0 and CDF
- Besancon 93 DAPNIA-SPP-93-13;
H1 Results for Structure Functions at Small X
- Besliu 93 Nuovo Cim. 106A:317, 1993;
Participants in Relativistic Nuclear Collisions
- Besson 93 Ann. Rev. Nucl. Part. Sci. 43:333, 1993;
Upsilon Spectroscopy: Transitions in the Bottomonium System
- Besson 93B CLNS-93-1259;
Recent Bottom Physics Results from Threshold Machines
- Bethe 92 Int. Jour. Mod. Phys. D1:1, 1992;
Solar Neutrino
- Bethke 91 Jour. of Phys. G 17:1455, 1991; CERN-PPE-91-36;
Experimental Overview of Jet Physics and Tests of QCD
- Bethke 91B HD-PY-91-5;
Tests of QCD at LEP
- Bethke 92 Ann. Rev. Nucl. Part. Sci. 42:251, 1992; HD-PY-92-06;
Tests of Perturbative QCD at LEP
- Bethke 92B HD-PY-93-07;
Hadronic Physics in Electron-Positron Annihilation
- Betts 91 Phys. Rev. C44:1611, 1991; BNL-46132;
Forward and Transverse Energies in Relativistic Heavy Ion Collisions at 14.6 GeV/c per Nucleon
- Beurtey 92 Phys. Lett. 293B:27, 1992;
Search for Dibaryonic States in the p - p Analyzing Power Excitation Function
- Beusch 95 Z. Phys. A350:379, 1995;
Measurement of the Polarization of Λ , $\bar{\Lambda}$, Σ^+ and Ξ^- Produced in a Σ^- Beam of 330 GeV/c
- Beznogikh 91 Yad. Phys. 54:1333, 1991; Kr. Soob. JINR 50:5, 1991;
Analyzing Power of deuteron $\uparrow C \rightarrow p X$ and deuteron $\uparrow C \rightarrow p p$ (deuteron) X Reactions at 0.6 - 2.1 GeV/Nucleon Energy
- Beznogikh 91C Yad. Phys. 54:111, 1991; JINR-P1-90-52;
Narrow Resonances Search During the Investigation of $p p$ Scattering over an Energy Range of 116 - 199 MeV
- Bhat 93 FERMILAB-CONF-93-279-E;
Search for the Top Quark and Other New Particles at D0
- Bhattacharje 91 Z. Phys. C52:265, 1991;
Clan Structure in High Energy $p n$, $p p$ and $\bar{p} p$ Interactions
- Bhattacharyy 91 Mod. Phys. Lett. A6:2921, 1991; TIFR-EHEP-91-7; CUPP-91-7;
Bounds on Mixing Angles of Fermions with their Exotic Partners Using LEP 1990 data
- Bhatti 94 FERMILAB-CONF-94-159-E;
Inclusive Jet and Two Jet Differential Cross-Sections at CDF

Bianchi 93

- Bianchi 93 Phys. Rev. C48:1785, 1993;
Photofissibility of ^{232}Th Measured with Tagged Photons from 250 to 1200 MeV
- Bianchi 93B Phys. Lett. 299B:219, 1993; LNF-92-077-P;
Measurement of the Total Cross Section for ^{238}U Photofission in the Nucleon Resonance Region
- Bianchi 93C Phys. Lett. 309B:5, 1993;
Absolute Measurement of the Total Photoabsorption Cross Section for Carbon in the Nucleon Resonance Region
- Bianchi 94 Phys. Lett. 325B:333, 1994;
Absolute Total Photoproduction Cross Section on Nuclei in the Nucleon Resonance Region
- Biasini 95 Nucl. Phys. B, Proc. Suppl B40:331, 1995;
Classical Impact Parameter Measurements of the Tau Lifetime
- Biebel 93 BONN-HE-93-34;
Direct Photons and Jet Properties at LEP and SLC
- Biebel 93B BONN-IR-93-65;
Study of the Independence of the Strong Interactions of Flavor Quantum Numbers with the Bottom, Charm, Strange, and Light Quarks
- Bieler 90 Z. Phys. C49:225, 1991; SLAC-PUB-5301; DESY-90-086;
Measurement of π^0 and η Meson Production in $e^+ e^-$ Annihilation at \sqrt{s} near 10 GeV
- Bienlein 91 DESY-91-145-A;
Resonance Formation in $\gamma\gamma$ Collisions: As Observed with the Crystal Ball Detector
- Bienlein 92 DESY-92-083;
a) New Crystal Ball Data on Resonance Formation by $\gamma\gamma$ Collision, b) Representation of Results on $\gamma\gamma$ Formation of Resonances by Helicity Amplitudes
- Bilger 93 Phys. Rev. Lett. 71:42, 1993;
Signature of a π nucleon nucleon Resonance in Double Charge Exchange at Low Energies
- Bilger 95 Phys. Lett. 363B:41, 1995;
Search for the Hypothetical $\pi \rightarrow \mu^- X$ Decay
- Bini 91 Phys. Lett. 262B:135, 1991; CERN-PPE-91-64;
Scattering of Thermal Photons by a 46 GeV Positron Beam at LEP
- Bird 93 Phys. Rev. Lett. 71:3401, 1993;
Evidence for Correlated Changes in the Spectrum and Composition of Cosmic Rays at Extremely High Energies
- Birsa 91 Phys. Lett. 273B:533, 1991; CERN-PPE-91-203;
Measurement of the Analyzing Power of the Charge-Exchange $\bar{p} p \rightarrow \bar{n} n$ Reaction in the Momentum Range 546 - 875 MeV/c at LEAR
- Birsa 93 Phys. Lett. 302B:517, 1993; CERN-PPE-93-19;
First Measurement of the Depolarization Parameter D_{nonon} of the $\bar{p} p \rightarrow \bar{n} n$ Charge-Exchange Reaction
- Birsa 93B Nucl. Phys. B403:25, 1993; CERN-PPE-93-45;
Measurement of the Analysing Power of the Charge-Exchange $\bar{p} p \rightarrow \bar{n} n$ Reaction in the Momentum Range 546 - 1278 MeV/c at LEAR
- Birsa 94 Phys. Lett. 339B:325, 1994; CERN-PPE-94-156;
High-Precision Measurement of the $\bar{p} p \rightarrow \bar{n} n$ Charge-Exchange Differential Cross-Section
- Bisello 90B Nucl. Phys. B350:1, 1991; LAL-90-14;
Study of the $\eta_c(1S)$ Decays
- Bisello 91 Z. Phys. C52:227, 1991; LAL-91-24;
Observation of an Isoscalar Vector Meson at 1850 MeV/c² in the $e^+ e^- \rightarrow K \bar{K} \pi$ Reaction
- Bisello 91B LAL-91-65;
Evidence of the $\phi(1680)$ in $e^+ e^-$ Annihilation
- Bisello 91C LAL-91-64;
PWA of the $e^+ e^- \rightarrow \pi^+ \pi^- \pi^+ \pi^-$ Reactions in the $\rho(1700)$ Mass Range
- Bishai 95 Phys. Lett. 350B:256, 1995; CLNS-95-1319; CLEO-95-1;
Measurement of the Decay Asymmetry Parameters in $\Lambda_c^+ \rightarrow \Lambda \pi^+$ and $\Lambda_c^+ \rightarrow \Sigma^+ \pi^0$
- Bishai 95B Phys. Lett. 369B:186, 1996; CLNS-95-1379; CLEO-95-21;
Study of $B \rightarrow J/\psi(1S) \rho$
- Bisplinghoff 94 JINR-E1-94-116;
On Neutron Generation in Massive Cu-Target at Irradiation with 22 and 44 GeV per Carbon Ions
- Bityukov 90 Z. Phys. C50:451, 1991; IFVE-90-22;
Study of the Radiative Decay $\eta' \rightarrow \pi^+ \pi^- \gamma$
- Bityukov 91 Phys. Lett. 268B:137, 1991; IFVE-91-26;
Observation of Resonance with Mass $M = 1814$ MeV Decaying into $\pi^- \eta \eta$
- Bityukov 91B Yad. Phys. 54:529, 1991;
Study of $\eta' \rightarrow \pi^+ \pi^- \gamma$ Decay and Search for Rare Radiative Decay $f_1(1285) \rightarrow \rho \gamma$
- Bityukov 91C Z. Phys. C54:235, 1992; IFVE-91-95;
Observation of the Decay $a_2(1320)^- \rightarrow \pi^- \eta'$
- Bityukov 91D Z. Phys. C54:367, 1992; IFVE-91-156;
Study of the Reaction $\pi^- p \rightarrow \omega \omega n$ at $P_{\pi^-} = 36$ GeV/c
- Bizzeti 91 Phys. Lett. 267B:286, 1991; DESY-91-051; SLAC-PUB-5400;
Measurement of the Direct Photon Spectrum from $\Upsilon(1S)$ Decay
- Blagus 91 Phys. Rev. C44:325, 1991;
 ^4H Nucleus and the deuteron (^3H , (^3H , p)) n Reaction
- Blair 94 FERMILAB-CONF-94-269-E;
The Diphoton Production Rate in $\bar{p} p$ Collisions at $\sqrt{s} = 1800$ GeV
- Blair 95 FERMILAB-CONF-95-245-E;
Photon Plus Charm and Diphotons at $\sqrt{s} = 1.8$ TeV
- Blank 92 Z. Phys. A343:375, 1992; GSI-92-22;
Charge-Changing Cross Sections of the Neutron-Rich Isotopes ^8Li , ^9Li , ^{11}Li
- Blank 93 Nucl. Phys. A555:408, 1993;
Total and 2N-Removal Cross Section of the Neutron-Rich Isotopes ^8Li , ^9Li , ^{11}Li
- Blank 94 Phys. Rev. C50:2398, 1994;
Production Cross Sections and the Particle Stability of Proton-Rich Nuclei from ^{58}Ni Fragmentation

Blanpied 92

Bodmann 94B

- Blanpied 92 Phys. Rev. Lett. 69:1880, 1992;
 $p(\gamma\pi^0)$ Reaction and the $E2$ Excitation of the Δ
- Blanpied 95 Phys. Rev. C52:R455, 1995;
 New Measurement of deuteron(γ,p) n and Spin Problems in Coupled $N\Delta/NN$ Interactions
- Blazey 93 FERMILAB-CONF-93-050-E;
 Two Jet Energy and Rapidity Distributions
- Blazey 95 FERMILAB-CONF-95-094;
 QCD at D0 and CDF
- Blessing 94 FERMILAB-CONF-94-293-E;
 Search for Supersymmetric wino and zino States Using the D0 Detector
- Blick 94 Phys. Lett. 334B:234, 1994; IFVE-93-87;
 Upper Limit for the Branching Ratio of $K_S \rightarrow e^+ e^-$ Decay
- Blinov 91 Z. Phys. C49:239, 1991;
 The Search for Narrow Resonances in the Reaction $e^+ e^- \rightarrow$ Hadrons at Centre-of-Mass Energy Range between 7.23 and 10.34 GeV
- Blinov 91B Z. Phys. C53:33, 1992; NOVO-91-71;
 Pion Pair Production in Photon-Photon Collisions
- Blinov 93 Z. Phys. C70:31, 1996; BUDKERINP-93-54;
 The Measurement of R in $e^+ e^-$ Annihilation at Center-of-Mass Energies between 7.2 and 10.34 GeV
- Blinov 94 Z. Phys. C62:367, 1994; BUDKERINP-93-53;
 Measurement of Inclusive Λ Production in Electron-Positron Interactions at the Upsilon Energies
- Blinov 95 Z. Phys. C69:215, 1995; BUDKERINP-95-8;
 Bose-Einstein Correlations in $e^+ e^-$ Annihilation in the $\Upsilon(1S)$ and Continuum
- Blinov 95B Yad. Phys. 58:1814, 1995;
 On the Mechanism of the Reactions $He p \rightarrow {}^3He p p$ and $He p \rightarrow {}^3He p n$ with 2.7 GeV/c He Particles
- Blaise 93 LNSG-93-73;
 The Measurement of the Muon Pair Separation Distribution with the MACRO Detector
- Blomqvist 96 Z. Phys. A353:415, 1996;
 Precise Pion Electroproduction in the $p(e^-, e'^- \pi^+) n$ Reaction
- Blondel 93 CERN-PPE-93-157;
 Updated Parameters of the Z^0 Resonance from Combined Preliminary Data of the LEP Experiments
- Blondel 93B Phys. Lett. 311B:346, 1993; CERN-PPE-93-81; UTS-DTF-93-06;
 Updated Analysis of High Precision LEP Data
- Bloomer 90 Nucl. Phys. A527:595c, 1991; LBL-29552;
 New Results from AGS Heavy Ion Experiments
- Bloomer 92 Nucl. Phys. A544:543c, 1992;
 Intermittency in ${}^{32}S+S$ and ${}^{32}S+Au$ Collisions at the CERN SPS
- Blum 92 Phys. Lett. 275B:506, 1992;
 Search for γ -Rays Following $\beta\beta$ Decay of ${}^{100}Mo$ to Exited States of ${}^{100}Ru$
- Blumlein 90 Z. Phys. C51:341, 1991; PHE-90-03;
 Limits on Neutral Light Scalar and Pseudoscalar Particles in Proton Beam Dump Experiment
- Blumlein 91 Int. Jour. Mod. Phys. A7:3835, 1992; PHE-91-11;
 Limits on the Mass of Light (Pseudo)scalar Particles from Bethe-Heitler $e^+ e^-$ and $\mu^+ \mu^-$ Pair Production in Proton-Iron Beam Dump Experiment
- Blumlein 92 Phys. Lett. 279B:405, 1992; IFVE-91-165;
 Investigation of Prompt Electron-Neutrino Production in a Proton Beam Dump Experiment with the IHEP-JINR ν Detector
- Blumlein 92B Yad. Phys. 55:2092, 1992;
 Search for Direct Neutrino Produced in the Absorption of the Proton Beam by Iron on the IHEP-JINR Neutrino Detector
- Bobodjanov 91 Yad. Phys. 54:125, 1991;
 Total Disintegration of Nuclei
- Bobrovnikov 91 LENI-91-1754;
 The Search of Quasi-Magnetic Electron-Electron Interaction in the Experiment with SQUID
- Boca 90 Z. Phys. C49:543, 1991; FERMILAB-PUB-90-148-E;
 Average Fraction of Jet Momentum Carried of High p_T Leading Hadrons
- Boca 92 Nuovo Cim. 105A:865, 1992;
 A Fractal Analysis of Multiparticle Production in Hadron-Hadron Collisions at $\sqrt{s} = 16.7$ GeV
- Bockhorst 94 Z. Phys. C63:37, 1994;
 Measurement of the $\gamma p \rightarrow K^+ \Lambda$ and $\gamma p \rightarrow K^+ \Sigma^0$ at Photon Energies up to 1.47 GeV
- Bocquet 92 Z. Phys. A342:183, 1992;
 Prompt Fission Induced by Antiproton Annihilation at Rest on Heavy Nuclei
- Bocquet 94 CERN-PPE-94-47; HEPHY-PUB-599-94;
 Inclusive Production of Charged Particles and Minijets in $p\bar{p}$ Collisions at $\sqrt{s} = 630$ GeV
- Bocquet 95 Phys. Lett. 366B:441, 1996; CERN-PPE-95-169;
 Inclusive Production of Strange Particles $p\bar{p}$ Collisions at $\sqrt{s} = 630$ GeV with UA1
- Bocquet 95B Phys. Lett. 366B:447, 1996; CERN-PPE-95-170;
 A Study of Particle Ratios and Strangeness Suppression in $p\bar{p}$ Collisions at $\sqrt{s} = 630$ GeV with UA1
- Bocquet 95C Phys. Lett. 366B:434, 1996; CERN-PPE-95-168;
 Transverse Momentum Spectra of Charged Particles in $p\bar{p}$ Collisions at $\sqrt{s} = 630$ GeV
- Bodek 92 UR-1269; ER-40685-723;
 Tests of Perturbative QCD Using CCFR Data for Measurements of Nucleon Structure Functions
- Boden 91 Z. Phys. C49:175, 1991; BONN-ME-90-06;
 Elastic Electron Deuteron Scattering on a Tensor Polarized Solid ND-3 Target
- Boden 92 Nucl. Phys. A549:471, 1992;
 Electrodisintegration of the Deuteron in the Δ -Resonance Region
- Bodmann 92 Phys. Lett. 280B:198, 1992;
 Cross Section of the Charged Current Reaction ${}^{12}C(\nu_e, e^-){}^{12}Ni_{g.s.}$
- Bodmann 94 Phys. Lett. 332B:251, 1994;
 Neutrino Interactions with Carbon: Recent Measurements and New Tests of $\nu_e, \bar{\nu}_\mu$ Universality
- Bodmann 94B Phys. Lett. 339B:215, 1994;
 Determination of the Nuclear Weak Axial Charge Radius of ${}^{12}C$ via the ${}^{12}C(\nu_e, e^-){}^{12}Ni_{g.s.}$ Reaction

- Bogdanov 91 Yad. Phys. 53:900, 1991;
Investigating Momentum Characteristics of Relativistic ^{22}Ne Fragments in the Reaction Transverse Plane
- Bogdanov 93 Yad. Phys. 56:2:29, 1993;
Multiplicities of Charged Secondaries in Nuclear Fission Induced by ^{20}Ne , ^{40}Ar , and ^{56}Fe Ions with Energy of 0.1 – 0.5 GeV/Nucleon
- Bogdanov 94 Yad. Phys. 57:601, 1994;
Fragmentation of ^{20}Ne , ^{40}Ar , and ^{56}Fe Nuclei with Energy of 0.1 – 0.5 GeV/Nucleon on Emulsion Nuclei
- Boggild 92 Phys. Lett. 302B:510, 1993; Phys. Lett. 306B:418, 1993; CERN-PPE-92-196;
Identified Pion Interferometry in Heavy-Ion Collision at CERN
- Boggild 94 Nucl. Phys. A566:515c, 1994;
Single Particle Spectra from NA44
- Boggild 94B Phys. Lett. 349B:386, 1995; CERN-PPE-94-177;
Directional Dependence of the Pion Source in High-Energy Heavy Ion Collisions
- Boggild 95 Nucl. Phys. A590:215c, 1995;
Recent Results from NA44 and a Review of HBT
- Boggild 95B Nucl. Phys. A590:483c, 1995;
deuteron and deuteron Production in CERN Experiment NA44
- Boggild 95C Nucl. Phys. A590:523c, 1995;
Charged Hadron Distributions in p A and AA Collisions at the CERN SPS
- Boggild 95D Z. Phys. C69:621, 1996; CERN-PPE-95-157;
Low p_T Phenomena in A+A and p +A Collisions at Mid Rapidity
- Boggild 96 Phys. Lett. 372B:339, 1996; CERN-PPE-96-02;
Coulomb Effect in Single Particle Distributions
- Bogolyubsky 93 Yad. Phys. 56-8:142, 1993;
Characteristics of the Six-Particle Final States in $p p$ and $\bar{p} p$ Interactions at 32 GeV/c
- Bogolyubsky 94 Yad. Phys. 57:2216, 1994;
Factorial Moments of Multiplicity Distribution in the Intervals and Clan Model
- Bogolyubsky 95 Yad. Phys. 58:1984, 1995;
Characteristics of Charged Particle Groups in $\bar{p}p$, pp , and K^-p Interactions at 32 GeV/c
- Bogomolov 94 Kr. Soob. Fiz. 94-1-2:36, 1994;
Balloon Studies of the Isotope Composition of the Hydrogen Nuclei of Galactic Cosmic Radiation in the Energy Range 0.8 – 1.8 GeV/Nucleon
- Bogomolov 95 Izv. Akad. Nauk SSSR, Fiz. 59-4:145, 1995;
Studies of Deuterium Fluxes in Galactic Cosmic Rays in the Energy Range 0.8 – 1.8 GeV/Nucleon with the Balloon Technic
- Boisgard 91 Z. Phys. A338:243, 1991;
Break up of Spectator Residues at Ultra-Relativistic Energies
- Bokemeyer 91 GSI-91-45;
Recent Aspects of the Electron-Positron Puzzle — A Short Summary of Experimental Results
- Boldyshev 95 Yad. Phys. 58:43, 1995;
Measurement of Photon Linear Polarization by Electron Recoil Asymmetry in the Triplet Photoproduction
- Bolonkin 95 Yad. Phys. 58:1628, 1995;
Study of $K_S K_L \pi^-$ System Produced in $\pi^- p$ Interactions at 40 GeV/c Momentum. Observation of $a_1(1260)^- \rightarrow K^0 K^*(892)^-$ Decay Mode
- Bolton 91 Phys. Lett. 278B:495, 1992; SLAC-PUB-5201; UWSEA-PUB-90-1;
Observation of $f_1(1285) \rightarrow \pi^+ \pi^- \pi^+ \pi^-$ in Radiative $J/\psi(1S)$ Decays
- Bolton 92 Phys. Rev. Lett. 69:1328, 1992; SLAC-PUB-5632;
Partial Wave Analysis of $J/\psi(1S) \rightarrow \gamma \eta \pi^+ \pi^-$
- Bond 94 Phys. Rev. Lett. 72:13, 1994;
Measuring Cosmological Parameters with Cosmic Microwave Background Experiments
- Bondar 95 Phys. Lett. 356B:8, 1995;
The $p p \rightarrow p p \pi^0$ Reaction near the Kinematic Threshold
- Bondarenko 91 Izv. VUZ, Fiz. 5:19, 1991;
Relativistic Alpha-Particles from Inelastic Collisions ^{24}Mg Nuclei in Photoemulsion at 4.5 GeV/c/Nucleon
- Bondarenko 92 Yad. Phys. 55:137, 1992; SJNP 55, 77;
Study of Inelastic Fragmentation of ^{24}Mg Nucleus at $p_0/A = 4.5$ GeV/c in Nuclear Emulsion
- Bondarenko 94 Yad. Phys. 57:430, 1994;
 $^{12}\text{C} \rightarrow ^3\text{He}$ Dissociation on Hydrogen, Carbon, and Tantalum Nuclei at 4.2 GeV/c per Nucleon
- Bondarev 93 JINR-E1-93-84;
Experimental Results on Cumulative Particle Production by Protons and Light Nuclei
- Bonivento 94 Nuovo Cim. 107A:2377, 1994;
DELPHI Results on the Hadronic Decays of the τ^\pm -Lepton
- Bonutti 93 Phys. Rev. C47:863, 1993;
Total Cross Section for the A (π^+ , π^+ π^-) Reaction at $T_{\pi^+} = 280$ MeV
- Bonvicini 92 Z. Phys. A345:97, 1993; CERN-PPE-92-54;
Statistical Issues in the 17 keV Neutrino Experiments
- Bonvicini 92B CERN-PPE-92-117;
The 17 keV Neutrino Does Not Exist
- Bonvin 90B Z. Phys. C51:163, 1991; CERN-PPE-90-102;
The Contribution of Bremsstrahlung γ to the High p_T γ Production Cross-Section in $\pi^- p$ Collisions at 280 GeV/c
- Boos 90B Yad. Phys. 54:538, 1991; ALMA-90-11;
Study of Clusters in Multidimensional Phase Space for Exclusive $\bar{p} p$ Reactions at 32 GeV/c
- Boos 94 Yad. Phys. 57:263, 1994;
Investigation of the Ratios of Hadron's Structure Functions in Inclusive Multiple Processes at High Energies
- Boos 95 Z. Phys. A351:209, 1995;
Study of Nuclear Density Effects on Secondary Hadrons Many-Particle Correlations
- Borcherding 93 FERMILAB-CONF-93-388-E;
A Search for Rapidity Gaps in Jet Events and a Study of Color Coherence in Multijet Events at D0
- Borer 94 Phys. Rev. Lett. 72:1415, 1994; BUHE-93-11;
Strangelet Search in S Wt Collisions at 200 A GeV/c

- Borione 94 Phys. Rev. D49:1171, 1994;
Observation of the Shadows of the Moon and Sun Using 100 GeV Cosmic Rays
- Borisov 94 Izv. Akad. Nauk SSSR, Fiz. 58-12:10, 1994;
Complanar Emission of Particles in Multiparticle Production at High Energies (PAMIR Experiment)
- Borodovsky 92 Phys. Rev. Lett. 68:274, 1992;
Search for Muon-Neutrino Oscillations $\nu_\mu \leftrightarrow \nu_e$ ($\bar{\nu}_\mu \leftrightarrow \bar{\nu}_e$) in a Wide-Band Neutrino Beam
- Bortoletto 91 Phys. Rev. D45:21, 1992; CLNS-91-1102; CLEO-91-8;
Inclusive and Exclusive Decays of B Mesons to Final States Including Charm and Charmonium Mesons
- Bortoletto 92 Phys. Rev. Lett. 69:2046, 1992; CLNS-92-1152; CLEO-92-04;
Isospin Mass Splittings from Precision Measurements of $D^*(2010)$ - D Mass Differences
- Bortoletto 93 Phys. Rev. Lett. 71:1791, 1993; CLNS-93-1232; CLEO-93-11;
Measurement of the Decay $\tau^- \rightarrow \pi^- \pi^+ \pi^- 2\pi^0 \nu_\tau$
- Bortolotto 91 UDINE-91-04-AA; HU-SEFT-1991-17; INFN-AE-91-12;
A Measurement of the Partial Hadronic Widths of the Z^0 Using Neural Networks
- Borzumati 92 DESY-92-062;
Mass Spectra of Supersymmetric Particles and Experimental Bounds
- Borzunov 93 JINR-E2-93-16;
Polarization Transfer in Deuteron Break-Up at 0° Measuring with ANOMALON Polarimeter at JINR Synchrotron
- Bossy 91 Phys. Rev. C47:1659, 1993; LBL-31629;
Two-Pion Correlations and Multiplicity Effects in La on La Collisions
- Bosted 92 Phys. Rev. C46:2505, 1992; SLAC-PUB-5840;
Measurement of νW_2 and $R = \sigma_L/\sigma_T$ from Inelastic Electron-Aluminum Scattering Near $x = 1$
- Bosted 92B Phys. Rev. Lett. 68:3841, 1992; SLAC-PUB-5744;
Measurement of the Electric and Magnetic Form Factors of the Proton from $Q^2 = 1.75$ to 8.35 (GeV/c)²
- Bosted 93 Phys. Rev. D49:3091, 1994; SLAC-PUB-6374;
Threshold Inelastic Electron Scattering from the Proton at High Momentum Transfer
- Boswell 92 FERMILAB-CONF-92-347-E;
Inclusive χ_c Production in $\bar{p} p$ Collisions at $\sqrt{s} = 1.8$ TeV
- Botje 92 H-K-92-01;
Nucleon Structure Functions from Deep Inelastic Muon Scattering
- Botterweck 90 Z. Phys. C51:37, 1991; CERN-PRE-90-062; IIHE-90-03;
Factorial Moments and Correlations in Meson-Nucleus Interactions at 250 GeV/c
- Botterweck 91 Z. Phys. C51:541, 1991;
Direct Soft Photon Production in $K^+ p$ and $\pi^+ p$ Interactions at 250 GeV/c
- Botterweck 92 Z. Phys. C55:373, 1992; IIHE-92-01;
Neutral Strange Particle Production in K^+ and π^+ Collisions with Al and Au Nuclei at 250 GeV/c
- Bottino 92 Phys. Lett. 295B:330, 1992;
Search for Neutralino Dark Matter with NaI Detector
- Botvina 91 Z. Phys. A345:413, 1993; FVE-91-146;
Charged Particles Multiplicity in the Interactions of Oxygen Nucleus with Hydrogen at 3.1 A GeV/c Momentum
- Botvina 95 Nucl. Phys. A584:737, 1995;
Multifragmentation of Spectators in Relativistic Heavy-Ion Reactions
- Boucrot 92 LAL-92-29;
Charm and Beauty Decays in the ALEPH Experiment
- Bourdon 95 Nucl. Phys. B, Proc. Suppl B40:203, 1995;
Study of the $\tau^\pm \rightarrow 3 \pi \pi^0 \nu_\tau$ Decays in ALEPH
- Bowler 94 Phys. Lett. 331B:193, 1994; OUNP-94-04;
The Origin of the Spurious 17 keV Neutrino Signal Observed in ³⁵S Beta-Decay
- Bowler 95 Z. Phys. C68:391, 1995;
Investigations into the Origin of the Spurious 17 keV Neutrino Signal Observed in ³⁵S Beta Decay
- Bowles 93 Ann. Rev. Nucl. Part. Sci. 43:117, 1993;
The Status of the Solar Neutrino Problem
- Bowman 91 Nucl. Phys. A523:386, 1991;
Equilibrium and Non-Equilibrium Complex Fragment Emission in 50 - 100 MeV/u ¹³⁹La ¹²C Reactions
- Bowman 93 Phys. Rev. C48:1116, 1993;
Experimental Limit on Parity Violation in Nonresonant Neutron-Nucleus Scattering
- Boyarinov 91 Yad. Phys. 54:119, 1991; ITEP-91-23;
The Cumulative Production of Antiprotons by 10 GeV Protons Bombarding Nuclear Targets
- Boyarinov 92 ITEP-92-54;
Production of High-Energy Cumulative Pions at 97° in Lab. Sys. by 10 GeV Energy Protons
- Boyarinov 92B ITEP-92-53;
Production of High-Energy Cumulative Protons at 97° in Lab. Sys. by 10 GeV Energy Protons
- Boyarinov 92C ITEP-92-74;
Production of High-Energy Cumulative Kaons at 97° in Lab. Sys. by 10 GeV Energy Protons
- Boyarinov 93 Yad. Phys. 56-1:125, 1993;
Analysis of Data on Cumulative Antiproton Production by 10 GeV Proton
- Boyarinov 94 Yad. Phys. 57:1452, 1994;
Cumulative $p, \bar{p}, \pi^\pm, K^\pm$ Production at 97° in Lab. Sys. by 10.14 GeV Protons
- Boyle 91 RALT-125;
A Study of Energy-Energy Correlations in Charged Tracks from Hadronic Decays of the Z^0 at $\sqrt{s} = 91.2$ GeV
- Bozek 93 Phys. Lett. 312B:247, 1993;
A Study of Λ_c^+ decays into $p K^- \pi^+$, $p K^- \pi^+ \pi^0$ and $p K^- \pi^+ \pi^0 \pi^0$
- Bozhko 92 IFVE-92-110;
Search for Prompt Muon Neutrinos in 70 GeV Protons Interactions with Iron Nuclei
- Brack 91 Phys. Rev. C45:698, 1992; TRI-PP-91-82;
Analyzing Powers for π^\pm ¹³C \uparrow Scattering at $T_\pi = 100$ MeV
- Brack 95 Phys. Rev. C51:929, 1995;
Forward Angle $\pi^\pm p$ Elastic Scattering Differential Cross Sections at $T_\pi = 87$ to 139 MeV

- Bradamante 91 Yad. Phys. 55:1157, 1992; INFN-AE-91-17;
Spin Physics at LEAR
- Bradamante 94 CERN-PPE-94-215;
Experimental Results on N anti-N Scattering
- Bradamante 95 Phys. Lett. 343B:431, 1995; CERN-PPE-94-211;
Determination of the Charged Pion-Nucleon Coupling Constant from $\bar{p} p \rightarrow \bar{n} n$ Differential Cross Section
- Brady 94 Phys. Rev. C50:525, 1994;
Fragment Mass Dependence of p_T at GeV per Nucleon Energies
- Braghieri 95 Phys. Lett. 363B:46, 1995;
Total Cross Section Measurement for the Three Double Pion Photoproduction Channels on the Proton
- Branchina 92 Phys. Rev. D46:75, 1992;
Combined Fit to $R(e^+ e^- \rightarrow \text{hadrons})$ and Data from the CERN $e^+ e^-$ Collider LEP
- Brandenburg 95 Phys. Rev. Lett. 75:3804, 1995; CLNS-95-1351; CLEO-95-13;
Measurements of the Ratios $B(D_s^+ \rightarrow \eta \ell^+ \nu)/B(D_s^+ \rightarrow \phi \ell^+ \nu)$ and $B(D_s^+ \rightarrow \eta' \ell^+ \nu)/B(D_s^+ \rightarrow \phi \ell^+ \nu)$
- Brandl 92 HD-IHEP-92-4; CERN-PRE-92-20;
Measurement of the Partial Width of the Z^0 into $b \bar{b}$
- Brandt 91 Nucl. Phys. B, Proc. Suppl. B25:26, 1991;
Jets in Single Diffraction and Pomeron Structure
- Brandt 92 Phys. Rev. C45:1194, 1992; JINR-E1-89-803;
Enhanced Production of ^{24}Na by Wide-Angle Secondaries Produced in the Interaction of Relativistic Carbon Ions with Copper
- Brandt 92B Phys. Lett. 297B:417, 1992; CERN-PPE-92-179;
Evidence for a Super-Hard Pomeron Structure
- Brash 95 Phys. Rev. C52:807, 1995;
Spin Observables in Elastic Proton Scattering from Polarized ^3He
- Bravar 95 Phys. Rev. Lett. 75:3073, 1995;
Analyzing Power Measurement in Inclusive Λ Production with a 200 GeV/c Polarized Proton Beam
- Bravina 92 Yad. Phys. 55:1705, 1992;
Factorial Moments in $p p$ and $\bar{p} p$ Interactions at 32 GeV/c
- Breakstone 91 Z. Phys. C52:551, 1991; CERN-PPE-91-59;
High Order QCD Effects and Particle Density in Full Phase Space from High p_T Interactions at the ISR
- Breakstone 91B Mod. Phys. Lett. A6:2785, 1991; CERN-EP-88-132;
Three-Particle Rapidity Correlations in Proton-Proton Interactions at ISR Energies
- Breakstone 93 Z. Phys. C58:251, 1993; IS-J-4845;
Evidence for $f_1(1710)$ Production in the Reaction Pomeron Pomeron $\rightarrow 2\pi^+ 2\pi^-$
- Breuer 94 Phys. Rev. C49:2276, 1994;
Excitation Function for $^4\text{He}(\pi^+, p p)$ deuteron Two-Nucleon Absorption Across the Delta Resonance
- Breuer 95 BONN-IR-95-04;
Measurement of η Photoproduction on the Proton at Photon Energies around 1150 MeV
- Brick 92 Phys. Rev. D45:734, 1992;
Neutral-Strange-Particle Production in 200 GeV/c $p/\pi^+/K^+$ Interactions on Au, Ag, and Mg
- Brient 94 X-LPNHE-94-08;
Tau Polarization at LEP
- Brill 93 Phys. Rev. Lett. 71:336, 1993; GSI-93-33;
Azimuthally Anisotropic Emission of Pions in Symmetric Heavy-Ion Collisions
- Brisson 94 LAL-94-61; DESY-H1-09-94-395;
Proton Structure Function $F_2(x, Q^2)$ at HERA
- Brisson 94B DESY-94-187;
New Results from HERA on Deep Inelastic Scattering at Low x , the Proton Structure Function, Jets in Photoproduction, Heavy Flavor Production and Searches for New Particles
- Britton 92 Phys. Rev. D46:R885, 1992; TRI-PP-92-29;
Improved Search for Massive Neutrinos in $\pi^+ \rightarrow e^+ \nu$ Decay
- Britton 92B Phys. Rev. Lett. 68:3000, 1992; TRI-PP-92-15;
Measurement of the $\pi^+ \rightarrow e^+ \nu$ Branching Ratio
- Britton 94 Phys. Rev. D49:28, 1994; TRI-PP-93-25;
Measurement of the $\pi^+ \rightarrow e^+ \nu_e$ Branching Ratio
- Brock 91 Phys. Rev. D43:1448, 1991; CLNS-90-1031; CLEO-90-12;
Study of $\pi^+ \pi^-$ Transitions from the $\Upsilon(3S)$ and a Search for the $h_b(1P)$
- Brockstedt 91 Nucl. Phys. A530:571, 1991;
The ($^3\text{He}, ^3\text{H}$) Reaction at Intermediate Energies: Spin-Isospin Multipole Transitions
- Broglyysin 92 Nucl. Phys. A541:137, 1992;
Neutron-Proton Analyzing A_y at 68 MeV
- Bronikowski 91 Phys. Rev. C44:1661, 1991;
Target Fragmentation of Silver by 14.6 GeV/Nucleon ^{16}O Ions
- Brooks 92 Phys. Rev. C45:2343, 1992;
Neutron Induced Pion Production on C, Al, Cu, and Wt at 200 - 600 MeV
- Brose 94 Nuovo Cim. 107A:2227, 1994;
High-Statistics Analysis of $\bar{p} p \rightarrow \pi^0 \pi^0 \pi^0$ at Rest
- Bross 89 Phys. Rev. Lett. 67:2942, 1991; FERMILAB-PUB-89-138-E;
A Search for Short-Lived Particles Produced in an Electron Beam Dump
- Brovkin 91B Yad. Phys. 55:978, 1992; ITEP-91-50;
The Reaction $\pi^+ p \rightarrow p 2\pi^+ \pi^-$ at the Momentum 4.2 GeV/c: the Cross Sections of the Resonances in the Final State
- Brovkin 91C Yad. Phys. 55:986, 1992; ITEP-91-109;
Secondary Interaction of π^+ Meson and $\Delta(1232 P_{33})^{++}$ Isobar in Reaction $\pi^+ p \rightarrow p 2\pi^+ \pi^-$: Exotic Baryon Resonances
- Brovkin 92 Yad. Phys. 56:90, 1993; Sov. J. Nucl. Phys. 56:762, 1993; ITEP-92-60;
Resonance in the $p \omega$ System
- Brovkin 94 ITEP-94-58;
Observation of the Five-Quark State $E^{--}(1400)$ in the $n 2\pi^-$ System

Browder 93

Burrows 92B

- Browder 93 CLNS-93-1226;
Recent Results on Hadronic Decays of bottom Mesons from the CLEO II Experiment
- Brown 94 Phys. Rev. D50:1884, 1994; CLNS-94-1271; CLEO-94-6;
Precision Measurement of $D_s^{*+} - D_s^+$ Mass Difference
- Brown 96 FERMILAB-PUB-96-034-E;
Nuclear Dependence of Single-Hadron and Dihadron Production in p A Interactions at $\sqrt{s} = 38.3$ GeV
- Bruckner 91B Z. Phys. A339:367, 1991; CERN-PPE-91-41;
Measurements of the Antiproton-Proton Elastic Cross Section in the Beam Momentum Range between 189 and 600 MeV/c
- Bruckner 91C Z. Phys. A339:379, 1991; CERN-PPE-91-42;
Ranges of Interaction in $p \bar{p}$ Scattering at Low Energies
- Bruins 95 Phys. Rev. Lett. 75:21, 1995;
Measurement of the Neutron Magnetic Form Factor
- Bruno 94 Nucl. Phys. A576:138, 1994;
Angular and Velocity Analysis of the Three-Fold Events in the Xe + Cu Reaction at 45 MeV/u
- Bryman 92 Phys. Rev. D46:1064, 1992; TRI-PP-92-3;
Tau-Electron and Tau-Muon Universality from $\tau^\pm \rightarrow \pi \nu$ Decays
- Buchler 91 BONN-IR-91-57;
Measurement of the Differential Cross-Section of the Reaction $\gamma p \rightarrow \pi^+ n$ with an Energy Tagged Photon Beam at the PHOENICS Experiment
- Buchler 94 Nucl. Phys. A570:580, 1994;
Photoproduction of Positive Pions from Hydrogen with PHOENICS at ELSA
- Buckleygeer 91 FERMILAB-CONF-91-193-E;
Jets in CDF
- Buckleygeer 94 FERMILAB-CONF-94-336-E;
Studies of Prompt Photon Production and Multijet Production at the Tevatron Collider
- Buckleygeer 95 FERMILAB-CONF-95-316-E; CDF-PUB-JET-PUBLIC-3348;
Tests of Perturbative QCD at CDF
- Budagov 91 JINR-E1-91-496;
The Differential Cross Sections for Inclusive Reactions π^+ nucleus $\rightarrow \eta X$ at 10 GeV
- Budd 94 FERMILAB-CONF-94-337-E;
 W^\pm - Charge Asymmetry at CDF: Tests of Structure Functions
- Budick 91 Phys. Rev. Lett. 67:2626, 1991;
Bremsstrahlung Technique for Measuring the End Point of Tritium β Decay
- Budick 91B Phys. Rev. Lett. 67:2630, 1991;
Half-Life of Molecular Tritium and the Axial Vector Interaction in Tritium β Decay
- Budyashov 91B JINR-P1-91-439;
The Measurement of the Differential Cross Section in the Double Quasi-Elastic Proton Scattering from Carbon Nuclei at the Energy of (660 ± 7) MeV
- Budyashov 92B JINR-P1-92-13;
On Mechanisms of the Direct Knock-Out Reaction of Proton Pairs from the Carbon Nucleus by Protons at 600 MeV
- Budyashov 92D JINR-P1-92-193;
Effective Mass Spectra of Three Secondary Protons in the $(p, 3p)$ Reaction on the ^{12}C Nucleus at 660 MeV
- Budyashov 93 Yad. Phys. 56-9:1, 1993; JINR-P1-92-512;
Study of Mechanisms for the Reaction of Knock-On of Proton Pairs from the Carbon Nucleus by 660 MeV Protons
- Buenerd 92 CERN-PPE-92-16;
The Hyperon Charge and Matter Form-Factors: Experimental Prospects
- Buer 94 SLAC-PUB-6518;
Measurement of α_S in $e^+ e^-$ Annihilation at $E_{cm} = 29$ GeV
- Buki 95 Yad. Phys. 58:1353, 1995;
The Transversal Momenta of ^4He Response Function in the Range of Momentum Transfer 0.75 - 1.5 1/fm
- Bulekov 94 ITEP-94-56;
The Characteristics of Λ -Hyperons Produced in Pion-Nucleus and Pion-Nucleon Interactions at 4 - 6 GeV/c Initial Momenta
- Bulten 95 Phys. Rev. Lett. 74:4775, 1995;
Exclusive Electron Scattering from Deuterium at High Momentum Transfer
- Bunyatov 92 Fiz. Elem. Chastits At. Yadra 23:581, 1992;
Charmed Nuclei
- Bunyatov 95 JINR-E1-95-398;
Cross Section for Production of Charmed Particles in p nucleon Interactions at 70 GeV in Proton Beam Dump Experiment at IHEP-JINR Detector
- Burchell 92 CERN-PPE-92-158;
A Review of Recent Activity in the Field of Light-Quark Meson Spectroscopy
- Burkhardt 91 Ann. Rev. Nucl. Part. Sci. 41:55, 1991; CERN-PPE-91-50;
Test of the Electroweak Theory at the Z^0 Resonance
- Burlein 95 Phys. Rev. C51:88, 1995;
Pion Inelastic Scattering to the Low-Lying Positive-Parity States in ^{20}Ne
- Burleson 94 Phys. Rev. C49:2226, 1994;
Negative Pion-Nucleus Elastic Scattering at 20 and 40 MeV
- Burman 91 LA-UR-91-2817;
Experimental Study of Neutrino Properties
- Burmistrov 95 Kr. Soob. Fiz. 95-3-4:57, 1995;
Search for Narrow Dibaryon Resonance States in p deuteron Interaction at the Energy 405 MeV
- Burow 94 DESY-94-215;
Photoproduction Physics at HERA
- Burrows 92 SLAC-PUB-5802;
First QCD results from SLD
- Burrows 92B Phys. Rev. Lett. 68:3834, 1992; FERMILAB-PUB-92-29-A;
Massive Dirac Neutrinos and SN1987A

- Burrows 92C SLAC-PUB-6004;
Measuring of Spin-Sensitive Quantities in Hadronic Decays of Z^0 Bosons Produced in $e^+ e^-$ Annihilations
- Burrows 93 SLAC-PUB-6225;
Studies of QCD B Physics and Jet Handedness at SLD
- Burzynski 94 Nucl. Phys. A570:722, 1994; TRI-PP-93-71;
The Elastic and Inelastic Scattering of Intermediate Energy Protons on Deuterium at Small Momentum Transfer
- Buschbeck 91 HEPHY-PUB-554-91;
Intermittency, A Short Experimental Review
- Buskulic 92 Phys. Lett. 294B:145, 1992; CERN-PPE-92-73;
Observation of the Semileptonic Decays of B_s and Λ_b Hadrons at LEP
- Buskulic 92B Phys. Lett. 285B:309, 1992; CERN-PPE-92-59;
Search for a Very Light CP -odd Neutral Higgs Boson of the MSSM
- Buskulic 92C Z. Phys. C55:209, 1992; CERN-PPE-92-62;
Properties of Hadronic Z^0 Decays and Test of QCD Generators
- Buskulic 92D Phys. Lett. 292:210, 1992; CERN-PPE-92-74;
Measurement of the Production Rates of η and η' in Hadronic Z^0 Decays
- Buskulic 92E Phys. Lett. 284B:177, 1992; CERN-PPE-92-48;
Measurement of B^0 - \bar{B}^0 Mixing at the Z^0 Using a Jet-Charge Method
- Buskulic 92F Phys. Lett. 295B:174, 1992; CERN-PPE-92-133;
Updated Measurement of the Average b Hadron Lifetime
- Buskulic 92G Phys. Lett. 297B:449, 1993; CERN-PPE-92-138;
A Measurement of the b Baryon Lifetime
- Buskulic 92H Phys. Lett. 295B:396, 1992; CERN-PPE-92-142;
Measurement of Mean Lifetime and Branching Fractions of b Hadrons Decaying to $J/\psi(1S)$
- Buskulic 92I Z. Phys. C57:17, 1993; CERN-PPE-92-143;
Measurement of Prompt Photon Production in Hadronic Z^0 Decays
- Buskulic 92J Phys. Lett. 297B:459, 1993; CERN-PPE-92-161;
Search for CP Violation in $Z^0 \rightarrow \tau^+ \tau^-$
- Buskulic 92K Phys. Lett. 298B:479, 1993; CERN-PPE-92-184;
Measurement of the $b \rightarrow \tau^- \bar{\nu}_\tau$ X Branching Ratio
- Buskulic 92L Phys. Lett. 297B:432, 1993; CERN-PPE-92-186;
A Precise Measurement of the τ^\pm Lepton Lifetime
- Buskulic 92M Phys. Lett. 303B:198, 1993; CERN-PPE-92-210;
Search for Particles with Unexpected Mass and Charge in Z^0 Decays
- Buskulic 93 Z. Phys. C60:71, 1993; CERN-PPE-93-40;
Update of Electroweak Parameters from Z^0 Decays
- Buskulic 93B Z. Phys. C59:369, 1993; CERN-PPE-93-39;
Measurement of the Tau Polarisation at the Z^0 Resonance
- Buskulic 93C Phys. Lett. 307B:209, 1993; CERN-PPE-93-41;
Measurement of the Strong Coupling Constant Using τ^\pm Decays
- Buskulic 93D Phys. Lett. 307B:194, 1993; Phys. Lett. 325B:537, 1994; CERN-PPE-93-42;
Measurement of the \bar{B}^0 and B^- Meson Lifetime
- Buskulic 93E Z. Phys. C59:215, 1993; CERN-PPE-93-52;
Search for Contact Interactions in the Reactions $e^+ e^- \rightarrow \ell^+ \ell^-$ and $e^+ e^- \rightarrow \gamma \gamma$
- Buskulic 93F Phys. Lett. 308B:425, 1993; CERN-PPE-93-75;
Search for High Mass Photon Pairs in $e^+ e^- \rightarrow f\bar{f} \gamma \gamma$ ($f = e^-, \mu^-, \tau^\pm, \nu, q$) at LEP
- Buskulic 93G Phys. Lett. 313B:509, 1993; CERN-PPE-93-94;
An Experimental Study of $\gamma \gamma \rightarrow$ Hadrons at LEP
- Buskulic 93H Phys. Lett. 311B:425, 1993; Phys. Lett. 316B:631, 1993; CERN-PPE-93-97;
First Measurement of the B_s Meson Mass
- Buskulic 93I Phys. Lett. 313B:498, 1993; CERN-PPE-93-99;
Observation of the Time Dependence of B^0 \bar{B}^0 Mixing
- Buskulic 93J Phys. Lett. 313B:535, 1993; CERN-PPE-93-108;
A Precise Measurement of $\Gamma(Z^0 \rightarrow b \bar{b})/\Gamma(Z^0 \rightarrow \text{Hadrons})$
- Buskulic 93K Phys. Lett. 313B:299, 1993; CERN-PPE-93-110;
Search for the Standard Model Higgs Boson
- Buskulic 93L Phys. Lett. 313B:312, 1993; CERN-PPE-93-111;
Search for a Non-Minimal Higgs Boson Produced in the Reaction $e^+ e^- \rightarrow h Z^0$
- Buskulic 93M Phys. Lett. 313B:549, 1993; CERN-PPE-93-113;
Measurement of the Ratio $\Gamma_{b\bar{b}}/\Gamma_{\text{had}}$ Using Event Shape Variables
- Buskulic 93N Phys. Lett. 314B:459, 1993; CERN-PPE-93-116;
Measurement of the b Hadron Lifetime with the Dipole Method
- Buskulic 93O Phys. Lett. 313B:520, 1993; CERN-PPE-93-120;
A Direct Measurement of the Invisible Width of the Z^0 from Single Photon Counting
- Buskulic 93P Z. Phys. C62:1, 1994; CERN-PPE-93-208; FSU-SCRI-94-61;
Production of Charmed Mesons in Z^0 Decays
- Buskulic 94 Phys. Lett. 321B:168, 1994; CERN-PPE-93-181; FSU-SCRI-94-19;
Correlation Measurements in $Z^0 \rightarrow \tau^+ \tau^-$ and the τ Neutrino Helicity
- Buskulic 94B Phys. Lett. 322B:275, 1994; CERN-PPE-93-214; RSU-SCRI-94-32;
Measurement of the B_s Lifetime
- Buskulic 94C Phys. Lett. 322B:441, 1994; CERN-PPE-93-221; FSU-SCRI-94-34;
An Investigation of B^0 and B_s Oscillation
- Buskulic 94D Z. Phys. C62:179, 1994; CERN-PPE-94-017; FSU-SCRI-94-60;
Heavy Flavor Production and Decay with Prompt Leptons in the ALEPH Detector
- Buskulic 94E Z. Phys. C62:539, 1994; CERN-PPE-94-030; FSU-SCRI-94-77;
 Z^0 Production Cross-Sections and Lepton Pair Forward-Backward Asymmetries
- Buskulic 94F Phys. Lett. 332B:219, 1994; CERN-PPE-94-059;
 K^0 Production in One Prong τ^\pm Decays
- Buskulic 94G Phys. Lett. 332B:209, 1994; CERN-PPE-94-058;
One Prong Tau Decays into Charged Kaons

Buskalic 94H

Camerini 93

- Buskalic 94H Phys. Lett. 335B:99, 1994; CERN-PPE-94-084;
A Measurement of A_{FB}^b in Lifetime Tagged Heavy Flavor Z^0 Decays
- Buskalic 94I Phys. Lett. 334B:244, 1994;
Observation of Monojet Events and Tentative Interpretation
- Buskalic 94J Phys. Lett. 346B:371, 1995; CERN-PPE-94-175;
Search for CP Violation in the Decay $Z^0 \rightarrow \tau^+ \tau^-$
- Buskalic 94K Z. Phys. C66:3, 1995; CERN-PPE-94-169;
Study of the Four-Fermion Final State at the Z^0 Resonance
- Buskalic 94L Phys. Lett. 345B:103, 1995; CERN-PPE-94-173;
A Study of $D^*(2010)^+ \pi^-$ Production in Semileptonic B Decay
- Buskalic 94M Z. Phys. C64:361, 1994; CERN-PPE-94-074;
Production of K^0 and Λ in Hadronic Z^0 Decays
- Buskalic 94N Z. Phys. C66:355, 1995; CERN-PPE-94-201;
Inclusive π^\pm, K^\pm and (p, \bar{p}) Differential Cross-Sections at the Z^0 Resonance
- Buskalic 95 Phys. Lett. 343B:444, 1995; CERN-PPE-94-165;
Measurement of the $b \rightarrow \tau^- \bar{\nu}_\tau$ X Branching Ratio and an Upper Limit on $B^- \rightarrow \tau^- \bar{\nu}_\tau$
- Buskalic 95B Phys. Lett. 349B:585, 1995; CERN-PPE-95-03;
An Upper Limit for the Tau-Neutrino Mass from $\tau^\pm \rightarrow 5\pi$ (π^0 's) ν_τ Decays
- Buskalic 95C Phys. Lett. 355B:595, 1995; CERN-PPE-95-040;
Measurement of the $D^*(2010)^\pm$ Cross-Section in Two Photon Collisions at LEP
- Buskalic 95D Z. Phys. C69:365, 1996; CERN-PPE-95-089;
First Measurement of the Quark-to-Photon Fragmentation Function
- Buskalic 95E Phys. Lett. 369B:151, 1996; CERN-PPE-95-121;
A Precise Measurement of the Average b Hadron Lifetime
- Buskalic 95F Phys. Lett. 357B:685, 1995; CERN-PPE-95-65;
Measurements of the B Baryon Lifetime
- Buskalic 95G Phys. Lett. 355B:381, 1995; CERN-PPE-95-018;
Test of the Flavor Independence of α_S
- Buskalic 95H Z. Phys. C70:549, 1996; CERN-PPE-95-128;
Measurement of the τ^\pm Lepton Lifetime
- Buskalic 95I Z. Phys. C69:585, 1996; CERN-PPE-95-092;
Measurement of D_s^+ Meson Production in Z^0 Decays and of the \bar{B}_s Lifetime
- Buskalic 95J Phys. Lett. 352B:479, 1995; CERN-PPE-95-044;
The Forward-Backward Asymmetry for Charm Quarks at the Z^0 Pole
- Buskalic 95K Z. Phys. C69:183, 1995; CERN-PPE-95-023;
Improved τ^\pm Polarization Measurement
- Buskalic 95L Phys. Lett. 357B:699, 1995; CERN-PPE-95-113;
Measurement of the Effective b Quark Fragmentation Function at the Z^0 Resonance
- Buskalic 95M Z. Phys. C69:15, 1995; CERN-PPE-95-082;
Measurement of the Charged Particle Multiplicity Distribution in Restricted Rapidity Intervals
- Buskalic 95N Z. Phys. C70:561, 1996; CERN-PPE-95-127;
Tau Leptonic Branching Ratios
- Buskalic 95O Z. Phys. C70:579, 1996; CERN-PPE-95-140;
Tau Hadronic Branching Ratios
- Buskalic 95P Phys. Lett. 346B:379, 1995; Phys. Lett. 363B:265, 1995; CERN-PPE-94-209;
Michel Parameters and τ^\pm Neutrino Helicity from Decay Correlations in $Z^0 \rightarrow \tau^+ \tau^-$
- Buskalic 95Q Phys. Lett. 346B:389, 1995; CERN-PPE-94-208;
Study of the Subjet Structure of Quark and Gluon Jets
- Buskalic 95R CERN-PPE-95-184;
Quark and Gluon Jet Properties in Symmetric Three-Jet Events
- Buskalic 95S Phys. Lett. 359B:236, 1995; CERN-PPE-95-094;
A Measurement of the $|V_{cb}|$ from $\bar{B}^0 \rightarrow D^*(2010)^+ \ell^- \bar{\nu}$
- Buskalic 95T Phys. Lett. 361B:221, 1995; CERN-PPE-95-125;
Measurement of the B_s Lifetime and Production Rate with $D_s^- \ell^+$ Combinations in Z^0 Decays
- Buskalic 95U Phys. Lett. 356B:409, 1995; CERN-PPE-95-084;
Limit on B_s Oscillation Using a Jet Charge Method
- Buskalic 95V Z. Phys. C69:393, 1996; CERN-PPE-95-108;
Production of Excited Beauty States in Z^0 Decays
- Buskalic 96 Phys. Lett. 374B:319, 1996; CERN-PPE-96-04;
Measurement of Λ Polarization from Z^0 Decays
- Busse 93 DESY-F15-93-04;
Study of the Decay $D_s^+ \rightarrow K^0 K^+$
- Buta 95 Nucl. Phys. A584:397, 1995;
Azimuthal Correlation Functions and the Energy of Vanishing Flow in Nucleus-Nucleus Collisions
- Butler 92 Phys. Rev. Lett. 69:2041, 1992; CLNS-92-1143; CLEO-92-03;
Measurement of the $D^*(2010)$ Branching Fractions
- Butler 93 Phys. Rev. D49:40, 1994; CLNS-93-1234; CLEO-93-12;
Analysis of Hadronic Transitions in $\Upsilon(3S)$ Decays
- Butler 94 Phys. Lett. 324B:255, 1994; CLNS-94-1272; CLEO-94-7;
A Measurement of $B(D_s^+ \rightarrow \phi \ell^+ \nu)/B(D_s^+ \rightarrow \phi \pi^+)$
- Butler 95 Phys. Rev. D52:2656, 1995; CLNS-95-1324; CLEO-95-3;
Measurement of the Ratio of Branching Fractions $B(D^0 \rightarrow \pi^- e^+ \nu_e)/B(D^0 \rightarrow K^- e^+ \nu_e)$
- Butterworth 95 DESY-95-043;
Photon Structure as Seen at HERA
- Byrum 94 FERMILAB-CONF-94-325-E;
Charmonium Production, b Quark and B Meson Production and $b \bar{b}$ Correlations at CDF
- Calen 93 Phys. Lett. 303B:10, 1993;
Deuteron Breakup by 1.15 GeV Protons and Excitation of the Δ isobar
- Camerini 93 Nucl. Phys. A552:451, 1993;
Threshold Behaviour of the $\pi^+ \pi^-$ Invariant Mass in Nuclei

- Cameron 92 UR-1262; ER-40685-715;
Search for New Photon Couplings in a Magnetic Field
- Cameron 93 Phys. Rev. D47:3707, 1993;
Search for Nearly Massless, Weakly Coupled Particles by Optical Techniques
- Campagnari 91 FERMILAB-CONF-91-168-E;
Top Physics at CDF
- Campana 92 LNF-92-100-P;
Electroweak Physics with b Quarks at LEP
- Campion 91 RALT-124;
A Measurement of the τ^\pm Lifetime using the DELPHI Silicon Microstrip Vertex Detector
- Cao 93 IHHE-93-04;
A Measurement of the Cross-Section for the Process $e^+ e^- \rightarrow \mu^+ \mu^-$ Derived from the 1990 DELPHI Data in the Polar Angle Region $20^\circ < \theta < 160^\circ$
- Capon 91 LNF-91-027-R;
 B Physics at LEP
- Caracappa 91 Phys. Rev. Lett. 67:1206, 1991;
Beam-Polarization Observables in $\gamma\uparrow$ deuteron $\rightarrow p n$ and the Nuclear Tensor Force
- Carbonell 93 Phys. Lett. 306B:407, 1993;
On a Possible near Threshold $\Lambda \bar{\Lambda}$ State
- Carlson 94 Phys. Rev. C49:3090, 1994;
Proton Total Reaction Cross Section for ^{42}Ca , ^{44}Ca , and ^{48}Ca between 21 and 48 MeV
- Carr 94 Nuovo Cim. 107A:1959, 1994;
New Results on Electroweak b Physics from LEP
- Carrel 94 Phys. Lett. 325B:526, 1994;
Observation of Time Correlations in Cosmic Rays
- Carroll 93 FERMILAB-CONF-93-166-E;
Ratios of Cross Sections of Carbon, Calcium and Lead at Low X_{BJ} in Inelastic Muon Scattering
- Carter 94 FERMILAB-CONF-94-185-E;
Production Asymmetries in x_F and p_T^2 for D^\pm Mesons
- Carter 94B FERMILAB-CONF-94-383;
Production Asymmetries in x_F and p_T^2 for D^\pm Mesons
- Carusotto 92 Phys. Rev. Lett. 69:1722, 1992; CERN-PPE-92-63;
Test of the g Universality with a Galileo Type Experiment
- Casper 90 Phys. Rev. Lett. 66:2561, 1991; BU-HEP-90-23;
Measurement of Atmospheric Neutrino Composition with IMB-3
- Castro 94 Nuovo Cim. 107A:1807, 1994;
Status of Vector Meson Spectroscopy from DM2 $e^+ e^-$ Annihilation Studies in the 1350 - 2400 MeV Energy Range
- Cattaneo 93 IC-HEP-93-15;
Beauty and Charm Hadronic Decays at LEP
- Cdfcollabora 93F FERMILAB-CONF-93-210-E;
Measurement of the Ratio $R = \sigma \cdot B(p \bar{p} \rightarrow W^\pm \rightarrow e^\pm \nu) / \sigma \cdot B(p \bar{p} \rightarrow Z^0 \rightarrow e^+ e^-)$ in $p \bar{p}$ Collisions at CDF
- Cdfcollabora 93G FERMILAB-CONF-93-211-E;
A Search for New Gauge Bosons in $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV in the Dielectron Decay Mode
- Cdfcollabora 94B FERMILAB-CONF-94-138-E; CDF-PUB-BOTTOM-PUBLIC-2613;
Measurement of the B_s Meson Lifetime at CDF
- Cdfcollabora 94C FERMILAB-CONF-94-152-E; CDF-PUB-TOP-PUBLIC-2593;
Multi-Jet Analysis for the Top Quark Search at the Fermilab Collider
- Cdfcollabora 94D FERMILAB-CONF-94-154-E; CDF-PUB-ELECTROWEAK-PUBLIC-2676;
Production Properties of Z^0 Bosons with Jets in 1.8 TeV $p \bar{p}$ Collisions
- Cdfcollabora 94E FERMILAB-CONF-94-141-E;
Measurement of the B Meson Differential Cross-Sections in $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV Using the Exclusive Decays $B^\pm \rightarrow J/\psi(1S) K^\pm$ and $B^0 \rightarrow J/\psi(1S) K^*(892)^0$
- Cdfcollabora 94F FERMILAB-CONF-94-136-E;
 $J/\psi(1S)$, $\psi(2S) \rightarrow \mu^+ \mu^-$ and $B \rightarrow J/\psi(1S)$, $\psi(2S)$ Cross Sections
- Cecchini 93 Astropart. Phys. 1:369, 1993;
Fragmentation Cross Sections and Search for Nuclear Fragments with Fractional Charge in Relativistic Heavy Ion Collisions
- Ceretto 95 Nucl. Phys. A590:103c, 1995; CERN-PPE-95-80;
New Results from NA45/CERES
- Cerutti 95 Nucl. Phys. B, Proc. Suppl B40:71, 1995;
Measurement of an Upper Limit on the τ^\pm Neutrino Mass at ALEPH
- Cester 94 Ann. Rev. Nucl. Part. Sci. 44:329, 1994; FERMILAB-PUB-94-123;
Charmonium Formation in $p \bar{p}$ Annihilations
- Chacon 91 Phys. Rev. C43:2670, 1991; LBL-30084;
Pion Correlations in Relativistic Heavy Ion Collisions for Three Symmetric Systems
- Chakraborty 94 FERMILAB-CONF-94-294-E;
A Search for top $\bar{t} \rightarrow \ell + \text{missing } E_T + \text{jets}$. Signature in $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV with the D0 Detector
- Charlesworth 95 Nucl. Phys. B, Proc. Suppl B40:341, 1995;
Measurements of the τ^\pm Lifetime Using the Decay Length Method
- Charlet 93 HEN-366;
Star Integrals in NA22
- Chen 91 SLAC-PUB-5674;
Evidence for $\rho(1700)$ from the Decay $J/\psi(1S) \rightarrow \pi^- \pi^+ \pi^0$
- Chen 91B Phys. Rev. Lett. 66:1283, 1991;
Longitudinal and Transverse Response Function $^{56}\text{Fe}(e^-, e^-)$ at Momentum Transfer near 1 GeV/c
- Chen 92 Phys. Rev. C45:2332, 1992;
Neutron Yields and Angular Distributions Produced in Antiproton Annihilation at Rest in Uranium
- Chen 92B Phys. Rev. Lett. 69:3286, 1992; FERMILAB-PUB-92-242;
First Observation of Magnetic Moment Precession of Channeled Particles in Bent Crystals

Chen 92C

Chudakov 94

- Chen 92C Phys. Rev. Lett. 69:3151, 1992;
New Limits on the 17 KeV Neutrino
- Chen 93 Phys. Rev. C47:2159, 1993;
Polarization Transfer in Quasifree (p,n) Reactions at 495 MeV
- Chen 94 Phys. Rev. C49:3200, 1994;
Interactions in Hydrogen of Relativistic Neon to Nickel Projectiles: Total Charge-Changing Cross Sections
- Chen 94B Nucl. Phys. A569:616, 1994;
Cross Section and Recoil Properties of the Products from the Interaction of 240 MeV ^{12}C Ions with Ag
- Chernikov 92 Phys. Rev. Lett. 68:3383, 1992;
Low-Temperature Upper Limit of the Photon Mass: Experimental Null Test of Ampere's Law
- Chernykh 94 Kr. Soob. JINR 67:29, 1994;
Tensor Analyzing Power T_{20} for deuteron \uparrow $^{12}\text{C} \rightarrow p X$ at $\theta_p = 0^\circ$ in the Region of High Internal Momenta in the Deuteron
- Cherry 94 KINP-1637-PH;
Interactions of 10.6 GeV/Nucleon Gold Nuclei in Nuclear Emulsion
- Cherry 94B Z. Phys. C63:549, 1994;
Interactions of 10.6 GeV/Nucleon Gold Nuclei with Light and Heavy Nuclei in Nuclear Emulsion
- Cherry 94C Phys. Rev. D50:4272, 1994;
Measurements of 525 GeV Pion Interactions in Emulsion
- Cherry 95 Phys. Rev. C52:2652, 1995;
Fragmentation and Multifragmentation of 10.6 A GeV Gold Nuclei
- Cherry 96 Phys. Rev. C53:1532, 1996;
Intermittency in ^{197}Au Fragmentation
- Cheung 92 Phys. Lett. 284B:210, 1992;
Polarization Transfer in ^1H (deuteron \uparrow , $p\uparrow$) X at 2.1 GeV
- Cheung 93 FERMILAB-CONF-93-164-E;
Charm Baryon Production and Decays in E689
- Chiarelli 93 FERMILAB-CONF-93-360-E;
Measurement of $\bar{p} p$ Elastic and Total Cross Section at $\sqrt{s} = 546$ and 1800 GeV at CDF
- Chiavassa 92 Z. Phys. A344:345, 1992;
 η Production in Nuclei by Protons at $T_p < 1$ GeV
- Chiavassa 92B Z. Phys. A342:107, 1992;
Subthreshold Inclusive η Production in Nuclei by 1 GeV Protons
- Chiavassa 94 Phys. Lett. 322B:270, 1994;
Measurement of the $p p \rightarrow p p \eta$ Total Cross Section between 1.265 and 1.5 GeV
- Chiavassa 94B Phys. Lett. 337B:192, 1994;
 η -Meson Production in p deuteron and $p p$ Collisions
- Chiavassa 94C Nuovo Cim. 107A:1195, 1994;
Kinetic-Energy Spectrum of η -Meson Produced on Boron by 1 GeV Protons
- Chiba 91 Phys. Rev. Lett. 67:1982, 1991; KEK-91-80;
Coincidence Measurement for p, n Reaction at 1.5 GeV/c on C and p in the Δ Excitation Region
- Chiba 91B Phys. Rev. D44:1933, 1991; KEK-91-75;
Measurement of γ -Ray from Antiproton-Deuterium Annihilation at Rest
- Chiba 93 Nucl. Phys. A553:771, 1993;
Enhancement of Subthreshold Antiproton Productions in Deuteron Induced Reactions
- Chiba 94 KEK-PS 1990-1994 p. 275;
Subthreshold Antiproton Productions in $p A$, deuteron A and αA Reactions
- Chine 92 Phys. Rev. Lett. 68:270, 1992;
Constraints on 17-keV Neutrinos
- Chkhaidze 92 Z. Phys. C54:179, 1992;
The Temperatures of Protons and π^- Mesons in Central Nucleus-Nucleus Interactions at a Momentum of 4.5 GeV/c per Incident Nucleon
- Chkhaidze 95 Jour. of Phys. G 21:1223, 1995;
The Study of Angular Distribution of π^- Mesons in Nucleus-Nucleus Interactions at a Momentum of 4.5 GeV/c per Nucleon
- Chklovskaja 95 Jour. of Phys. G 21:307, 1995;
Production Region of Identical Pions at 38 GeV/c π^- Nuclei Interactions with High p_T Particles
- Chliapnikov 92 Usp. Fiz. Nauk 162:1, 1992; IFVE-92-1;
Charged Particle Multiplicity Distributions in the Process of $e^+ e^-$ Annihilation into Hadrons in the LEP Experiments
- Chmeissani 92 Phys. Rev. D46:1919, 1992; UM-HE-92-6;
Measurement of the Strong Coupling Constant α_s at the Z^0 Resonance Using Modified Jet Mass Difference
- Choban 91 INR-735-91;
Trimuons of Non-Electromagnetic Origin in Neutrino(Antineutrino)-Nucleon Collisions
- Choi 93 Phys. Rev. Lett. 71:3927, 1993;
Axial and Pseudoscalar Nucleon Form Factors from Low Energy Pion Electroproduction
- Choi 94 Nucl. Phys. A577:213c, 1994;
Positive Photopion Production from ^{12}C , ^{13}C Using Tagged Photons
- Choi 95 Phys. Lett. 355B:406, 1995; KEK-95-27;
A Measurement of Bose-Einstein Correlations in $e^+ e^-$ Annihilation at TRISTAN
- Chrin 92 CERN-PPE-92-201;
Recent Results on the Strong Coupling Constant from the DELPHI Experiment at LEP
- Christie 91 Nucl. Phys. A525:649c, 1991;
Pion Correlation in Relativistic Heavy Ion Collisions at the BEVALAC
- Christie 92 Phys. Rev. C45:2836, 1992;
Pion Correlations in 1.8 A GeV Ar on KCl and 1.2 A GeV Xe on La
- Christie 93 Phys. Rev. C47:779, 1993;
Pion Correlation for 1.2 A GeV Lanthanum on Lanthanum
- Christie 93B Phys. Rev. C48:2973, 1993;
Fragmentation of 1.2 GeV per Nucleon ^{139}La
- Chudakov 94 Nuovo Cim. 107A:1971, 1994;
Charm Production in the CERN Hyperon Beam

Chui 93

- Chui 93 Phys. Rev. Lett. 71:3247, 1993;
Experimental Search for Anomalous Spin-Spin Interaction between Electrons
- Ciampa 92 Phys. Rev. D46:3248, 1992;
Search for Compact Sources of Cosmic Photons above 200 TeV
- Cianciolo 95 Nucl. Phys. A590:459c, 1995;
Bose-Einstein Correlation of Positive Kaon Pairs in E859 — Extended Results and Model Comparisons
- Cinabro 93 Phys. Rev. Lett. 70:3700, 1993; CLNS-93-1195; CLEO-93-3;
A Limit of the Tau Neutrino Mass
- Cinabro 93B Phys. Rev. Lett. 72:1406, 1994; CLNS-93-1262; CLEO-93-23;
Observation of $D^0 \rightarrow K^+ \pi^-$
- Cinabro 94 Phys. Lett. 340B:129, 1994; CLNS-94-1297; CLEO-94-20;
Measurement of the Branching Fraction for $\Upsilon(1S) \rightarrow \tau^+ \tau^-$
- Claes 94 FERMILAB-CONF-94-290-E;
Search for Squarks and Gluinos in D0
- Clajus 95 Jour. of Phys. G 21:1363, 1995;
Measurement and Calculation of Polarization Transfer Coefficients in the Reactions $H_2(\bar{p}, \bar{p})H_2$ at $E_p = 22.5$ MeV
- Clausen 93 Phys. Rev. C48:1632, 1993;
High Resolution 162 MeV Pion Scattering to 6-Stretched States in ^{26}Mg
- Clauton 92 Phys. Rev. C45:1810, 1992;
Proton-Deuteron Bremsstrahlung at 145 and 195 MeV
- Clauton 92B Phys. Rev. C45:1815, 1992;
High Energy Gamma Ray Production in Proton-Induced Reactions at 104, 145 and 195 MeV
- Clerc 95 Nucl. Phys. A590:785, 1995;
The Influence of Fission on the Fragmentation of Relativistic ^{208}Pb and ^{238}U Projectiles in Peripheral Collisions
- Cline 92 Mod. Phys. Lett. A7:1201, 1992; UCLA-APH-0051-2-92;
The Evidence for a 17-keV Neutrino Revisited
- Coan 95 Phys. Lett. 356B:580, 1995; CLNS-95-1332; CLEO-95-6;
Measurement of α_S from τ^\pm Decays
- Coan 96 Phys. Rev. D53:6037, 1996; CLNS-96-1391; CLEO-96-3;
Decays of Tau Leptons to Final States Containing K_S Mesons
- Cobal 93 FERMILAB-CONF-93-320-E;
New Particle Searches at CDF
- Coc 92 Yad. Phys. 55:3141, 1992;
Neutral Strange Particle Production in Antideuteron-Nuclei Interactions at 12.2 GeV/c
- Coffman 91 Phys. Lett. 263B:135, 1991; SLAC-PUB-5311;
Measurement of the Inclusive Decay Properties of Charmed Mesons
- Coffman 92 Phys. Rev. Lett. 68:282, 1992; Phys. Rev. Lett. 69:3689, 1992; SLAC-PUB-5592; IOWA-91-17;
Direct Measurement of the $J/\psi(1S)$ Leptonic Branching Fraction
- Coffman 92B Phys. Rev. D45:2196, 1992; SLAC-PUB-5447;
Resonant Substructure in $\bar{K} \pi \pi \pi$ Decays of D Mesons
- Colas 91 DPHPE-91-12;
B Physics at LEP
- Colas 94 DAPNIA-SPP-94-01;
Charmed Meson Production at LEP
- Cole 91 Nucl. Phys. B, Proc. Suppl B25:40, 1991;
Average Transverse Momentum vs. $dN_c/d\eta$ for Mass-Identified Particles at Tevatron Energies
- Cole 92 Nucl. Phys. A544:553c, 1992;
Particle Production at High p_T in $^{28}\text{Si}+A$ Collisions at 14.6 A GeV/c
- Colombo 94 Nuovo Cim. 107A:2345, 1994;
Hard Scattering in Photoproduction
- Combescomets 91 Phys. Rev. C43:973, 1991;
Search for $T = 2$ Dibarions in the $p + p \rightarrow \pi^- X$ Reaction and Study of Highly Inelastic nucleon nucleon Scattering
- Comptour 94 Nucl. Phys. A579:596, 1994; DAPNIA-SPHN-94-11;
A Study of the $p p \rightarrow p p \pi^0$ Reaction at 800 MeV Beam Energy Using the DIOGENE Detector at Saturne
- Condo 91 Phys. Rev. D43:2787, 1991;
Photoproduction of an Isovector $\rho \pi$ State at 1775 MeV
- Condo 93 Phys. Rev. D48:3045, 1993;
Further Results from Charge-Exchange Photoproduction
- Condo 94 Phys. Rev. D49:2164, 1994;
Inelastic ρ^0 Photoproduction in the Reaction $\gamma p \rightarrow \rho^0 \pi^+ n$
- Conrad 95 FERMILAB-CONF-95-018;
Some Highlights of the Recent Fermilab Fixed Target Program of Interest to the Nuclear Physics Community
- Contreras 91 FERMILAB-CONF-91-294-E;
Top Search at CDF
- Converse 93 Phys. Lett. 304B:60, 1993;
Measurement of the Asymmetry Parameter for ^{35}Ar β -Decay as a Test of the CVC Hypothesis
- Cooper 93 FERMILAB-CONF-93-403-E;
Hyperon Weak Radiative Decays and Magnetic Moments
- Coopersarkar 91 Phys. Lett. 280B:153, 1992; OUNP-91-36;
Bound on the Tau Neutrino Magnetic Moment from the BEBC Beam Dump Experiment
- Corcoran 91 Phys. Lett. 259B:209, 1991; ANL-HEP-PR-90-119; DOE-ER-05096-42;
Evidence for Multiple Scattering of High-Energy Partons in Nuclei
- Cords 93 Phys. Lett. 302B:341, 1993; SLAC-PUB-5901; LBL-32903;
Inclusive Charged Hadron and K^0 Production in Two Photon Interactions
- Cornaz 94 Phys. Rev. Lett. 72:1152, 1994;
Determination of the Gravitational Constant at an Effective Interactions Distance of 12 m
- Cosmo 92 UDINE-92-02-AA;
DELPHI Results on the Measurement of the Partial Hadronic Widths of the Z^0 Using Neural Networks

- Cosulich 92 Phys. Lett. 295B:143, 1992;
Detection of ^{187}Re β Decay with a Cryogenic Microcalorimeter. Preliminary Results
- Cowley 91 Phys. Rev. C44:329, 1991;
Quasifree Knockout in ^{16}O ($p, 2p$) ^{15}N it at the Incident Energy of 151 MeV
- Cowley 94 Phys. Rev. C50:2449, 1994;
Quasifree Knockout in ^9Be ($\alpha, 2\alpha$) ^5He at an Incident Energy of 197 MeV
- Crane 93 FERMILAB-CONF-93-362-E;
 b Production at CDF
- Crawford 91 Phys. Rev. D44:3394, 1991;
Measurement of the Ratio $\text{Br}(D^0 \rightarrow K^*(892) e^+ \nu_e) / \text{Br}(D^0 \rightarrow K^- e^+ \nu_e)$
- Crawford 91B Phys. Rev. D45:752, 1992; CLNS-91-1066; CLEO-91-3;
Measurement of Baryon Production in B -Meson Decay
- Crawford 91C Phys. Rev. D43:46, 1991; PSI-PR-90-25;
Precision Measurement of the Pion Mass Difference $m_{\pi^-} - m_{\pi^0}$
- Crawford 92 Phys. Lett. 294B:139, 1993; CLNS-92-1151; CLEO-92-2;
Exclusive $\chi_{b1}(2P)$, $\chi_{b2}(2P)$ Production in $\Upsilon(3S)$ Decay
- Crawford 93 Phys. Rev. Lett. 71:3259, 1993; CLNS-93-1230; CLEO-93-09;
Observation of the Charmed Baryon $\Sigma_c(2455)^+$ and Measurement of the Isospin Mass Splitting of the $\Sigma_c(2455)$
- Crawford 95 Phys. Rev. Lett. 75:624, 1995; CLNS-94-1306; CLEO-94-24;
Form Factor Ratio Measurement in $\Lambda_c^+ \rightarrow \Lambda e^+ \nu_e$
- Cronin 92 Phys. Rev. D45:4385, 1992; EFI-91-35;
Search for Discrete Sources of 100 TeV Gamma Radiation
- Cronstrom 91 RX-1372;
Kaons in Flavor Tagged B Meson Decays
- Crosland 91 RALT-117;
Studies of Muon-Pair Production in $e^+ e^-$ Annihilations at the LEP Collider
- Cross 95 Nucl. Phys. A593:463, 1995;
Proton Photoproduction from ^{12}C
- Cumming 93 Phys. Rev. C46:2042, 1993;
Momentum Transfer in Reactions of 13.6 GeV/Nucleon ^{16}O with Copper
- Cumming 93B Phys. Rev. C48:2068, 1993;
Interaction of 13.6 GeV/Nucleon ^{16}O and ^{28}Si with Carbon, Aluminum, and Copper
- Cummings 92 Phys. Rev. Lett. 68:293, 1992;
Energetic Protons and Deuterons Emitted Following μ^- Capture by ^3He Nuclei
- Cummings 95 TRI-PP-95-65;
First Measurement of the Vector Analyzing Power in Muon Capture by Polarized Muonic ^3He
- Czapek 91 Jour. of Phys. G 17:S41, 1991;
A Precision Measurement of the Branching Ratio of the Rare Pion Decay into a Positron and a Neutrino
- Czapek 93 Phys. Rev. Lett. 70:17, 1993;
Branching Ratio for the Rare Pion Decay into Positron and Neutrino
- Dabrowska 93 Phys. Rev. D47:1751, 1993; INP-1595-PH;
Particle Production in Interactions of 200 GeV/Nucleon Oxygen and Sulfur in Nuclear Emulsion
- Dabrowska 93C Z. Phys. C59:399, 1993; INP-1617-PH;
Evidence for a Nuclear Phase Transition in Target Nuclei after Relativistic Nuclear Interactions
- Dabrowska 95B Z. Phys. C68:65, 1995;
Phase Space Dependence of the Correlations among Particles Produced in High Energy Nuclear Collisions
- Dacruz 93 Phys. Rev. C48:3106, 1993; LBL-33904;
Thick Target Yields of Iodine Isotopes from Proton Interactions in Te, and the Double- β Decays of ^{128}Te , ^{130}Te
- Dadykin 93 Izv. Akad. Nauk SSSR, Fiz. 57-4:121, 1993;
Limits on Low Energy Neutrino Flux According to Data of LSD Array under Mt. Mont Blanc
- Daehnick 95 Phys. Rev. Lett. 74:2913, 1995;
Differential Cross Sections for $p p \rightarrow p n \pi^+$ near Threshold
- Dainton 94 RAL-94-012;
Results from the H1 Experiment at HERA
- Dallatorreco 92 Yad. Phys. 55:1176, 1992;
Measurement of the Depolarization Parameter and the Spin Transfer Parameter in the Charge-Exchange Reaction $\bar{p} p \rightarrow \bar{n} n$ at LEAR
- Dam 92 CERN-PPE-92-82; UIO-PHYS-92-16;
 τ^\pm Physics at LEP
- Dam 95 Nucl. Phys. B, Proc. Suppl B40:227, 1995;
Measurement of the τ^\pm Leptonic Branching Fractions in DELPHI
- Danevich 95 Phys. Lett. 344B:72, 1995;
The Search of 2β Decays of ^{116}Cd with Enriched ^{114}Cd Wt O_4 Crystal Scintillator
- Daniel 92 JINR-E1-92-174;
Neutron Production in Lead Targets by High-Energy Light-Mass Heavy Ions
- Daniel 94 Yad. Phys. 57:1809, 1994;
Trapping of Antiprotons in Metastable Antiprotonic Helium Atoms: Progress and Prospects
- Daniels 94 FERMILAB-CONF-94-212-E;
 $J/\psi(1S)$, $\psi(2S) \rightarrow \mu^+ \mu^-$ and $b \rightarrow J/\psi(1S)$, $\psi(2S)$ Cross Sections
- Danielsen 92 Nuovo Cim. 105A:879, 1992;
Note on a Narrow Peak at 1170 MeV/ c^2 in Neutral Three-Pion Systems Produced in the Reaction $p p \rightarrow p p \pi^+ \pi^- \pi^0$ at 19 GeV/ c
- Danilov 94 ITEP-94-53;
Recent ARGUS and CLEO Results on τ^\pm Lepton and charm
- Danilova 92 Yad. Phys. 55:2968, 1992;
Energy Dependence of Nuclear Content of Primary Cosmic Radiation in the Range from 1 to 10 PeV
- Daoudi 91 Phys. Rev. D45:3965, 1992; CLNS-91-1108; CLEO-91-9;
Two-Body D_s^+ Decays to $\eta \pi^+$, $\eta' \pi^+$, $\eta \rho^+$, and $\phi(1020) \rho^+$

Daoudi 93

- Daoudi 93 COLO-HEP-323;
Recent Results on Tau Decays from CLEO-II
- Dardenne 94 Phys. Rev. C49:2058, 1994;
Inclusive Protonlike Production Cross Sections from 0.757 GeV/Nucleon La+La Collisions
- Dassie 91 Nucl. Instr. and Meth. A309:465, 1991; LAL-91-29;
Double β Decay Prototype Detector with Multiwire Drift in the Geiger Mode
- Dassie 94 Phys. Rev. D51:2090, 1995; LAL-94-46;
Two-Neutrino Double Beta Decay Measurement of ^{100}Mo
- Dasu 94 Phys. Rev. D49:5641, 1994; SLAC-PUB-5814; UR-1304; ER-40685-753;
Measurement of Kinematic and Nuclear Dependence of $R = \sigma_L/\sigma_T$ in Deep Inelastic Electron Scattering
- Daszewski 95 Z. Phys. A351:225, 1995;
The Q_{EC} Dependence of Evidence for a 17 keV Neutrino from the ^{55}Fe Radiative Decay
- Daum 91 Phys. Lett. 265B:425, 1991; PSI-PR-91-07;
New Precision Measurement of the Muon Momentum in Pion Decay at Rest
- Daum 95 Phys. Lett. 361B:179, 1995; PSI-PR-95-19;
Search for a Neutral Particle of Mass 33.9 MeV in Pion Decay
- Daum 95B Z. Phys. C66:417, 1995; WU-B-95-03;
Determination of the Atmospheric Neutrino Spectra with the Frejus Detector
- Davis 95 Phys. Rev. C53:2052, 1996; TRI-PP-95-54;
The Zero Crossing Angle of the $n p$ Analyzing Power
- Day 93 Phys. Rev. C48:1849, 1993;
Inclusive Electron-Nucleus Scattering at High Momentum Transfer
- Dayon 92 Z. Phys. C56:391, 1992;
Backward Emitted Protons in Interactions of Neutrinos with Nuclei in Photoemulsion
- Deangelis 91 UDINE-91-07-AA;
Intermittency in $e^+ e^-$ Annihilations
- Deangelis 91B UDINE-91-08-AA;
Hadronic Branching Fractions of the Z^0 Boson
- Deangelis 91C UDINE-91-05-AA; INFN-AE-91-11;
Recent DELPHI Results on Multiplicity Fluctuations in Hadronic Final States from the Decay of the Z^0 Boson
- Deangelis 93 Jour. of Phys. G 19:1233, 1993; CERN-PPE-93-35;
Baryon Production in $e^+ e^-$ Annihilations
- Debarbaro 94 FERMILAB-CONF-94-246-E;
Tests of Structure Functions Using Leptons at CDF: The Charge Asymmetry in W^\pm -Boson Decays
- Debarbaro 95 FERMILAB-CONF-95-164-E; CDF-PUB-EWK-PUBLIC-3190;
Tests of Proton Structure Functions Using Leptons at CDF and D0: W^\pm Charge Asymmetry and Drell-Yan Production
- Debevec 92 Phys. Rev. C45:904, 1992;
Absolute Measurement of the Differential Cross Section for Deuteron Photodisintegration from 63 to 71 MeV
- Deboer 91 Phys. Rev. D43:3063, 1991;
Search for Bound State of Negative Pions and Neutrons in Relativistic Heavy-Ion Reaction
- Debraeckelee 95 Phys. Rev. C51:2778, 1995;
Radiative Decays of the 16.6 and 16.9 MeV States in ^8Be and Tests of the Conservation of the Vector Current in the $A = 8$ Multiplet
- Decamp 90 Phys. Lett. 255B:623, 1991; CERN-PPE-90-176;
Measurement of the Strong Coupling Constant α_s from Global Event-Shape Variables of Hadronic Z^0 Decays
- Decamp 90M Phys. Lett. 257B:492, 1991; CERN-PPE-90-195;
Measurement of the B Hadron Lifetime
- Decamp 90N Phys. Lett. 257B:479, 1991; CERN-PPE-90-196;
Measurement of α_s from the Structure of Particle Clusters Produced in Hadronic Z^0 Decays
- Decamp 91 CERN-PPE-91-19;
Search for the Standard Higgs Boson Produced in the Reaction $e^+ e^- \rightarrow \text{higgs } Z^0^*$
- Decamp 91B Phys. Lett. 259B:377, 1991; CERN-PPE-91-27;
Measurement of Charge Asymmetry in Hadronic Z^0 Decays
- Decamp 91C Phys. Lett. 262B:139, 1991; CERN-PPE-91-26;
Search for a New Weakly Interacting Particle
- Decamp 91D Phys. Lett. 258B:236, 1991; CERN-PPE-90-194;
Measurement of $B-\bar{B}$ Mixing at the Z^0
- Decamp 91E Phys. Lett. 264B:476, 1991; CERN-PPE-91-89;
Measurement of Isolated Photon Production in Hadronic Z^0 Decays
- Decamp 91F Phys. Lett. 263B:112, 1991; CERN-PPE-91-65;
Charged Particle Pair Production Associated with a Lepton Pair Production in Z^0 Decays
- Decamp 91G Phys. Lett. 263B:325, 1991; CERN-PPE-91-71;
Measurement of the Forward-Backward Asymmetry in $Z^0 \rightarrow b \bar{b}$ and $Z^0 \rightarrow c \bar{c}$
- Decamp 91H Phys. Lett. 265B:430, 1991; CERN-PPE-91-94;
Measurement of the Polarization of τ^\pm Leptons Produced in Z^0 Decays
- Decamp 91I Phys. Lett. 265B:475, 1991; CERN-PPE-91-111;
Search for the Higgs Bosons of the MSSM and other Two-Doublet Models
- Decamp 91J Phys. Lett. 266B:218, 1991; CERN-PPE-91-114;
Production and Decay of Charmed Mesons at Z^0 Resonance
- Decamp 91K Z. Phys. C53:21, 1992; CERN-PPE-91-121;
An Investigation into Intermittency
- Decamp 91L Phys. Lett. 273B:181, 1991; CERN-PPE-91-159;
Measurement of the Charged Particle Multiplicity Distribution in Hadronic Z^0 Decays
- Decamp 91M Phys. Rept. 216:253, 1992; CERN-PPE-91-149;
Searches for New Particles in Z^0 Decays Using the ALEPH Detector
- Decamp 91N Z. Phys. C53:1, 1992; CERN-PPE-91-105;
Improved Measurements of Electroweak Parameters from Z^0 Decays into Fermion Pairs
- Decamp 91O Z. Phys. C53:375, 1992; CERN-PPE-91-129;
Measurement of the Absolute Luminosity with the ALEPH Detector

Decamp 91P

Deroeck 94

- Decamp 91P Z. Phys. C54:75, 1992; CERN-PPE-91-183;
A Study of Bose-Einstein Correlations in $e^+ e^-$ Annihilation at 91 GeV
- Decamp 91Q Phys. Lett. 278B:209, 1992; CERN-PPE-91-229;
Evidence for b Baryons in Z^0 Decays
- Decamp 91R Z. Phys. C54:211, 1992; CERN-PPE-91-186;
Measurement of Tau Branching Ratios
- Decamp 91S Phys. Lett. 276B:247, 1992; CERN-PPE-91-232; L3-036;
Electroweak Parameters of the Z^0 Resonance and the Standard Model
- Decamp 92 Phys. Lett. 279B:411, 1992; CERN-PPE-92-3;
Measurement of the Tau Lepton Lifetime
- Decamp 92B Phys. Lett. 284B:163, 1992; CERN-PPE-92-33;
Measurement of the α_S in Hadronic Z^0 Decays Using All-Orders Resummed Predictions
- Decamp 92C Phys. Lett. 284B:151, 1992; CERN-PPE-92-31;
Evidence for the Triple-Gluon Vertex from Measurements of the QCD Colour Factors in Z^0 Decay into 4 Jets
- Decarlo 92 Nucl. Phys. A544:343c, 1992;
Results from E735 at Tevatron Proton-Antiproton Collider with $\sqrt{s} = 1.8$ TeV
- Decarlo 94 Nucl. Phys. A566:431c, 1994;
Recent Results E735: Search for Quark-Gluon Plasma in $p \bar{p}$ Collisions at 0.3 - 1.8 TeV
- Declais 94 Phys. Lett. 338B:383, 1994; LPC-94-42; LAPP-EXP-94-16;
Study of Reactor Anti-Neutrino Interaction with Proton at Bugey Nuclear Power Plant
- Decroek 93 Phys. Lett. 304B:50, 1993;
Radioactive Beam Investigation of the $^{13}\text{N}(p, \gamma)^{14}\text{O}$ Reaction and the Hot CNO Cycle
- Dedovich 94 Yad. Phys. 58:873, 1995; JINR-P1-94-98;
The Properties of Nucleon Clusters Production in $(p, \text{deuteron}) + \text{Ta}$ and $(p, \text{deuteron}) + \text{C}$ Interactions over Energy Range from 4.2 to 10 GeV/c per Nucleon
- Deglino 93 Mod. Phys. Lett. A8:471, 1993;
Bounds on Lepton Flavour Changing Currents and the Solar Neutrino Puzzle
- Degtyarenko 91 ITEP-91-36;
"Lambdameter"
- Degtyarenko 93 Z. Phys. A350:263, 1994; ITEP-93-49;
The Dependence of Proton Correlations on Integral Characteristics of e^\pm nucleus Interactions
- Degtyarenko 94 Phys. Rev. C50:R541, 1994;
Multiple Hadron Production by 14.5 GeV Electron and Positron Scattering from Nuclear Targets
- Degtyarenko 94B ITEP-94-87;
Proton-Pion Correlations in Electron-Nucleus Interactions
- Degtyarenko 95 ITEP-95-14;
Kinematical and Interference Correlations of Pions in e^\pm -A Interactions
- Dejongh 94 FERMILAB-CONF-94-245;
 B^+ and B^0 Mean Lifetime Measurements
- Delcenerosi 91 Phys. Rev. D43:3611, 1991;
Search for Massive Neutrinos in $\pi \rightarrow e^- \nu$ Decay
- Dellagnello 92 FERMILAB-CONF-92-335-E; CDF-PUB-SEC-VTX-PUBLIC-1889;
SVX b Physics Prospects
- Dellicarpini 91 Phys. Rev. C43:1525, 1991;
Coherent Photon Scattering Cross Sections for Helium near Δ Resonance
- Deloff 95 Z. Phys. A353:121, 1995;
Observation of Two Enhancements in $M_{\pi^- pp}$ in the Reaction $p \text{ deuteron} \rightarrow \pi^- p p p$ at 1 GeV
- Demarteau 93 FERMILAB-CONF-93-127;
Electroweak Results from D0
- Dementiev 92 INR-794-92;
Study of $A(p, \pi^0)X$ Reaction at Proton Beam of the Moscow Meson Facility
- Dementiev 94 Yad. Phys. 57:1036, 1994;
The Properties of the Exclusive Channel of Diffraction Dissociation in $\bar{p} p$ Interactions at 22.4 GeV/c
- Demin 94 Nuovo Cim. 107A:2351, 1994;
DELPHI Results on the Study of High-Energy Photons in $e^+ e^- \rightarrow f \bar{f}$ Events
- Denisov 91 Pisma Zh. Eksp. Teor. Fiz. 54:557, 1991;
New Measurement of the K^- Meson Mass
- Denisov 93 FERMILAB-CONF-93-352-E;
 B Production and $B^0 \bar{B}^0$ Mixing at D0
- Depommier 94 TRI-PP-94-77;
Observation of Radiative Muon Capture on the Proton
- Depospo 94 Phys. Rev. D50:6691, 1994;
Neutral Strange Particle Production in Neutrino and Antineutrino Charged-Current Interactions on Neon
- Derado 90B Z. Phys. C50:31, 1991; PRINT-90-0705 (MPI,MUNICH);
Production of Neutral Strange Particles in $p \text{ Ar}$, $p \text{ Xe}$ and $\bar{p} \text{ Xe}$ Collisions at 200 GeV
- Derado 91 Z. Phys. C54:357, 1992; MPI-PHE-91-08;
A Study of Fluctuations and Correlations in Deep-Inelastic Muon-Nucleon Scattering at 280 GeV
- Derado 92 Phys. Lett. 283B:151, 1992; MPI-PHE-91-05;
Multifractal Properties of Muon-Induced Multiparticle Production
- Derado 92B Z. Phys. C56:553, 1992; MPI-PHE-92-07;
Two Particle Correlations and the Origin of Intermittency in Muon-Nucleon Interactions
- Derbin 92 JETP Lett. 57:768, 1993; Pisma Zh. Eksp. Teor. Fiz. 57:755, 1993; LENI-92-1764;
Experimental Study of Antineutrino Scattering by Electron at Rovno Power Plant Reactor
- Derbin 92B Yad. Phys. 57:236, 1994; LENI-92-1765;
A Bound on the Magnetic Moment of the Reactor's Neutrino
- Derbin 93 Pisma Zh. Eksp. Teor. Fiz. 58:3, 1993; JETP Lett. 58:1, 1993;
Search for 17 keV Neutrinos in ^{63}Ni Beta Decay
- Deroeck 93 DESY-93-014;
First Measurements at HERA of Deep Inelastic Scattering at Low x
- Deroeck 94 DESY-94-005;
Results from the H1 Experiment at HERA

See the legend on page 5.

- Derrick 92 Phys. Lett. 293B:465, 1992; DESY-92-127;
A Measurement of $\sigma_{\text{tot}}(\gamma p)$ at $\sqrt{s} = 210$ GeV
- Derrick 92B Phys. Lett. 297B:404, 1993; DESY-92-138;
Observation of Hard Scattering in Photoproduction at HERA
- Derrick 92C Phys. Lett. 303B:183, 1993; DESY-92-180;
Initial Study of Deep Inelastic Scattering with ZEUS at HERA
- Derrick 93 Phys. Lett. 306B:173, 1993; DESY-93-017;
Search for Leptoquarks with ZEUS Detector
- Derrick 93B Phys. Lett. 306B:158, 1993; DESY-93-030;
Observation of Two-Jet Production in Deep Inelastic Scattering at HERA
- Derrick 93C Phys. Lett. 322B:287, 1994; DESY-93-151; ANL-HEP-PR-94-14;
Observation of Direct Processes in Photoproduction at HERA
- Derrick 93D Phys. Lett. 316B:412, 1993; DESY-93-110;
Measurement of the Proton Structure Function F_2 in $e^- p$ Scattering at HERA
- Derrick 93E Phys. Lett. 316B:207, 1993; DESY-93-075;
Search for Excited Electrons Using the ZEUS Detector
- Derrick 93F Phys. Lett. 315B:481, 1993; DESY-93-093;
Observation of Events with a Large Rapidity Gap in Deep Inelastic Scattering at HERA
- Derrick 94 Z. Phys. C63:391, 1994; DESY-94-032;
Measurement of Total and Partial Photon Proton Cross-Sections at 180 GeV Center of Mass Energy
- Derrick 94B Phys. Lett. 338B:483, 1994; DESY-94-117;
Comparison of Energy Flows in Deep Inelastic Scattering Events with and without a Large Rapidity Gap
- Derrick 94C Phys. Lett. 332B:228, 1994; DESY-94-063; ANL-HEP-PR-94-73;
Observation of Jet Production in Deep Inelastic Scattering with a Large Rapidity Gap at HERA
- Derrick 94D Z. Phys. C65:379, 1995; DESY-94-143;
Measurement of the Proton Structure Function F_2 from the 1993 HERA Data
- Derrick 94E Phys. Lett. 342B:417, 1995; DESY-94-176;
Inclusive Jet Differential Cross Section in Photoproduction at HERA
- Derrick 94F Phys. Lett. 346B:399, 1995; DESY-94-210;
Observation of Hard Scattering in Photoproduction Events with a Large Rapidity Gap at HERA
- Derrick 94G Z. Phys. C65:627, 1995; DESY-94-175;
A Search for Excited Fermions in Electron-Proton Collisions at HERA
- Derrick 94H Phys. Lett. 345B:576, 1995; DESY-94-192;
Extraction of the Gluon Density of the Proton at Small x
- Derrick 94I Z. Phys. C59:231, 1994; DESY-93-068;
Hadronic Energy Distributions in Deep-Inelastic Electron-Proton Scattering
- Derrick 95 Phys. Lett. 349B:225, 1995; DESY-95-013;
Study of $D^*(2010)^\pm$ Production in $e^- p$ Collisions at HERA
- Derrick 95B Phys. Lett. 348B:665, 1995; DESY-95-033;
Dijet Cross-Sections in Photoproduction at HERA
- Derrick 95C Z. Phys. C67:93, 1995; DESY-95-007;
Measurement of Multiplicity and Momentum Spectra in the Current Fragmentation Region of the Breit Frame at HERA
- Derrick 95D Phys. Rev. Lett. 75:1006, 1995; DESY-95-053;
Measurement of Charged and Neutral Current $e^- p$ Deep Inelastic Scattering Cross Sections at High Q^2
- Derrick 95E Z. Phys. C67:81, 1995; DESY-95-016;
Jet Production in High Q^2 Deep-Inelastic $e^- p$ Scattering at HERA
- Derrick 95F Phys. Lett. 350B:120, 1995; DESY-95-052;
Measurement of the Cross-Section for the Reaction $\gamma p \rightarrow J/\psi(1S) p$ with ZEUS Detector at HERA
- Derrick 95G Z. Phys. C67:227, 1995; DESY-95-050;
Inclusive Transverse Momentum Distributions of Charged Particles in Diffractive Photoproduction at HERA
- Derrick 95H Z. Phys. C68:29, 1995; DESY-95-084;
Neutral Strange Particle Production in Deep Inelastic Scattering at HERA
- Derrick 95I Z. Phys. C68:569, 1995; DESY-95-093;
Measurement of the Diffractive Structure Function in Deep Elastic Scattering at HERA
- Derrick 95J Phys. Lett. 354B:163, 1995; DESY-95-083;
Study of the Photon Remnant in Resolved Photoproduction at HERA
- Derrick 95K Phys. Lett. 356B:129, 1995; DESY-95-115;
Diffractive Hard Photoproduction at HERA and Evidence for the Gluon Content of the Pomeron
- Derrick 95L Phys. Lett. 356B:601, 1995; DESY-95-133;
Exclusive ρ^0 Production in Deep Inelastic Electron-Proton Scattering at HERA
- Derrick 95M Z. Phys. C69:607, 1996; DESY-95-193;
Measurement of the Proton Structure Function F_2 at Low x and Low Q^2 at HERA
- Derrick 95N Phys. Lett. 363B:201, 1995; DESY-95-182;
Measurement of α_S from Jet Rates in Deep Inelastic Scattering at HERA
- Derrick 95O Phys. Lett. 369B:55, 1996; DESY-95-194;
Rapidity Gaps between Jets in Photoproduction at HERA
- Derrick 95P Z. Phys. C70:1, 1996; DESY-95-221;
Inclusive Charged Particle Distributions in Deep Inelastic Scattering Events at HERA
- Derrick 95Q Phys. Lett. 377B:259, 1996; DESY-96-002;
Measurement of Elastic ϕ Photoproduction at HERA
- Derrick 96 Z. Phys. C70:391, 1996; DESY-96-018;
Measurement of the Diffractive Cross Section in Deep Inelastic Scattering
- Derwent 94 FERMILAB-CONF-94-129-E; CDF-PUB-BOTTOM-PUBLIC-2602;
Measurement of Correlated b Quark Cross-Sections at CDF
- Derwent 95 FERMILAB-CONF-95-096-E;
Charm and Beauty Results from CDF and D0
- Deshpande 93 Phys. Rev. Lett. 71:27, 1993;
Determination of the Branching Ratio of the Decay $\pi^0 \rightarrow e^+ e^-$
- Deswart 94 Yad. Phys. 57:1621, 1994; THEF-NYM-94-01;
 $\bar{p} p$ Partial-Wave Analysis and nucleon nucleon Potentials

- Deswiniarski 93 Nuovo Cim. 106A:1119, 1993;
Elastic and Inelastic Scattering of 0.8 GeV Polarized Protons from ^{18}O
- Dheer 95 Phys. Rev. C52:1572, 1995;
Intermittency and Multifractality of Medium-Energy Particles in p nucleus Interactions at 800 GeV
- Dhose 93 Nucl. Phys. A554:679, 1993;
Charged-Pion Photoproduction from ^3He with Positron-Annihilation Quasi-Monochromatic Photons
- Dickson 93 FERMILAB-CONF-93-353-E;
Test of Structure Functions Using Leptons with CDF
- Dicredico 93 LNGS-93-72;
Muon Astronomy and Search Sidereal Anisotropies
- Didenko 91B JINR-E1-91-329;
Search for and Study of the Effective Mass Spectra of Nucleon Clusters Produced in Relativistic Nucleon Collisions
- Didenlez 91 Nucl. Phys. A535:445, 1991;
Total Cross Sections for the $p p \pi^0$ Channel in the Inelastic $p p$ Interaction
- Diebold 93 Phys. Rev. C48:2984, 1993;
Production of π^+ , π^- , K^+ , K^- , p and \bar{p} in Relativistic Au + Pt, Si + Pt, and p + Pt Collisions
- Diehl 91 Phys. Rev. Lett. 67:804, 1991; FERMILAB-PUB-91-165;
Measurement of the Ω^- Magnetic Moment
- Diehl 93 FERMILAB-CONF-93-286;
Electro-Weak, QCD and Top Physics at the Tevatron
- Diehl 95 FERMILAB-CONF-95-165-E;
Search for Anomalous Couplings in $W^\pm W^\pm$ and $W^\pm Z^0$ Measurements at the Tevatron (D0 and CDF results)
- Digregorio 93 Phys. Rev. C47:2916, 1993;
No Evidence of the 17 keV Neutrino in the Decay of ^{71}Ge
- Distelbrink 91 Phys. Lett. 271B:47, 1991;
The $\gamma \ ^{14}\text{N}it \rightarrow \pi^+ \ ^{14}\text{C}$ Reaction through the Δ Resonance Region
- Dittmar 92 CERN-PPE-92-177;
Searching for Rare Exotic Z^0 Decays
- Ditzler 92 Phys. Rev. D46:2792, 1992; ANL-HEP-PR-92-21;
Neutron-Proton Elastic Scattering Spin-Spin Correlation Parameter Measurements Between 500 and 800 MeV. 1. C_{sl} and C_{ll} at Backward c.m. Angles
- Dodelson 92 Phys. Rev. Lett. 68:2572, 1992; FERMILAB-PUB-92-03-A;
Constraints to the Decays of Dirac Neutrino from SN1987A
- Doeker 95 BONN-IR-95-23;
Measurement of the Diffractive Structure Function of Protons in Deep Inelastic $e^- p$ Scattering with the ZEUS Detector
- Dohmen 93 Phys. Lett. 317B:631, 1993;
Test of Lepton-Flavour Conservation in $\mu^- \rightarrow e^\pm$ Conversation on Titanium
- Dolfini 95 Phys. Rev. C51:3479, 1995;
Out-of-Plane Quasielastic Scattering from Deuterium Using Polarized Electrons
- Dolgolenko 92 Yad. Phys. 55:1253, 1992;
Strangeness Production in \bar{p} Xe Annihilations at Low Energy
- Dolgov 93 Phys. Rev. Lett. 71:476, 1993;
New Upper Limits on the Tau-Neutrino Mass from Primordial Helium Considerations
- Dominick 94 Phys. Rev. D50:3027, 1994; CLNS-94-1274; CLEO-94-9;
Two Photon Production of Charged Pion and Kaon Pairs
- Domkin 92 Yad. Phys. 55:876, 1992;
On the Mechanism of Xe Isotope Production in the Interaction of Ta Nuclei with $E_p = 1$ GeV Protons
- Donnachie 91 Z. Phys. C51:689, 1991;
The Decays of the $\rho(1450)$ and $\omega(1390)$ Mesons
- Donoghue 91 Phys. Rev. C43:213, 1991;
Measurement of Spin Observables in the $^{28}\text{Si}(p,p)$ Reaction at 500 MeV and Comparison with Distorted-Wave Impulse Approximation
- Donskov 94 Nuovo Cim. 107A:1799, 1994;
Measurement of the $\omega \rightarrow \eta \gamma$ Decay Rate
- Donskov 95 KEK-95-158;
Recent Results from GAMS
- Donzaud 95 Nucl. Phys. A593:503, 1995;
Dissipative Aspects in 200 MeV/u Kr Induced Reactions
- Dorenbosch 89 Z. Phys. C41:567, 1989; Z. Phys. C51:142, 1991; CERN-EP-88-136;
Experimental Results on Neutrino-Electron Scattering
- Doroshkevich 94 ITEP-94-91;
Two Forward Protons Correlations at Small Relative Momentum in $p A$ Interactions
- Dowell 95 Phys. Lett. 344B:91, 1995;
Measurements of Quasi-Elastic Pion Single Charge Exchange on ^3He at $T_\pi = 245$ MeV
- Dowell 95B Phys. Rev. C51:1551, 1995;
Measurement of the $^3\text{H}(\pi^+, ^3\text{He})\pi^0$ Differential Cross Section at $T_\pi = 142$ MeV
- Drell 91 SLAC-378; CLNS-90-1024;
Experimental Aspects of B Physics
- Drell 92 CLNS-92-1146;
Recent results from CLEO
- Drell 92B CLNS-92-1177;
Weak Decays, Rare Decays, Mixing, and CP Violation
- Dremin 94 Phys. Lett. 336B:119, 1994; FNT-AE-93-25; FIAN-TD-15-93;
Cumulant to Factorial Moment Ratio and Multiplicity Data
- Dress 94 Phys. Rev. D49:4937, 1994;
Search for the Decay $\pi^0 \rightarrow \gamma X$
- Dreute 91 Phys. Rev. C44:1057, 1991; SI-91-02;
Fragmentation of Gold Projectiles with Energies of 200 - 980 MeV/Nucleon. Part I: Experimental Method, Charge Yields and Transverse Momenta

Drexlin 91

- Drexlin 91 Phys. Lett. 267B:321, 1991; KFK-4893;
First Observation of the Neutral Current Nuclear Excitation $^{12}\text{C}(\nu, \nu)^{12}\text{C}^*(1+, 1)$
- Drndarevic 95 Phys. Rev. C52:331, 1995;
Emission of Fast Protons in High-Energy Hadron-Emulsion Interactions
- Drutskoi 93 Phys. Lett. 333B:561, 1994; ITEP-93-52;
The Effect of Resonance States on Hyperon Polarization
- Dubbs 93 Phys. Rev. Lett. 72:808, 1994; FERMILAB-PUB-93-226-E;
Measurement of the Branching Ratio for $\Xi^- \rightarrow \Sigma^- \gamma$ Radiative Decay
- Duboscq 95 Phys. Rev. Lett. 76:3898, 1996; CLNS-95-1372; CLEO-95-20;
Measurement of the Form Factors for $\bar{B}^0 \rightarrow D^*(2010)^+ \ell^- \bar{\nu}$
- Ducret 94 Phys. Rev. C49:1783, 1994;
Separation of the deuteron($e^-, e^- p$) Structure Functions up to 0.9 GeV/c Momentum Transfer
- Ducros 94 DAPNIA-SPP-94-26;
Electroweak Physics at D0 and CDF
- Dudkin 91 Nucl. Phys. A530:759, 1991;
Target Fragments in Collisions of 1.8 GeV/Nucleon ^{56}Fe Nuclei with Photoemulsion Nuclei, and the Cascade-Evaporation Model
- Dudkin 94 Nucl. Phys. A568:906, 1994;
Multiplicities of Secondaries in Nuclear Interactions, Induced by ^{20}Ne , ^{40}Ar and ^{56}Fe Nuclei at 0.1 - 0.5 GeV/Nucleon
- Duek 92 Nucl. Phys. A544:423c, 1992;
Momentum Distributions of Light Mass Fragments in Si-Nucleus Collisions at 14.8 GeV/Nucleon
- Duek 92B Nucl. Phys. A544:599c, 1992;
Antiproton Production in ^{28}Si -Nucleus Interactions
- Duffot 94 Nucl. Phys. B, Proc. Suppl B40:37, 1995; LAL-94-70;
QCD Tests From Tau Decays
- Dunwoodie 91 SLAC-PUB-5675;
Two Variations on a ρ' Theme: Data from LASS and MARK III
- Dupieux 91 Z. Phys. A340:165, 1991;
Baryon-Baryon Correlation at Small Relative Momentum in Neon- and Argon-Nucleus Collisions between $E/A = 200$ and 1000 MeV
- Durieux 91 PREPRINT (UNIVER.DE.GENEVE);
Etude de la Production de η et de Photons de Bremsstrahlung dans des Collisions $p p$ et πp a 280 GeV/c
- Duryea 91 Phys. Rev. Lett. 67:1193, 1991; FERMILAB-PUB-91-209;
Polarization of Ξ^- Hyperons Produced by 800 GeV Protons
- Duryea 92 Phys. Rev. Lett. 68:768, 1992;
Precise Measurement of the Ξ^- Magnetic Moment
- Dydak 91 CERN-PPE-91-14;
Results from LEP and the SLC
- Dytman 95 Phys. Rev. C51:2710, 1995;
Study of Baryon Resonances through $\gamma p \rightarrow \eta p$ Differential Cross Sections
- Dzelalija 95 Phys. Rev. C52:346, 1995;
Entropy in Central Au + Au Reactions Between 100 and 400 A MeV
- Eades 93 CERN-PPE-93-72;
A Naturally Occurring Trap for Antiprotons
- Eden 94 Phys. Rev. C50:R1749, 1994;
Electric Form Factor of the Neutron from $^2\text{H}(e^-\uparrow, e^-\uparrow n^-\uparrow)^1\text{H}$ Reaction at $Q^2 = 0.255$ (GeV/c) 2
- Edgorov 92 Yad. Phys. 55:2962, 1992;
Correlation Effects in Cumulative Proton Production in p Ne Interactions at 300 GeV/c
- Edwards 92 Nucl. Phys. A543:685, 1992;
Forward $p(n, \text{deuteron}) \gamma$ Cross Sections above the Pion Production Threshold
- Edwards 94 Phys. Rev. Lett. 74:3331, 1995; CLNS-94-1304; CLEO-94-22;
Observation of Excited Charmed Baryon States Decaying to $\Lambda_c^+ \pi^+ \pi^-$
- Edwards 95 Phys. Rev. Lett. 74:2654, 1995;
Precise Measurement of Parity Nonconserving Optical Rotation in Atomic Thallium
- Edwards 95B Phys. Lett. 373B:261, 1996; CLNS-95-1353; CLEO-95-15;
Observation of New Decay Modes of the Charmed Strange Baryon $\Xi_c(2460)^+$
- Eerola 92 UDINE-92-07-PE-REV;
Classification of the Decays of the Z^0 into b and c Quark Pairs Using a Neural Network
- Efremenko 94 ITEP-94-4;
Searches for a Narrow Resonance in the $pp\pi^-$ System
- Egiyan 93 Yad. Phys. 56-12:123, 1993;
Structure Function of Carbon Nucleus in Pion Cumulative Photoproduction
- Ehrlich 94 Nuovo Cim. 107A:1977, 1994;
Recent Results from CLEO-II
- Ehrnsperger 95 Phys. Lett. 348B:619, 1995; UFTP-377-1994;
Reanalysis of Hyperon Beta Decay Data on F/D
- Eigen 94 Nucl. Phys. B, Proc. Suppl B40:281, 1995; CALT-68-1967;
Forbidden τ^\pm Lepton Decays in CLEO II
- Eisele 92 DESY-92-140;
First Results from the H1 Experiment at HERA
- Eiseman 92 Phys. Lett. 292B:10, 1992; BNL-47171;
Rapidity Distributions and Nuclear Transparency in Heavy Ion Collisions
- Eiseman 92B Phys. Lett. 297B:44, 1992; BNL-47886;
Rapidity Distributions of K_S and Λ 's Produced by 14.6 GeV/c Si Beams on Si and Pb Targets
- Eiseman 93 BNL-49548;
Systematics of Hadronic Production from Si and Pb with 14.6 A GeV/c Si Beams
- Eiseman 94 Phys. Lett. 325B:322, 1994; BNL-49592;
 Ξ^- Production in Heavy Ion Collisions at the AGS
- Eiseman 95B Phys. Rev. C52:2289, 1995;
Measurement of Low p_T K_S Production from 14.6 A GeV/c Si Beams on a Pb Target

Eisenstein 94

Enomoto 94

- Eisenstein 94 Yad. Phys. 57:1751, 1994; ILL-NPL-93-005;
Flavor Production in $\bar{p} p$ Reactions at Low Energies
- Ejiri 91 Phys. Lett. 258B:17, 1991;
Double β Decays of ^{100}Mo
- Ejiri 91B Nucl. Phys. A522:305c, 1991;
Double Beta Decays and Related Subjects for Particle and Nuclear Physics
- Eklund 91 Nucl. Phys. A525:657c, 1991;
WA80 Multiplicity Results at 200 A GeV
- Eklund 92 THESIS;
Particle Production in Hot and Dense Nuclear Matter
- Elaasar 94 Phys. Rev. C49:10, 1994;
Maximum Azimuthal Anisotropy of Neutrons from Nb Nb Collisions at 400 A MeV and the Nuclear Equation of State
- Elia 93 Mod. Phys. Lett. A8:2237, 1993; SLAC-PUB-6169;
First Measurement of the Left-Right Cross Section Asymmetry in Z^0 -Boson Production
- Eliyakutrosh 95 Phys. Rev. C51:1295, 1995;
Measurement of Proton Total Reaction Cross Sections for ^{58}Ni and ^{60}Ni Including Nonrelativistic and Relativistic Data Analyses
- Elliott 92 Phys. Rev. C46:1535, 1992;
Double Beta Decay of ^{82}Se
- Ellis 91 Phys. Lett. 267B:132, 1991;
On the Extraction of $\alpha_S(M_{Z^0})$ from LEP Jet Data
- Ellison 94 FERMILAB-CONF-94-329-E;
Measurement of the $W^\pm \gamma$, $Z^0 Z^0 \gamma$ and $Z^0 \gamma \gamma$ Couplings at the Fermilab Tevatron
- Elnadi 92 Phys. Lett. 295B:148, 1992;
Negative-Binomial Multiplicity Distribution in the Interactions of ^{24}Mg Ions with Light and Heavy Emulsion Nuclei
- Elnadi 93 Phys. Rev. C48:870, 1993;
Interactions of Ultrarelativistic Oxygen Nuclei in Emulsion
- Elnadi 94 Nuovo Cim. 107A:1, 1994;
Characteristics of Helium Fragments Produced in ^{16}O Emulsion Interactions at 960 GeV/c
- Elnadi 94B Nuovo Cim. 107A:13, 1994;
Study of Multiparticle Production in the Coherent Production of π^- (360 GeV/c) and K^\pm (70 GeV/c) Interaction with Emulsion Nucleus
- Elnadi 94C Nuovo Cim. 107A:31, 1994;
Angular Production of Fast and Slow Particles in ^7Li -Emulsion Interactions at 26 GeV/c
- Elnadi 95 Nuovo Cim. 108A:87, 1995;
On Slow-Particle Production in 200 A GeV ^{16}O -Emulsion Interactions
- Elnadi 95B Nuovo Cim. 108A:281, 1995;
Multiplicity Distributions of Produced Particles in 60 A GeV ^{16}O Emulsion Interactions and Eclipse Effect
- Elnadi 95C Nuovo Cim. 108A:809, 1995;
Nuclear Temperature and Multiplicities of Relativistic He Fragments from ^{16}O Emulsion Interactions at 200 A GeV
- Elnadi 95D Nuovo Cim. 108A:831, 1995;
Multiplicities of Charged Particles in 3.7 A GeV ^{32}S Fragments Emulsion Interactions
- Elnadi 95E Nuovo Cim. 108A:935, 1995;
Characteristics of Projectile Fragments Produced in ^{24}Mg -Emulsion at Dubna Energy
- Elnagdy 93 Phys. Rev. C47:346, 1993;
Mechanism of Disintegration of Emulsion Nuclei by Relativistic Light Nuclei
- Elnaghy 93 Phys. Lett. 299B:370, 1993;
Observation of Ring-Like Events in Nucleus-Nucleus Interactions at 4.5 GeV/c
- Elnaghy 94 Nuovo Cim. 107A:279, 1994;
Correlations in Inelastic Collisions of Relativistic Nuclei with Emulsion at (4.1-4.5) A GeV/c
- Elouadrhiri 94 Phys. Rev. C50:R2266, 1994;
Measurement of the $(e^-, e^-' p \pi^-)$ Reaction on Nuclei in the Nucleon Resonance Region
- Elsharkawy 93 Z. Phys. A346:237, 1993;
Central Collisions of ^{24}Mg Nuclei with Heavy Emulsion Group of Nuclei (Br, Ag) at 4.5 A GeV/c Momentum
- Elsharkawy 94 Phys. Scr. 50:97, 1994;
Inelastic Interactions of ^6Li Nuclei in Emulsion at 4.5 A GeV/c as a Probe for ^6Li Internal Structure
- Emura 91 Phys. Lett. 286B:229, 1992; INS-891;
The Total Cross Section for the γ $^4\text{He} \rightarrow n n p p$ Reaction in the Δ -Resonance Region
- Emura 91B Phys. Lett. 267B:460, 1991;
Measurement of the γ $^4\text{He} \rightarrow n n p p$ Reaction in the Δ -Resonance Region
- Emura 94 Phys. Rev. Lett. 73:404, 1994; INS-1023;
Total Cross Section for Photon Absorption by Two Protons in ^3He
- Emura 94B Phys. Rev. C49:R597, 1994; INS-968;
Three Body ^3He Photodisintegration in the $\Delta(1232 P_{33})$ Region
- Eno 95 FERMILAB-CONF-95-095-E;
D0 Search for New Phenomena
- Enomoto 91 Mod. Phys. Lett. A6:1, 1991;
Search for High Energy Gamma Rays from the Galactic Plane by Airborne Experiment
- Enomoto 91B Phys. Rev. D44:3419, 1991; KEK-91-113;
Atmospheric Electron Flux at Airplane Altitude
- Enomoto 92 Phys. Rev. D46:3239, 1992; KEK-92-81;
Search for Localized γ -Ray Source Along the Galactic Plane by an Airborne Experiment
- Enomoto 92B Astropart. Phys. 1:159, 1993; KEK-92-157;
Search for High-Energy γ -Ray Source Burst by an Airborne experiment
- Enomoto 93 Phys. Rev. D50:1879, 1994; KEK-93-107;
Measurement of the $D^*(2010)^\pm$ Cross-Section in a Two Photon Process
- Enomoto 94 Phys. Lett. 328B:535, 1994; KEK-93-215; TUAT-HEP-94-1; DPNU-94-11; TIT-HPE-94-01; NWU-HEP-94-01; OCU-HEP-94-1; PU-94-681; KOBE-HEP-94-03;
Measurement of the $D^*(2010)^\pm$ Cross Section Using a Soft Pion Analysis in Two-Photon Processes

- Enomoto 94B Phys. Lett. 341B:238, 1994; KEK-94-106; DPNU-94-38; NWU-HEP-94-04; TIT-HPE-94-09; TUAT-HEP-94-04; OCU-HEP-94-06; PU-94-686; INS-1051; KOBE-HEP-94-05;
 $K^0 \bar{K}^0$ Production in Two-Photon Processes at TRISTAN
- Enomoto 94C Phys. Lett. 347B:179, 1995; KEK-94-177; DPNU-94-58; NWU-HEP-94-08; TIT-HPE-94-13; TUAT-HEP-94-08; OCU-HEP-94-10; PU-94-691; INS-1076; KOBE-HEP-94-09;
 Observation of Excess Λ ($\bar{\Lambda}$) Production in Two-Photon Processes at TRISTAN
- Enqvist 92 Phys. Lett. 288B:145, 1992; NORDITA-92-37-P;
 Atmospheric Neutrino Fluxes and Sterile Neutrinos
- Ent 94 Nucl. Phys. A578:93, 1994;
 The (e^- , e^- deuteron) Reaction on ^4He , ^6Li , ^{12}C
- Eppley 94 FERMILAB-CONF-94-289-E;
 Search for New Gauge Bosons at D0
- Erdmann 93 DESY-93-077-II;
 New Results from the H1 Experiment at HERA on Photoproduction, Deep Inelastic Scattering and Searches for New Particles: Momentum Distribution of Partons from Resolved Photons
- Ericson 95 Phys. Rev. Lett. 75:1046, 1995; CERN-TH-95-50;
 The π nucleon nucleon Coupling from High Precision $n p$ Charge Exchange at 162 MeV
- Ermakov 94 JINR-P1-94-240;
 Study of Features in Particle and Event Characteristics in Nucleus-Nucleus Interaction
- Ero 94 Phys. Rev. C50:2687, 1994; KFKI-1993-23-A;
 $^1\text{H}(\text{deuteron}, 2p)n$ Reaction at 2 GeV Deuteron Energy
- Erozolimskii 91 Phys. Lett. 263B:33, 1991;
 New Measurement of the Electron-Neutron Spin Asymmetry in Neutron Beta Decay
- Errede 94 FERMILAB-CONF-94-158-E; CDF-PUB-ELECTROWEAK-PUBLIC-2637;
 Electroweak Boson Pair Production at CDF
- Errede 94B FERMILAB-CONF-94-306-E;
 Electroweak Boson Pair Production at the Tevatron
- Eschstruth 94 LAL-94-15;
 Themistocle: Results and Prospects
- Evans 92 RALT-130;
 Strange/Multistrange Baryon/Antibaryon Production in Sulphur-Tungsten Interactions at 200 GeV/c per Nucleon
- Eversheim 91 Phys. Lett. 256B:11, 1991;
 Parity Violation in Proton-Proton Scattering at 13.6 MeV
- Eyl 95 Z. Phys. A352:211, 1995;
 First Measurement of the Polarization Transfer on the Proton in the Reactions $H(e^- \uparrow, e^- p \uparrow)$ and deuteron ($e^- \uparrow, e^- p \uparrow$)
- Fabbri 91 DFUB-91-19;
 Measurements of α_S and Tests of QCD at LEP
- Faessler 94 Nuovo Cim. 107A:2235, 1994;
 Hidden and Open $\bar{s} s$ Production in $\bar{p} p$ Annihilation at Rest
- Fahley 94 FERMILAB-CONF-94-323-E;
 D0 Quantum Chromodynamics: A Compilation of Results Presented at DPF 1994
- Faissner 92 Z. Phys. A341:359, 1992;
 Search for Scalar and Pseudoscalar Bosons Emitted in Nuclear Decays via Their Interactions
- Fan 92 SLAC-PUB-5975; COLO-HEP-294;
 Measurements of Gluon Spin-Sensitive Quantities at the Z^0 Resonance
- Fan 94 Nuovo Cim. 107A:1825, 1994;
 The Evidence of $X(2200)$
- Fan 94B Nuovo Cim. 107A:1829, 1994;
 The Recent Status of BES at BEBC
- Fang 93 FERMILAB-CONF-93-305;
 A Dependence of Exclusive Vector Meson Production in Muon-Nucleus Scattering
- Fang 94 FERMILAB-CONF-94-041-E;
 Exclusive Vector Meson Production in Muon-Nucleus Scattering
- Farzanpay 92 Phys. Lett. 278B:413, 1992;
 Measurement of the Slope of the π^0 Electromagnetic Form Factor
- Fatyga 93 FERMILAB-CONF-93-385-E;
 Search for the Top Quark in the Electron-Electron and Electron-Muon Channels at D0
- Fatyga 94 Nucl. Phys. A544:137c, 1994;
 Recent Results from Experiment 814 at Brookhaven
- Federspiel 91 Phys. Rev. Lett. 67:1511, 1991;
 Proton Compton Effect: A Measurement of the Electric and Magnetic Polarizabilities of the Proton
- Fedorets 94 Izv. Akad. Nauk SSSR, Fiz. 58-11:132, 1994;
 Splitting of Yt and Ag Nuclei by ^{12}C Ions with 3.65 A GeV Energy
- Feindt 90 Nucl. Phys. B, Proc. Suppl B21:61, 1991; DESY-90-146;
 Two Photon Couplings of Scalar and Tensor Mesons
- Feindt 92B CERN-PPE-92-154;
 B^0 and B^+ Lifetime Measurements at LEP
- Feindt 92C CERN-PPE-92-148;
 Evidence for the Box Anomaly in η and η' Decays
- Felcini 91 BUHEP-91-8;
 A Search for t -Quark Decay into Charged Higgs at the CERN Proton-Antiproton Collider
- Felcini 92 CERN-PPE-92-208;
 The Hunt for the Higgs Boson(s) at LEP: Present and Future
- Feld 93 BONN-IR-93-52;
 Hard Photoproduction: An Analysis of the First ZEUS Data
- Feldman 94 Phys. Rev. C49:2068, 1994;
 Neutron Transition Densities for ^{48}Ca from Proton Scattering at 200 and 318 MeV
- Felicciello 94 Nuovo Cim. 107A:2243, 1994;
 Evidence of a New State at 1660 MeV/c Observed in $\bar{p} p$ Annihilations

Felix 94

Frabetti 93H

- Felix 94 Nuovo Cim. 107A:2253, 1994;
 $\bar{p} p$ Annihilation at Rest into $K_L K_S \pi^0 \pi^0$
- Feltesse 94 DAPNIA-SPP-94-22;
 Recent Results from the H1 Collaboration at HERA
- Feltman 91 Phys. Rev. Lett. 66:2573, 1991; TRI-PP-91-1;
 Spin-Transfer Measurement of the π deuteron $\uparrow \rightarrow p p \uparrow$ Reaction Spanning the Δ Resonance
- Fernandez 93 IFAE-93-001;
 Tau Physics
- Fero 94 SLAC-PUB-6679;
 Measuring the Left-Right Cross Section Asymmetry in Z^0 Boson Production by $e^+ e^-$ Collisions at the SLC
- Ferrante 95 Nucl. Phys. B, Proc. Suppl B40:299, 1995;
 Tau Lifetime Measurements with the Impact Parameters Sum Method in 1-1 Events
- Ferreira 92 Nucl. Phys. A544:497c, 1992;
 $\phi(1020)$, ω , ρ Production in p Wt and S U Collisions at 200 GeV/Nucleon
- Fetscher 93 ETHZ-IMP-PR-93-1;
 Precision Measurements in Muon and Tau Decays
- Fialkowski 94 Z. Phys. C61:313, 1994;
 New Evidence for a Universal Correlation Term for Like-Sign Particles in Multiple Production
- Fiedler 91 BONN-IR-91-55;
 The $f_2(1270)$ Meson Compared in Inclusive Photoproduction and Hadroproduction at the CERN OMEGA Spectrometer
- Fields 92 ANL-HEP-CP-92-121;
 Nuclear Rescattering Effects in $p A \rightarrow$ Dihadrons
- Finch 93 Mod. Phys. Lett. A8:3303, 1993;
 Jet Production in $\gamma \gamma$ Physics
- Finlay 93 Phys. Rev. C47:237, 1993;
 Neutron Total Cross Sections at Intermediate Energies
- Fissum 96 Phys. Rev. C53:1278, 1996;
 Inclusive Positive Pion Photoproduction
- Flanders 91 Phys. Rev. C43:2103, 1991;
 Empirical Density-Dependent Effective Interaction for Nucleon-Nucleus Scattering at 500 MeV
- Flaugher 91 FERMILAB-CONF-91-235-E;
 The Dijet Mass and Angular Distributions at CDF
- Flaugher 92 FERMILAB-CONF-92-24-E;
 QCD and Jets at CDF
- Flaugher 92B FERMILAB-CONF-92-253-E;
 QCD Tests with CDF
- Flaugher 93 FERMILAB-CONF-93-146-E;
 Direct Photon Results from CDF
- Fontaine 91 Nucl. Phys. B358:297, 1991;
 Energy Dependence of the Neutron-Proton Total Cross Section Differences $\Delta\sigma_T$ and $\Delta\sigma_L$ between 0.31 and 1.1 GeV
- Ford 94 Nucl. Phys. B, Proc. Suppl B40:191, 1995; COLO-HEP-352;
 Tau Decays to 3hadron (π^0) ν and 5hadron (π^0) ν from CLEO
- Fortune 94 Phys. Rev. C50:306, 1994;
 Energy Dependence of $^{58}\text{Ni}(\pi^+, \pi^-) ^{58}\text{Zn}$ Double Charge Exchange
- Forty 93 CERN-PPE-93-165;
 The Lifetime and Mixing of B Hadrons
- Foucher 91 FERMILAB-CONF-91-112;
 Hyperon Radiative Decays, the α Parameter of $\Sigma^+ \rightarrow p \gamma$. First Results from Fermilab E761
- Foucher 92 Phys. Rev. Lett. 68:3004, 1992; FERMILAB-PUB-92-64-E;
 Measurement of the Asymmetry Parameter in the Hyperon Radiative Decay $\Sigma^+ \rightarrow p \gamma$
- Frabetti 91 Phys. Lett. 263B:584, 1991; FERMILAB-PUB-91-75-E;
 Measurement of the D^0 and D^+ Lifetimes
- Frabetti 92 Phys. Lett. 300B:190, 1993; FERMILAB-PUB-92-315-E;
 First Evidence of $\Omega_c \rightarrow \Omega^- \pi^+$
- Frabetti 92B Phys. Lett. 286B:195, 1992; FERMILAB-PUB-92-153;
 Study of $D^0 \rightarrow K_S \pi^+ \pi^-$ and $D^0 \rightarrow K_S K^+ K^-$ in High Energy Photoproduction
- Frabetti 92C Phys. Rev. Lett. 70:1381, 1993; FERMILAB-PUB-92-352-E;
 Measurement of the Mass and Lifetime of the $\Xi_c(2460)^+$
- Frabetti 92D Phys. Lett. 281B:167, 1992;
 Measurement of the Decays $D^0 \rightarrow \pi^+ \pi^+ \pi^- \pi^-$, $D^0 \rightarrow K^+ K^-$ and $D_s^+ \rightarrow \phi(1020) \pi^+ \pi^+ \pi^-$
- Frabetti 92E Phys. Rev. Lett. 70:1755, 1993; FERMILAB-PUB-92-355-E;
 A Measurement of the Λ_c^+ Lifetime
- Frabetti 93 Phys. Rev. Lett. 70:2058, 1993; FERMILAB-PUB-92-394-E;
 Measurement of the Lifetime of the $\Xi_c(2460)^0$
- Frabetti 93B Phys. Rev. Lett. 71:827, 1993; FERMILAB-PUB-93-030-E;
 A Precise Measurement of the D_s^\pm Meson Lifetime
- Frabetti 93C Phys. Rev. Lett. 72:961, 1994; FERMILAB-PUB-93-323-E;
 An Observation of an Excited State of the Λ_c^+ Baryon
- Frabetti 93D Phys. Lett. 316B:197, 1993; FERMILAB-PUB-93-264-E;
 A Measurement of Elastic $J/\psi(1S)$ Photoproduction Cross-Section at Fermilab E687
- Frabetti 93E Phys. Lett. 308B:193, 1993; FERMILAB-PUB-93-072-E;
 Studies of $D \bar{D}$ Correlations in High Energy Photoproduction
- Frabetti 93F Phys. Lett. 307B:262, 1993; FERMILAB-PUB-93-064-E;
 Analysis of the Decay Mode $D^+ \rightarrow \bar{K}^*(892)^0 \mu^+ \nu$
- Frabetti 93G Phys. Lett. 313B:253, 1993; FERMILAB-PUB-93-184-E;
 A Measurement of $\Gamma(D_s^+ \rightarrow \phi(1020) \mu^+ \nu) / \Gamma(D_s^+ \rightarrow \phi(1020) \pi^+)$
- Frabetti 93H Phys. Lett. 315B:203, 1993; FERMILAB-PUB-93-194-E;
 Study of $D^0 \rightarrow K^- \mu^+ \nu$ in High Energy Photoproduction

- Frabetti 93I Phys. Lett. 314B:477, 1993; FERMILAB-PUB-93-183-E;
Evidence of the Cabibbo-Suppressed Decay $\Lambda_c^+ \rightarrow p K^- K^+$
- Frabetti 94 Phys. Lett. 328B:187, 1994; FERMILAB-PUB-94-049-E;
Measurement of the Form Factors for the Decay $D_s^+ \rightarrow \phi(1020) \mu^+ \nu$
- Frabetti 94B Phys. Lett. 328B:193, 1994; FERMILAB-PUB-94-079-E;
First Observation of the $\Sigma^- \pi^+ \pi^+$ Decay Mode of the Λ_c Baryon and Its Branching Ratio Relative to the $\Sigma^+ \pi^+ \pi^-$ Mode
- Frabetti 94C Phys. Rev. D50:R2953, 1994; FERMILAB-PUB-94-071-E;
Search for CP Violation in Charm Meson Decay
- Frabetti 94D Phys. Lett. 331B:217, 1994; FERMILAB-PUB-94-076-E;
Analysis of Three $D \rightarrow$ kaon $\pi \pi$ Dalitz Plots
- Frabetti 94E Phys. Rev. Lett. 72:324, 1994; FERMILAB-PUB-93-249-E;
Measurement of the Masses and Widths of $L = 1$ Charm Mesons
- Frabetti 94F Phys. Lett. 321B:295, 1994; FERMILAB-PUB-93-361-E;
A Measurement of the Cabibbo-Suppressed Decays $D^0 \rightarrow \pi^- \pi^+$ and $D^0 \rightarrow K^- K^+$
- Frabetti 94G Phys. Lett. 323B:459, 1994; FERMILAB-PUB-93-332-E;
Precise Measurements of the D^0 and D^+ Meson Lifetimes
- Frabetti 94H Phys. Lett. 338B:106, 1994; FERMILAB-PUB-94-248-E;
Observation and Mass Measurement of $\Omega_c \rightarrow \Sigma^+ K^- K^- \pi^+$
- Frabetti 94I Phys. Lett. 340B:254, 1994; FERMILAB-PUB-94-272-E;
Branching Ratios of the Decays $D^0 \rightarrow \bar{K}^0 K^0$ and $D^0 \rightarrow K_S K_S K_S$
- Frabetti 94J Phys. Lett. 346B:199, 1995; FERMILAB-PUB-94-417-E;
Charm Meson Decay into the Final States $K_S K^+$ and $K_S K^*(892)^+$
- Frabetti 95 Phys. Lett. 351B:591, 1995; FERMILAB-PUB-95-032-E;
Analysis of the D^+ , $D_s^+ \rightarrow K^+ K^- \pi^+$ Dalitz Plots
- Frabetti 95B Phys. Lett. 354B:486, 1995; FERMILAB-PUB-95-114-E;
Study of Charged Hadronic Four Body Decays of the D^0 Meson
- Frabetti 95C Phys. Lett. 357B:678, 1995; FERMILAB-PUB-95-163-E;
First Measurement of the Lifetime of the Ω_c
- Frabetti 95D Phys. Lett. 359B:403, 1995; FERMILAB-PUB-95-262-E;
Doubly and Singly Cabibbo Suppressed Charm Decays into the $K^+ \pi^- \pi^+$ Final State
- Frabetti 95E Phys. Lett. 363B:259, 1995; FERMILAB-PUB-95-318-E;
Search for the Decay of D^+ and D_s^+ Mesons to Three Charged Kaons
- Frabetti 95F Phys. Lett. 365B:461, 1996; FERMILAB-PUB-95-319-E;
Study of Higher Mass Charm Baryons Decaying to Λ_c^+
- Frabetti 95H Phys. Lett. 364B:127, 1995; FERMILAB-PUB-95-338-E;
Analysis of the Decay Mode $D^0 \rightarrow K^- \mu^+ \nu_\mu$
- Frabetti 95I Phys. Lett. 370B:222, 1996; FERMILAB-PUB-95-410-E;
Charm-Anticharm Asymmetries in High Energy Photoproduction
- Frankel 92 Phys. Rev. C46:778, 1992;
Parity Nonconservation for Neutron Resonances in ^{232}Th
- Frascaria 94 Phys. Rev. C50:R537, 1994;
Total deuteron deuteron $\rightarrow \alpha \eta$ Cross Sections near Threshold
- Fredj 91 PCCF-T-9102;
Etude Experimentale Inclusive de la Production de Dimuons dans les Interactions Proton-Noyau a 450 GeV/c
- Freedman 93 Phys. Rev. D47:811, 1993;
Limits on Neutrino Oscillations from $\bar{\nu}_e$ Appearance
- Freedman 93B Phys. Rev. C48:1864, 1993;
Two-Body Disintegration of the Deuteron with 0.8 - 1.8 GeV Photons
- Freyberger 94 HEP-94-1;
Charm Semileptonic Decays at $e^+ e^-$ Machines
- Freyberger 96 Phys. Rev. Lett. 76:3065, 1996; CLNS-96-1389; CLEO-96-1;
Limits on Flavor Changing Neutral Currents in D^0 Meson Decays
- Friedman 91 Phys. Lett. 254B:40, 1991;
Integral Cross Sections for $\pi^+ p$ Interaction in the 3,3 Resonance Region
- Friedman 91B Phys. Lett. 257B:17, 1991;
Total Reaction Cross Section for 20 - 30 MeV Pions and the Anomaly of Pionic Atoms
- Friedman 93 Phys. Lett. 302B:18, 1993;
Integral Cross Sections for $\pi^- p$ Interaction in the 3,3 Resonance Region
- Frisch 94 FERMILAB-CONF-94-044-E;
CDF Electroweak Studies and the Search for the Top Quark
- Frisch 95 FERMILAB-CONF-95-129-E;
A New Measurement of the W^\pm Mass
- Frodyma 93 Phys. Rev. C47:1599, 1993;
Measurements of Transverse Electron Scattering from the Deuteron in the Threshold Region at High Momentum Transfers
- Frommberger 93 BONN-IR-93-63;
Measurement of the Left-Right Asymmetry in the Electrofission of the Deuteron
- Frommberger 94 Phys. Lett. 339B:17, 1994;
Measurement of the Left-Right Asymmetry in the Electrodesintegration of the Deuteron
- Frommhold 92 Phys. Lett. 295B:28, 1992;
Total Photo-fission Cross Section for ^{238}U as a Substitute for the Photon Absorption Cross Section in the Energy Range of the First Baryon Resonances
- Frommhold 94 Z. Phys. A350:249, 1994;
Photo-fission of ^{238}U at Intermediate Energies: Absolute Cross Sections and Fragments Mass Distributions
- Fuess 91 FERMILAB-CONF-91-250-E;
Search for W'^{\pm} and Z' at CDF
- Fuess 92 FERMILAB-CONF-92-336-E;
Inclusive $J/\psi(1S)$, $\psi(2S)$ and b -quark Production in $\bar{p} p$ Collisions at $\sqrt{s} = 1.8$ TeV

- Fuess 94B FERMILAB-CONF-94-283-E;
Electroweak Boson Pair Production in $p \bar{p}$ Collisions at $\sqrt{s} = 1800$ GeV
- Fuess 94C Nucl. Phys. B414:3, 1994;
Diffraction Dissociation in $\pi^+ p$ Interaction at 147 GeV/c
- Fuess 95 FERMILAB-CONF-95-072-E;
 $W^\pm W^\pm$ and $W^\pm Z^0$ Production at the Tevatron
- Fuhrberg 92 Nucl. Phys. A548:579, 1992;
Compton Scattering by Mesons in Nuclei Experiment on ^{208}Pb
- Fujino 92 SLAC-PUB-5635;
Measurement of the B Hadron Lifetime at the SLC
- Fujino 95 OHSTPY-HEP-E-95-009; DOE-ER-01545-648;
Charmed Baryon Production and Decay: Recent Results from CLEO and E687
- Fujiwara 94 Nucl. Phys. A577:43c, 1994;
Spin-Isospin Excitations in Nuclei via ($^3\text{He}, ^3\text{H}$) Reactions at 450 MeV
- Fukushima 91 Phys. Rev. C44:834, 1991;
Contribution of Nonthermodynamic Processes to the Formation of Helium Fragment in Nucleus-Nucleus Collisions at 1.88A GeV
- Fukuda 91 Phys. Lett. 268B:339, 1991;
Neutron Halo in ^{11}Be Studied via Reaction Cross Sections
- Fukuda 94 Phys. Lett. 335B:237, 1994;
Atmospheric ν_μ/ν_e Ratio in the Multi-GeV Energy Range
- Fukuhisa 92 Phys. Rev. D46:2787, 1992;
 $\bar{p} p \rightarrow K^+ K^- \pi^+ \pi^-$ Reaction in the Momentum range 400 - 6700 MeV/c
- Fukui 90 Phys. Lett. 257B:241, 1991; KEK-90-167;
Study of $\omega \pi^0$ System in the $\pi^- p$ Charge Exchange Reaction at 8.95 GeV/c
- Fukui 91 Phys. Lett. 267B:293, 1991; KEK-90-191;
Study of $\eta \pi^+ \pi^-$ System in the $\pi^- p$ Charge Exchange Reaction at 8.95 GeV/c
- Fulton 90 Phys. Rev. D43:651, 1991; CLNS-90-989; CLEO-90-4;
Exclusive and Inclusive Semileptonic Decays of B Mesons to D Mesons
- Furutani 91 Phys. Rev. C44:1691, 1991;
Analyzing Powers for the $^3\text{He}(p, \pi^+)^4\text{He}$ Reaction in the Region of the $\Delta(1232 P_{33})$ Resonance
- Furutani 94 Phys. Rev. C50:1561, 1994;
Exclusive Pion Production from Few Nucleon Systems in the Region of the $\Delta(1232 P_{33})$ Resonance
- Gabrielse 95 Phys. Rev. Lett. 74:3544, 1995;
Special Relativity and the Single Antiproton: Fortyfold Improved Comparison of \bar{p} and p Charge-to-Mass Ratios
- Gaff 95 Phys. Rev. C52:2782, 1995;
Two-Proton Correlations for $^{16}\text{O} + ^{197}\text{Au}$ Collisions at $E/A = 200$ MeV
- Gaidot 93 DAPNIA-SPP-93-08;
Soft Gluon Coherence at LEP
- Gaisser 93 Phys. Rev. D47:1919, 1993;
Cosmic-Ray Composition around 10^{18} eV
- Gaitinov 94 JINR-E1-94-201;
Cascades of Nuclear Interactions in Liquid Hydrogen
- Galazkafried 93 Z. Phys. A345:125, 1993;
Proton-Proton and Deuteron-Deuteron Correlations in Interactions of Relativistic Nuclei with Protons
- Galper 93 Yad. Phys. 56-3:100, 1993;
High Energy Electron and γ -Quanta Flux Measurements at the Brazil Magnetic Anomaly Region at High Altitude Balloon
- Ganenko 91 Yad. Phys. 54:1495, 1991;
Investigations of A -dependence of the Cross Sections Asymmetry of Inclusive (γ, π) Reaction
- Ganenko 92 Yad. Phys. 55:2311, 1992;
Deuteron Photodisintegration Cross Section Measurement in the Energy Range of 250 - 500 MeV
- Ganenko 92B Z. Phys. A341:205, 1992;
Polarization Observables Σ, P_γ, T_1 in the Reaction $\gamma \uparrow$ deuteron $\rightarrow p \uparrow n$ at Photon Energies Between 200 and 600 MeV and Dibaryon Resonances
- Ganenko 93 Yad. Phys. 56-4:11, 1993;
Cross Section of Deuterium Photodisintegration by Linearly Polarized Photons in the Energy Range 250 - 500 MeV
- Gao 94 Phys. Rev. C50:R546, 1994;
Measurement of the Neutron Magnetic Form Factor from Inclusive Quasielastic Scattering of Polarized Electrons from Polarized ^3He
- Gaponov 91 Phys. Lett. 253B:283, 1991;
Neutron Beta Decay and the Right-Handed Current Problem
- Garbincius 94 Nuovo Cim. 107A:1989, 1994; FERMILAB-CONF-93-238;
Recent Fermilab Results on Hadroproduction of Heavy Flavors
- Garbincius 95 FERMILAB-CONF-95-041;
Charm Photoproduction Dynamics
- Garcilazo 95 Phys. Rev. C52:49, 1995;
Pion Photoproduction on the Deuteron: the Reaction γ deuteron $\rightarrow \pi^0$ deuteron
- Gardner 91 Phys. Rev. D44:622, 1991;
Search for Cosmic Ray Magnetic Monopoles Using a Three-Loop Superconductive Detector
- Gardner 95 FERMILAB-CONF-95-133-E;
Charm Production Physics from Fermilab Fixed Target Experiments
- Garson 94 Phys. Rev. C49:2516, 1994;
Tensor Polarization in Elastic Electron-Deuteron Scattering in the Momentum Transfer Range $3.8 \leq Q \leq 4.8$ 1/fm
- Garvey 93 Phys. Rev. C48:761, 1993; LA-UR-93-0037;
Determination of Proton Strange Form-Factors from νp Elastic Scattering
- Gaspero 92 Nucl. Phys. A562:407, 1993; INFN-ROMA-92-885;
Evidence for the Dominance of an $I^G J^{PC} = 0^+ 0^{++}$ Resonance in $\bar{p} n \rightarrow 2\pi^+ 3\pi^-$ Annihilation at Rest

- Gaspero 92B Yad. Phys. 55:1443, 1992; Sov. J. Nucl. Phys. 55:795, 1992;
Evidence for $I^G J^{PC} = 0^+ 0^{++}$ Resonance at 1.39 GeV/c² and Confutation of $\zeta(1480)$ in a Reanalysis of the $\bar{p} n \rightarrow 2\pi^+ 3\pi^-$ Annihilation at Rest
- Gaspero 94 Yad. Phys. 57:1891, 1994;
New Results Obtained by the Rome Data on \bar{p} Annihilation at Rest
- Gaspero 95 Phys. Lett. 358B:146, 1995;
Study of the Pionic Correlations in $\bar{p} n \rightarrow \pi^+ 2\pi^-$ Annihilation at Rest
- Gastaldi 91 Nucl. Phys. B, Proc. Suppl B23:224, 1991; CERN-PPE-91-57;
Meson Spectroscopy at LEAR
- Gates 91 Phys. Rev. D46:1263, 1992; YCTP-P26-91;
Solar Neutrino Data and Their Implications
- Gauthier 92 FERMILAB-CONF-92-112-E;
Search for the Λ_b Baryon at CDF
- Gauzzi 94 Nuovo Cim. 107A:2383, 1994;
Measurement of the Cross-Section for $e^+ e^- \rightarrow$ Hadrons near the Nucleon-Antinucleon Threshold by the FENICE Experiment
- Gavrilov 92 ITEP-92-15;
Search for Multiquark Bag-Bag Interaction in Nucleus-Nucleus Collisions
- Gavrishchuk 91 Phys. Lett. 255B:321, 1991;
Polarization of Backwardly Produced Protons in Proton-Nucleus Collisions at 17 – 64 GeV
- Gavrishchuk 91B Nucl. Phys. A523:589, 1991;
Charged Pion Backward Production in 15 – 65 GeV Proton-Nucleus Collisions
- Gavrishchuk 91C JINR-E1-91-325;
 K^\pm Backward Production in p A Interactions at 15 – 65 GeV
- Gavrishchuk 92 Kr. Soob. JINR 55:4, 1992;
 K^\pm Backward Production in p -Nuclear Interactions at 15 – 65 GeV
- Gazdzicki 94 Nucl. Phys. A566:503c, 1994;
New Data on the Strangeness Enhancement in Central Nucleus-Nucleus Collisions at 200 A GeV
- Gazdzicki 91 Nucl. Phys. A528:754, 1991;
Hadron Production in Nucleon-Nucleon Collisions at 200 GeV/c — A Compilation
- Gazdzicki 95 Z. Phys. C65:215, 1995;
Pion Multiplicity in Nuclear Collisions
- Gebert 92 BONN-IR-92-40;
Inclusive Production of ϕ , $K^*(892)^0$ and $\bar{K}^*(892)^0$ Mesons with Photon, Pion and Kaon Beams at the CERN-OMEGA Spectrometer
- Geer 93 Phys. Rev. Lett. 72:1596, 1994; FERMILAB-PUB-93-315-E;
Search for Antiproton Decay at the Fermilab Antiproton Accumulator
- Geer 94 FERMILAB-CONF-94-275-E;
Physics at the Fermilab Tevatron Proton-Antiproton Collider
- Geer 95 Phys. Rev. C52:334, 1995;
Charge-Changing Fragmentation of 10.6 GeV/Nucleon ¹⁹⁷Au Nuclei
- Geer 95B FERMILAB-CONF-95-225-E;
Multijet Events at the Tevatron Proton-Antiproton Collider
- Geerts 91 BONN-IR-91-67;
A Study of the $D^*(2010)^\pm$ Production in Z^0 Decays
- Geiregat 91 Phys. Lett. 259B:499, 1991; CERN-PPE-91-15;
An Improved Determination of the Electroweak Mixing Angle From Muon-Neutrino Electron Scattering
- Geist 91 Nucl. Phys. A525:149c, 1991; CRN-HE-91-01;
Atomic Mass Dependence in Soft and Hard p nucleus Collisions
- Geld 92 Phys. Rev. D45:3949, 1992;
Study of Inclusive Λ Production in $e^+ e^-$ Annihilations at 20 GeV
- Gelovani 92 Yad. Phys. 55:2481, 1992; Sov. J. Nucl. Phys. 55:1380, 1992;
Analysis of Factorial Moments of Charged Particle Pseudorapidity Distributions in C Ne, Cu Collisions at 4.5 A GeV/c
- Genser 94 FERMILAB-CONF-94-288;
Search for Top with D0 Detector in Dilepton Channel
- Gentile 95 Nucl. Phys. B, Proc. Suppl B40:171, 1995;
 τ^\pm Decays with One Charged Particle and π^0 's
- Georgadze 95 Yad. Phys. 58:1170, 1995;
The Research of 2β Decays of ¹¹⁶Cd with Enriched ¹¹⁴CdWtO₄ Crystal Scintillator
- Gerbier 91 DPHPE-91-13;
Dark Matter: An Overview of Direct Searches
- Gerdes 94 FERMILAB-CONF-94-328-E;
Measurement of Correlated b Quark Cross Sections at CDF
- Ghosh 91 Phys. Lett. 272B:5, 1991;
Study of Fractality in Nucleus-Nucleus Interactions at a Few GeV/c
- Ghosh 92 Nuovo Cim. 105A:159, 1992;
Multiparticle Clustering in High Energy Interaction. A Direct Search
- Ghosh 92B Nuovo Cim. 105A:99, 1992;
Measurement of Charge of Projectile Fragments. Search for Fractionally Charged Projectile Fragments
- Ghosh 92C Phys. Rev. D46:3712, 1992;
Self-Similarity in Particle Production in Hadron-Nucleus Interactions at 350 and 200 GeV/c
- Ghosh 92D Z. Phys. A342:191, 1992;
Forward-Backward Multiplicity Correlations of Pions and Protons for Different Temperature Events in Heavy-Ion Interactions
- Ghosh 93 Phys. Rev. D47:1235, 1993;
Maximum Fluctuations of Particle Densities in Narrow Pseudorapidity Space in High-Energy Interaction of Hadron with Nuclei
- Ghosh 93B Mod. Phys. Lett. A8:3233, 1993;
Intermittencies in Hadron-Nucleus Interactions at 200 GeV/c in Terms of Fractal Correlators
- Ghosh 93C Acta Phys. Slovaca. 43:317, 1993;
Pionisation on GeV to TeV Hadron-Nucleus and Nucleus-Nucleus Interaction — Coherent or Chaotic?

- Ghosh 93D Progr. of Theor. Phys. 90:465, 1993;
Evidence of Different Pion Coherence Zone in High Energy Hadron-Nucleus and Nucleus-Nucleus Interaction
- Ghosh 93E Phys. Rev. C47:1120, 1993;
 $^{16}\text{O} + \text{Ar/Br}$ Interactions at 2.1 GeV/Nucleon and Some Aspects of Intermittency
- Ghosh 94 Phys. Rev. D49:3113, 1994;
Multihadron Production in High-Energy Interactions and Intermittency
- Ghosh 94B Mod. Phys. Lett. A9:591, 1994;
Evidence of Intra- and Intergroup Azimuthal Correlations in Nuclear Interactions at Few GeV/c
- Ghosh 94C Nuovo Cim. 107A:533, 1994;
Fractal Study of Pionization in $p\text{-AgBr}$ Interaction at 400 GeV/c
- Ghosh 94D Nuovo Cim. 107A:1517, 1994;
Analysis of p_T Spectrum of Projectile Fragments in Heavy-Ion Interactions. Identification of Collective Flow of Nuclear Matter
- Ghosh 94E Phys. Rev. C49:R1747, 1994;
Intermittency and Fragmentation of Target Residue in High-Energy Nuclear Interactions
- Ghosh 94F Phys. Rev. C49:3219, 1994;
Intermittency and Correlations in $^{16}\text{O} + \text{Ag/Br}$ Interactions at 2.1 GeV/Nucleon
- Ghosh 95 Phys. Rev. C52:2092, 1995;
Factorial Correlator Study in ^{32}S Ag/Br Interaction at 200 A GeV
- Ghosh 95B Phys. Rev. D51:1406, 1995;
Multiparticle Data in High Energy Hadronic Interaction with Nuclei and Koba-Nielsen-Olsen-Golokhvastov Scaling
- Ghosh 95C Eur. Lett. 29:521, 1995;
Evidence of Intermittency in Compound Multiplicity and High-Energy Hadron-Nucleus Interactions
- Giacomelli 91 Nucl. Phys. B, Proc. Suppl B25:30, 1991;
Multiplicities, Intermittency, Average Transverse Momentum, and Bose-Einstein Correlations at LEP
- Giacomelli 93 CERN-PPE-93-18;
The Search for the Standard Model Higgs Boson: Results at LEP 100 and Prospects for LEP 200
- Giannetti 91 FERMILAB-CONF-91-137-E;
QCD Tests at CDF
- Giannetti 94 FERMILAB-CONF-94-151-E;
Evidence for Color Coherence in Jet Events
- Gibaut 94 Phys. Rev. Lett. 73:934, 1994; CLNS-94-1284; CLEO-94-12;
Study of the Five Charged Pion Decay of the τ^\pm Lepton
- Gibaut 94B Mod. Phys. Lett. A9:675, 1994; VPI-IHEP-94-2; CMU-HEP-94-03; DOE-ER-40682-57;
Recent Results on Semimuonic Decays of Charm Mesons from Fermilab Experiment E653
- Gibaut 95 Phys. Rev. D53:4734, 1996; CLNS-95-1354; CLEO-95-16;
Measurements of $B \rightarrow D_s^+ X$ Decays
- Gibbons 93 Phys. Rev. Lett. 70:1199, 1993;
New Measurements of the Neutral Kaon Parameters δ_m , τ_s , $\phi_{00} - \phi_{+-}$, and ϕ_{+-}
- Gibbons 93B Phys. Rev. Lett. 70:1203, 1993;
Measurements of the CP -Violation Parameter $Re(\epsilon'/\epsilon)$
- Gibbons 95 CLNS-95-1323; CLEO-95-2;
A Study of Jet Production in the Four Flavor Continuum and a Test of QCD
- Gibbons 95B UR-1427;
Preliminary Results for Exclusive $b \rightarrow u \ell \nu$ Decays from CLEO
- Gibbons 95C FERMILAB-PUB-95-392-E;
 CP and CPT Symmetry Test from the Two Pion Decays of the Neutral Kaon with the FNAL E731 Detector
- Gilkes 94 Phys. Rev. Lett. 73:1590, 1994; LBL-36121;
The Determination of Critical Exponents from the Multifragmentation of Gold Nuclei
- Gill 91 Int. Jour. Mod. Phys. A6:3723, 1991;
Study of Nonperipheral ^{139}La Collisions with Emulsion Nuclei at 1.2 A GeV
- Giokaris 91 Nucl. Phys. B, Proc. Suppl B25:48, 1991;
Search for the η_6 Particle
- Girone 94 Nuovo Cim. 107A:1841, 1994;
Study of Vector-Vector Final States Centrally Produced in $p p$ Interactions at 300 GeV/c
- Girone 95 Nucl. Phys. B, Proc. Suppl B40:153, 1995;
Global Analysis of Tau Hadronic Branching Ratios in ALEPH
- Gittelmann 91 CLNS-91-1112;
Experimental Status of Heavy Quark Decay
- Glagolev 89 JINR-P1-89-218;
Multiplicity of Charged Particles in Inelastic Interactions of Oxygen Nuclei with Hydrogen at 3.1 A GeV/c
- Glagolev 91 JINR-E1-91-511;
The Study of Reactions with Deuteron and Pions in the Final State by $n p$ and deuteron p Interactions Comparison
- Glagolev 93 JETP Lett. 58:497, 1993; Pisma Zh. Eksp. Teor. Fiz. 58:497, 1993;
Isotope Composition of Fragments Produced in High-Energy ^{16}O p Interaction
- Glagolev 93B Z. Phys. C60:421, 1993;
Cross-Sections of the Interactions of He Nuclei with Protons
- Glagolev 94 Pisma Zh. Eksp. Teor. Fiz. 59:316, 1994;
Yield of Mirror Nucleus ^3H , ^3He and ^7Li , ^7Be in the Interactions of Relativistic Oxygen Nucleus with Proton
- Glagolev 94B Yad. Phys. 58:2000, 1995; JINR-P1-94-274;
Final State Interaction in ^3He p Collisions
- Glagolev 95 Yad. Phys. 58:2005, 1995;
Formation of Helium Nuclei in Oxygen-Proton Interactions at Relativistic Energies
- Glass 93 Phys. Rev. C47:1369, 1993;
Forward Angle Analyzing Power in p - n and p - p Quasifree Scattering at 643 and 797 MeV
- Glicenstein 93 DAPNIA-SPP-93-24;
Results from D0 on $W^\pm + \text{Jets}$
- Glover 91 Phys. Rev. C43:1664, 1991;
Scattering of Polarized Protons from ^7Li at 200 MeV

- Glushkov 95 Yad. Phys. 58:1265, 1995;
Irregularity of Muon Component of EAS with Energies above $5 \cdot 10^{18}$ eV
- Gobbi 92 FERMILAB-CONF-92-302;
First W^\pm Decays Observed with the D0 Detector
- Gobel 92 GSI-92-72;
Bhabha to Möller Cross Section Ratios in the Energy Range 2.15 – 2.45 MeV
- Godone 93 Phys. Rev. Lett. 71:2364, 1993;
New Experimental Limits to the Time Variations of $g_p(m_e/m_p)$ and α
- Goeckner 91 Phys. Rev. C43:66, 1991;
Measurement of the Electric Polarizability of ^3He
- Goerlach 92 Nucl. Phys. A544:109c, 1992;
Results of the HELIOS Collaboration on Low Mass Dilepton and Soft Photon Production in p Be, p Wt and S Wt Collisions
- Goetz 94 Nucl. Phys. A574:467, 1994;
Precise Relative Cross Sections for n p Scattering
- Gogolev 93 Phys. Lett. 300B:24, 1993;
Total Cross Section of the Reaction π^+ deuteron $\rightarrow p$ p at Pion Energies 26 – 40 MeV
- Gokhberg 91 Yad. Phys. 53:649, 1991;
Fission Cross Section of ^{245}Cm by Fast Neutrons and Angular Distributions of Fragments
- Gold 91 FERMILAB-CONF-91-287-E;
Direct Production of High p_T Leptons and Search for Additional Heavy Bosons at 1.8 TeV
- Gold 92 FERMILAB-CONF-92-287-E;
Search for Exotic Particles at CDF
- Golde 92 Z. Phys. A344:291, 1992; UB-HEX-92-06;
Characteristics of He-Nucleus Interactions at Relativistic Energy
- Golden 92 AJ NOT FOUND 436:769, 1994; LNF-92-O52-P;
Observation of Cosmic Ray Electrons and Positrons Using an Imaging Calorimeter
- Goldzahl 91 Nucl. Phys. A533:675, 1991;
The First Observation of π^0 Production in the Reaction deuteron deuteron \rightarrow He π^0 Violating Charge Symmetry Conservation and Measurement of the Reaction deuteron deuteron \rightarrow He γ
- Gollwitzer 94 Yad. Phys. 57:1793, 1994;
Charmonium Formation in \bar{p} p Annihilations by Experiment E760
- Golovkin 94 Z. Phys. C68:585, 1995; IFVE-94-78;
Study of Coherent Diffractive Production Reactions of p $C \rightarrow Y^0 K^+ C$ Type and Observation of the New Baryonic States $X(2050) \rightarrow \Sigma(1385 P_{13})^0 K^+$ and $X(2000) \rightarrow \Sigma^0 K^+$
- Golovkin 95 IFVE-95-144;
Study of Diffractive Production Processes in Proton-Nucleon and Proton-Nucleus Interactions and Search for Exotic Baryons
- Golutvin 94 DESY-94-168;
 τ^\pm Decays
- Gomez 93 Phys. Rev. D49:4348, 1994; SLAC-PUB-5813;
Measurement of the A-Dependence of Deep-Inelastic Electron Scattering
- Gomezycadena 90 Phys. Rev. Lett. 66:1007, 1991; SLAC-PUB-5009; SCIPP-90-05; LBL-27367;
A Search for Elastic Nondiagonal Lepton Pair Production in $e^+ e^-$ Annihilation at $\sqrt{s} = 20$ GeV
- Gomezycadena 94 CERN-PPE-94-13;
Experimental Results on τ^\pm Physics
- Gonin 94 Nucl. Phys. A566:601c, 1994;
Baryon Distributions and Meson Production in Au+Au at 11.6 GeV/c First Particle Spectra from E866
- Goobar 91 PREPRINT-STOH;
Search for Higgs Bosons in Z^0 Decays Using the DELPHI Detector
- Goodkind 93 Phys. Rev. D47:1290, 1993;
Test of the Gravitational Inverse-Square Law at 0.4- to 1.4-m Mass Separations
- Goodman 92 ANL-HEP-CP-92-124;
Interactions of Atmospheric ν_μ and ν_e Observed in Soudan 2
- Gordeev 93 Pisma Zh. Eksp. Teor. Fiz. 57:262, 1993;
Experimental Investigation of the Muonium to Antimuonium Conversion at LYP JINR Phasotron
- Gorgen 91 Phys. Rev. Lett. 66:2193, 1991;
Analyzing Powers for Pion Charge Exchange on Polarized ^{13}C
- Gorichev 91 ITEP-91-14;
Charged-Particles Production with Kinetic Energy Less 30 MeV/Nucleon for Neutrino Interaction at Mean Energy 50 GeV with Emulsion Nuclei
- Gorichev 93 Nucl. Phys. A576:586, 1994; ITEP-93-53;
Slow Particles Production in Interactions of Neutrinos with Heavy Nuclei of Photoemulsion
- Gornov 91 Nucl. Phys. A531:613, 1991;
Search for Superheavy Hydrogen Isotopes and Multineutrons in π^- Absorption on ^9Be
- Gothe 95 Phys. Lett. 355B:59, 1995;
Measurement of the Elastic π^0 Photoproduction Cross Sections on ^{12}C and ^{13}C
- Gotta 94 Phys. Rev. C51:469, 1995; PSI-PR-94-18;
Negative Pion Absorption at Rest in ^3He
- Goulianos 94 FERMILAB-CONF-94-266-E;
Universality of Particle Multiplicities
- Grabez 93 Phys. Rev. C48:R2144, 1993;
Light Fragment Production in the 3.65 A GeV $^{12}\text{C} + ^{208}\text{Pb}$ Reaction
- Graf 93 FERMILAB-CONF-93-055-E;
 W^\pm and Z^0 Decays to Electrons in D0
- Graf 94 FERMILAB-CONF-94-021-E;
Production of W^\pm and Z^0 Bosons at D0
- Graham 92 Phys. Lett. 295B:169, 1992;
Search for the Decay $K_L \rightarrow \pi^0 \nu \bar{\nu}$
- Grannis 94 FERMILAB-PUB-94-277;
Search for the Top Quark: Results from the D0 Experiment

- Grassi 93 LNGS-93-69;
A Sensitive Search for Neutrino Bursts from Stellar Gravitational Collapse with the MACRO Detector
- Grassmann 92 FERMILAB-CONF-92-105;
Status Report from CDF
- Grassmann 94 Nucl. Phys. B, Proc. Suppl B39C:348, 1995; FERMILAB-CONF-94-299-E;
Kinematical Evidence for Top Pairs at the Tevatron
- Grassmann 95 FERMILAB-CONF-95-060-E;
Kinematic Top Analyses at CDF
- Grechko 94 Phys. Lett. 343B:41, 1994; JETP Lett. 59:325, 1994; Pisma Zh. Eksp. Teor. Fiz. 59:305, 1994; ITEP-94-25;
Determination of the Momentum Distribution of the Deuteron-Deuteron Relative Motion of the Alpha Particle from Data on the Reaction ${}^4\text{He } p \rightarrow p$ deuteron deuteron for Incident Alpha Particle Momentum 2.7 GeV/c
- Greenlee 93 FERMILAB-CONF-93-363-E;
Search for the Top Quark in the Single Lepton + Jets Channel at D0
- Greenlee 95 FERMILAB-CONF-95-103-E;
Observation of the TOP Quark
- Greenshaw 94 DESY-94-112;
New Results from H1 Experiment at HERA on Jets, the Proton Structure Function, Rapidity Gap Events, Charged Current Cross Section and Searches for New Particles
- Gribushin 95 Phys. Rev. D53:4723, 1996; FERMILAB-PUB-95-298-E;
Production of $J/\psi(1S)$ and $\psi(2S)$ Mesons in π^- Be Collisions at 515 GeV/c
- Gridnev 93 JINR-E1-93-98;
Separation of Clusters in the Mg-Mg Reactions
- Gridnev 95 Yad. Phys. 58:461, 1995;
Test of Charge Symmetry in π^- deuteron and π^+ deuteron Elastic Scattering at Energy $T = 417$ MeV
- Gromov 92 Kr. Soob. JINR 52:28, 1992;
To the Question of the Production Possibility of Particles with Mass about 3 Electron Mass in Nuclear Beta-Decay
- Gronberg 95 Phys. Rev. Lett. 75:3232, 1995; CLNS-95-1346; CLEO-95-10;
Observation of the Isospin Violating Decay $D_s^{*+} \rightarrow D_s^+ \pi^0$
- Gross 92 CERN-PPE-92-91;
The Search for the SM Higgs Boson at LEP-I. A Comparative Study
- Gross 92B Int. Jour. Mod. Phys. A8:407, 1993; CERN-PPE-92-153;
SM Higgs Boson Hunting at LEP
- Grunewald 93 CIT-THESIS;
Measurement of the Tau-Pair Cross Section and Charge Asymmetry at the Z^0 Resonance
- Gruwe 93 Phys. Lett. 309B:463, 1993; CERN-PPE-93-93;
Search for $\nu_\mu \rightarrow \nu_\tau$ Oscillation
- Gu 94 Phys. Rev. Lett. 72:3000, 1994;
Measurement of the Branching Ratio and a Study of CP for the Leptonic Decay $K_L \rightarrow e^+ e^- e^+ e^-$
- Guillaud 91 Nucl. Phys. A525:449c, 1991;
The Production of ρ , ω , $\phi(1020)$ in 200 GeV/Nucleon S-U and O-U Interactions
- Gulamov 91 Yad. Phys. 54:1327, 1991;
Proton Collisions with Heavy Photoemulsion Nuclei at 20.8 GeV
- Gulamov 95 Yad. Phys. 58:1649, 1995;
The Investigations of Intermittency in ${}^{12}\text{C}$, ${}^{16}\text{O}$, and ${}^{22}\text{Ne}$ Nucleus Interactions at Momentum 4.5 GeV/c per Nucleon with Nuclear Emulsion
- Gulkanyan 91 Nucl. Phys. A546:677, 1992; YERE-1333(28)-91;
Production of π^- Meson in the Fragmentation and Central Region of deuteron-C Interactions at 1 GeV per Nucleon
- Gulkanyan 91B YERE-1354(49)-91;
Measurement of the Yield, Momentum and Angular Distributions of π^- Mesons in the Interactions of Deuteron with Carbon and Beryllium Thick Target at the Energy of 1 GeV per Nucleon
- Gulmez 91 Phys. Rev. C43:2067, 1991;
Absolute Differential Cross Section Measurements for Proton-Deuteron Elastic Scattering at 641.3 and 792.7 MeV
- Gulmez 93 Nucl. Phys. A551:621, 1993;
Absolute Differential Cross-Section Measurements for $p p \rightarrow \pi^+$ deuteron Reaction at 500-800 MeV
- Gulyamov 92 Nucl. Phys. A544:153, 1992;
Review of Recent Results on Particle Production from EMU01
- Gunther 95 Nucl. Phys. A590:487c, 1995;
Antibaryon Production in ${}^{32}\text{S}+$ Nucleus Collisions at 200 GeV/Nucleon
- Gupta 93 Phys. Rev. D48:3463, 1993;
An Episode of Ultrahigh Energy Radiation from the γ -ray Source Geminga: GRAPES I Observations at Ooty
- Guriyev 93 Pisma Zh. Eksp. Teor. Fiz. 57:389, 1993;
First Measurement of Roentgen Radiation of the Σ^- Atoms with the Help of Crystall-Diffractonal Spectrometer
- Gutierrez 94 Nuovo Cim. 107A:1847, 1994;
Light-Meson Spectroscopy in Fermilab Experiment E690
- Guyot 92 DAPNIA-SPP-92-28;
Test of CP Violation Using $K^0\bar{K}^0$ Interferometry
- Haas 94 DESY-94-160;
Recent Results from $e^- p$ Scattering at HERA
- Hackett 96 Phys. Rev. C53:R1047, 1996;
Reaction Mechanisms in ${}^{12}\text{C}(\gamma, p p)$ Near 200 MeV
- Hafidouni 94 Nucl. Instr. and Meth. A339:570, 1994; CRN-94-20;
Correction of Measured Multiplicity Distributions by the Simulated Annealing Method
- Hagberg 92 TASSC-P-92-8;
Precise Studies of $0^+ \rightarrow 0^+$ Superallowed Beta Emitters at Chalk River

- Hager 95 Nucl. Phys. A595:287, 1995;
Elastic Scattering of 58 and 75 MeV Photons by ^{12}C and ^{16}O and Electromagnetic Polarizabilities of the Bound Nucleon
- Hagley 94 Phys. Rev. Lett. 72:1172, 1994;
Separated Oscillatory Field Measurement of Hydrogen $2S_{1/2} - 2P_{3/2}$ Fine Structure Interval
- Hagner 95 Phys. Rev. D52:1343, 1995;
Experimental Search for the Neutrino Decay $\nu \rightarrow \nu + e^+ + e^-$ and Limits on Neutrino Mixing
- Hagopian 94 FERMILAB-CONF-94-331-E;
Search for Supersymmetry and Leptoquark States at FNAL
- Haguenauer 94 Nuovo Cim. 107A:2093, 1994;
The Real Part of the Elastic-Scattering Amplitude at the $S\bar{p}pS$ and Predictions at LHC and SSC
- Hahn 94 Phys. Rev. C53:1047, 1996; TRI-PP-94-103; TAUP-2217-94;
Pion Absorption on ^3He at Low Energies
- Halley 91 RALT-120;
A Study of the Forward-Backward Charge Asymmetry in Hadronic Z^0 Decays
- Hallin 92 Phys. Rev. D45:3955, 1992;
Sensitive Search for Resonances in Low-Energy $e^+ e^-$ Scattering
- Hallin 93 Phys. Rev. C48:1497, 1993;
Compton Scattering from the Proton
- Hamagaki 94 Nucl. Phys. A566:27c, 1994;
Semi-Inclusive Hadron Spectra with Beams of Si and Au at the AGS
- Hamann 92 Yad. Phys. 55:1501, 1992;
Status of the JETSET(PS202) Experiment at CERN-LEAR
- Hamilton 94 FERMILAB-CONF-94-209-E;
Photon-Charm Production in $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Hammas 91 Phys. Rev. Lett. 66:2293, 1991;
Neutron-Proton Spin-Correlation Parameter A_{zz} at 68 MeV
- Hanelt 93 Z. Phys. A346:43, 1993;
Momentum Distributions of Projectile Fragments Produced in the Cold and Hot Fragmentation of Relativistic ^{136}Xe and ^{197}Au Projectiles
- Hanna 94 Nucl. Phys. A577:173c, 1994;
Isospin Splitting in Analog Giant Resonances Excited by Single Pion Charge Exchange Reactions
- Hansen 95 Phys. Rev. Lett. 74:654, 1995;
Transverse-Longitudinal Asymmetry in the Quasielastic $^3\text{He} \uparrow (e^-, e^-)$ Reaction
- Hara 94 FERMILAB-CONF-94-088-E;
Electroweak and Bottom Physics at the Tevatron Collider
- Harakeh 94 Nucl. Phys. A577:57c, 1994;
The ($^3\text{He}, ^3\text{H} \bar{p}$) Reactions: a Means to Study the Microscopic Structure of Spin-Isospin Modes
- Harjes 91 DESY-FCE-91-01;
Experimental Investigation of the Reaction $\gamma \gamma \rightarrow \pi^+ \pi^-$ with CELLO Detector
- Harjes 91B DESY-91-145-B;
CELLO Results on $\gamma \gamma \rightarrow \pi^+ \pi^-$
- Harnew 94 DESY-94-023;
Exotic Particle Searches, Photoproduction and Diffraction in DIS at HERA
- Harris 91 FERMILAB-CONF-91-236-E;
Isolated Single and Double Direct Photon Production at CDF
- Harris 91B ILL-NPL-91-011; CERN-PRE-91-53;
First Results from the JETSET Experiment at LEAR
- Harris 92 FERMILAB-CONF-92-146;
QCD Physics at CDF
- Harris 92B FERMILAB-CONF-92-317-E;
Isolated Double Prompt Photon Production at CDF
- Harris 93 Phys. Rev. Lett. 71:3914, 1993;
Limit on the Branching Ratio of $K_L \rightarrow \pi^0 \mu^+ \mu^-$
- Harris 93B Phys. Rev. Lett. 71:3918, 1993;
Limit on the Branching Ratio of $K_L \rightarrow \pi^0 e^+ e^-$
- Harris 94 FERMILAB-CONF-94-101-E; CDF-PUB-JET-PUBLIC-2567;
Photon production at CDF and DO
- Harris 94B FERMILAB-CONF-94-222-E; CDF-PUB-EXOTIC-PUBLIC-2714;
Search for New Particles Decaying to Dijets in $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Harris 95 FERMILAB-CONF-95-024-E;
Search for Exotic Particles at CDF
- Harris 95B FERMILAB-CONF-95-152-E; CDF-PUB-EXOTIC-PUBLIC-3192;
Search for New Particles Decaying to Dijets, $b \bar{b}$, and $t \bar{t}$ at CDF
- Hartouni 94 Phys. Rev. Lett. 72:1322, 1994; Phys. Rev. Lett. 72:2821, 1994;
Precise Measurement of the Λ and $\bar{\Lambda}$ Masses and a Test of CPT Invariance
- Harty 95 Phys. Rev. C51:1982, 1995;
 $^{12}\text{C}(\gamma, p)^{11}\text{Bor}$ Cross Section from 80 to 157 MeV
- Hasan 92 Nucl. Phys. B378:3, 1992;
Differential Cross Sections and Analysing Powers for $\bar{p} p \rightarrow \pi^- \pi^+$ and $K^+ K^-$ from 360 to 1550 MeV/c
- Hasan 94 Phys. Lett. 334B:215, 1994;
Amplitudes for $\bar{p} p \rightarrow \pi \pi$ from 0.36 to 2.5 GeV/c
- Hasegawa 95 Phys. Rev. Lett. 74:224, 1995; INS-1037;
Core-Excited States of ^{12}C , Hypernuclei Formed in the (π^+ , K^+) Reaction
- Hasegawa 96 Phys. Rev. C53:1210, 1996;
Spectroscopic Study of ^{10}Bor , ^{12}C , ^{28}Si , ^{89}Yt , ^{139}La , and ^{208}Pb , by the (π^+ , K^+) Reaction
- Hashimoto 94 Phys. Rev. C49:420, 1994;
Projectile Rapidity Pions in 775 MeV/Nucleon $^{139}\text{La} + ^{12}\text{C}$ and $^{139}\text{La} + ^{139}\text{La}$ Reactions
- Hasinoff 92 TRI-PP-92-86;
Radiative Muon Capture on Hydrogen and the Induced Pseudoscalar Coupling

Hasinoff 92B

Herrera 91

- Hasinoff 92B TRI-PP-92-85;
Radiative Muon Capture and Renormalization of the Induced Pseudoscalar Coupling Constant in Nuclei
- Hasinoff 93 TRI-PP-93-30;
Measurement of the Induced Pseudoscalar Coupling Constant, g_p , via Radiative Muon Capture on Hydrogen
- Hasinoff 94 TRI-PP-94-73;
Measurement of the Induced Pseudoscalar Coupling via Radiative Muon Capture on Hydrogen
- Hatano 95 Phys. Rev. D52:6219, 1995;
Relative Abundance of ^3He and ^4He in Cosmic Rays near 10 GeV
- Hauger 94B FERMILAB-CONF-94-235-E;
Properties of Jets in Z^0 Events from 1.8 TeV $\bar{p} p$ Collisions
- Hausser 90 Phys. Rev. C43:230, 1991; TRI-PP-90-61;
The Nuclear Response in the $^{54}\text{Fe}(p, p')$ Reaction at 290 MeV
- Hausser 91 TRI-PP-91-46;
Scattering of Protons and Pions from Polarized ^3He
- Hausser 95 Phys. Lett. 343B:36, 1995;
Elastic Scattering of Polarized Protons from Polarized ^3He
- Hawk 94 FERMILAB-CONF-94-226-E;
A Study of Parton Distribution Functions with the Use of Photon + Jet Event Kinematics in $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Hayano 91 Nucl. Phys. A527:477, 1991;
Light Σ Hypernuclei
- Hayano 94 Nucl. Phys. A566:439c, 1994;
Rapidity Distributions of Antiprotons in Si+A and Au+A Collisions
- Hayano 94B Phys. Rev. Lett. 73:1485, 1994; Phys. Rev. Lett. 73:3181, 1994; INS-1029;
Laser Studies of the Decay Chain of Metastable Antiprotonic Helium Atoms
- Hayashida 94 Phys. Rev. Lett. 73:3491, 1994; ICRR-324-94-19;
Observation of a Very Energetic Cosmic Ray Well Beyond the Predicted 2.7-K Cutoff in the Primary Energy Spectrum
- Hayashida 95 Jour. of Phys. G 21:1101, 1995; ICRR-337-95-3;
Muons ≥ 1 GeV in Large Extensive Air Showers of Energies between $10^{16.5}$ eV and $10^{19.5}$ eV Observed at Akeno
- Hayashii 91 Phys. Lett. 279B:422, 1992; KEK-91-208; NWU-HEP-92-01; DPNU-92-06; INS-REP-911; OCU-HEP-92-01; PU-92-658; TIT-HEP-92-01; TU-HEP-92-01; TUAT-HEP-92-01; UT-HE-92-03;
An Experimental Study of Muon Pair Production in Tagged Two-Photon Interaction
- Hayashii 93 Phys. Lett. 314B:149, 1993; KEK-93-47; NWU-HEP-93-03; TUAT-HEP-93-02; DPNU-93-24; TIT-HPE-93-24; OCU-HEP-93-02; PU-93-670; INS-REP-990;
Measurement of the Inclusive Cross Section of Jets in $\gamma \gamma$ Interactions at TRISTAN
- He 91 Phys. Rev. C44:1672, 1991;
Search for Fractional Charge States in High-Energy Heavy Fragments Produced in Collisions at 14.5 A GeV ^{28}Si with Pb and Cu Target
- He 91B Phys. Rev. D44:R2635, 1991;
Upper Limit to the Diffuse Cosmic Ultrahigh-Energy γ Spectrum
- He 93 Phys. Lett. 298B:50, 1993;
Measurement of Cross Section for Charge Pickup by 11.4 A GeV Gold Ions
- He 93B Phys. Rev. C48:647, 1993;
Search for Abnormal Nucleus Production in Heavy Ion Collisions
- He 94 Z. Phys. A348:105, 1994;
Nuclear and Electromagnetic Fragmentation of 2.25 TeV ^{197}Au Nuclei
- Hebbeker 91 PITHA-91-17;
QCD Studies at LEP
- Hebbeker 91B Phys. Rept. 217:69, 1991;
Test of Quantum Chromodynamics in Hadronic Decays of Z^0 Bosons Produced in $e^+ e^-$ Annihilation
- Hedin 94 FERMILAB-CONF-94-415-E;
B Physics Results from D0
- Heinson 91 Phys. Rev. D44:R1, 1991;
Higher Statistics Measurement of the Branching Ratio for the Decay $K^0 \rightarrow \mu^+ \mu^-$
- Heinson 94 Phys. Rev. D51:985, 1995; PRINCETON-HEP-94-15;
Measurement of the Branching Ratio for the Rare Decay $K^0 \rightarrow \mu^+ \mu^-$
- Heintz 91 Phys. Rev. Lett. 66:1563, 1991;
Sequential Decays of the $\Upsilon(3S)$
- Heintz 92 Phys. Rev. D46:1928, 1992;
 $b \bar{b}$ Spectroscopy from the $\Upsilon(3S)$ State
- Heltsley 92 CLNS-92-1171;
New CLEO Results on Tau Physics
- Hemmick 94 Nucl. Phys. A566:435c, 1994;
Low Pt Pion Enhancement in $^{28}\text{Si}+\text{Pb}$ Collisions at 14.6 A GeV/c
- Henderson 91 Phys. Rev. D45:2212, 1992; CLNS-91-1101; CLEO-91-7;
Measurement of the Semileptonic Branching Fractions of B Mesons at the $\Upsilon(4S)$ Resonance
- Henderson 91B Phys. Lett. 283B:161, 1992; CLNS-91-1125;
Observation of the Decay $\Xi_c(2460)^0 \rightarrow \Omega^- K^+$
- Henderson 92 Phys. Rev. Lett. 69:1733, 1992;
Search in s Channel for Production of 1 - 2 MeV/c² Long-Lived $e^+ e^-$ Resonances
- Henneck 93 Phys. Rev. C47:1859, 1993;
Analysis of nucleon nucleon Scattering below 160 MeV: Indication for a Strong Tensor Force
- Hennino 92 Phys. Lett. 283B:42, 1992;
Study of Decay and Absorption of the Δ Resonance in Nuclei with a 4π Detector
- Hennino 93 Phys. Lett. 303B:236, 1993;
Coherent Pions in Charge Exchange Reactions
- Herrera 91 DORTMUND-91;
Bose-Einstein Correlations in $e^+ e^-$ Annihilations in the Energy Region of the $\Upsilon(1S)$ Resonance

- Herrick 95 Phys. Rev. C52:744, 1995;
Elastic Scattering and Quasielastic Transfer for $^{32}\text{S}+^{96}\text{Mo},^{100}\text{Mo}$ at $E_{\text{lab}} = 180$ MeV
- Hertzog 92 ILL-P-92-90;
Search for Exotic Mesons at LEAR-CERN
- Heuring 95 FERMILAB-CONF-95-161-E;
Jet Correlation Studies as a Function of Rapidity Interval
- Heusch 91 CERN-PPE-91-225;
Status of Gluonium Searches
- Hicks 92 Phys. Lett. 276B:423, 1992;
Search for a Light Neutral Boson Associated with Beta Decay
- Hicks 93 Phys. Rev. C47:260, 1993;
Comparison of the Quasifree Charge-Exchange Reaction for ^{12}C and ^{54}Fe
- Hidaka 91 Phys. Rev. D44:927, 1991;
Absolute Mass Limits of the Gaugino-Higgsino Sector in the Minimal Supersymmetric Model from Data from the CERN Collider LEP and the Fermilab TEVATRON
- Hiddemann 95 Jour. of Phys. G 21:639, 1995;
Limits on Neutrino Masses from the Tritium β Spectrum
- Higuchi 93 Progr. of Theor. Phys. 88:1019, 1993;
Intermediate Energy p p Phase Shifts to 1000 MeV
- Hill 91 Phys. Lett. 273B:371, 1991;
Observation of Very Large Electromagnetic Dissociation Cross Sections
- Hill 95 Phys. Rev. Lett. 75:2654, 1995;
Alternative Analysis of the LSND Neutrino Oscillation Search Data on $\bar{\nu}_{\mu} \leftrightarrow \bar{\nu}_e$
- Hime 91 Phys. Lett. 257B:441, 1991; OUNP-91-01;
New Evidence for the 17 keV Neutrino
- Hime 91B OUNP-91-10;
Experimental Status of the 17 keV Neutrino
- Hime 92 Mod. Phys. Lett. A7:1301, 1992;
Pursuing the 17 keV Neutrino
- Hindi 94 Phys. Rev. C49:3289, 1994;
Search for a 17 KeV Neutrino in the Internal Bremsstrahlung Spectrum of ^{125}I
- Hinode 93 Phys. Lett. 313B:245, 1993; KEK-92-194;
A Study of Charged $D^*(2010)$ Production in $e^+ e^-$ Annihilation at an Average Center-of-Mass Energy of 58 GeV
- Hirata 90C Phys. Rev. Lett. 66:9, 1991; ICRR-222-90-15; KEK-90-96; TOKAI-U-KAM-90-03; KOBE-AP-90-04; NIIG-DP-90-5; OULNS-90-12; TIT-HPE-90-4; UPR-0197E;
Search for Day/Night and Semiannual Variations in the Solar Neutrino Flux Observed in the KAMIOKANDE-II Detector
- Hirata 91 ICRR-239-91-8;
Search for Supernova Neutrinos at KAMIOKANDE-II
- Hirata 91B Phys. Rev. D44:2241, 1991; Phys. Rev. D45:2170, 1992;
Real-Time, Directional Measurement of ^8Bor Solar Neutrinos in the KAMIOKANDE-II Detector
- Hirata 91C Phys. Lett. 280B:146, 1992; ICRR-263-92-1; KEK-91-197; TOKAI-U-KAM-91-01; KOBE-AP-91-08; NIIG-DP-91-6; OULNS-91-13; TIT-HPE-91-6; UPR-0210E;
Observation of a Small Atmospheric ν_{μ}/ν_e Ratio in KAMIOKANDE
- Hirata 92 Phys. Rev. D45:3355, 1992;
Search for Neutrino Induced Low-Energy-Electron-Event Clusters in KAMIOKANDE-II
- Hiroaki 93 SLAC-PUB-6362;
A Study of Jet Handedness at the Z^0 resonance
- Hirzebruch 92 Phys. Rev. C46:1487, 1992;
Fragmentation Cross Sections of ^{16}O between 0.9 and 200 GeV/Nucleon
- Hirzebruch 95 Phys. Rev. C51:2085, 1995;
Charge Changing Interactions of ^{197}Au at 10 GeV/Nucleon in Collisions with Targets from H to Pb
- Ho 91 Phys. Rev. D44:3402, 1991;
Measurement of the Polarization and Magnetic Moment of Ξ^+ Antihyperons Produced by 800 GeV/c Protons
- Hocker 94 BONN-IB-94-17;
Test of CP Invariance in $Z^0 \rightarrow \tau^+ \tau^-$ Decay and Determination of the Weak Dipole Moment of τ Leptons
- Hoffmann 94 Phys. Rev. C49:630, 1994;
Spin Correlation Measurements for $p\uparrow + p\uparrow$ Elastic Scattering at 497.5 MeV
- Hofmann 91 BONN-IR-91-26;
Inclusive Production of ρ^0 Mesons on Protons with Photons, Pion and Kaon Beams in the 65 - 175 GeV Energy Region
- Hofmann 92 Yad. Phys. 55:1281, 1992;
Antiproton Induced Fission and Fragmentation
- Hofmann 94 Phys. Rev. C49:2555, 1994;
Fission of Heavy Nuclei Induced by Stopped Antiprotons. I. Inclusive Characteristics of Fission Fragments
- Hoftun 95 FERMILAB-CONF-95-009-E;
The D0 Detector at Fermilab: Recent Results and Future Plans
- Holzschuh 92 Phys. Lett. 287B:381, 1992;
Measurement of the Electron Neutrino Mass from Tritium β -Decay
- Homer 92 Z. Phys. C55:549, 1992;
A Search for Fractional Electric Charge in Sea Water
- Homolka 92 Phys. Rev. C45:1276, 1992;
Measurement of the $^{12}\text{C}(p, \pi^0)^{13}\text{N}$ Reaction by Recoil Detection
- Honda 93 Phys. Rev. Lett. 70:525, 1993;
Inelastic Cross Section for p -Air Collisions from Air Shower Experiments and Total Cross Section for p p Collisions up to $\sqrt{s} = 24$ TeV
- Hong 93 LNGS-93-70;
Search for Slow Moving Magnetic Monopoles with the MACRO Detector
- Horikawa 94 Nucl. Phys. A577:313c, 1994;
The Present Status of the Nucleon Spin Structure Functions

Hosoda 94

Inagaki 91

- Hosoda 94 Phys. Lett. 331B:211, 1994; KEK-93-194;
A Study of Single Photon Production in $e^+ e^-$ Annihilation at $\sqrt{s} = 58$ GeV
- Howell 92 Phys. Lett. 291B:206, 1992; KEK-92-49; DPNU-92-31; KOBE-HEP-92-03; OCU-HEP-92-03; INS-REP-938; NWU-HEP-92-04; TAUT-HEP-92-04; PU-92-660; TIT-HPE-92-05;
Cross Sections and Charged Asymmetries for $e^+ e^- \rightarrow \mu^+ \mu^-$ and $e^+ e^- \rightarrow \tau^+ \tau^-$ Reactions at $\sqrt{s} = 52 - 61.4$ GeV
- Hsiung 92 FERMILAB-CONF-92-79;
Latest Results on the Direct CP -Violation Measurements - ϵ'/ϵ
- Hsiung 94 FERMILAB-CONF-94-214-E;
 CP Violation Measurements in Neutral Kaon System at Fermilab
- Hsuch 92 Phys. Rev. D45:2181, 1992; FERMILAB-PUB-92-05;
The Width of the $J/\psi(1S)$ Resonance
- Hu 93 FERMILAB-CONF-93-009-E;
Sparticle Searches at CDF
- Hu 93B FERMILAB-CONF-93-157-E;
SUSY Searches at CDF
- Huang 91 Nucl. Phys. A527:625c, 1991;
Dilepton ($e^+ e^-$) Production at BEVALAC Energies
- Huang 92 Phys. Lett. 297B:233, 1992;
Dielectron Yields in p deuteron and $p p$ Collisions at 4.0 GeV
- Huang 94 Phys. Rev. C49:314, 1994;
Mass and Transverse Momentum Dependence of Dielectron Production in p -deuteron and $p+p$ Collisions at 4.0 GeV
- Hubele 91 Z. Phys. A340:263, 1991;
Fragmentation of Gold Projectiles: from Evaporation to Total Disassembly
- Huber 91 Phys. Rev. D44:636, 1991;
Search for a Flux of Cosmic Ray Magnetic Monopoles with an Eight-Channel Superconductive Detector
- Hubler 95 Phys. Rev. D51:4005, 1995;
Determination of the Gravitational Constant with a Lake Experiment: New Constraints for Non-Newtonian Gravity
- Huehn 94 FERMILAB-CONF-94-319-E;
Bottom-Quark Production from Muon-Jet and Dimuon Events in $p \bar{p}$ Interactions at $\sqrt{s} = 1.8$ TeV
- Huffman 92 FERMILAB-CONF-92-337-E;
The Bottom Quark Cross Section in $p \bar{p}$ Collisions from Inclusive Decays to Muons
- Huffman 93 FERMILAB-CONF-93-274-E; CDF-PUB-BOTTOM-PUBLIC-2207;
 b Quark Production Cross Sections and the b - \bar{b} Correlated Production Cross Section at CDF
- Hughes 92 Phys. Rev. Lett. 69:578, 1992;
Electric Charges of Positrons and Antiprotons
- Hughes 93 SLAC-PUB-6217;
SLAC Measurement of the Neutron Spin Structure Function
- Hughes 93B SLAC-PUB-6347;
Results on Structure Functions from Fixed Target Experiments
- Hughes 93C SLAC-PUB-6377;
New Results on Nucleon Spin Structure Functions
- Hughes 95 CERN-PPE-95-178;
Nucleon Spin Structure from Polarized Deep Inelastic Muon-Nucleon Scattering at CERN
- Hui 94 Phys. Rev. C49:83, 1994;
Pion Double Charge Exchange on $Senat$
- Hui 95 Phys. Rev. C51:3169, 1995;
Pion Double Charge Exchange on the Even Selenium Isotopes
- Huston 93 FERMILAB-CONF-93-404-E;
Recent QCD Results from CDF
- Hutcheon 91 Nucl. Phys. A535:618, 1991; TRI-PP-91-10;
Measurement of nucleon nucleon \rightarrow deuteron π Very Near Threshold. I. The $n p \rightarrow$ deuteron π^0 Cross Section
- Hyman 92 Phys. Rev. C47:1184, 1993; PSI-PR-92-32;
Energy Dependence of Two-Nucleon Pion Absorption on ^{16}O
- Hyslop 92 Phys. Rev. D46:961, 1992;
Partial-Wave Analysis of K^+ -Nucleon Scattering
- Ichihara 94 Nucl. Phys. A577:93c, 1994;
Excitation of Spin-Dipole States by the $^{12}C(^{12}C, ^{12}Ni)^{12}Bor$ Reaction at $E/A = 135$ MeV
- Ichimura 93 Nuovo Cim. 106A:843, 1993;
Unusually Penetrating Particle Detected by Balloon-Borne Emulsion Chamber
- Iconomidoufa 91 LAL-91-05;
A New Measurement of ϵ'/ϵ by the NA31 Experiment
- Igarashi 93 FERMILAB-CONF-93-386-E;
Study of $B^0-\bar{B}^0$ Mixing in $D0$
- Igarashi 95 Phys. Rev. C52:755, 1995;
Photon Scattering from ^{12}C and 4He Nuclei near the $\Delta(1232 P_{33})$ Resonance
- Ignatovich 95 Pisma Zh. Eksp. Teor. Fiz. 62:3, 1995;
Additional Result on Lifetime of Neutron from Experiments on Storage of Ultracold Neutrons
- Iijima 92 Nucl. Phys. A546:588, 1992; KEK-92-4;
(K^-, K^+) Reaction on Nuclear Targets at $P_{K^-} = 1.65$ GeV/c
- Imai 92 Nucl. Phys. A547:199, 1992; KUNS-1137;
 $S = -2$ Nuclei Studied by Emulsion-Counter Hybrid Experiment
- Imazato 92 Phys. Rev. Lett. 69:877, 1992; INS-928; KEK-92-30;
Search for Right-Handed Currents in the Decay Chain $K^+ \rightarrow \mu^+ \nu, \mu^+ \rightarrow e^+ \nu \bar{\nu}$
- Imazato 92B KEK-92-145;
Kaon Decay Studies at KEK
- Inagaki 91 Phys. Rev. Lett. 67:2614, 1991; KEK-91-84;
Search for the Rare Decays $K_L \rightarrow \mu^\pm e^\pm$ and $K_L \rightarrow e^+ e^-$

Inagaki 91B

- Inagaki 91B Phys. Rev. Lett. 67:2618, 1991; KEK-91-83;
Measurement of the Branching Ratio of the Decay $K_L \rightarrow \mu^+ \mu^-$
- Incagli 92 FERMILAB-CONF-92-338-E;
Dijet Invariant Mass Spectrum at CDF
- Incandela 95 FERMILAB-CONF-95-237-E; CDF-PUB-TOP-PUBLIC-3273;
CDF Top Quark Production and Mass
- Incandela 95B FERMILAB-CONF-95-162-E; CDF-PUB-TOP-3209;
Top Decay to Lepton + Jets: CDF B Tags and Cross-Section
- Irmscher 94 Nucl. Phys. A566:347c, 1994;
Search for Direct Thermal Photons in the NA45/CERES Experiment
- Isbert 94 Nucl. Phys. A578:525, 1994; DAPNIA-SPHN-93-64;
Two-Body Photodisintegration of ^3He Between 200 and 800 MeV
- Ishibashi 94 KEK-PS 1990-1994 p. 283;
Measurement of Neutron-Production Double-Differential Cross Sections for Incident Protons of 0.8, 1.5 and 3 GeV
- Ishida 95 KEK-95-159;
Study of the $\pi^0 \pi^0$ System below 1 GeV Region in the $p p$ Central Collision Reaction at 450 GeV/c
- Itoh 94 Phys. Lett. 345B:335, 1995; KEK-94-162; NWU-HEP-94-07; DPNU-94-59; TIT-HPE-94-013; TUAT-HEP-94-07; OCU-HEP-94-07; PU-94-692; INS-1077; KOBE-HEP-94-06;
Measurement of Inclusive Particle Spectra and Test of MLLA Prediction in $e^+ e^-$ Annihilation at $\sqrt{s} = 58$ GeV
- Itoh 95 Phys. Lett. 368B:299, 1996; KEK-95-179; NWU-HEP-95-03; DPNU-95-22; TUAT-HEP-95-01; PU-95-697; HEPEX-9512010;
Observation of Highly Virtual Photon-Photon Collisions to Hadrons at TRISTAN
- Itow 94 Nuovo Cim. 107A:2415, 1994;
Search for the H Dibaryon by Scintillating Track Detector
- Ivanenko 92 Pisma Zh. Eksp. Teor. Fiz. 56:192, 1992; JETP Lett. 56:188, 1992;
Alignment in the Gamma-Hadron Families of Cosmic Rays and Characteristics of Interactions at $E = 10^{16}$ eV
- Ivanenko 93 Izv. Akad. Nauk SSSR, Fiz. 57-7:76, 1993;
Energy Spectra of Cosmic Rays Different Components with Energy > 2 TeV by the "Sokol" Apparatus
- Ivanov 92 Yad. Phys. 55:3, 1992;
Low Energy and Momentum Transfer Fission of ^{237}Np and ^{238}U by Intermediate Energy Photons
- Ivanov 94 Yad. Phys. 58:1750, 1995; MINR-94-0871;
Study of (γ, pf) Reaction on ^{235}U , ^{238}U , and ^{237}Np Nuclei with Tagged Photons in 60 – 240 MeV Energy Range
- Ivanshin 94 Nuovo Cim. 107A:2855, 1994; JINR-E1-93-155;
Evidence for a New $0^- S$ Resonance in the Diffractively Produced 3π System
- Iwasaki 91 Phys. Rev. Lett. 67:1246, 1991; KEK-91-43;
Discovery of Antiproton Trapping by Long-Lived Metastable States in Liquid Helium
- Iwasaki 91B Phys. Rev. C43:1099, 1991;
Search for Deeply Bound Pionic States in ^{208}Pb Using the $^{208}\text{Pb}(n, p)$ Reaction at $T = 418$ MeV
- Iwasaki 94 Phys. Lett. 341B:99, 1994; KEK-94-109; NWU-HEP-94-05; TUAT-HEP-94-06; DPNU-94-41; TIT-HPE-94-08; OCU-HEP-94-08; PU-94-687; INS-1063; KOBE-HEP-94-07;
Measurement of Inclusive Electron Cross-Section in $\gamma \gamma$ Collisions at TRISTAN
- Iyono 92 Nucl. Phys. A544:455c, 1992;
Rapidity and Transverse Momentum Distributions in 6.4 TeV S+Pb Interactions from CERN EMU05 Experiments
- Jacob 91 Int. Jour. Mod. Phys. A6:2569, 1991; CERN-TH-5848-90;
Heavy Ion Collision Phenomenology
- Jacobsen 91 SLAC-381;
A Measurement of the Branching Ratio of the Z^0 Boson to Bottom Quarks Using Precision Tracking
- Jacobsen 91B Phys. Rev. Lett. 67:3347, 1991; SLAC-PUB-5603; LBL-31095;
Measurements of the $b \bar{b}$ Fraction in Hadronic Z^0 Decays with Precision Vertex Detector
- Jain 91 Phys. Rev. C44:844, 1991;
Production of Fast and Slow Particles in Nucleus-Nucleus Collisions at Ultrarelativistic Energies
- Jain 91B Z. Phys. C52:465, 1991; UB-HEX-91-06;
Intranuclear Cascading at Ultrahigh Energy in Heavy-Ion Interactions
- Jain 91C Phys. Rev. C44:854, 1991;
One- and Two-dimensional Analysis of Intermittency in Ultrarelativistic Nucleus-Nucleus Interactions
- Jain 92 Phys. Rev. Lett. 68:1656, 1992;
Intermittency in Nuclear Multifragmentation at Relativistic Energy
- Jain 92B Mod. Phys. Lett. A7:93, 1992;
Investigation of Intermittency in ^{28}Si -Nucleus Collisions at 14.5 A GeV
- Jain 92C Z. Phys. C53:355, 1992;
Intermittency in Relativistic Heavy-Ion Collisions
- Jain 92E Int. Jour. Mod. Phys. A7:1907, 1992;
Multiplicity and Pseudorapidity Distributions in He-Nucleus Interactions at Ultrarelativistic Energy
- Jain 92F Phys. Lett. 294B:27, 1992; UB-HEX-92-07;
An Analysis of Multiplicity Dependence on Pseudorapidity Intervals at High Energy Collisions
- Jain 92G Phys. Rev. C46:721, 1992;
Multifractals at Relativistic Energies
- Jain 93 Phys. Rev. C47:2382, 1993;
Multifragment Disintegration of ^{238}U at 1 A GeV
- Jain 93B Z. Phys. C58:1, 1993; UB-HEX-93-01;
Factorial Moments and Short Range Correlation at Relativistic Energies
- Jain 93C Phys. Rev. C47:342, 1993;
Intermittent Behavior of Nuclear Multifragments
- Jain 93D Nucl. Phys. A561:651, 1993; UB-HEX-93-06;
Fractal Analysis of Projectile Fragments in Nuclear Collisions at 1–2 A GeV
- Jain 94 Phys. Rev. C50:1085, 1994;
Intermediate Mass Fragment Emission by ^{197}Au Projectiles at Relativistic Energy in Nuclear Emulsion

- Jain 94B Phys. Rev. C49:3320, 1994;
Collective Flow by the Azimuthal Correlation of Projectile Fragments in Relativistic Heavy-Ion Collisions
- Jain 95 Phys. Rev. Lett. 74:1534, 1995;
Nuclear Collective Flow in ^{197}Au Emulsion Interactions at 10.6 A GeV
- Jakobs 94 Int. Jour. Mod. Phys. A9:2903, 1994; MPI-PHE-94-04;
The Physics Results of the UA2 Experiment at the CERN $p\bar{p}$ Collider
- Janot 94 Nucl. Phys. B, Proc. Suppl. B38:264, 1995; LAL-94-59;
Searches for New Particles at LEP
- Jansen 93 FERMILAB-CONF-93-129-E;
Beauty and Charm Production from Fermilab Experiment 789
- Jansen 94 Phys. Rev. Lett. 74:3118, 1995; FERMILAB-PUB-94-403; LAUR-94-3812;
Measurement of the Bottom-Quark Production Cross Section in 800 GeV/c Proton-Gold Collisions
- Janssen 92 CERN-PPE-92-162;
New Particle Searches at LEP
- Jaros 95 SLAC-PUB-95-6810;
A Search for Millicharged Particles at SLAC
- Jastrzebski 93 Phys. Rev. C47:216, 1993;
Interaction of Stopped Antiprotons with Copper
- Jeckelmann 94 Phys. Lett. 335B:326, 1994; ETHZ-IPP-PR-94-9;
The Mass of the Negative Pion
- Jensen 94 FERMILAB-CONF-94-339-E;
Evidences for Top Quark Production in 1.8 TeV $p\bar{p}$ Collisions
- Jeon 95 Phys. Rev. Lett. 75:1443, 1995; Phys. Rev. Lett. 76:159, 1996;
Search for Magnetic Monopoles Trapped in Matter
- Jesik 94 Phys. Rev. Lett. 74:495, 1995; FERMILAB-PUB-94-095-E;
Bottom Production in π^- Be Collisions at 515 GeV/c
- Jezabek 92 Phys. Lett. 286B:175, 1992;
Experimental Study of Spin Effects in Hadroproduction and Decay of Λ_c^+
- Jiang 92 Phys. Rev. Lett. 68:2739, 1992;
High-Order Collective-Flow Correlations in Heavy-Ion Collisions
- Jilany 94 Nucl. Phys. A579:627, 1994;
Inelastic Interactions of 4.5 GeV/c per Nucleon ^{28}Si with Emulsion Nuclei
- Jin 91 PHYSICS IN COLLISIONS-11 p. 231;
BES Results on $J/\psi(1S)$ Decay into $\gamma K^+ K^-$ and $\omega \pi^+ \pi^-$
- Jipa 95 Nuovo Cim. 108A:1271, 1995;
On the Participants from Projectile and Target Nuclei in Relativistic Nuclear Collisions
- Joensson 94 Nucl. Phys. A566:5c, 1994;
First Measurement of Proton Structure Function F_2 at HERA
- Johns 94 FERMILAB-CONF-94-365-E;
Recent Results from Fermilab E687: Charm Particle Decays, Lifetimes and Photoproduction Dynamics: A Compilation of the Results Presented at DPF 1994
- Johnson 93 Ann. Rev. Nucl. Part. Sci. 43:165, 1993;
Pion Double Charge Exchange in Nuclei
- Johnson 93B Phys. Rev. C47:2571, 1993;
Search for an η State in Pion Double Charge Exchange on ^{18}O
- Jones 91 Z. Phys. C51:205, 1991; MPI-PREPRINT; CERN-PRE-91-018;
Inclusive $f_2(1270)$ Meson Production in νp and $\bar{\nu} p$ Charged Current Interactions
- Jones 91B Z. Phys. C51:11, 1991; CERN-PRE-91-010; MPI-PAE-EXP-EL-235;
Inclusive ρ^0 Meson Production in νp and $\bar{\nu} p$ Charged Current Interactions
- Jones 91C Z. Phys. C54:45, 1992; MPI-PHE-91-03; CERN-PRE-91-95;
Multiplicity Distributions of Charged Hadrons in νp and $\bar{\nu} p$ Charged Current Interactions
- Jones 92 Phys. Lett. 278B:419, 1992;
Energy Dependence of the Total ^{12}C (π^+ , $2p$) Cross Section
- Jones 93 Phys. Rev. C48:2800, 1993;
Pion Absorption above the $\Delta(1232 P_{33})$ Resonance
- Jones 93B Z. Phys. C57:197, 1993;
Neutral Strange Particle Production in Neutrino and Antineutrino Charged Current Interactions on Protons
- Jones 93C Z. Phys. C58:375, 1993;
Diffractive Production of ρ Mesons and of $\rho \pi$ Systems by Neutrinos and Antineutrinos on Protons
- Jones 93D Phys. Rev. C47:110, 1993;
 $^3\text{He}(e^-, e^-')$ Quasielastic Asymmetry
- Jones 94 CALT-68-1920;
A Measurement of the Mass of the Tau Lepton
- Jones 94B Nuovo Cim. 107A:2007, 1994;
Exclusive Beauty States and Their Lifetimes from the OPAL Experiment
- Jones 94C Z. Phys. C62:575, 1994;
Determination of the Parton Distributions and Structure Functions of the Proton from Neutrino and Antineutrino Reactions on Hydrogen and Deuterium
- Jones 94D Z. Phys. C62:601, 1994;
Determination of the Ratio $r_v = d_v/u_v$ of the Valence Quark Distributions in the Proton from Neutrino and Antineutrino Reactions on Hydrogen and Deuterium
- Jones 95 Phys. Rev. C52:1520, 1995;
Measurement of the Spin-Dependent Asymmetry in $^3\text{He}(e^-, e^-')$ Inelastic Scattering at Low Energy Transfer
- Jonkmans 94 TRI-PP-94-75;
Radiative Muon Capture on the Proton
- Joram 95 Phys. Rev. C51:2144, 1995;
Low-Energy Differential Cross-Sections of Pion Proton ($\pi^\pm p$) Scattering. I. The Isospin Even Forward Scattering Amplitude at $T_\pi = 32.2$ MeV and 44.6 MeV

- Joram 95B Phys. Rev. C51:2159, 1995;
Low-Energy Differential Cross-Sections of Pion Proton ($\pi^\pm p$) scattering. II. Phase Shifts at $T_\pi = 32.7$ MeV, 45.1 MeV, and 68.6 MeV
- Joyce 91 UCR-UA1-91-02;
An Investigation of Double Pomeron Exchange in $\bar{p} p$ Interaction at a c.m. Energy of 630 GeV
- Joyce 93 Phys. Rev. D48:1943, 1993; UCR-UA1-93-01;
Double Pomeron Exchange Studies in $p \bar{p}$ Interactions at 0.63 TeV
- Julien 91 Phys. Lett. 264B:269, 1991;
Subthreshold K^+ Production in Heavy Ion Collisions
- Julien 94 Z. Phys. A347:181, 1994;
Search for an Enhanced Production of Low Energy Pions in C (p, π^+) X, Cu (p, π^+) X, and Cu (p, π^0) X Reactions for $300 \text{ MeV} \leq T_p \leq 400 \text{ MeV}$
- Jung 92 Phys. Rev. Lett. 69:2164, 1992; GSI-92-45;
First Observation of Bound-State β^- Decay
- Jung 94 FERMILAB-CONF-94-334-E;
 W^\pm Mass Measurement from D0 and CDF Experiments at Tevatron
- Jungst 94 BONN-IR-95-19;
Measurement of the Reactions $\gamma p \rightarrow K^+ \Lambda$ and $\gamma p \rightarrow K^+ \Sigma^0$ up to 2 GeV with SAPHIR at ELSA
- Justice 94 Phys. Rev. C49:5, 1994;
Electromagnetic Dissociation of ^{238}U at 120 MeV/Nucleon
- Justice 95 Nucl. Phys. A590:549c, 1995;
Observation of Collective Effects in Λ at 2 GeV/Nucleon
- Kagarlis 94 Phys. Rev. C43:1219, 1994;
Double Charge Exchange in $^{93}\text{Nb} (\pi^+, \pi^-)^{93}\text{Tc}$ at $T_\pi = 164, 230$ and 294 MeV
- Kajita 92 ICRR-283-92-21;
Recent Results from Kamiokande on Solar and Atmospheric Neutrinos
- Kalbfleisch 93 Phys. Lett. 303B:355, 1993;
Experimental Limits on Heavy Neutrinos in Tritium Beta Decay
- Kalinowsky 92 Yad. Phys. 55:1541, 1992;
Ultra Cold Antiprotons at LEAR
- Kalmykov 95 Yad. Phys. 58:1657, 1995;
Longitudinal Development of EAS Using the Results of Cerenkov Light Study
- Kaloshin 94 Yad. Phys. 57:2298, 1994; ISU-IAP-TH-94-01;
First Estimates of the $(\alpha + \beta)^\pi$ from Two Photon Experiments
- Kamon 94 FERMILAB-CONF-94-270-E;
Search for SUSY at CDF
- Kampert 92 Progr. Part. Nucl. Phys. 30:171, 1993; IKP-MS-92-1101;
Target Fragmentation in Proton and Heavy-Ion Induced Reactions at High Energies
- Kampert 93 CERN-PRE-93-015; IKP-MS-93-0302;
Single Photon and Neutral Meson Production in Nuclear Collisions at 200 A GeV
- Kampert 94 IKP-MS-94-0101;
Electromagnetic Probes of Hot and Dense Nuclear Matter
- Kanda 95 Phys. Rev. D52:4872, 1995;
Study of Two Particle Azimuthal Correlations in $e^+ e^-$ Annihilation at $\sqrt{s} = 58 \text{ GeV}$
- Kanzaki 91 KEK-91-120;
Selected Topics from Recent Physics Analyses at TRISTAN
- Kaplan 89 Phys. Rev. D41:2334, 1990; Phys. Rev. D43:955, 1991; FERMILAB-PUB-89-263-E;
Test of Scaling of the Massive-Dihadron Cross Section
- Kaplan 93 FERMILAB-CONF-93-162-E;
E789 and P865: High-Rate Fixed-Target Studies of Charm and Beauty
- Karabarbouni 91 Nucl. Phys. A525:327c, 1991;
Bose Einstein Correlations in Ultrarelativistic Heavy Ion Collisions
- Karabarbouni 92 Nucl. Phys. A544:531c, 1992;
Pion Interferometry in Ultrarelativistic Nuclear Collisions
- Karabarbouni 92B Nucl. Phys. A544:609c, 1992;
Production of Charged Kaons in Central S+S and O+Au Collisions at 200 GeV/Nucleon
- Karabarbouni 92C Nucl. Phys. A544:293c, 1992;
Recent Results from Experiment NA35
- Karch 91 DESY-91-022;
Recent CRYSTAL BALL Results on Resonances Formation in Photon-Photon Collisions
- Karch 91B Z. Phys. C54:33, 1992; DESY-91-126;
Analysis of the $\eta \pi^0 \pi^0$ Final State in Photon-Photon Collisions
- Karch 91C DESY-91-094;
Resonance Formation in $\gamma \gamma$ Collisions
- Karchin 95 FERMILAB-CONF-95-053-E;
Current Issues in Open Charm Hadroproduction and New Preliminary Results from Fermilab E769
- Karen 94 FERMILAB-CONF-94-216-E;
Measurement of the Polarization in the Decay $B^0 \rightarrow J/\psi(1S) K^*(892)^0$ in $p \bar{p}$ Collisions at $\sqrt{s} = 1.8 \text{ TeV}$
- Karle 95 Phys. Lett. 347B:161, 1995;
Search for Isotropic γ Radiation in the Cosmological Window between 65 and 200 TeV
- Karnaukhov 92 Phys. Lett. 281B:148, 1992;
About Possible $3.52 \text{ GeV}/c^2$ Very Narrow Resonance
- Karnaukhov 93 Yad. Phys. 57:841, 1994; JINR-93-121;
About Existence of a Baryon with the $3.52 \text{ GeV}/c^2$ Mass
- Karnaukhov 93B JINR-P1-93-375;
Kinematical Peculiarities of the Baryonic Structure with $3.52 \text{ GeV}/c^2$ Mass and Method of Their Observation
- Karnaukhov 95 JINR-P1-95-187;
Evidence of Existence of the Strange Meson with Mass of $1627 \text{ MeV}/c^2$
- Karnaukhov 95B JINR-P1-95-293;
Peculiarities of Mesonic Structure $K(1627) \rightarrow K_S \pi^+ \pi^-$, Methods of their Observation

- Karnaukhov 95C Yad. Phys. 58:860, 1995;
Peculiarity of the Baryonic Structure with 3.52 GeV/c² Mass
- Kaufman 92 Nucl. Phys. A544:237c, 1992;
Recent Results from E802 and E859
- Kaufman 92B Nucl. Phys. A544:445c, 1992;
Target Rapidity Proton Distributions for Si+A Collisions at the AGS
- Kaufman 94 Nucl. Phys. A566:269c, 1994;
Recent Results from E859 Using Si Beams at 14.6 A GeV/c
- Kaufman 94B Nucl. Phys. A566:443c, 1994;
Backward Emission of Protons in Au+Au Collisions at 11.7 A GeV/c
- Kaufman 94C Nucl. Phys. A566:457c, 1994;
Kaon Production in Si+Al and Si+Au Collisions at 14.6 A GeV/c
- Kaufman 95 Nucl. Phys. A590:179c, 1995;
Recent Results from Experiment 859 at the BNL AGS
- Kawakami 91 Phys. Lett. 256B:105, 1991;
New Upper Bound on the Electron Anti-Neutrino Mass
- Kawakami 92 Phys. Lett. 287B:45, 1992; KEK-92-14; INS-REP-921;
High Sensitivity Search for a 17 keV Neutrino: Negative Indication with an Upper Limit of 0.1%
- Kawasaki 95 Phys. Lett. 348B:623, 1995;
The Elastic \bar{p} p Differential Cross Section Measurements at the CERN $S\bar{p}\bar{p}S$ and the Real Part of the Scattering Amplitude
- Keeble 92 FERMILAB-CONF-92-161-E;
A Study of Four-Jet Events and Search for Double Parton Scattering at $\sqrt{s} = 1.8$ TeV
- Keeble 92B FERMILAB-CONF-92-339-E;
A Study of Four-Jet Events and Search for Double Parton Interactions at $\sqrt{s} = 1.8$ TeV
- Kephart 93 FERMILAB-CONF-93-347-E;
Search for Excited Quarks in $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Keranen 91 HU-SEFT-1991-09;
Energy Measurement in Collider Experiments and the Search for Scalar Quarks in Z^0 Decays at LEP I
- Kernan 95 Nucl. Phys. B437:243, 1995;
Update Limits on the Electron Neutrino Mass and Large Angle Oscillations from SN1987A
- Kernel 91 Z. Phys. C51:377, 1991; CERN-PPE-91-83;
Experimental Study of $\pi^- \pi^+$ System at Low Invariant Masses
- Kessler 93 Phys. Rev. Lett. 70:892, 1993;
Measurement of the Branching Ratio for the Decay $\eta \rightarrow \mu^+ \mu^-$
- Kester 95 Phys. Lett. 344B:79, 1995;
Two-Nucleon Knock-out Investigated with the Semi-Inclusive $^{12}\text{C}(e^-, e^-' p)$ Reaction
- Kester 95B Phys. Rev. Lett. 74:1712, 1995;
Short-Range Nucleon-Nucleon Correlations Investigated with the Reaction $^{12}\text{C}(e^-, e^-' pp)$
- Ketov 92 Pisma Zh. Eksp. Teor. Fiz. 55:544, 1992;
New Type of Experiment on the Search of the Neutrino Oscillations at the Nuclear Reactor
- Keup 94 FERMILAB-CONF-94-282-E;
A Measurement of the Mass of the W^\pm Vector Boson at CDF
- Khan 95 Nuovo Cim. 108A:147, 1995;
Study of Disintegrations Caused by 4.5 GeV/c Nucleon Carbon Nuclei in Nuclear Emulsion
- Khandaker 91 Phys. Rev. C44:24, 1991;
Inclusive Inelastic Scattering of 96.5-MeV π^+ and π^- by the Hydrogen and Helium Isotopes
- Kiesling 91 DESY-91-067;
 τ^\pm Decays: An Experimental Review
- Kiesling 94 DESY-94-137; MPI-PHE-94-20;
Physics from the First Year of H1 at HERA
- Kihara 92 ICRR-274-92-12;
An Experimental Study on the ^8Bor Solar Neutrino Flux in the KAMIOKANDE-II Detector
- Kim 90C Int. Jour. Mod. Phys. A6:2583, 1991; KEK-90-55;
Searches for Charged Heavy Leptons with Arbitrary Neutrino Masses in $e^+ e^-$ Annihilations at $\sqrt{s} = 50 - 80.8$ GeV
- Kim 91 Phys. Rev. D43:687, 1991;
Measurement of the Left-Right Asymmetry in $\pi^- p \rightarrow \gamma n$ from 301 to 625 MeV/c at Backward Angles
- Kim 93 KEK-92-209; AMY-92-04;
A Study of the Hadron Production in $\gamma \gamma$ Collisions with the AMY Detector
- Kim 93B KEK-93-97;
Measurements of Inclusive Jet Production in Almost Real $\gamma \gamma$ Collisions at TRISTAN
- Kim 93C Phys. Lett. 325B:248, 1993; KEK-93-174; AMY-93-4;
Measurement of the Inclusive Jet Cross Section in Photon-Photon Interactions at TRISTAN
- Kim 94 FERMILAB-CONF-94-153-E; CDF-PUB-ELECTROWEAK-PUBLIC-2632;
The Measurement of the W^\pm Boson Mass from CDF
- Kim 95 FERMILAB-CONF-95-240-E;
Measurement of the W^\pm Boson Mass from CDF
- Kim 95B FERMILAB-CONF-95-111-E;
Observation of Top Quark Production Using Kinematic Techniques
- Kimure 94 Phys. Lett. 336B:303, 1994;
Search for Parity Nonconservation in the Compound Nucleus Reaction via an Isobaric Analog Resonance Using a Thick Target
- Kinashi 91 KEK-91-203;
Partial Wave Analysis, $\pi^- p \rightarrow \omega \pi^0 n$
- King 93 NEVIS-R-1489;
A Precision Measurement of $\sin^2 \theta_W$ in Neutrino Nucleon Scattering
- King 94 SLAC-PUB-6653;
A Measurement of the Left-Right, Forward-Backward Asymmetry for Charm Quarks Using $D^*(2010)^+$ and $D^*(2010)^-$ Mesons

- Kinoshita 90 Phys. Rev. D43:2836, 1991; CLNS-90-1030; CLEO-90-11;
Study of D^0 Decays into Final States with a π^0 or η
- Kinoshita 92 Phys. Rev. D46:R881, 1992;
Search for Highly Ionizing Particles in $e^+ e^-$ Annihilations at $\sqrt{s} = 91.1$ GeV
- Kinson 91 Nucl. Phys. A544:321c, 1992; CERN-PRE-91-94;
Strange Particle Production in Sulphur Tungsten Interactions at 200 GeV/c per Nucleon
- Kirichenko 95 Yad. Phys. 58:12, 1995;
Energy and Angular Correlations in the γ $^{16}\text{O} \rightarrow 4\text{He}$ Reaction
- Kirk 94 Nuovo Cim. 107A:1857, 1994; CERN-PPE-93-133;
First Results from Experiment WA91 at the CERN OMEGA Spectrometer
- Kirpichnikov 91 ITEP-91-91;
Recent Limit for Neutrinoless Double β -Decay of ^{76}Ge
- Kirsch 93 DESY-93-157;
Neutral Current Physics with the τ^\pm Lepton at LEP
- Kiselevich 92 Yad. Phys. 56-1:120, 1993; ITEP-92-63;
Nuclear Transparency Effect in the Interaction of 6.2 GeV/c Negative Pions and Neon Nuclei
- Kiselevich 92B Yad. Phys. 55:2100, 1992;
Multiplicity of Secondary Particles in Inelastic Collisions of Negative Pions with Ne Nuclei at 6.2 GeV/c
- Kiselevich 93 ITEP-93-9;
Influence of Cumulativity over the Properties of Inclusive Distribution of the Secondary Particles from Pion-Nucleus Interactions at the Initial Momentum 6.2 GeV/c
- Kiselevich 93B ITEP-93-71;
Characteristics of Hadrons Generated in the Inelastic Interactions of Pions with Neon Nucleus at the Initial Momentum of 6.2 GeV/c
- Kiselevich 93C ITEP-93-90;
The Influence of Nucleus at the hadron Production in π^- Ne Interactions at the Beam Momentum 6.2 GeV/c
- Kiselevich 94 Yad. Phys. 57:2225, 1994;
The Investigation of Inelastic Interactions of Pions with Ne Nuclei at 6.2 GeV/c in Terms of Four-Velocity
- Kiselevich 95 Yad. Phys. 58:470, 1995; ITEP-93-96;
Multiplicity of Secondary Particles in the π^- Ne Interactions at 6.2 GeV/c with Strange Particles in the Final State
- Kishida 92 Phys. Rev. C45:2926, 1992;
Measurement of deuteron-C and deuteron-Al Total Cross Sections in the Incident Momentum Range 2.0 - 4.0 GeV/c
- Kishimoto 94 Nucl. Phys. A577:263c, 1994;
Spin Polarization and Weak Decay of Polarized Λ Hypernuclei
- Kishimoto 95 Phys. Rev. C51:2233, 1995;
 Λ -Nucleon Interaction in Nuclei Probed by the Quasifree $^{12}\text{C}(\pi, K)$ Reaction
- Kistryn 92 Nucl. Phys. A548:49, 1992;
Analyzing Power of the deuteron($n, n p$) n Breakup Reaction at 67 MeV in Selected Kinematical Configurations
- Kittel 93 HEN-364;
Density Fluctuations in NA22
- Klapdorklein 91 Izv. Akad. Nauk SSSR, Fiz. 55:893, 1991;
Double-Beta Decay, Neutrino Mass and Nuclear Structure
- Kleinknecht 91 MZ-ETAP-91-02;
New Results on CP Violation in Decays of Neutral K Mesons
- Klima 93 FERMILAB-CONF-93-051-E;
Top Quark Search in D^0 from the Lepton + Jets Mode
- Klima 95 FERMILAB-CONF-95-102-E;
Observation of the Top Quark
- Klima 95B FERMILAB-CONF-95-303-E;
Top Physics at D0
- Klomp 91 THEF-NYM-91-10;
Analysis of the A_{zz} Measurement in $n p$ Scattering at $T_{\text{lab}} = 67.5$ MeV
- Kniehl 94 DESY-94-136-I;
Inclusive Photoproduction of Hadrons at HERA
- Knutson 91 Phys. Rev. Lett. 66:1410, 1991;
Charge-Symmetry Violation in Neutron-Proton Elastic Scattering at $E_n = 183$ MeV
- Knutson 93 Phys. Rev. Lett. 71:3762, 1993;
Determination of the Phase Shifts for p deuteron Elastic Scattering at $E_p = 3$ MeV
- Kobayashi 91 Nucl. Phys. A569:791, 1994; KEK-91-135;
Energy Dependent Measurements of the $p p$ Analyzing Power and Narrow Dibaryon Resonances
- Kobayashi 94 Nucl. Phys. A586:457, 1995; KEK-94-4;
Neutrinoless Double Beta Decay of ^{160}Gd
- Kobel 91 Z. Phys. C53:193, 1992; DESY-91-089; SLAC-PUB-5402;
Measurement of the Decay of the $\Upsilon(1S)$ and $\Upsilon(2S)$ Resonances to Muon Pairs
- Kodama 91 Phys. Lett. 263B:573, 1991; CMU-HEP-91-17;
Charm Meson Production in 800 GeV/c Proton Emulsion Interactions
- Kodama 91B Phys. Lett. 263B:579, 1991; CMU-HEP-91-18;
Charm Pair Correlations in 800 GeV/c Proton Emulsion Interactions
- Kodama 91C Phys. Rev. Lett. 66:1819, 1991;
Measurement of Relative Branching Fraction $\Gamma(D^0 \rightarrow K \mu^- \nu)/\Gamma(D^0 \rightarrow \mu^- X)$
- Kodama 92 Phys. Lett. 274B:246, 1992;
Measurement of the Form Factor Ratios in the Decay $D^+ \rightarrow \bar{K}^*(892)^0 \mu^+ \nu$
- Kodama 92B Phys. Lett. 286B:187, 1992; CMU-HEP-92-10;
Measurement of the Branching Ratio for $D^+ \rightarrow \bar{K}^*(892)^0 \mu^+ \nu$
- Kodama 92C Phys. Lett. 284B:461, 1992; UCDPHY-92-9;
Charm Meson Production in 600 GeV/c π^- Emulsion Interactions
- Kodama 92D DPNU-92-37; OHSTPY-HEP-E-92-019;
Measurement of the Lifetimes of Charged and Neutral Beauty Hadrons

- Kodama 93 Phys. Lett. 303B:359, 1993;
Measurement of Beauty Hadron Pair Production in 600 GeV/c π^- Emulsion Interactions
- Kodama 93B Phys. Lett. 313B:260, 1993; CMU-HEP-93-14; DOE-ER-40682-39;
Limits for Four- and Five-Prong Semimuonic Charm Meson Decays
- Kodama 93C Phys. Lett. 316B:455, 1993; OKHEP-93-09;
Observation of $D^+ \rightarrow \rho^0 \mu^+ \nu$
- Kodama 93D Phys. Lett. 316B:188, 1993; CMU-HEP-93-15; DOE-ER-40682-40;
Search for Diffractive Charm Production in 800 GeV/c Proton-Silicon Interactions
- Kodama 93E Phys. Lett. 309B:483, 1993;
A Study of the Semimuonic Decays of the D_s^+
- Kodama 94 Phys. Lett. 336B:605, 1994;
Measurement of $\Gamma(D^0 \rightarrow K^- \mu^+ \nu)/\Gamma(D^0 \rightarrow \mu^+ X)$ Using a $D^*(2010)$ Tag
- Kodama 95 Phys. Lett. 345B:85, 1995;
Upper Limits for Charm Hadron Decays to Two Muons Plus Hadrons
- Koetke 91 SLAC-PUB-5650;
Measuring the Branching Fraction for $Z^0 \rightarrow B \bar{B}$ Using Vertex Detectors
- Koetke 92 Phys. Rev. C46:2554, 1992; LA-UR-92-1562;
Muon-Neutrino Carbon Charged-Current Interaction Near the Muon Threshold
- Kohler 91 Phys. Rev. C44:15, 1991;
Absolute Differential Cross Sections and Charge Asymmetries for π^\pm deuteron Elastic Scattering at 65 MeV
- Kohler 93 Phys. Rev. C48:1884, 1993;
Absolute Differential Cross Sections and Charge Asymmetries for π^\pm deuteron Elastic Scattering at 30, 50 and 65 MeV
- Kohler 94 Phys. Rev. C49:1715, 1994; TRI-PP-93-81;
Measurements of iT_{11} in π deuteron Elastic Scattering at 49 MeV
- Kolb 91 Phys. Rev. Lett. 67:533, 1991; FERMILAB-PUB-91-28-A;
Constraints from Primordial Nucleosynthesis to the Mass of the τ^\pm Neutrino
- Kolb 94 Phys. Rev. C49:2586, 1994;
 $^3\text{He}(\gamma, p)$ deuteron) Cross Section with Tagged Photons below the Delta Resonance
- Kondashov 94 Nuovo Cim. 107A:1903, 1994;
Partial-Wave Analysis of $\pi^- p \rightarrow \pi^0 \pi^0 n$ Reaction at 38 GeV/c Momentum in the Mass Range up to 1.0 GeV
- Kondashov 95 IFVE-95-137;
Further Study of the $\pi^0 \pi^0$ System Produced in 38 GeV/c $\pi^- p$ Charge Exchange Collisions
- Konigsberg 94 FERMILAB-CONF-94-314-E;
Evidence for top $\bar{\text{top}}$ Production at the Tevatron: Statistical Significance and Cross Section
- Konishi 93 Phys. Rev. D47:5228, 1993;
Spherical Statistical Tests on the Angular Distributions of Electrons of the IMB Events Associated with SN1987A
- Kopecky 95 Phys. Rev. Lett. 74:2427, 1995;
New Measurement of the Charge Radius of the Neutron
- Kopenkin 94 Izv. Akad. Nauk SSSR, Fiz. 58-12:13, 1994;
Hadron Component Importance while Observation of Alignment of Distinguished in Energy Flux in Superhigh Energy Gamma-Hadron Families
- Kopp 94 FERMILAB-CONF-94-155-E; CDF-PUB-EXOTIC-PUBLIC-2634;
Search for $W'^{\pm} \rightarrow e^{\pm} \nu$ in $p \bar{p}$ Collisions at $\sqrt{s} = 1800$ GeV
- Kopp 95 Int. Jour. Mod. Phys. A10:4413, 1996; FERMILAB-PUB-95-264-E;
Properties of the W^\pm Boson from the Fermilab Tevatron
- Koptev 95 Pisma Zh. Eksp. Teor. Fiz. 61:865, 1995;
Measurement of π^\pm and K^\pm Life-Time
- Korkmaz 91 Nucl. Phys. A535:637, 1991; TRI-PP-91-11;
Measurement of nucleon nucleon \rightarrow deuteron π Very Near Threshold. II. The $p p \rightarrow$ deuteron π^+ Analyzing Power
- Kormanyos 93 Phys. Rev. Lett. 71:2571, 1993; COLO-NPL-1098; FSU-SCRI-93-093;
 K^+ -Nucleus Quasielastic Scattering
- Kormanyos 95 Phys. Rev. C51:669, 1995;
Quasielastic K^+ Scattering
- Kornmayer 95 Jour. of Phys. G 21:439, 1995;
High-Energy Cosmic Ray Neutrons at Sea Level
- Korolko 95 Nucl. Phys. B, Proc. Suppl B40:275, 1995;
Determination of the Michel Parameter η from the Muon Spectrum
- Korotkov 93 Z. Phys. C60:37, 1993; MPI-PHE-93-11;
Bose-Einstein Correlations in Neutrino and Antineutrino Interactions with Nuucleons
- Korshennik 93 Phys. Lett. 316B:38, 1993;
Experimental Study of $^3\text{He} p$ Elastic and Inelastic Scattering
- Koshiya 92 Phys. Rept. 220:229, 1992;
Observational Neutrino Astrophysics
- Kotcher 93 FERMILAB-CONF-93-387-E;
Inclusive Jet and Direct Photon Production at the D0 Experiment
- Kotte 95 Phys. Rev. C51:2686, 1995;
Interplay of Collective Flow Phenomena and Velocity Correlations of Intermediate-Mass Fragments in Collisions of Au Au at $E = (100 - 400)$ A MeV
- Kotwal 94 FERMILAB-CONF-94-251-E;
Structure Functions and Structure Function Ratio $F_2^{(n)}/F_2^{(p)}$ at Low x_B ; and Q^2 in Inelastic Muon Scattering
- Kotwal 94B FERMILAB-CONF-94-345-E;
Recent Results from E865
- Kotwal 95 FERMILAB-CONF-95-046-E;
Proton and Deuteron Structure Functions in Muon Scattering at 470 GeV
- Kovacs 94 FERMILAB-CONF-94-215-E; CDF-PUB-JET-PUBLIC-2726;
Testing QCD with Jet Physics at CDF

- Kovacs 94B FERMILAB-CONF-94-144-E;
Measurement of the $SS - OS$ Dijet Cross-Section Ratio
- Kowitt 92 LBL-33331;
Hadronic Production of $J/\psi(1S)$ at Large x_F in 800 GeV $p+Cu$ and $p+Be$ Collisions
- Kowitt 94 Phys. Rev. Lett. 72:1318, 1994; LBL-34790; FERMILAB-PUB-93-344;
Production of $J/\psi(1S)$ at Large x_F in 800 GeV p -Copper and p -Beryllium Collisions
- Kox 91 Phys. Lett. 266B:264, 1991;
The deuteron $p \rightarrow 2p n$ Reaction as a Basis for a Deuteron Tensor Polarimeter at Intermediate Energies
- Kox 93 Nucl. Phys. A556:621, 1993;
Cross Section and Deuteron Analysing Powers of the $p(\text{deuteron}, 2p)n$ Reaction at 200 and 350 MeV
- Kozma 91 Yad. Phys. 53:722, 1991;
Spallation of Nickel and Copper Isotopes Induced by 3.65 GeV Protons
- Kozma 91B Yad. Phys. 54:558, 1991;
Isomer Yield Ratios of ^{90}Rh and ^{110}In Residual Nuclei Produced in Reactions Induced by Relativistic Protons and ^{12}C Ions on Sn Isotopes
- Kozma 93 Phys. Lett. 305B:399, 1993;
Unusual Behavior of Heavy Collision Residues in the Interaction of 3.65 A GeV Deuterons with Uranium
- Krakauer 91 Phys. Rev. D45:975, 1992; ANL-HEP-PR-91-80;
Limits on Flavor-Changing Neutral Currents from a Measurement of Neutrino-Electron Elastic Scattering
- Krakauer 91B Phys. Lett. 263B:534, 1991;
Search for the Exotic Decay $\mu^+ \rightarrow e^+ \bar{\nu}_e \nu_\mu$
- Krakauer 91C Phys. Rev. D44:R6, 1991;
Direct Experimental Lower Bound on the Radiative Lifetime of the Muon Neutrino
- Kramer 94 DESY-94-136-II;
Direct Photon Production at LEP and HERA
- Krasny 93 LPNHE-93-08;
Deep Inelastic Electron-Proton Scattering at HERA. Results from the H1 Experiment
- Krasny 93B Nuovo Cim. 107A:2109, 1994; LPNHE-93-09;
Results from the H1 Experiment at HERA
- Kratenko 93 Yad. Phys. 56-2:152, 1993;
Search for Dibaryon Resonance in α Au Interaction at 2 GeV/c
- Krause 92 Nucl. Phys. A548:387, 1992;
Photodisintegration of the Deuteron by Linearly Polarized Photons
- Kretschmer 94 Phys. Lett. 328B:5, 1994;
Measurement of Polarization Transfer in p - p Scattering for a Test of Nucleon-Nucleon Potentials
- Kretschmer 94B Nucl. Phys. A577:421c, 1994;
Neutrino-Nucleus Reactions with KARMEN
- Kreutz 93 Nucl. Phys. A556:672, 1993;
Charge Correlations as a Probe of Nuclear Disassembly
- Kreutz 95 Z. Phys. C65:67, 1995;
Determination of the Branching Ratios $\Gamma(K_L \rightarrow 3\pi^0)/\Gamma(K_L \rightarrow \pi^+ \pi^- \pi^0)$ and $\Gamma(K_L \rightarrow 3\pi^0)/\Gamma(K_L \rightarrow \pi e^- \nu_e)$
- Kreutzmann 91 BONN-IR-91-08;
Investigation of Coherent Emission of Gluons in QCD Jets from Electron-Proton Annihilation
- Krisch 91 UM-HE-91-22;
Spin Effects in High- p_T^2 Elastic Scattering
- Kriznic 94 Nuovo Cim. 107A:2359, 1994;
Recent Two-Photon Results from ARGUS
- Kroha 92 Phys. Rev. D46:58, 1992;
Compositeness Limits from $e^+ e^-$ Annihilation Reexamined
- Kroha 92B UR-1286;
Results on $B \bar{B}$ Mixing and Rare B Decays from CLEO
- Kroha 93 Mod. Phys. Lett. A8:869, 1993; MPI-PHE-93-03;
Recent Results from CLEO
- Krolak 94 Phys. Lett. 320B:407, 1994;
A Limit on the Lepton Family Number Violating Process $\pi^0 \rightarrow \mu^\pm e^\mp$
- Krpic 92 Phys. Rev. C46:2501, 1992;
Production of $\Delta(1232 P_{33})^{++}$ in Carbon-Carbon Collisions at 4.2 GeV/c per Nucleon
- Krusche 95 Phys. Rev. Lett. 74:3736, 1995;
Near Threshold Photoproduction of η Mesons off the Proton
- Krusche 95B Phys. Lett. 358B:40, 1995; Phys. Lett. 376B:331, 1996;
Near Threshold Photoproduction of η Mesons from the Deuteron
- Krusche 95C Z. Phys. A351:237, 1995;
Mass and $\Gamma_{3\pi^0}/\Gamma_{\gamma\gamma}$ Decay Branching Ratio of the η Meson from the $p(\gamma, \eta)p$ Reaction
- Kubota 91 Phys. Rev. D44:593, 1991; CLNS-91-1042;
Study of Continuum $D^*(2010)^+$ Spin Alignment
- Kubota 93 Phys. Rev. Lett. 71:3255, 1993; CLNS-93-1231; CLEO-93-10;
Measurement of Exclusive Λ_c Decays with a Σ^+ in the Final State
- Kubota 94 Phys. Rev. Lett. 72:1972, 1994; CLNS-94-1266; CLEO-94-1;
Observation of a New Charmed Strange Meson
- Kubota 95 Phys. Rev. D54:2994, 1996; CLNS-95-1363; CLEO-95-18;
Measurements of the Inclusive Semielectronic D^0 Branching Fraction
- Kudomi 92 Phys. Rev. C46:2132, 1992;
Double Beta Decays of ^{100}Mo to Excited States in ^{100}Ru
- Kuehn 94 Phys. Lett. 334B:298, 1994;
The Measurement of the Polarization Transfer Coefficient in the (deuteron \uparrow , $p \uparrow$) Reaction at a Fixed Proton Momentum 4.5 GeV/c and a Deuteron Momentum Range 6.0 - 9.0 GeV/c
- Kugler 94 Phys. Lett. 335B:319, 1994;
Emission of Nucleons and Light Fragments Relative to the Reaction Plane in Bi+Pb Collisions at 1 GeV/u
- Kuhlen 94 DESY-94-191; MPI-PHE-94-23;
New Experimental Results at HERA

- Kuhlmann 91 FERMILAB-CONF-91-265-E;
New Particles Searches at CDF
- Kuhlmann 94 FERMILAB-CONF-94-148-E; CDF-PUB-JET-PUBLIC-2605;
Precision Measurement of the Prompt Photon Cross-Section in p Anti- p Collision at $\sqrt{s} = 1.8$ TeV
- Kuhlmann 94B FERMILAB-CONF-94-014-E;
Direct Photon Plus Charm Quark Production at CDF
- Kuhn 93 Phys. Rev. C48:1232, 1993;
Entropy Production in the Au+Au Reaction between 150 A and 800 A MeV
- Kuhn 94 Nucl. Phys. A569:175c, 1994;
Relativistic Coulomb Excitation of the 2 Phonon GDR in ^{208}Pb
- Kulik 94 Nuovo Cim. 107A:2435, 1994;
Observation of the $X(1740) \rightarrow K_S K_S$ Decay
- Kume 94 Nucl. Phys. A577:405c, 1994;
Double Beta Decays of ^{116}Cd
- Kumita 92 UR-1282;
Tests of Models for $e^+ e^-$ Annihilation into Hadrons and Leptons
- Kunde 95 Phys. Rev. Lett. 74:38, 1995; GSI-94-46;
Fragment Flow and the Multifragmentation Phase Space
- Kundrat 92 Phys. Rev. D46:4087, 1992;
High-Energy Elastic Hadron Scattering in Coulomb and Hadronic Region
- Kunne 91 Phys. Lett. 261B:191, 1991;
First Measurement of D_{non} in $\bar{p} p$ Elastic Scattering
- Kuno 92 KEK-92-128;
Search for $K^+ \rightarrow \pi^+ \nu \bar{\nu}$
- Kuno 94 KEK-94-10;
Search for Time Reversal Violation in K^+ Decays
- Kuplennikov 91 Vopr. At. Nauki i Techn. ser. Yad. 20:63, 1991;
Manifestation of the Internucleon Interactions in the Reactions $e^- p \rightarrow e^- X$, $e^- {}^3\text{He} \rightarrow e^- X$, and $e^- \text{Be} \rightarrow e^- X$
- Kuplennikov 91B Vopr. At. Nauki i Techn. ser. Yad. 23:11, 1991;
Nucleon-Nucleon Correlations and Inclusive Electron Scattering on ${}^4\text{He}$ Nucleus
- Kuplennikov 92 Yad. Phys. 55:716, 1992;
Inclusive Scattering of Electron on ${}^3\text{He}$ Nucleus
- Kuplennikov 94 Yad. Phys. 57:771, 1994;
Examination of the Cross Sections ${}^4\text{He} (e^-, e^-')$ Reaction in the Quasifree, Dip and $\Delta(1232 P_{33})$ -Resonance Region
- Kuplennikov 95 Yad. Phys. 58:963, 1995;
Pion-Electroproduction Peak in the Energy Spectrum of the Reaction ${}^4\text{He}(e^-, e^-')$
- Kurshetsov 94 Yad. Phys. 57:2030, 1994; IFVE-94-7;
Search for Exotic Baryons with SPHINX Facility
- Kuster 93 DESY-93-077-III;
New Results from the H1 Experiment at HERA on Photoproduction, Deep Inelastic Scattering and Searches for New Particles: Jets in Deep Inelastic Scattering at HERA
- Kuvshinnikov 91 Pisma Zh. Eksp. Teor. Fiz. 54:259, 1991;
Precision Measurement the $\bar{\nu}_e p \rightarrow n e^+$ Cross Section at Rovno AES Reactor
- Kuzichev 92 ITEP-92-46;
The Antiproton-Nuclei Annihilation at the Momentum Range from 0.70 GeV/c to 2.50 GeV/c
- Kuzichev 92B ITEP-92-16;
Annihilation Cross Section of \bar{p} with Be, C, Al, Fe, Cu, Cd and Pb Nuclei at Momenta 0.7 and 0.95 GeV/c
- Kuzichev 93 Nucl. Phys. A576:581, 1994; ITEP-93-94;
The Antiproton-Nuclei Annihilation Cross Section at the Momentum Range from 0.70 GeV/c to 2.50 GeV/c
- Kuzichev 95 Yad. Phys. 57:1910, 1995;
The Antiproton-Nuclei Annihilation Cross Section at the Momentum Range from 0.70 GeV/c to 2.50 GeV/c
- Kuzminov 92 INR-788-92;
Searching for "Heavy" Neutrino with Mass of 17 keV in the β Spectrum of ^{14}C
- Kuznetsov 93 JINR-E1-93-457;
The Properties of Nucleon Clusters in Relativistic Nuclear Collisions
- Kuznetsov 94 Pisma Zh. Eksp. Teor. Fiz. 60:311, 1994;
New Measurement of the Antineutrino Spin Asymmetry in Beta Decay of the Neutron and Restriction for Mass of W_R
- Kuznetsov 95 Phys. Rev. Lett. 75:794, 1995;
Measurements of the Antineutrino Spin Asymmetry in Beta Decay of the Neutron and Restrictions on the Mass of a Right-Handed Gauge Boson
- Kwan 93 FERMILAB-CONF-93-333;
Heavy Flavor Production at Fixed Target Photo- and Hadroproduction
- Kwiatkowski 95 Phys. Rev. Lett. 74:3756, 1995; CEA-DAPNIA-SPHN-94-54;
Multifragmentation in the 4.8 GeV ${}^3\text{He} + \text{Ag}_{\text{nat}}$, ${}^{197}\text{Au}$ Reactions
- Kwon 93 SLAC-409;
Strange Meson Spectroscopy in $K \omega$ and $K \phi$ at 11 GeV/c and Cherenkov Ring Imaging at SLD
- Laasanen 91 Mod. Phys. Lett. A7:2659, 1992; FERMILAB-CONF-91-234-E;
Search for New Particles in CDF
- Labarga 94 Nuovo Cim. 107A:2123, 1994;
Results from ZEUS on Deep Inelastic Scattering and Photoproduction at HERA
- Labs 92 SLAC-382;
Search for Double Cabibbo Suppressed Decays of the Charged D Meson
- Lach 92 FERMILAB-CONF-92-378;
Hyperon Polarization: An Experimental Overview
- Lach 93 FERMILAB-CONF-93-381;
Hyperon Polarization and Magnetic Moments

Lach 94

- Lach 94 FERMILAB-CONF-94-031;
Hyperon Polarization, Crystal Channeling and E781 at Fermilab
- Lafferty 92 MAN-HEP-92-03;
Resonance Production in $e^+ e^-$ Collisions
- Lafrance 93 MIT-CTP-2133;
Improved Coupled Channels and R -Matrix Models: $p p$ Predictions to 1 GeV
- Lamanna 93 LNGS-93-71;
The Muon Vertical Intensity Measured with the MACRO Detector
- Lamanna 94 Nucl. Phys. B434:479, 1995; CERN-PPE-94-137;
A High-Statistics Measurement of the $\bar{p} p \rightarrow \bar{n} n$ Charge-Exchange Reaction at 875 MeV/c
- Lambrech 94 Z. Phys. A350:115, 1994;
Energy Dependence of Collective Flow of Neutrons and Protons in $^{197}\text{Au} + ^{197}\text{Au}$ Collisions
- Lamoureux 95 FERMILAB-CONF-95-174-E; CDF-PUB-JET-PUBLIC-3186;
Photon Production at CDF and D0
- Landsberg 90 Usp. Fiz. Nauk 162:3, 1992; IFVE-90-182;
Hadronic Spectroscopy at Low Energies
- Landsberg 91 Yad. Phys. 55:1896, 1992; IFVE-91-44;
 $C(1480)$ -Meson and Electromagnetic Processes
- Landsberg 92 Yad. Phys. 55:1494, 1992;
GAMS Results on the $\omega \pi^0$ System
- Landsberg 92B Doklady Akad. Nauk SSSR 322:887, 1992;
GAMS Results on the $\omega \pi^0$ System
- Landsberg 93 IFVE-93-100;
Search for Exotic Baryons with SPHINX Facility
- Landsberg 94 Nuovo Cim. 107A:1867, 1994;
Partial-Wave Analysis of the $\omega \pi^0$ System at High Energies
- Landsberg 94B Nuovo Cim. 107A:2441, 1994;
Search for Exotic Baryons with the SPHINX Facility
- Landsberg 94C Usp. Fiz. Nauk 164:1129, 1994;
Exotic Baryons
- Landsberg 95 FERMILAB-CONF-95-061-E;
Search for Anomalous $Z^0 Z^0 \gamma$ and $Z^0 \gamma \gamma$ Couplings with D0
- Langenbrunne 92 Phys. Rev. Lett. 69:1508, 1992;
Evidence for Direct Triton Knockout in the $^4\text{He}(\pi, \pi' ^3\text{H})p$ Reaction
- Lantsev 91 Yad. Phys. 54:346, 1991;
Fast Nucleon Formation Mechanism in $(\pi^+, 2p X)$ and $(\pi^+, p X)$ Reactions on Ag and Br Nuclei at 170 MeV
- Laporte 93 DAPNIA-SPP-93-19;
H1 Results on Proton Structure Function F_2 and Diffractive Events in DIS
- Larson 93 Phys. Rev. D47:799, 1993;
Weak Radiative Decay $\Lambda \rightarrow n \gamma$ and the Radiative Capture Reaction $K^- p \rightarrow \Sigma(1385 P_{13}) \gamma$
- Lauber 92 SLAC-PUB-5974; COLO-HEP-293;
A Study of Jet Rates and Measurement of α_S at the Z^0 Resonance
- Lauber 93 SLAC-413;
A Study of Jet Rates and Measurement of α_S at the Z^0 Resonance
- Laymon 96 Phys. Rev. C53:1167, 1996;
Pion Elastic and Inelastic $^2(1)^+$ Scattering on ^{58}Ni , ^{60}Ni , ^{62}Ni , ^{64}Ni at $T_\pi = 180$ MeV
- Lazanu 93 UBPPUB-EPPG-PHYS-2;
About Some Possible Narrow Resonances
- Lazarus 92 Phys. Rev. Lett. 69:2333, 1992; FERMILAB-PUB-92-156; UR-1253;
A Search for Solar Axions
- Lebrun 93 FERMILAB-CONF-93-303;
 B Physics Working Group Summary
- Lecompte 94 FERMILAB-CONF-94-134-E; ILL-P-94-05-037;
Measurement of the B Cross-Section at CDF via B Semileptonic Decays
- Lee 93 Phys. Rev. Lett. 70:738, 1993;
Measurement of Spin Observables Using a Storage Ring with Polarized Beam and Polarized Internal Gas Target
- Lee 93B Phys. Lett. 313B:469, 1993; KEK-93-62; AMY-93-1;
Measurement of α_S from the Moment of Particle Momenta within Jets from $e^+ e^-$ Annihilation
- Lee 94 Phys. Lett. 323B:227, 1994;
Spin-Parity Analysis of the $f_1(1285) \pi^-$ System in the Reaction $\pi^- p \rightarrow f_1(1285) \pi^- p$ at 18 GeV/c
- Lee 95 Phys. Rev. C51:2770, 1995;
Experimental Search for a 17 keV Neutrino in the Internal Bremsstrahlung Spectrum of ^{71}Ge
- Leeb 92 Phys. Rev. Lett. 68:1472, 1992;
Constraint on Hypothetical Light Interacting Bosons from Low-Energy Neutron Experiments
- Legoff 94 Phys. Rev. C50:2278, 1994;
Short Range Interaction of Nucleons Inside the Nucleus via $^4\text{He}(e^-, e^-'p)$ Reactions
- Leienhecker 92 BONN-IR-92-27;
Identification of Longitudinal Transverse Interference Terms in Deuteron Electrodisintegration
- Leifels 93 Phys. Rev. Lett. 71:963, 1993;
Exclusive Studies of Neutron and Charged Particle Emission in Collisions of $^{197}\text{Au} + ^{197}\text{Au}$ at 400 MeV/Nucleon
- Leitch 91 Nucl. Phys. A522:351c, 1991;
Nuclear Medium Effects on Quarks, Gluons, and Vector Meson Production: New Insight from Dimuon Production
- Leitch 92 Nucl. Phys. A544:197c, 1992;
Nuclear Effects on Heavy Quark Production Results from Fermilab Experiments E772 and E780
- Leitch 94 Phys. Rev. Lett. 72:2542, 1994; FERMILAB-PUB-94-012-E;
Nuclear Dependence of Neutral D -Meson Production by 800 GeV/c Protons
- Leitch 95 Phys. Rev. D52:4251, 1995; FERMILAB-PUB-95-047-E;
Nuclear Dependence of $J/\psi(1S)$ Production by 800 GeV/c Protons Near $x_F = 0$

- Lemaire 91 Phys. Rev. C43:2711, 1991;
Charged-Pion Production in Non-Inclusive Proton-Nucleus Interactions at 0.8 and 1.6 GeV Incident Energies
- Lemaire 91B DPHN-SACLAY-91-13;
Invariant Cross Section in Non-Inclusive Proton-Nucleus Interactions Studied at 0.8 and 1.6 GeV Incident Kinetic Energy
- Leone 91 FERMILAB-CONF-91-152-E;
 W^\pm Mass and W^\pm Asymmetry at CDF
- Leone 92 FERMILAB-CONF-92-297-E;
CDF Measurements of the W^\pm Mass and Search for the Top
- Leone 94 INFN-PI-AE-94-007;
Search for the Top Quark at CDF in Events with Two Charged Leptons, Neutrinos and Hadronic Jets
- Lepekhin 94B Pisma Zh. Eksp. Teor. Fiz. 59:312, 1994;
Some Peculiarities of Transverse Momentum Distribution of Relativistic ${}^6\text{Li}$ Fragments in Photoemulsion
- Lepekhin 95 Yad. Phys. 58:881, 1995;
Fragmentation of ${}^6\text{Li}$ Nuclei with a Momentum of 4.5 GeV/c per Nucleon in Photoemulsion
- Lesiak 91 Z. Phys. C55:33, 1992; DESY-91-075;
Search for Radiative B Meson Decays
- Leung 93 Phys. Lett. 317B:655, 1993;
A Measurement of the Gross-Llewellyn Smith Sum Rule from the CCFR xF_3 Structure Function
- Levonian 93 DESY-93-077-I;
New Results from the H1 Experiment at HERA on Photoproduction, Deep Inelastic Scattering and Searches for New Particles: Low and Medium p_T Photoproduction at HERA
- Levy 95 DESY-95-003;
The Energy Behavior of Real and Virtual Photon-Photon Cross-Sections
- Lewenkopf 91 Phys. Rev. C44:1065, 1991; SI-91-03;
Fragmentation of Gold Projectiles with Energies of 200 – 980 MeV/Nucleon. Part II: Multiplicity Distributions and Correlations
- Lewis 94 FERMILAB-CONF-94-128-E; CDF-PUB-BOTTOM-PUBLIC-2603;
Mass and Lifetime Measurements with Exclusive B Reconstruction at CDF
- Lewis 94B FERMILAB-CONF-94-274-E;
Measurement of the b Cross Section at CDF via b Semileptonic Decays
- Li 92 Phys. Rev. C46:1538, 1992;
Mass Yield Distribution of Target Residues from the Reaction of Indium with 42 MeV/Nucleon ${}^{12}\text{C}$ Ions
- Li 93 KEK-92-185; AMY-92-03;
A Determination of α_S from $e^+ e^-$ Collisions at TRISTAN Energies
- Li 93B UR-1307; ER-40685-756;
Determination of the Strong Coupling α_S from Jet Production Rates in $e^+ e^-$ Annihilation at TRISTAN Energies
- Li 95 Phys. Lett. 355B:394, 1995;
A Determination of α_S in $e^+ e^-$ Annihilation at $\sqrt{s} = 57.3$ GeV
- Lidemartean 93 FERMILAB-CONF-93-223;
Top Search at the Tevatron
- Lidemartean 94 FERMILAB-CONF-94-332;
Status of the D0 Top Search
- Lindemann 93 BONN-IR-93-26;
First Measurement of the Reactions $\gamma p \rightarrow K^+ \Lambda$ and $\gamma p \rightarrow K^+ \Sigma^0$ with SAPHIR at ELSA
- Lindgren 92 Phys. Rev. D45:3038, 1992;
Measurement of the Strong Coupling Constant α_s in W^\pm -Boson Production at the CERN Proton-Antiproton Collider
- Lindsey 91 FERMILAB-CONF-91-336;
Results from E735 at the TEVATRON Proton-Antiproton Collider with $\sqrt{s} = 1.8$ TeV
- Lipa 91 HEPHY-PUB-559-91;
Recent Results from UA1
- Lips 94 Phys. Rev. Lett. 72:1604, 1994;
Multifragmentation Induced by Relativistic α Projectiles
- Lips 94B Phys. Lett. 338B:141, 1994;
Evidence for Simultaneous Breakup in Reactions with Relativistic α Projectile
- Lipton 92 FERMILAB-CONF-92-06;
Charm and Beauty Physics at Fermilab
- Lisa 95 Phys. Rev. Lett. 75:2662, 1995; LBL-35504;
Radial Flow in Au + Au Collisions at $E = (0.25 - 1.15)$ A GeV
- Liss 91 FERMILAB-CONF-91-253-E;
The Search for Top at CDF
- Lissauer 94 Nucl. Phys. A566:451c, 1994;
Low p_T Photon Production in Proton-Nucleus Collisions at 18 GeV/c
- Lissauer 94B Phys. Rev. C50:1077, 1994;
Production of Light Nuclei in Relativistic Heavy-Ion Collisions
- Lissauer 94C Phys. Rev. C50:3047, 1994;
Centrality Dependence of Longitudinal and Transverse Baryon Distributions in Ultrarelativistic Nuclear Collisions
- Littenberg 91 Phys. Rev. Lett. 68:443, 1992; ITP-SB-91-35; BNL-46613;
Upper Bounds on Lepton Number Violating Meson Decays
- Littenberg 93 Ann. Rev. Nucl. Part. Sci. 43:729, 1993;
Rare and Radiative Kaon Decays
- Litvinenko 93 Kr. Soob. JINR 58:35, 1993;
Detailed Study of Nuclear Density and Charge Distribution Effects in Cumulative Particle Production
- Litvintsev 94 Yad. Phys. 57:1616, 1994;
Recent ARGUS Results on Charmed Hadrons Production
- Liu 93 Phys. Rev. D49:4339, 1994; KEK-93-147;
Studies of $e^+ e^-$ Annihilation Multihadron Events Including Muons at $\sqrt{s} = 57.8$ GeV
- Liu 96 Phys. Rev. C53:1711, 1996;
Test of a Density-Dependent Interaction Using in-Plane ${}^{28}\text{Si}(p,p){}^{28}\text{Si}$ Polarization Transfer Measurements

Llope 95

- Llope 95 Phys. Rev. C52:1900, 1995;
The Sphericity of Central Heavy-Ion Reactions
- Logan 91 Mod. Phys. Lett. A6:3283, 1991;
Evidence for a Neutrino with a Mass of 17 keV
- Lohr 95 DESY-95-042;
Results from the ZEUS Experiment at HERA
- Longacre 93 Nucl. Phys. A566:167c, 1994; BNL-49446;
Results from E810 Concerning Strange Particles and Strangelet Search
- Longacre 95 Nucl. Phys. A590:477c, 1995;
 H_0 Candidates from the Decay $H_0 \rightarrow \Sigma^- p$, Observed in Heavy Ion Collisions with 14.6 A GeV/c Si Beam on Pb Target
- Longley 95 Phys. Rev. D52:2760, 1995; ANL-HEP-PR-94-45;
Ultrahigh Energy Cosmic Ray Composition from Surface Air Shower and Underground Muon Measurements at Soudan 2
- Lopatin 94 Nucl. Phys. A567:882, 1994;
Measurement of the Spin Rotation Parameters R and A in πp Elastic Scattering and a Test of πn Partial-Wave Analyses in the Region of Low-Lying P_{11} , S_{11} and D_{13} Resonances
- Lopezfernand 93 Phys. Lett. 312B:240, 1993; FTUV-93-19;
Model Independent Higgs Boson Mass Limits at LEP
- Losecco 92 Int. Jour. Mod. Phys. D1:69, 1992; UND-PDK-91-12;
Neutrino Observations of the 1987 Supernova: A Long Time Ago in a Galaxy Faraway
- Losecco 93 UNDPDK-93-02;
Search for Gamma Ray Burst Correlation with Neutrinos
- Losecco 95 Phys. Lett. 342B:392, 1995;
Limits on Cold Dark Matter from Underground Neutrino
- Lourenco 93 Nucl. Phys. A566:77c, 1994; LIP-PHYS-93-02;
 $J/\psi(1S), \psi(2S)$ and Muon Pair Production in p -Wt and S-U Collisions
- Lourenco 94 LIP-PHYS-94-01;
Dimuon Production in p -Wt, p -U and S-U Collisions at 200 GeV/Nucleon
- Lourenco 95 CERN-PPE-95-72; LIP-95-03;
Recent Results on Dimuon Production from the NA38 Experiment
- Lowe 94 Nuovo Cim. 107A:2183, 1994;
Results from SMC on the Deuteron Spin Structure Function
- Lubinski 94 Phys. Rev. Lett. 73:3199, 1994;
Neutral Halo in Heavy Nuclei from Antiproton Absorption
- Lucherini 94 Nuovo Cim. 107A:2271, 1994;
The $\phi \pi^+ / \omega \pi^+$ Ratio from $\bar{n} p$ Annihilations
- Ludlam 94 Nucl. Phys. A566:183c, 1994;
Particle Spectra and Correlations from Experiment 814
- Luk 92 LBL-31802;
An Experimental Review of Hyperon Magnetic Moments
- Luk 93 Phys. Rev. Lett. 70:900, 1993; LBL-32409;
Polarization of Ω^- Hyperons Produced in 800 GeV Proton-Beryllium Collisions
- Luke 93 Phys. Lett. 321B:88, 1994; UCSD-PTH-93-25; UTPT-93-21; CMU-HEP-93-13; DOE-ER-40682-37;
Extracting $|V_{bc}|$, m_c and m_b from Inclusive D and B Decays
- Lukens 93 FERMILAB-CONF-93-275-E;
Searches for B Hadrons at CDF
- Lung 93 Phys. Rev. Lett. 70:718, 1993;
Measurement of the Electric and Magnetic Form Factors of the Neutron from $Q^2 = 1.75$ to 4.00 (GeV/c) 2
- Lyakhno 96 Yad. Phys. 59:18, 1996;
Measurement of Angular Dependence of the Asymmetry of the Cross Section for ${}^4\text{He}(\gamma, p){}^3\text{H}$ and ${}^4\text{He}(\gamma, n){}^3\text{He}$ Reactions Induced by 40, 60 and 80 MeV Linearly Polarized Photons
- Lyndon 92 Phys. Rev. C45:308, 1992;
Coincidence Analyzing-Power Measurements of the Reaction ${}^{12}\text{C}(p, p\gamma) \text{C}^*$ through the 15.11 MeV State
- Lyuboshitz 95 Kr. Soob. JINR 74:109, 1995;
Determination of the Sizes of the Pion Emission Region in $n p$ Interaction at $P_n = (5.2 \pm 0.16)$ GeV/c Using the Interference Correlation Methods for Identical Particles
- Maas 93 FERMILAB-CONF-92-349-E;
Isolated Prompt Photon Production at CDF
- Macgibbon 95 Phys. Rev. C52:2097, 1995;
Measurement of the Electric and Magnetic Polarizabilities of the Proton
- Macgregor 91 Nucl. Phys. A533:269, 1991;
The ${}^{16}\text{O}(\gamma, 2n)$ Reaction Measured with Tagged Photons
- Machner 92 Z. Phys. A343:73, 1992;
Fission Fragment Distribution Following Antiproton Absorption at Rest on ${}^{238}\text{U}$
- Maciel 93 FERMILAB-CONF-93-395-E;
Inclusive Single Muon Production in D0
- Mack 95 Phys. Rev. C52:291, 1995;
Proton Scattering by ${}^{206}\text{Pb}$, ${}^{207}\text{Pb}$, ${}^{208}\text{Pb}$ at 650 MeV: Phenomenological Analysis
- Madaras 92 FERMILAB-CONF-92-365; LBL-33320;
Highlights from D0
- Maeda 94 Nucl. Phys. A577:277c, 1994;
Quasi-Free K^+ Photoproduction in ${}^{12}\text{C}$
- Maeno 95 Phys. Lett. 351B:574, 1995;
A Search for Massive Neutral Bosons in Orthopositronium Decay
- Maeshima 92 FERMILAB-CONF-92-160-E; CDF-PUB-ELECTROWEAK-PUBLIC-1766;
Heavy Gauge Boson and Λ_b Baryon Searches at CDF
- Maeshima 94 FERMILAB-CONF-94-227-E; CDF-PUB-EXOTIC-PUBLIC-2722;
Search for Z' and W'^{\pm} at CDF
- Maghakian 94 FERMILAB-PUB-94-239-E;
A Precision Measurement of the Prompt Photon Cross Section in $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV

- Magnussen 91 Z. Phys. C49:29, 1991; DESY-90-089;
A Comparison of Measured Jet Cross-Sections with QCD Calculations for $e^+ e^-$ Annihilation
- Mahalanabis 92 Z. Phys. A342:101, 1992;
Determination of Antiproton-Neutron Amplitude from Elastic \bar{p} -Deuteron Scattering at 600 MeV/c
- Mai 91 DESY-F15-91-05;
Determination of the Semileptonic Branching Ratio of B^0 Mesons
- Maitly 93 Mod. Phys. Lett. A8:3853, 1993;
Intermittency Patterns in Proton-Nucleus Interactions at High Energy
- Maitly 95 Z. Phys. C65:75, 1995;
Clan Structure and Intermittency in Proton-Nucleus Interactions at High Energy
- Maki 91 KEK-91-100;
Electroweak Studies at TRISTAN
- Makins 94 Phys. Rev. Lett. 72:1986, 1994;
Momentum Transfer Dependence of Nuclear Transparency from Quasielastic $^{12}\text{C}(e^-, e^-' p)$ Reaction
- Makoff 93 Phys. Rev. Lett. 75:2069, 1995; Phys. Rev. Lett. 70:1591, 1993;
Study of the Decay $K_L \rightarrow \pi^\pm \pi^0 e^- \bar{\nu}$
- Malek 91 Phys. Lett. 266B:255, 1991;
Photon Spectrum of the Neutron-Proton Bremsstrahlung at 170 MeV
- Malik 95 Z. Phys. C67:239, 1995;
Negative Binomial Distributions in Different Pseudorapidity Windows in 800 GeV Proton Nucleon Interactions
- Mallot 94 CERN-PPE-94-06;
Deep Inelastic Lepton Scattering
- Mamedov 92 Fiz. Elem. Chastits At. Yadra 23:767, 1992;
Measurement of Muon and Muon Neutrino Masses
- Mampe 93 Pisma Zh. Eksp. Teor. Fiz. 57:77, 1993;
Measurement of the Lifetime of Neutron by Means of Keeping of UCN with Registration of Inelastically Scattered Neutrons
- Mangano 93 Nucl. Instr. and Meth. A331:57, 1993; FERMILAB-PUB-93-139-E;
B Physics at CDF: Results and Prospects
- Manly 94 SLAC-PUB-6668;
A Preliminary Measurement of the Average B Hadron Lifetime
- Marage 91 Z. Phys. C49:385, 1991;
Coherent Production of $a_1(1260)^-$ Mesons and $(\rho \pi)$ Systems by Antineutrinos on Neon
- Margetis 95 Nucl. Phys. A590:355c, 1995;
First Results from NA49 on Pb + Pb Collisions at 158 GeV/Nucleon
- Maringer 92 BONN-IR-92-17;
Research on K^0 and $K^*(892)^\pm$ Production in $e^+ e^-$ Reactions at the Z^0 Pole
- Markaryan 95 YERE-1431(1)-95;
Source of Intermediate-Mass Fragment Emission, $4 < Z_f < 10$, in the Interactions of 3 GeV Electrons with ^{197}Au Nuclei
- Markeloff 92 FERMILAB-CONF-92-348-E;
An Analysis of the CDF Monojet Data
- Markosky 95 FERMILAB-CONF-95-137-E;
Measurement of Heavy Quark Production at D0
- Markowitz 93 Phys. Rev. C48:R5, 1993;
Measurement of the Magnetic Form Factor of the Neutron
- Martirena 94 SLAC-439;
A Calorimetric Measurement of the Strong Coupling Constant in Electron-Positron Annihilation at a Center-of-Mass Energy of 91.6 GeV
- Maruyama 93 INS-988;
Delta Excitation in ^3He and ^4He by Photons
- Masera 95 Nucl. Phys. A590:93c, 1995;
Dimuon Production below Mass 3.1 GeV/c² in p Wt and S Wt Interactions at 200 GeV/c/A
- Masoni 94 Nuovo Cim. 107A:2279, 1994;
Meson Spectroscopy with S- and P-Wave-Dominant Initial-State Selection in $\bar{p} p$ Annihilation
- Mass 95 BONN-IR-95-07;
Evidence for $J/\psi(1S)$ Mesons with the Help of Neural Networks in Photoproduction Events at HERA
- Masuda 92 KEK-92-124;
Neutron Polarization for P- and T-Violation Experiments
- Masuda 92B KEK-92-123;
Neutron Spin as a Probe Concerning P- and T-Violation
- Matsuda 91 KEK-91-184;
Study of the $\eta \pi^-$ System in $\pi^- p$ Reaction at 6 GeV/c
- Matsuoka 95 Phys. Lett. 359B:39, 1995;
Search for Deeply-Bound Pionic States using $(p, ^2\text{He})$ Reactions at 390.6 MeV
- Matthews 95 Phys. Rev. C51:2534, 1995;
Elastic Scattering of Pions from ^3H and ^3He into the Backward Hemisphere
- Matthews 95B Phys. Rev. Lett. 75:2803, 1995;
New Measurement of the CP Violation Parameter $\eta_{+-\gamma}$
- Matthias 91 Phys. Rev. Lett. 66:2716, 1991;
New Search for the Spontaneous Conversion of Muonium to Antimuonium
- Mattig 91 BONN-HE-91-19;
QCD Measurements with Heavy Quarks at LEP
- Matveev 92 Yad. Phys. 55:1268, 1992;
Pion and Proton Multiplicity Correlations in \bar{p} Xe Annihilations at Low Energy
- Maur 94 BONN-IR-94-06;
A Study of Production of Λ Baryons and the Correlative Production of Strange Particles with the OPAL Detector in the Range of the Z^0 Pole
- Mayer 92 Phys. Rev. Lett. 70:904, 1993; GSI-92-63;
Investigation of Pion Absorption in Heavy-Ion Induced Subthreshold π^0 Production
- Mayle 92 Phys. Lett. 317B:119, 1993; FERMILAB-PUB-92-381-A;
Constraints on Dirac Neutrinos from SN1987A

- Maytalbeck 92 Phys. Rev. Lett. 68:3012, 1992;
Proton Polarization from π^+ Absorption in ^3He
- Mazzoni 92 Nucl. Phys. A544:623c, 1992;
Measurements of the $\phi(1020)/(\rho + \omega)$ Ratio in a Large Kinematic Region in p Wt and S Wt Interactions
- Mazzoni 94 Nucl. Phys. A566:95c, 1994;
Dimuon and Vector-Meson Production in p Wt and S Wt Interactions at 200 GeV/c/Nucleon
- Mcaininch 94 Phys. Rev. C50:589, 1994;
Analyzing Power in Neutron-Deuteron Elastic Scattering at $E_{\text{lab}} = 3$ MeV
- McClelland 92 Phys. Rev. Lett. 69:582, 1992;
Quasifree Polarization Transfer Measurement in the (p, n) Reaction at 495 MeV
- McFarland 93B Phys. Rev. Lett. 71:31, 1993; EFL-93-13;
A Measurement of the Branching Ratio of $\pi^0 \rightarrow e^+ e^-$ from π^0 's Produced by $K_L \rightarrow \pi^0 \pi^0 \pi^0$ Decays in Flight
- McFarland 95 Phys. Rev. Lett. 75:3993, 1995; FERMILAB-PUB-95-153;
A Limit on $\nu_\mu (\bar{\nu}_\mu) \rightarrow \nu_\tau (\bar{\nu}_\tau)$ Oscillations from a Precision Measurement of Neutrino-Nucleon Neutral Current Interactions
- Mcgaughey 92 Phys. Rev. Lett. 69:1726, 1992;
Limit on the d/\bar{u} Asymmetry of the Nucleon Sea from Drell-Yan Production
- Mcgaughey 94 Phys. Rev. D50:3038, 1994; FERMILAB-PUB-94-038-E;
Cross Sections for the Production of High-Mass Muon Pairs from 800 GeV Proton Bombardment of ^2H
- McGeorge 95 Phys. Rev. C51:1967, 1995;
 $(\gamma, 2n)$ Reaction in ^{12}C
- Mcgowan 93 Phys. Rev. Lett. 70:251, 1993;
New Measurement of the Relativistic Doppler Shift in Neon
- Mckinzie 94 Phys. Rev. C49:2054, 1994;
Interference Effects in Nonanalog Pion Double Charge Exchange
- Mclean 93 OHSTPY-HEP-E-93-016; DOE-ER-01545-610;
A Search for New Particles in $e^- p$ Collisions Using the ZEUS Detector
- Mcnaughton 91 Phys. Rev. C44:2267, 1991; ANL-HEP-PR-91-103;
 $n p$ Elastic Spin-Transfer Measurements at 788 MeV
- Mcnaughton 92 Phys. Rev. C45:2564, 1992;
deuteron (p, n) $2p$ Spin Transfer from 305 to 788 MeV
- Mcnaughton 92B Phys. Rev. C46:47, 1992;
 $n p$ Elastic Spin-Transfer Measurements at 485 and 635 MeV
- Mcnaughton 93 Phys. Rev. C48:256, 1993; ANL-HEP-PR-93-10;
 $n p$ Elastic Analyzing Power A_{NO} and Spin Transfer K_{NN}
- Meekhof 93 Phys. Rev. Lett. 71:3442, 1993;
High Precision Measurement of Parity Nonconserving Optical Rotation in Atomic Lead
- Meier 94 Phys. Rev. C49:320, 1994;
Vector Analyzing Power Measurement of Pion Scattering from Polarized ^7Li in the Region of the $\Delta(1232 P_{33})$ Resonance
- Meijerdrees 92 Phys. Rev. D45:1439, 1992;
Measurement of the π^0 Electromagnetic Transition Form Factor
- Meijerdrees 92B Phys. Rev. Lett. 68:3845, 1992;
Search for Weakly Interacting Neutral Bosons Produced in $\pi^- p$ Interactions at Rest and Decaying into $e^+ e^-$ Pairs
- Meinhard 91 SIEG-THESIS;
Elastische Electron-Positron-Streuung bei Schwerpunktenenergien um die Z^0 -Resonanz
- Melanson 93 FERMILAB-CONF-93-165-E;
Jet Production in Deep-Inelastic Muon Scattering at 490 GeV
- Melese 94 FERMILAB-CONF-94-271-E;
Search for Diffractive W^\pm 's in CDF
- Melese 95 FERMILAB-CONF-95-109-E;
Probing Pomeron Structure at Fermilab
- Melku 91 Izv. Akad. Nauk SSSR, Fiz.:55:635, 1991;
Two Particle Rapidity Distributions in Hadron Interactions and a Comparison with Cluster Model
- Menichetti 94 Nuovo Cim. 107A:2013, 1994;
New Results from E760. Study of Charmonium States at the Fermilab Accumulator
- Mercer 93 Phys. Rev. Lett. 71:684, 1993;
Polarization Transfer in $(\bar{p}\uparrow, \bar{n}\uparrow)$ Reactions at 318 and 494 MeV and the Effective Interaction
- Mercer 94 Phys. Rev. C49:3104, 1994;
Multipole Decomposition of the $^{16}\text{O} (p, n) ^{16}\text{F}$ and $^{18}\text{O} (p, n) ^{18}\text{F}$ Reactions at 494 MeV
- Merenyi 92 Phys. Rev. D45:743, 1992;
Determination of Pion Intranuclear Rescattering Rates in ν_μ -Ne Versus ν_μ -deuteron Interactions for the Atmospheric ν Flux
- Merkel 93 BONN-IR-93-67;
Strangeness Photoproduction with the SAPHIR Detector
- Merritt 93 FERMILAB-CONF-93-045-E;
A Search for Scalar Leptoquarks in D0
- Meschi 92 FERMILAB-CONF-92-340-E;
Color Coherence in Multijet Events at CDF
- Meschi 93 FERMILAB-CONF-93-314-E;
Recent Results on QCD at the Tevatron (CDF and D0)
- Meyer 92 Nucl. Phys. A539:633, 1992;
Total Cross Section for $p p \rightarrow p p \pi^0$ Close to Threshold
- Meyerhoff 94 Phys. Lett. 327B:201, 1994;
First Measurement of the Electric Formfactor of the Neutron in the Exclusive Quasielastic Scattering of Polarized Electrons from Polarized ^3He
- Mezani 92 Phys. Rev. Lett. 69:41, 1992;
High Momentum Transfer $R_{T,L}$ Inclusive Response Functions for ^3He , ^4He
- Mielke 94 Jour. of Phys. G 20:637, 1994;
Cosmic Ray Hadron Flux at Sea Level up to 15 TeV

- Mikaelyan 91 Izv. Akad. Nauk SSSR, Fiz. 55:1005, 1991;
Investigation of the Electron Antineutrino Interaction with Protons and Deuterons on the Rovensk AES
- Milkau 91 Phys. Rev. C44:R1242, 1991;
Intermediate Mass Fragments from $^{40}\text{Ar} + ^{197}\text{Au}$: Transition from the Incomplete Fusion to the Participant Spectator Regime
- Miller 93 Phys. Lett. 314B:7, 1993; LBL-34426;
Mass Dependence of Pion Production in Heavy Ion Collisions near, but below Threshold
- Miller 95 Phys. Rev. Lett. 74:502, 1995;
Measurement of Quasielastic $^3\text{He}(p, pn)$ Scattering from Polarized ^3He and the Three-Body Ground State Spin Structure
- Milsztajn 92 DAPNIA-SPP-92-15; NMC-92-08;
Target Dependence of R Measured in Deep Inelastic Muon Scattering
- Minaenko 94 Z. Phys. C62:15, 1994; IFVE-93-98;
Investigation of ρ^0 Meson Spin Alignment in $\bar{p} p$ Interactions at 32 GeV/c
- Minor 92 Yad. Phys. 55:1243, 1992;
Proton Spectra Following Antiproton Annihilation at Rest in Carbon and Uranium
- Minor 92B Z. Phys. A342:447, 1992;
Multinucleon Phenomena and Proton Spectra Characterizing Antiproton Annihilation at Rest in Nuclei
- Minowa 93 Phys. Rev. Lett. 71:4120, 1993;
Invisible Axion Search in ^{139}La M1 Transition
- Mishnev 93 Phys. Lett. 302B:23, 1993;
Measurement of the Analyzing Power Components in Photodisintegration of the Polarized Deuteron
- Mishra 91 Phys. Rev. Lett. 66:3117, 1991;
Neutrino Tridents and W^\pm - Z^0 Interference
- Mishra 92 Phys. Rev. Lett. 68:3499, 1992;
Search for Right Handed Coupling in ν - n Scattering
- Mishra 94 Phys. Rev. D50:R9, 1994; FERMILAB-PUB-94-083-E;
Search for the Decay $D^0 \rightarrow \mu^+ \mu^-$
- Miskowicz 94 Phys. Rev. Lett. 72:3650, 1994; GSI-94-28;
Observation of Enhanced Subthreshold K^+ Production in Central Collisions between Heavy Nuclei
- Miskowicz 95 Nucl. Phys. A590:473c, 1995;
Pion-Pion Correlations in Au+Au Collisions at AGS Energy
- Mitchell 94 Nucl. Phys. A566:415c, 1994;
Charged Hadron Distributions in 200 GeV/A S+Au Collisions: A Look at Stopping
- Mitsui 93 Phys. Rev. Lett. 70:2265, 1993; UT-ICEPP-93-02;
Search for Invisible Decay of Orthopositronium
- Miyabayashi 95 Phys. Lett. 347B:171, 1995; DPNU-94-47; NWU-HEP-94-06; KEK-94-152; TUAT-HEP-94-05; TIT-IPE-94-11; OCU-IIEP-94-09; PU-94-688; INS-1074; KOBE-HEP-94-08;
Measurement of the Total Hadronic Cross Section and Determination of γ Z^0 Interference in $e^+ e^-$ Annihilation
- Miyajima 94 IETNS NOT FOUND 41:835, 1994; KEK-94-21;
Search for Double Beta-Decay Products of ^{136}Xe in Liquid Xenon
- Moisan 92 Nucl. Phys. A537:667, 1992;
Neutral Pion Production in Reactions $^{16}\text{O} + ^{27}\text{Al}$, ^{58}Ni , ^{208}Pb at $E_{\text{lab}} = 95$ MeV/Nucleon
- Monch 91 PITIA-91-2;
Results of the Frejus Experiment on the Stability of the Nucleon
- Montagna 93 Phys. Lett. 303B:170, 1993; DFTT-G-92-4; FNT-T-92-26;
Standard Model Parameters from a Global Fit to LEP Data
- Montarou 91 Phys. Rev. C44:365, 1991; PCCF-RI-9011;
Deuteron Production in Alpha-Nucleus Collisions from 200 to 800 MeV per Nucleon
- Montarou 93 Phys. Rev. C47:2764, 1993;
Intranuclear Cascade-Percolation Approach for Protons and Light Fragments Production in Neon-Neobium Reactions at 400 and 800 MeV per Nucleon
- Moody 92 Phys. Rev. C46:2624, 1992;
Search for the Double Beta Decay of ^{244}Pu
- Moody 93 Phys. Rev. Lett. 70:1195, 1993;
Gauss's Law of Gravity at Short Range
- Morandin 94 Nuovo Cim. 107A:1875, 1994; DFPD-93-EP-64;
First Measurement of the Neutron Electromagnetic Form Factors in the Timelike Region
- Morelos 93 Phys. Rev. Lett. 71:2172, 1993; FERMILAB-PUB-93-167-E;
Polarization of Σ^+ and $\bar{\Sigma}^-$ Hyperons Produced by 800 GeV/c Protons
- Morelos 93B Phys. Rev. Lett. 71:3417, 1993; FERMILAB-PUB-93-289-E;
Measurement of the Magnetic Moments of the Σ^+ and $\bar{\Sigma}^-$ Hyperons
- Morelos 93C Phys. Rev. D52:3777, 1995; FERMILAB-PUB-93-331-E;
 p_T and x_F Dependence of the Polarization of Σ^+ Hyperons Produced by 800 GeV/c Protons
- Moreno 91 Phys. Rev. D43:2815, 1991; FERMILAB-PUB-90-223-E;
Dimuon Production in Proton-Copper Collisions at $\sqrt{s} = 38.8$ GeV
- Morfin 92 FERMILAB-CONF-92-129-E;
Recent Experimental Studies of Hadron Showers Produced in High Energy Muon-Nucleus Interactions
- Morgan 94 Jour. of Phys. G 20:A1, 1994;
A Compilation of Data on Two-Photon Reactions Leading to Hadron Final State
- Mori 90 Phys. Rev. D43:2843, 1991; KEK-90-153; NIIG-DP-90-6; ICRR-223-90-16; TOKAI-U-KAM-90-04; KOBE-AP-90-05; OULNS-90-19; TIT-HPE-90-5; UPR-0199E;
Search for Fractionally Charged Particles in KAMIOKANDE-II
- Mori 91 KEK-91-39;
Recent Results from KAMIOKANDE-II
- Mori 91B Phys. Lett. 270B:89, 1991; KEK-91-62; NGTHEP-91-2; ICRR-244-91-13; UPR-0205E; TIT-HPE-91-2; OULNS-91-05;
Search for Neutralino Dark Matter in KAMIOKANDE
- Mori 91C Phys. Lett. 278B:217, 1992; KEK-91-180;
A Limit on Spontaneous R Parity Breaking from KAMIOKANDE

- Mori 92 Phys. Lett. 289B:463, 1992; KEK-92-44;
A Limit on Massive Neutrino Dark Matter from KAMIOKANDE
- Mori 92B KEK-92-24;
Upward-Going Muons in KAMIOKANDE
- Mori 93 Phys. Rev. D48:5505, 1993; KEK-93-77;
Search for Neutrino Dark Matter Heavier Than the W^\pm Boson at KAMIOKANDE
- Mori 95 Phys. Rev. C51:2611, 1995;
 $^{12}\text{C}(\gamma, p)^{11}\text{B}$ or Cross Section from 44 to 98 MeV
- Morita 95 Phys. Rev. Lett. 72:1180, 1995;
First Observation of Laser-Induced Resonant Annihilation in Metastable Antiprotonic Helium Atoms
- Moriyama 95 Phys. Lett. 347B:152, 1995;
The 17 KeV Neutrino and the Search for Anomalous γ Rays in ^{35}S Decay
- Morjean 91 Nucl. Phys. A524:179, 1991;
Energy Dissipation in Peripheral Reactions Induced by ^{40}Ar Beams between 27 and 44 MeV/u
- Morlet 94 Nucl. Phys. A577:155c, 1994;
Recent Results on the Isoscalar Spin Response in ^{40}Ca and ^{12}C
- Morley 95 Phys. Lett. 355B:52, 1995;
Saturation of Deposition Energy in Relativistic ^3He -Induced Reactions
- Moroni 94 Nuovo Cim. 107A:2025, 1994;
New Results on Heavy-Flavor Photoproduction from the E687 Experiment at FNAL
- Morrison 91 CERN-PPE-91-140;
Review of 17 keV Neutrino Experiments
- Morrison 91B Phys. Rev. Lett. 67:1696, 1991; CLNS-91-1091; CLEO-91-6;
Inclusive $\chi_{b1}(2P)$ Production in $\Upsilon(3S)$ Decay
- Morrison 92 CERN-PPE-92-80;
Updated Review of 17 keV Neutrino Experiments
- Morrison 92B Int. Jour. Mod. Phys. D1:281, 1992; CERN-PPE-92-109;
Updated Review of Solar Models and Solar Neutrino Experiments
- Morrison 93 CERN-PPE-93-98;
Is There a Solar Neutrino Problem? Review of Theory and Experiments
- Morrison 93B CERN-PPE-93-196;
Brief Review of Theory and Experiments on the Solar Neutrino Problem
- Morsch 92 Phys. Rev. Lett. 69:1336, 1992;
Radial Excitation of the Nucleon to the $P_{11}(1440 \text{ MeV})$ Resonance in α Proton Scattering
- Morsch 94 Z. Phys. A350:167, 1994; Z. Phys. A353:349, 1994;
Study of Elastic ^4He -Scattering from deuteron and ^{12}C at $E = 4.2 \text{ GeV}$
- Morse 90 Phys. Rev. D45:36, 1992; YAUG-A-90-4;
Observation of the Decay Mode $K_L \rightarrow \gamma \gamma e^+ e^-$
- Morse 91 BNL-46282;
Results from AGS E845: $K_L \rightarrow \pi^0 e^+ e^-, e^+ e^- \gamma, e^+ e^- e^+ e^-$
- Mortara 93 Phys. Rev. Lett. 70:394, 1993;
Evidence against a 17 keV Neutrino from ^{35}S Beta Decay
- Mosca 94 DAPNIA-SPP-94-12;
Review of Particle Dark Matter Experiments (Direct Detection)
- Moulding 92 FERMILAB-CONF-92-341-E;
New Limits on Generation-1 Leptoquarks
- Mueller 94 Nucl. Instr. and Meth. A351:59, 1994; FERMILAB-CONF-94-252-E;
B Physics with CDF: Recent Results and Future Prospects
- Muheim 93 HEPHY-93-5;
First Measurement of $\Gamma(D_s^+ \rightarrow \mu^+ \nu)/\Gamma(D_s^+ \rightarrow \phi(1020) \pi^+)$
- Muheim 93B HEPHY-93-3;
Three Model Dependent Estimates of $\text{Br}(D_s^+ \rightarrow \phi \pi^+)$
- Mukha 95 Phys. Lett. 367B:65, 1996; CERN-PPE-95-150;
Observation of the $^{11}\text{Li}(\beta \text{ deuteron})$ Decay
- Mukhopadhyaya 91 Phys. Rev. D46:3682, 1992; OSU-RN-263; AZPH-TH-91-63;
Constraints on Sterile Neutrinos from SN1987A
- Mukhopadhyaya 93 Nuovo Cim. 106A:793, 1993; UB-HEX-93-04;
Multiplicity Distributions in Forward and Backward Hemispheres at High Energy Collisions
- Mukhopadhyaya 93B Nuovo Cim. 106A:967, 1993; UB-HEX-93-08;
Multiplicity Distributions in High-Energy Heavy-Ion Collisions
- Mukhopadhyaya 93C Jour. of Phys. G 19:1137, 1993; UB-HEX-93-05;
Cluster Formation at High Energy Collisions
- Mukhopadhyaya 93D Phys. Rev. C47:410, 1993;
Entropy and Fractal Characteristics of Multiparticle Production at Relativistic Heavy Ion Interactions
- Mukhopadhyaya 95 Nuovo Cim. 108A:775, 1995; UB-HEX-95-02;
Two and Three Particle Correlations in Gold Emulsion Interactions at 10.6 A GeV
- Mullazhanov 93 Izv. Akad. Nauk SSSR, Fiz. 57-4:148, 1993;
Energy Spectrum of Diffusive γ -Radiation at Ultra-High Energies of $10^{14} - 10^{15} \text{ eV}$
- Muller 93 Phys. Rev. C48:981, 1993;
 $\pi \pi$ -Angular Correlations for $\pi^- p \rightarrow \pi^+ \pi^- n$ in the Region of the Delta Dominance
- Muminov 93 Izv. Akad. Nauk SSSR, Fiz. 57-4:63, 1993;
Proton-Nucleon and Proton-Ne Interactions with Neutron Generation at Energies of 300 GeV
- Munakata 91 Jour. of Phys. Soc. Jap. 60:2808, 1991; KEK-91-50; SHINSHU-CRP-91-01; NGPHEP-1; ICRR-242-91-11; KOBE-AP-91-04; OULNS-91-01; TIT-HPE-91-1; UPR-0204E;
Time Variation of the Cosmic Ray Muon Flux in Underground Detectors and Correlation with Atmospheric Temperature
- Muntz 95 Z. Phys. A352:175, 1995;
Properties of High-Energy Pions Emitted from Heavy-Ion Collisions at 1 GeV/Nucleon
- Muramatsu 94 Phys. Lett. 332B:477, 1994; KEK-94-13; NWU-HEP-94-02; DPNU-94-18; INS-1031; KOBE-HEP-94-04; OCU-HEP-94-02; PU-94-683; TIT-HPE-94-03; TUAT-HEP-94-02;
Measurement of the Photon Structure Function F_2^{γ} and Jet Production at TRISTAN

- Musolino 95 LAL-95-84;
Exclusive Λ_b Reconstruction
- Nagai 94 Phys. Lett. 335B:330, 1994;
Two-Nucleon Pion Absorption in ${}^4\text{He}$ at 1 GeV/c
- Nagai 95 INS-REP-1096; INS-1096;
(π^+ , K^+) Spectroscopy with the SKS Spectrometer
- Nagai 91 Phys. Lett. 278B:506, 1992; KEK-91-213; DPNU-92-09; KOBE-HEP-92-02; TU-HEP-92-02; UT-HE-92-04; OCU-HEP-92-02; INS-REP-915; NWU-HEP-92-02; TUAT-HEP-92-02; PU-92-659; TIT-HEP-92-02;
Experimental Study of b -quark Jets in $e^+ e^-$ Annihilation at TRISTAN
- Nagata 92 Mod. Phys. Lett. A7:3575, 1992; Mod. Phys. Lett. A8:1063, 1992;
Two-Pole Analysis of Narrow Structures in KEK $p p$ - A_y Related with $p p - p p$, π deuteron - π deuteron and $p p - \pi$ deuteron Observables
- Nakai 91 KEK-91-132;
Studies of Hadron-Induced Reactions with the FANCY Spectrometer
- Nakamura 91 Phys. Lett. 263B:529, 1991;
A New Limit on the Flux of Strange Matter
- Nakano 93 Phys. Lett. 314B:471, 1993;
Measurements of the Forward-Backward Asymmetry of $e^+ e^- \rightarrow c \bar{c}$ at $\sqrt{s} = 57.95$ GeV
- Nakano 94 Phys. Lett. 340B:135, 1994;
Measurement of the Forward-Backward Asymmetries for Charm- and Bottom-Quark Pair Productions at (\sqrt{s}) ≥ 58 GeV with Electron Tagging
- Nakaya 94 Phys. Rev. Lett. 73:2169, 1994;
Measurement of the Branching Ratio of $K_L \rightarrow e^+ e^- \gamma \gamma$
- Nanjo 92 Phys. Rev. D45:2559, 1992;
Exclusive Analysis of Multiparticle Production in π^- nucleon Interactions at 360 GeV/c
- Naples 94 Phys. Rev. Lett. 72:2341, 1994; FERMILAB-PUB-94-028-E;
A-Dependence of Photoproduced Dijets
- Narain 91 Phys. Rev. Lett. 66:3113, 1991;
E1 Transitions from the $\Upsilon(3S)$ State and the Fine Structure of the χ_b States
- Narain 93 FERMILAB-CONF-93-273-E;
Search for the Top Quark at D0
- Nasr 92 Nuovo Cim. 105A:1, 1992;
Some Features of Relativistic Particles Produced in High Energy Particle-Nucleus Collisions
- Nassalski 94 Nucl. Phys. A577:325c, 1994;
New Results on the Gottfried Sum and $\bar{d} \neq \bar{u}$ in the Nucleon Sea
- Nau 93 DESY-93-005;
Measurement of Inclusive Semileptonic Bottom Decays with the ARGUS Detector
- Neumeister 91 Phys. Lett. 275B:186, 1992; CERN-PPE-91-156; HEPHY-PUB-91-558;
Higher Order Bose-Einstein Correlations in $p \bar{p}$ Collisions at $\sqrt{s} = 630$ and 900 GeV
- Neumeister 93 Z. Phys. C60:633, 1993; CERN-PPE-93-152; HEPHY-PUB-580-93;
The Influence of Bose-Einstein Correlations on Intermittency in $p \bar{p}$ Collisions at $\sqrt{s} = 630$ GeV
- Nez 92 Phys. Rev. Lett. 69:2326, 1992;
Precise Frequency Measurement of the Hydrogen $2S - 8S/8D$ Transitions in Atomic Hydrogen: New Determination of the Rydberg Constant
- Nguyen 94 FERMILAB-CONF-94-187-E;
Search for $D^+ \rightarrow \pi^+ \mu^+ \mu^-$
- Ni 93 Phys. Rev. D48:1976, 1993;
Search for Spontaneous Conversion of Muonium to Antimuonium
- Nicol 93 LBL-34784;
Measurement of Tau Lepton Branching Fractions
- Niinikoski 94 CERN-PPE-94-05;
The SMC Experiment and First Results on the Longitudinal Deuteron Spin Asymmetry
- Niizeki 94 Nucl. Phys. A577:37c, 1994;
Spin-Isospin Excitation in Sd-Shell Nuclei Studied by the (deuteron, ${}^2\text{He}$) Reaction at $E_{\text{deuteron}} = 270$ MeV
- Nikolsky 92 LEBD-92-42;
Experimental Data on Inelastic Collisions with Light Nuclei of Cosmic Ray Protons in the Energy Range $10^{15} - 10^{17}$ eV
- Nikolsky 93 Izv. Akad. Nauk SSSR, Fiz. 57-4:18, 1993;
Vanishing of Fragmentation Part of Secondary Hadrons in Acts of Multiple Generation at Energies of Primary Protons above 10^4 TeV
- Nilsen 94 Phys. Rev. C50:1065, 1994;
Charge-Pickup by Heavy Relativistic Nuclei
- Nilsen 95 Phys. Rev. C52:3277, 1995;
Fragmentation Cross Sections of Relativistic ${}^{84}\text{Kr}$ and ${}^{109}\text{Ag}$ Nuclei in Targets from Hydrogen to Lead
- Noble 92 Phys. Rev. Lett. 69:414, 1992;
Measurement of the $\Lambda \rightarrow n \gamma$ Branching Ratio
- Nodulman 94 FERMILAB-CONF-94-317-E;
Electroweak Physics from the Tevatron
- Nomofilov 94 Phys. Lett. 325B:327, 1994; JINR-E1-93-405;
Measurement of Polarization Transfer and the Tensor Analyzing Power in Polarized Deuteron Break-up with Deuteron Momenta up to 9 GeV/c
- Norman 91 Jour. of Phys. G 17:S291, 1991;
Evidence for the Emission of a Massive Neutrino in the Nuclear β Decay
- Norman 94 FERMILAB-CONF-94-267-E;
Search for First and Second Generation Leptoquarks at D0
- Northcliffe 93 Phys. Rev. C47:36, 1993;
Differential Cross Section for n - p Elastic Scattering in the Angular Region $50^\circ < \theta_{\text{CM}} < 180^\circ$ at 459 MeV
- Noumi 95 Phys. Rev. C52:2936, 1995; KEK-95-10;
Hypernuclear Weak Decay of ${}^{12}\text{C}_\Lambda$ and ${}^{11}\text{Bor}_\Lambda$
- Novikov 94 Phys. Lett. 331B:433, 1994; CERN-TH-7137-94;
The Values of m_t and α_s Derived from the Nonobservation of Electroweak Radiative Corrections at LEP: Global Fit

- Nozaki 92 KEK-92-36;
 $e^+ e^-$ Annihilation into Four-Lepton Final States with the AMY Detector
- Numao 92 TRI-PP-92-41;
Precision Tests of $e^+ \mu^+$ Universality — Measurement of the $\pi^+ \rightarrow e^+ \nu$ Branching Ratio
- Numao 92B TRI-PP-92-49;
Precision Tests of $e^+ \mu^+$ Universality: Measurement of the $\pi^+ \rightarrow e^+ \nu$ Branching Ratio
- Numao 92C Mod. Phys. Lett. A7:3357, 1992; TRI-PP-92-88;
Precise Tests of $e-\mu$ Universality
- Numao 95 Phys. Rev. D52:4855, 1995; TRI-PP-95-17;
A New π^+ Lifetime Measurement
- Nurushev 91 IFVE-91-103;
Polarization Experiments (Review)
- Nuttall 92 RALT-132;
Tau Lepton Polarization from the Three Charged Pion Decay Channel
- Obserstedt 92 Nucl. Phys. A548:525, 1992;
Light-Particle Emission and Heavy-Residue Formation in the Fusion-Like Reaction $^{40}\text{Ar } ^{40}\text{Ca}$ at 15 MeV/u and $^{28}\text{Si} + ^{28}\text{Si}$ at 20 MeV/u
- Obukhov 93 JETP Lett. 57:79, 1993; Pisma Zh. Eksp. Teor. Fiz. 57:73, 1993;
Multiplicities of Charged Particles Accompanying Fusion Fragments from Proton ^{238}U Interactions at 0.46 – 0.9 GeV/c
- Ochiishi 95 KEK-95-37;
Measurements of Fragments Produced in Target Multifragmentation Using Bragg Curve Counters
- Odyniec 91 LBL-29996;
Strangeness Production in Nucleus-Nucleus Collisions: an Experimental Review
- Odyniec 91B LBL-31483;
Review of CERN Heavy-Ion Physics
- Ohshima 92 KEK-92-120;
0.073% (95% C.L.) Upper Limit on 17 keV Neutrino Admixture
- Ohshima 93 Phys. Rev. D47:4840, 1993; KEK-92-184; INS-REP-964; INS-964;
No 17 keV Neutrino: Admixture $<0.073\%$ (95% C.L.)
- Okamoto 91 Phys. Lett. 278B:393, 1992; KEK-91-150;
Measurement of the Forward-Backward Asymmetry of Charm Quark Production in $e^+ e^-$ Annihilation at $\langle\sqrt{s}\rangle = 58.4$ GeV
- Okamura 94 Nucl. Phys. A577:89c, 1994;
Study of the Spin-Dipole State via the (deuteron, ^2He) Reaction at 270 MeV
- Okonov 94 JINR-E1-94-387;
Highly Excited Matter Probed with Strangeness in Nucleus-Nucleus Collisions at JINR
- Olin 91 TRI-PP-91-62;
Production and Weak Decay of Polarized Hypernuclei
- Olsen 91 KEK-91-118; AMY-91-02;
Recent Results from TRISTAN
- Olson 91 Phys. Rev. C44:1862, 1991;
Direct Observation of the Giant Dipole Resonance of ^{16}O via Electromagnetic Dissociation
- Oltman 92 Z. Phys. C53:51, 1992;
Nucleon Structure Functions from High-Energy Neutrino Interactions. FNAL-616/701 experiment
- Orito 91 Phys. Rev. Lett. 66:1951, 1991;
Search for Supermassive Relics with a 2000-m² Array of Plastic Track Detectors
- Oshima 94 FERMILAB-CONF-94-285-E;
Search for W^\pm Pair Production with Dilepton Decay Modes at D0
- Otterlund 91 LUIP-9105;
Extrapolation Based on EMU01-Data from Oxygen, Silicon and Sulphur Induced Violent Interactions at Medium and High Energies
- Otterlund 93 LUIP-9304;
Gentle and Violent Gold Interactions from the BNL AGS
- Oyang 91 UCLA-HEP-91-005;
Inclusive Production and Flavor Correlations of Strange Baryons in $e^+ e^-$ Annihilation at $\sqrt{s} = 20$ GeV
- Ozawa 94 Phys. Lett. 334B:18, 1994;
Interaction Cross Sections and Radii of the Mass Number $A = 17$ Isobar (^{17}N , ^{17}F , ^{17}Ne)
- Paic 94 Nuovo Cim. 107A:2141, 1994;
Structure Function Ratios $F_2^{\text{Li}}/F_2^{\text{deuteron}}$ and $F_2^{\text{C}}/F_2^{\text{deuteron}}$ at Low x_{BJ}
- Pairsuwan 95 Phys. Rev. C52:2552, 1995;
Analyzing Power for the $^2\text{H}(p\bar{p}, p n)^1\text{H}$ Reaction at 200 MeV
- Palamara 93 LNGS-93-74;
Composition of the Ultrahigh-Energy Primary Cosmic Rays as Measured by the MACRO Detector
- Palano 92 CERN-PPE-92-93;
Resonance Production in Central Hadronic Collisions
- Palsania 91 Mod. Phys. Lett. A6:2749, 1991;
A Study of Bounce-off Effect in 1.1 A GeV ^{139}La Ag/Br Collision
- Pan 92 Mod. Phys. Lett. A7:1287, 1992;
Experimental Search for Anomalous Spin-Spin Interactions
- Panagiotou 94 Nucl. Phys. A566:35c, 1994;
Hadron Production in S+Ag and S+Au Collisions at 200 GeV/Nucleon
- Panagiotou 95 Nucl. Phys. A590:197c, 1995;
Recent Results from NA35
- Pantaleone 94 Phys. Rev. D49:R2152, 1994;
Constraints on Three-Neutrino Mixing from Atmospheric and Reactor Data
- Papadimitrio 91 Phys. Rev. D44:R573, 1991;
Measurement of the Branching Ratio of the Decay $K_L \rightarrow \pi^0 \gamma \gamma$
- Papadimitrio 92 FERMILAB-CONF-92-252-E;
Inclusive $J/\psi(1S)$, $\psi(2S)$ and b -Quark Production in $\bar{p} p$ Collisions at $\sqrt{s} = 1.8$ TeV
- Papadimitrio 93 FERMILAB-CONF-93-180-E;
B Production at CDF

- Papadimitrio 93B FERMILAB-CONF-93-291-E;
Studies of Quarkonia Production with CDF
- Papadimitrio 93C FERMILAB-CONF-93-299-E; CDF-PUB-CDF-PUBLIC-2293;
Quarkonia Production, b -Quark Production and $b\bar{b}$ Correlation Studies with CDF
- Papadimitrio 94 FERMILAB-CONF-94-221-E; CDF-PUB-BOTTOM-PUBLIC-2751;
 Υ Production at CDF
- Papadimitrio 95 FERMILAB-CONF-95-128-E;
Production of Heavy Quark States at CDF
- Papadimitrio 95B FERMILAB-CONF-95-227-E; CDF-PUB-BOTTOM-PUBLIC-3240;
 Υ Production at CDF
- Papandreou 95B Phys. Rev. C51:2862, 1995; TRI-PP-95-10;
 ${}^6\text{Li}(\pi^+, p p) {}^4\text{He}_{(g.s.)}$ Reaction at 100 MeV and 165 MeV Incident Pion Energies
- Parashar 94 Phys. Rev. D50:3553, 1994;
Correlations in High-Energy Interactions
- Parashar 94B Nuovo Cim. 107A:1419, 1994;
Relation between Short-Range Correlations and Intermittency
- Parashar 95 Nuovo Cim. 108A:789, 1995;
Intermittency and Fractal Behaviour of Shower Particles at High Energy
- Parashar 95B Jour. of Phys. G 21:173, 1995;
One-Dimensional and Two-Dimensional Multifractals in Varying Large Bin Sizes
- Parashar 95C Nuovo Cim. 108A:489, 1995;
Multifractal Moments in High-Energy Interactions
- Park 94 SLAC-435;
A Measurement of the Left-Right Cross Section Asymmetry in Z^0 Production with Polarized $e^+ e^-$ Collisions
- Park 94B FERMILAB-CONF-94-228-E; CDF-PUB-EXOTIC-PUBLIC-2734;
Search for Second Generation Leptoquarks at CDF
- Park 95 FERMILAB-CONF-95-155-E; CDF-PUB-EXOTIC-PUBLIC-3199;
Search for New Phenomena in CDF. 1. Z-prime, W-prime and Leptoquarks
- Partlan 95 Phys. Rev. Lett. 75:2100, 1995;
Fragment Flow in Au Au Collisions
- Pate 93 Phys. Rev. Lett. 70:3205, 1993;
Spin Correlation and Analyzing Power Measurements for Neutron-Proton Radiative Capture at $T_n = 183$ MeV
- Pater 93 RX-1431;
Evidence for b Baryons and B_s Mesons in Z^0 Decays
- Patton 91 RALT-127;
 $B^0\text{-}\bar{B}^0$ Mixing at the Z^0 Pole
- Pavel 93 DESY-93-160;
New Results from ZEUS on $e^- p$ Collisions at HERA
- Pawlyak 91 Yad. Phys. 54:1613, 1991; Sov. J. Nucl. Phys. 54:987, 1991;
Secondary Particle Multiplicity Correlations in Hadron-Nucleus Interactions at Intermediate Energies
- Payne 94 Nucl. Instr. and Meth. A351:19, 1994;
Recent B Physics Results from CLEO-II
- Peaslee 94 Phys. Rev. C49:2271, 1994;
Energy Dependence of Multifragmentation in ${}^{84}\text{Kr}+{}^{197}\text{Au}$ Collisions
- Pendlebury 93 Ann. Rev. Nucl. Part. Sci. 43:687, 1993;
Fundamental Physics with Ultracold Neutrons
- Peng 92 FERMILAB-CONF-92-301;
Preliminary Results from FERMILAB E789
- Peralta 91 Nucl. Phys. A525:665c, 1991;
Meson Production in Oxygen-Uranium and Sulphur-Uranium Collisions at 200 GeV/Nucleon
- Perdereau 91 LAL-91-06;
Final Results of the FREJUS Proton Decay Experiment on Atmospheric Neutrinos
- Perdereau 92 LAL-92-26; CERN-PRE-92-36;
New Results on Direct CP Violation from the NA31 Experiment
- Perepelitsa 90 Z. Phys. C50:395, 1991; CERN-PPE-90-164;
Backward Production of Mesons Associated with $\Delta(1232 P_{33})^{++}$ in $\pi^+ p$ Interactions at 20 GeV/c
- Perepelitsa 91 Z. Phys. C52:407, 1991; CERN-PPE-91-118;
Observation of Meson Central Production in Baryon Exchange Processes
- Perera 93 Phys. Rev. Lett. 70:1053, 1993;
Search for Fractional-Charge Impurities in Silicon Using Infrared Photoionization and Field Ionization
- Perez 91 DPHPE-91-06;
Measurement of Isolated Photon Production in Hadronic Z^0 Decay
- Perl 91 Rep. Prog. Phys. 55:693, 1992; SLAC-PUB-5614;
The Tau Lepton
- Perrin 92 Z. Phys. A342:199, 1992;
Pion Production in Heavy Ion Reactions Induced by ${}^{16}\text{O}$ and ${}^{84}\text{Kr}$ at 60 MeV per Nucleon
- Perrotkunne 91 Phys. Lett. 261B:188, 1991; DPHN-SACLAY-91-14;
Measurement of the Analyzing Power in $\bar{p} p$ Elastic Scattering at 439 and 544 MeV/c
- Peters 92 Yad. Phys. 55:1429, 1992;
All Neutral Final States in $\bar{p} p$ Annihilation at Rest
- Peterson 92 Phys. Lett. 297B:238, 1992;
Quasifree Pion Single Charge Exchange at 500 MeV
- Peterson 94 Nucl. Phys. A577:161c, 1994;
Isoscalar Spin Response of Nuclei
- Peterson 95 Phys. Rev. C52:33, 1995;
500-MeV Pion Single-Charge Exchange on Deuterium
- Petratos 93 Nuovo Cim. 107A:2197, 1994; SLAC-PUB-6327;
SLAC Measurements of the Neutron Spin-Structure Function.
- Petratos 93B SLAC-PUB-6329;
Determination of the Neutron Spin-Structure Function

- Petrovici 95 Phys. Rev. Lett. 74:5001, 1995;
Cluster Formation During Expansion of Hot and Compressed Nuclear Matter Produced in Central Collisions of Au+Au at 150 A MeV
- Pfaff 96 Phys. Rev. C53:1753, 1996;
Fragmentation of ^{78}Kr Projectiles
- Phair 92 Nucl. Phys. A548:489, 1992;
Impact-Parameter Filters for ^{36}Ar ^{197}Au Collisions at $E/A = 50, 80$ and 110 MeV
- Pham 95 Phys. Rev. C51:526, 1995;
Fragmentation and Splitting of Gamow-Teller Resonances in Sn ($^3\text{He}, ^3\text{H}$) Sb Charge-Exchange Reactions, $A = 112-124$
- Piccinini 94 Nuovo Cim. 107A:2287, 1994;
First Results From OBELIX on Reactions with Detected Neutral Pions in the Final State
- Pickar 93 Phys. Rev. C48:2763, 1993;
Near-Threshold Proton-Induced Neutral Pion Production from ^{12}C
- Piekarz 93 FSU-HEP-931201;
A Study of Two Baryon States Using the Reactions K^- deuteron $\rightarrow \pi^- X$ and $K^- ^3\text{He} \rightarrow \pi^+ n X$ at 0.87 GeV/c
- Piekarz 93B FERMILAB-CONF-94-330-E; FSU-HEP-940816;
A Study of Events with Large Total Transverse Energy Produced in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Pienkowski 94 Phys. Lett. 336B:147, 1994; GANIL-P-94-10;
Hot Nuclei in Reactions Induced by 475 MeV, 2 GeV ^1H and 2 GeV ^3He
- Piepkke 94 Nucl. Phys. A577:493, 1994;
Investigation of the $\beta\beta$ Decay of ^{116}Cd into Exited States of ^{116}Sn
- Pieri 91 CERN-PPE-91-141;
Searches for the Neutral Higgs Boson at LEP
- Pierre 93 DAPNIA-SPP-93-14;
New B States ($B_s, \Lambda_b, \Xi_b, \dots$)
- Pietrzyk 91 Acta Phys. Polon. B22:247, 1991;
Triumph of the Standard Model in the ALEPH and Other Experiments at LEP
- Pile 91 Phys. Rev. Lett. 66:2585, 1991;
Study of Hypernuclei by Associated Production
- Pinfold 93 Phys. Lett. 316B:407, 1993;
A Search for Highly Ionizing Particles Produced at the OPAL Interaction Points at LEP
- Pinston 92 Nucl. Phys. A536:321, 1992;
High-Energy γ -Ray Production from 284 MeV ^3He on Nuclei
- Plathowbesch 91 CERN-PPE-91-206;
Measurement of W^\pm Properties at $\bar{p}p$ Colliders
- Plouin 92 Phys. Lett. 276B:526, 1992;
The η -Meson Mass
- Plunkett 91 FERMILAB-CONF-91-288-E;
QCD Results from CDF
- Plunkett 94 FERMILAB-CONF-94-045-E;
Jet Physics and QCD Tests at the Tevatron Collider
- Pluta 93 Nucl. Phys. A562:365, 1993;
Possible Observation of Medium Effects Using a Pion Correlation Technique
- Poblaguev 91 Yad. Phys. 55:2085, 1992; TRI-PP-91-90; INR-91-744;
On the Consistency of the $\pi^+ \rightarrow e^+ \nu_e \gamma$ Experimental Data
- Pocanic 94 Phys. Rev. Lett. 72:1156, 1994;
Reaction $\pi^+ p \rightarrow \pi^+ \pi^0 p$ Near Threshold and Chiral Symmetry Breaking
- Pochodzalla 95 Phys. Rev. Lett. 75:1040, 1995;
Probing the Nuclear Liquid-Gas Phase Transition
- Podobrin 91 DESY-91-111;
CELLO Results on Multiparticle Production
- Poggi 95 Nucl. Phys. A586:755, 1995;
Evidence for Collective Expansion in Light-Particle Emission Following Au Au Collisions at $100, 150$ and 250 A MeV
- Poitou 92 Nucl. Phys. A536:767, 1992;
Charged Pion Anisotropy in Relativistic Nucleus-Nucleus Collisions
- Pokotilovsky 92 Yad. Phys. 55:2305, 1992;
Experimental Test of Skobel'syn-Baldin Hypothesis on Emission of Nonstable Particles in ^{214}Bi Decay
- Pokotilovsky 93 Fiz. Elem. Chastits At. Yadra 24:5, 1993;
"Darmstadt Effect" and Related Topics
- Pokotilovsky 93B Kr. Soob. JINR 53:29, 1993;
Experimental Verification of Skobel'syn-Baldin Hypothesis of the Emission of Unstable Particles on Decay of ^{214}Bi
- Polikanov 94 Z. Phys. A350:221, 1994;
Electromagnetic and Nuclear Fission of ^{238}U in the Reaction of $100, 500$ and 1000 A MeV ^{208}Pb with ^{238}U
- Polster 93 Phys. Lett. 300B:317, 1993;
Spectra and Multiplicities of $n, p, \text{deuteron}, ^3\text{H}, K^\pm, \pi^\pm$ from Antiproton Annihilation in Cu and U
- Polster 95 Phys. Rev. C51:1167, 1995;
Light Particle Emission Induced by Stopped Antiprotons in Nuclei: Energy Dissipation and Neutron-to-Proton Ratio
- Polychronako 92 Nucl. Phys. A544:125c, 1992;
Result from CERN Experiment NA44
- Pordes 93 FERMILAB-CONF-93-383;
Charmonium and Bottomonium in $\bar{p}p$ Interactions
- Posthaus 94 BONN-IB-94-03;
Determination of an Upper Limit on the Mass of Tau-Neutrinos Using the OPAL Detector
- Potter 91 CMU-HEP-91-19;
Review of Semileptonic Charm Decays
- Powers 93 Phys. Rev. C47:1263, 1993;
Strong Interaction Effect Measurements in Sigma Hyperonic Atoms of Wt and Pb

- Prescott 93 SLAC-PUB-6355;
 $e^+ e^-$ Collisions at the SLC — the Left-Right Asymmetry
- Price 91 Phys. Rev. C43:835, 1991;
Behavior of Nuclear Projectile Fragments Produced in Collisions of 14.5 A GeV ^{28}Si with Pb and Cu Targets
- Price 95 Phys. Rev. C51:R2283, 1995;
 η Meson Photoproduction on Hydrogen near Threshold
- Privitera 91 CERN-PPE-91-185; IEKP-KA-91-09;
Physics of the τ^\pm Lepton at LEP
- Procario 91 CMU-HEP-91-12;
Recent Results on Charm Decays at $\sqrt{s} = 10$ GeV
- Procario 92 Phys. Rev. Lett. 70:1207, 1993; CLNS-92-1165; CLEO-92-9;
Tau Decays with One Charged Particle Plus Multiple π^0 's
- Procario 92B Phys. Rev. D48:4007, 1993; CLNS-92-1167; CLEO-92-10;
Study of D^0 Decays into \bar{K}^0 and $\bar{K}^*(892)^0$
- Procario 93 Phys. Rev. Lett. 73:1472, 1994; CLNS-93-1264; CLEO-93-24;
Observation of Inclusive B Decays to the Charmed Baryons $\Sigma_c(2455)^{++}$ and $\Sigma_c(2455)^0$
- Prokofiev 95 Yad. Phys. 58:1740, 1995;
Investigation of the Vector Analyzing Power iT_{11} from Deuteron Breakup Reaction π^+ deuteron $\rightarrow p p$ at 350 – 450 MeV
- Prokoshkin 90 Doklady Akad. Nauk SSSR 316:900, 1991; IFVE-90-78;
 $f_0(1590)$, $f_2(1520)$ and $f_2(1720)$ Decays through η η and $K \bar{K}$ Channels
- Prokoshkin 94 Yad. Phys. 58:662, 1995; IFVE-94-42;
Analysis of D -Wave in $\pi^- p \rightarrow a_2(1320)^0 n$ Reaction
- Prout 94 Nucl. Phys. A577:233c, 1994;
Spin-Longitudinal and Spin-Transverse Cross Sections for $\Delta(1232 P_{33})$ Production in the $^{12}\text{C}(p, n)$ Reaction
- Prout 95 Phys. Rev. C52:228, 1995;
Cross Sections and Analyzing Powers for Quasielastic Scattering at 795 and 495 MeV Using the (p, n) Reaction
- Przewoski 92 Phys. Rev. C45:2001, 1992;
Differential Cross Sections for Proton-Proton Bremsstrahlung at 294 MeV
- Pulzer 93 HD-IHEP-93-03;
Updated Measurement of the $B \rightarrow \tau^- \bar{\nu}_\tau X$
- Pumplin 92 Phys. Lett. 276B:517, 1992; DESY-91-143;
Analysis of Elastic Scattering at Low Momentum Transfer
- Punjabi 92 Phys. Rev. C46:984, 1992;
 T_{20} in the Inclusive Breakup of 4.5 GeV Polarized ^6Li
- Punjabi 95 Phys. Lett. 350B:178, 1995;
Measurement of Polarization Transfer κ_0 and Tensor Analyzing Power T_{20} in the Backward Elastic deuteron p Scattering
- Purohit 94 FERMILAB-CONF-94-186-E;
 D^0 - \bar{D}^0 Mixing and Doubly Cabibbo Suppressed Decays of the D^+
- Purohit 94B FERMILAB-CONF-94-408-E; USCHEP-94-01;
Preliminary Results on the Decays $D^+ \rightarrow K^+ \pi^+ \pi^-$, $D^+ \rightarrow K^+ K^+ K^-$
- Pust 91 Z. Phys. C51:531, 1991; DESY-91-003;
Measurement and Analysis of the Reaction $\gamma \gamma \rightarrow 3\pi^+ 3\pi^-$
- Qin 95 Nucl. Phys. A587:252, 1995;
Tensor and Vector Analyzing Powers of the $p(\text{deuteron}, p)n$ Reaction
- Quintas 93 Phys. Rev. Lett. 71:1307, 1993;
A Measurement of Λ_{QCD} from ν_μ -Fe Nonsinglet Structure Functions at the Fermilab Tevatron
- Quintas 94 FERMILAB-CONF-94-341-E;
Measurement of W^\pm and Z^0 Production Cross-Sections in $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Raab 95 Nucl. Phys. B, Proc. Suppl B40:255, 1995;
Michel Parameters and τ^\pm Neutrino Helicity from Spin/Energy Correlations in $Z^0 \rightarrow \tau^+ \tau^-$ at ALEPH
- Rabinowitz 93 Phys. Rev. Lett. 70:134, 1993;
Measurement of the Strange Sea Distribution Using Neutrino Charm Production
- Radel 93 Mod. Phys. Lett. A8:1067, 1993; CERN-PPE-93-65;
Neutrino Electron Scattering
- Raffelt 93 MPI-PH-93-81;
Experimental and Astrophysical Status of Neutrino Masses
- Ragan 95 FERMILAB-CONF-95-150-E; CDF-PUB-BOTTOM-PUBLIC-3173; MCGILL-95-32;
Rare B Decays and Time Dependent Mixing at CDF
- Raha 91 Int. Jour. Mod. Phys. A6:517, 1991;
Dileptons and Photons in High Energy Heavy Ion Reactions: A Review
- Rahav 92B Phys. Rev. C46:1167, 1992;
Nucleon Knockout from Polarized ^3He by Polarized Protons at 290 MeV
- Rahav 92C Phys. Lett. 275B:259, 1992;
Proton-Induced Nucleon Knockout from Polarized ^3He at 290 MeV
- Raja 92 FERMILAB-CONF-93-143-E;
Search for the Top Quark from (e^-, μ^-) and (e^-, e^-) Events in the D0 Detector in $p \bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV
- Raja 94 FERMILAB-CONF-94-327-E;
Search for Top in D0 Using the Electron + Jets Channel with Soft μ^- Tagging
- Ram 93 Phys. Rev. D49:3120, 1994; TRI-PP-93-14;
An Experimental Search for a New Light Baryon
- Ramberg 91 FERMILAB-CONF-91-258;
The Neutral Kaon Program at Fermilab and Recent E731 Results
- Ramberg 92 Phys. Rev. Lett. 70:2525, 1993; FERMILAB-PUB-92-384-E;
Simultaneous Measurement of K_S and K_L Decays into $\pi^+ \pi^- \gamma$
- Ramberg 92B Phys. Rev. Lett. 70:2529, 1993; FERMILAB-PUB-92-385-E;
First Measurement of the CP -Violation Parameter $\eta_{+-\gamma}$ in Neutral Kaon Decays

Ramberg 94

- Ramberg 94 Phys. Lett. 338B:403, 1994; FERMILAB-PUB-94-015;
Polarization of Λ and $\bar{\Lambda}$ Produced by 800-GeV Protons
- Ramillien 95 Nucl. Phys. A587:802, 1995;
Sideward Flow in Au Au Collisions at 400 A MeV
- Rapaport 94 Nucl. Phys. A577:83c, 1994;
Charge-Exchange Spin-Dipole and Quasifree Excitations in p -Shell Nuclei
- Rappenecker 95 Nucl. Phys. A590:763, 1995;
Cross Sections and Asymmetries for the $p(p, \pi^0)pp$ Reaction from Threshold to 1 GeV
- Raue 95 Phys. Rev. C52:R445, 1995;
Study of the Isospin Response of the ${}^4\text{He}$ Continuum Using the ${}^4\text{He}(p, p'X)$ Reaction
- Ravndal 94 Nuovo Cim. 107A:2305, 1994;
 $\bar{p} p$ Annihilation in Flight
- Rawoolsulliv 94 Phys. Rev. C49:627, 1994;
Pion Elastic Scattering on ${}^{28}\text{Si}$ at $T_x = 400$ MeV
- Ray 92 Yad. Phys. 55:1473, 1992;
Recent Results from Fermilab Experiment 760: Charmonium Formation in $\bar{p} p$ Annihilation
- Ray 93 FERMILAB-CONF-93-088;
Charmonium Physics from $p \bar{p}$ Interactions
- Raychaudhuri 91 Mod. Phys. Lett. A6:2003, 1991;
Time Variations in KAMIOKANDE Solar Neutrino Data
- Rensing 93 SLAC-421;
Single Electron Detection for SLD Grid and Multi-Pion Spectroscopy in $K^- p$ Interactions at 11 GeV/c
- Ressell 91 Phys. Rev. D44:3001, 1991; FERMILAB-PUB-91-180-A;
Limits to the Radiative Decay of the Axion
- Retzlaff 94 Phys. Rev. C49:1263, 1994;
Threshold Electrodisintegration in the $A = 3$ System
- Reusser 91 Phys. Lett. 255B:143, 1991;
Limits on Cold Dark Matter from the Gotthard Ge Experiment
- Reusser 92 Phys. Rev. D45:2548, 1992;
Final Report on the Search for Neutrinoless Double- β Decay of ${}^{76}\text{Ge}$ from the Gotthard Underground Experiment
- Rich 93 DAPNIA-SPP-93-01;
Radiochemical Solar Neutrino Experiments
- Richard 94 LAL-94-50;
Search for Heavy Neutral Higgs Bosons
- Riisager 92 Nucl. Phys. A540:365, 1992;
Two-Neutron Removal Reactions for Very Neutron-Rich Nuclei
- Riles 92 Int. Jour. Mod. Phys. A7:7647, 1992; UM-HE-92-15;
Review of Tau Lepton Studies at LEP
- Rimondi 92 FERMILAB-CONF-92-12-E;
Intermittency Studies in $\bar{p} p$ Collisions at $\sqrt{s} = 1800$ GeV
- Rimondi 92B FERMILAB-CONF-92-325-E;
Particle Production and Energy Flow in W^\pm and Z^0 Underlying Events
- Rimondi 93 FERMILAB-CONF-93-359-E;
Multiplicity Distributions in $\bar{p} p$ Interactions at $\sqrt{s} = 1800$ GeV
- Rimondi 94 FERMILAB-CONF-94-404-E;
Study of the Structure of the Events Produced in Soft $\bar{p} p$ Interactions at $\sqrt{s} = 1800$ GeV
- Ritchie 91 Phys. Rev. Lett. 66:568, 1991;
Total and Differential Cross Sections for π^+ deuteron $\rightarrow p p$ below 21 MeV
- Ritchie 93 Rev. of Mod. Phys. 65:1149, 1993;
Rare K Decays
- Ritchie 93B Phys. Rev. C47:21, 1993;
 π^+ deuteron $\rightarrow p p$ below 21 MeV
- Ritman 95 Z. Phys. A352:355, 1995;
On the Transverse Momentum Distribution of Strange Hadrons Produced in Relativistic Heavy Ion Collisions
- Roberts 91 Jour. of Phys. G 17:D1, 1991;
A Compilation of Structure Functions in Deep Inelastic Scattering
- Roberts 94 Phys. Rev. D50:1874, 1994;
Search for the Decay $K_L \rightarrow \pi^0 \pi^0 \gamma$
- Robertson 91 Phys. Rev. Lett. 67:957, 1991;
Limit on $\bar{\nu}_e$ Mass from Observation of the β Decay of Molecular Tritium
- Rock 91 Phys. Rev. D46:24, 1992; SLAC-PUB-5239;
Measurement of Elastic Electron-Neutron Scattering and Inelastic Electron-Deuteron Scattering Cross Sections at High Momentum Transfer
- Rodrigo 92 FERMILAB-CONF-92-342-E;
Jet Multiplicity in $W^\pm \rightarrow \ell^\pm \bar{\nu}$ at $\sqrt{s} = 1.8$ TeV $p \bar{p}$ Collisions
- Roehn 91 MZ-ETAP-91-01;
Measurement of τ^\pm Production and Decay Parameters with the Process $e^+ e^- \rightarrow Z^0 \rightarrow \tau^+ \tau^-, \tau^\pm \rightarrow \mu^\pm \nu_\tau \nu_\mu$
- Rohde 93 DESY-F15-93-03;
Partial Wave Analysis of the Decay $D^0 \rightarrow K^+ K^- \bar{K}^0$
- Rohdjess 93 Phys. Rev. Lett. 70:2864, 1993;
Total Cross Section for p deuteron $\rightarrow p$ deuteron π^0 Close to Threshold
- Roland 94 Nucl. Phys. A566:527c, 1994;
Rapidity and Transverse Momentum Dependence of the Two- π^- Correlation Function in 200 GeV/Nucleon S+nucleus Collisions
- Rolandi 92 CERN-PPE-92-175;
Precision Tests of the Electroweak Interaction
- Rollnik 92 BONN-IR-92-38;
Identification of Electrons in Semileptonic b Quark Decays. Determination $\Gamma_{bb}/\Gamma_{\text{had}}$ at the Z^0 Resonance with the OPAL Detector

Romaides 94

Sakumoto 92

- Romaides 94 Phys. Rev. D50:3608, 1994;
Second Tower Experiment: Further Evidence for Newtonian Gravity
- Ronan 91 LBL-30734;
Meson and Baryon Correlation Studies Using the PEP-TPC/2 γ Facility
- Ronceux 93 LAPP-EXP-93-06;
 $\psi(2S)$ and $J/\psi(1S)$ Production in p -U and S-U Collisions at 200 GeV/Nucleon
- Ronceux 93B LAPP-T-93-05;
Interactions p -U et S-U a 200 GeV/Nucleon et a Haute Intensite: Etude des Resonances $\psi(2S)$ et $J/\psi(1S)$ par le Canal $\mu^+ \mu^-$
- Rosati 94 Nucl. Phys. A566:597c, 1994;
Particle Production in p +A Collisions at 14.6 GeV/c
- Roser 95 FERMILAB-CONF-95-158-E; CDF-PUB-TOP-GROUP-3204;
Top Decays in the Dilepton Channel at CDF
- Rossi 91 INFN-AE-91-16;
Heavy Quark Production
- Rouge 95 X-LPNHE-95-01;
Results on τ Neutrino from Colliders
- Rousselchoma 93 Nucl. Phys. A551:508, 1993;
Complex Fragment Production and Multifragmentation in ^{138}La Induced Reactions at 35, 40, 45 and 55 MeV/u
- Rowson 92 SLAC-PUB-5902;
First Measurement of the Left-Right Cross Section Asymmetry in Z^0 Boson Production at $E_{\text{cm}} = 91.55$ GeV
- Rubehn 95 Z. Phys. A353:197, 1995; GSI-95-28;
Electromagnetic Fission of ^{238}U at 600 and 1000 MeV per Nucleon
- Rubehn 96 Phys. Rev. C53:993, 1996;
Charge Pickup of ^{238}U at Relativistic Energies
- Rubinstein 91 FERMILAB-CONF-91-227;
Measurement of ρ , the Ratio of the Real to Imaginary Part of the $\bar{p}p$ Forward Elastic Scattering Amplitude, at $\sqrt{s} = 1.8$ TeV
- Rubinstein 93 FERMILAB-CONF-93-216-E;
Status of Fermilab E710
- Ruf 92 Yad. Phys. 55:1527, 1992;
First Results of the CPLEAR Experiment at CERN
- Ruhl 91 Nucl. Phys. A524:377, 1991;
Analyzing Power in n deuteron Elastic Scattering at 67 MeV
- Ruoso 92 FERMILAB-PUB-92-48-E;
Limits on Light Scalar and Pseudoscalar Particles from a Photon Regeneration Experiment
- Ruoso 92B Z. Phys. C56:505, 1992;
Search for Photon Regeneration in a Magnetic Field
- Rusch 94 Phys. Rev. C49:901, 1994;
Charge Correlations and Transverse Momenta Observed in Multifragmentation of 1 GeV/Nucleon Au Projectiles
- Rusek 95 Phys. Rev. C52:1580, 1995;
Search for p Dibaryon-Nucleus Bound States in Relativistic Au + Pt Collisions
- Ruth 94 Phys. Rev. Lett. 72:617, 1994;
First Measurement of the Reaction $^3\text{He}(\gamma, p)X$ with Polarized Photons
- Rybicki 95 Phys. Lett. 353B:547, 1995; BRU-PH-201;
Momentum Correlations of Charmed Pairs Produced in π^- Cu Interactions at 230 GeV/c
- Ryckbosch 94 Nucl. Phys. A568:52, 1994;
Absorption of Intermediate-Energy Photons by Multi-Particle Clusters in ^6Li
- Sackett 91 Phys. Rev. C44:384, 1991;
Neutron Inclusive Measurements of $^{36}\text{Ar} + \text{Ag}$ Reactions at 35 MeV/Nucleon
- Sadovsky 94 Yad. Phys. 57:1600, 1994;
New GAMS Results on Meson Spectroscopy
- Sagara 94 Phys. Rev. C50:576, 1994;
Energy Dependence of Analyzing Power A_p and Cross Section for p +deuteron Scattering below 18 MeV
- Sahu 95 Phys. Lett. 346B:208, 1995; KEK-94-184; SAGA-HE-75;
A High Q^2 Measurement of the Photon Structure Function $F_2^{(\gamma)}$
- Sahu 95B KEK-95-18;
A High Q^2 Measurement of the Photon Structure Function $F_2^{(\gamma)}$
- Saito 94 Phys. Rev. C49:3211, 1994;
Composite Particle Production in Relativistic Au+Pt, Si+Pt and p +Pt Collisions
- Sakaguchi 90 Phys. Rev. C43:73, 1991; INS-841; HUPD-9019;
 π^0 Decay Process of ^{12}C and ^{11}B Hypernuclei
- Sakai 92 INS-REP-935;
Confirmation of the Reported 330-keV Electron Line in e^+ Th Interaction with Use of Another Kind of Positron Emitter
- Sakai 93 Phys. Rev. C47:1595, 1993;
Confirmation of the Reported 330-keV Electron Line in e^+ Th Interaction with Using the Positron Emitter ^{82}Sr
- Sakai 94 Nucl. Phys. A577:111c, 1994;
Measurement of Quasi-Elastic Scattering and $D_{NN}(0^\circ)$ with (p, n)
- Sakemi 94 Nucl. Phys. A577:33c, 1994;
Spin Excitation Strength from Proton Inelastic Scattering at Zero
- Sakemi 95 Phys. Rev. C51:3162, 1995;
Zero-Degree Proton Inelastic Scattering to the 1^+ , $T = 0$ and $T = 1$ States in ^{12}C
- Sakuda 93 Nuovo Cim. 107A:2389, 1994; KEK-93-124;
New Results from TRISTAN Experiments
- Sakumoto 92 Phys. Rev. D45:3042, 1992;
Measurement of TeV Muon Energy Loss in Iron

- Sakumoto 92B UR-1292; ER-40685-741;
Neutrino Production of Same-Sign Dimuons at the Fermilab Tevatron
- Sakyumoto 94 FERMILAB-CONF-94-265-E;
Test of Structure Functions Using Lepton Pairs: W^\pm -Charge Asymmetry at CDF
- Salgado 91 FERMILAB-CONF-91-225-E;
Jet Rates from Deep Inelastic Muon Scattering in the W Range of 15 to 35 GeV
- Salgado 92 FERMILAB-CONF-92-262-E;
Multi-Jet Production Rates in Deep-Inelastic Muon-Proton Scattering
- Salgado 93 FERMILAB-CONF-93-252-E;
Jet Production in Muon-Proton and Muon-Nuclei Scattering at Fermilab E665
- Salgado 93B FERMILAB-CONF-93-345-E;
Jet Production in Muon Scattering at Fermilab E665
- Salgado 93C FERMILAB-CONF-93-251-E;
Toward a QCD Analysis of Jet Rates in Deep-Inelastic Muon-Proton Scattering
- Saltzberg 93 FERMILAB-CONF-93-355-E;
A Measurement of the W^\pm Mass Using Electrons at CDF
- Salvisberg 92 PSI-PR-92-10;
Pion Absorption in Tritium at Intermediate Energies
- Samoylenko 91 Doklady Akad. Nauk SSSR 318:1367, 1991; IFVE-91-37;
Observation of Reaction $\pi^- p \rightarrow \omega \eta n$ at 38 GeV/c
- Sampsonidis 95 Phys. Rev. C51:3304, 1995;
Fragmentation Cross Sections of ^{16}O , ^{24}Mg and ^{32}S Projectiles at 3.65 GeV/Nucleon
- Sams 95 Phys. Rev. C51:1945, 1995;
Quasifree (deuteron), ^2He Data
- Sandler 92 Z. Phys. C57:1, 1993; WISC-EX-92-324;
Neutrino Production of Same-Sign Dimuons at FERMILAB Tevatron
- Sanghera 92 Phys. Rev. D47:791, 1993; CLNS-92-1156; CLEO-92-5;
Lepton Asymmetry Measurements in $\bar{B} \rightarrow D^*(2010) \ell^- \bar{\nu}$ and Implications for $V-A$ and the Form Factor
- Sangster 95 Phys. Rev. C51:1280, 1995;
Correlations of Intermediate Mass Fragments from Fe+Ta, Au, and Th Collisions
- Sansoni 91 LNF-91-022-P;
 B Physics at CDF
- Sansoni 95 FERMILAB-CONF-95-263-E; CDF-PHYS-BOTTOM-PUBLIC-3270;
Quarkonia Production at Fermilab
- Sapozhnikov 94 Nuovo Cim. 107A:2315, 1994;
Study of the OZI-Rule Violation in Antiproton Annihilation in Deuterium at Rest
- Sapozhnikov 94B JINR-E15-94-501;
Production of ϕ -mesons in nucleon-nucleon-Annihilation
- Sarkisyan 91 Yad. Phys. 53:1336, 1991; LEBD-90-155;
On Maximum Fluctuations of Charged Particles in Narrow Pseudorapidity Intervals in Interactions of C and Cu Nuclei at the Momentum 4.5 GeV/c per Nucleon
- Sarkisyan 92 Yad. Phys. 55:417, 1992; Sov. J. Nucl. Phys. 55:230, 1992;
One- and Two-Dimensional Analysis of Maximum Fluctuations of Charged-Particle Transverse-Momentum Distributions Produced in Central C Cu Nucleus Collisions at 4.5 GeV/c per Nucleon
- Sarkisyan 92B Phys. Lett. 279B:177, 1992;
Maximum Fluctuations in the Two-Dimensional Space of Central C Cu Collisions at 4.5 GeV/c/Nucleon
- Sarkisyan 93 Phys. Lett. 318B:568, 1993;
Fractal Analysis of Pseudorapidity Fluctuations in 4.5 A GeV/c C (Ne,Cu) Central Collisions
- Sarkisyan 93B Yad. Phys. 56-6:211, 1993;
On Fractality in Central Collisions of ^{12}C Nuclei with Ne and Cu Nuclei at 4.5 A GeV/c
- Sarkisyan 93C Phys. Lett. 302B:331, 1993;
Fractality and Fluctuations in Charged Particle Pseudorapidity Distributions in Central C (Ne,Cu) Collisions at 4.5 A GeV/c
- Sarkisyan 95 Phys. Lett. 347B:439, 1995; TBILISI-HE-7-94-E;
On Dynamics of Pseudorapidity Fluctuations in Central C Cu Collisions at 4.5 A GeV/c
- Sarmiento 92 Phys. Rev. D45:2244, 1992;
Inclusive Neutral- D Production in 205 GeV/c π^- Be Interactions
- Sarty 93 Phys. Rev. C47:459, 1993;
Measurement of the Reaction $^3\text{He} (\gamma, 2p) n$ and Its Relation to Three-Body Forces
- Sato 90 Phys. Rev. D44:2220, 1991; KEK-90-166;
Mass Limits for Dark Matter Particles Derived from High-Energy Neutrinos from the Sun
- Saunders 96 Phys. Rev. C53:1745, 1996;
Reaction and Total Cross Sections for Low Energy π^+ and π^- on Isospin Zero Nuclei
- Sawafta 93 Phys. Lett. 307B:293, 1993;
The Influence of the Nuclear Medium on K^+ Total Cross Sections
- Sawyer 91 FSU-HEP-072691;
A Study of the Charge Asymmetry in Hadronic Events Produced in Electron-Positron Collisions at the Z^0 Resonance
- Schafer 91 DESY-F15-91-02;
Measuring the Strength of $B^0 \bar{B}^0$ Oscillations with the ARGUS Detector
- Schaile 92 Z. Phys. C54:387, 1992; CERN-PPE-91-187;
Experimental Limits on M_t and M_H — Present and Future
- Schellman 91B FERMILAB-CONF-91-325-E;
Preliminary Results from FNAL E665 Muon Scattering at Low x_B ;
- Schellman 94 FERMILAB-CONF-94-219-E;
Nuclear A Dependence of Exclusive Vector Meson Production in Muon Scattering
- Schenk 93 BONN-IR-93-1;
Simulation of the Reaction $\gamma + \text{deuteron} \rightarrow p + p + \pi^-$ and Evaluation of the First Measurement of the SAPHIR Detector
- Schmidt 92 Nucl. Phys. A544:449c, 1992; GSI-92-10; CERN-PRE-92-7;
Pion Absorption in Excited Nuclear Matter

Schmidt 92B

Shakhbazyan 92

- Schmidt 92B Jour. of Phys. G 19:1705, 1993; GSI-92-19; CERN-PPE-92-42;
The Physics of Ultrarelativistic Heavy Ion Collisions
- Schmidt 93 Phys. Lett. 300B:313, 1993; GSI-92-53;
Distribution of Ir and Pt Isotopes Produced as Fragments of 1 A GeV ^{197}Au Projectiles : a Thermometer for Peripheral Nuclear Collision
- Schmidt 93B Phys. Rev. Lett. 70:1767, 1993; GSI-92-64;
Electromagnetic Excitation of the Double Giant Dipole Resonance in ^{136}Xe
- Schmidtkaler 94 Phys. Rev. Lett. 70:2261, 1994;
Precision Measurement of the Isotope Shift of the 1S-2S Transition of Atomic Hydrogen and Deuterium
- Schmidtler 95 Nucl. Phys. B, Proc. Suppl B40:265, 1995;
Determination of the Michel Parameters χ and δ in Leptonic τ^\pm Decays
- Schmiedmayer 91 Phys. Rev. Lett. 66:1015, 1991;
Measurement of the Electric Polarizability of the Neutron
- Schmitz 91 MPI-PHE-91-09;
A Review of Experimental Results on Intermittency
- Schneider 93 FERMILAB-CONF-93-271-E;
Average and Individual B Hadron Lifetimes at CDF
- Schneider 93B BONN-IR-93-71;
The Hadronic Final States in Deep Inelastic Electron-Proton Scattering: a Comparison between the 1992 ZEUS and the Theoretical Model
- Schreckenbac 95 Phys. Lett. 349B:427, 1995;
A New Measurements of the Beta Emission Asymmetry in Free Decay of Polarized Neutrons
- Schreiber 92 BONN-IR-93-09;
Research on Multi-Hadron Decay from Z^0 with High-Energy Photons from Quark Bremsstrahlung
- Schroeter 94 Z. Phys. A350:101, 1994;
Subthreshold Antiproton and K^- Production in Heavy Ion Collisions
- Schub 95 Phys. Rev. D52:1307, 1995; Phys. Rev. D53:570, 1996; FERMILAB-PUB-95-058-E;
Measurement of $J/\psi(1S)$ and $\psi(2S)$ Production in 800 GeV/c Proton-Gold Collisions
- Schukraft 91 CERN-PPE-91-137;
Ultra-Relativistic Heavy-Ion Collisions or the Quest for the Quark-Gluon Plasma
- Schumm 92 Phys. Rev. D46:453, 1992; SLAC-PUB-5727;
Measurement of the Charged Multiplicity of Events Containing Bottom Hadrons at $E_{cm} = 91$ GeV
- Schutz 93 BONN-IR-93-15;
Measurement of the Reaction γ deuteron $\rightarrow p n \pi^+ \pi^-$
- Schwalb 94 Phys. Lett. 321B:20, 1994;
Mass Dependence of π^0 -Production in Heavy Ion Collisions at 1 A GeV
- Schwartz 92 PRINCETON-HEP-92-15;
Measurement of $Br(K_L \rightarrow \mu^+ \mu^-)$: Overall Results from BNL E791
- Schwarz 93 MPI-PHE-93-24;
 τ^\pm Physics
- Schwiening 91 BONN-IR-91-42;
Untersuchung zur K_S Produktion mit dem OPAL - Detector: Vergleich von OPAL - Daten mit Monte-Carlo-Simulationen
- Schwiening 95 BONN-IR-95-13;
Eine Studie zur Produktion und Bose - Einstein - Korrelation neutraler Kaonen in Hadronischen Z^0 Zerfallen mit dem OPAL - Detektor
- Schwingenheu 95 Phys. Rev. Lett. 74:4376, 1995;
 CPT Tests in the Neutral Kaon System
- Sefkow 93 CERN-PPE-93-105;
 $B^0 - \bar{B}^0$ Oscillations at LEP
- Seidl 91 Nucl. Phys. A525:299c, 1991;
Low-Mass Dileptons in p nucleus and nucleus nucleus Collisions
- Selen 93 Phys. Rev. Lett. 71:1973, 1993; CLNS-93-1225; CLEO-93-07;
The $D \rightarrow \pi \pi$ Branching Fractions
- Semenov 94 ITEP-94-3;
Recent ARGUS Results on Charm Physics
- Sengupta 91 Mod. Phys. Lett. A6:29, 1991;
Target-Associated Particle Production in Ultrarelativistic Nucleus Nucleus Collisions
- Sengupta 93 Phys. Rev. D48:3174, 1993;
Multifractal Analysis of Nucleus-Nucleus Interactions
- Serin 91 LAL-91-11;
Studies of Rare Kaon Decays in the NA31 Experiment
- Serin 91B LAL-91-16;
Presentation and Study of the Decay of K_L in $\pi^0 \gamma \gamma$ from the NA31 Experiment
- Seth 91 Phys. Rev. Lett. 66:2448, 1991;
Evidence for Dineutrons in Extremely Neutron-Rich Nuclei
- Settles 92 MPI-PHE-92-19;
ALEPH in 1991
- Severijns 93 Phys. Rev. Lett. 70:4047, 1993;
Limits on Right-Handed Charged Weak Currents from a Polarization Asymmetry Correlation Experiment with ^{107}In
- Seviar 91 Phys. Rev. Lett. 66:2569, 1991; TRI-PP-90-90;
Measurement of the $\pi^+ p \rightarrow \pi^+ \pi^+ n$ Cross Section Very Near Threshold and Chiral Symmetry
- Seviar 93 Phys. Rev. D48:3987, 1993;
Experimental Study of the Near Threshold $\pi^+ p \rightarrow \pi^+ \pi^+ n$ Cross Section and Chiral Symmetry
- Seywerd 92 MPI-PHE-92-20;
New Results on τ^\pm Physics from LEP
- Seywerd 93 MPI-PHE-93-22;
Results on B Hadron Lifetime from ALEPH
- Shakhbazyan 91 Kr. Soob. JINR 48:5, 1991;
Multiquark Stable and Metastable States
- Shakhbazyan 92 Kr. Soob. JINR 54:38, 1992;
The Observation of Stable $S = -2$ and $S = -3$ Dibaryons

-
- Shakhbazyan 92B Kr. Soob. JINR 56:57, 1992;
The Observation of the Heavy Stable Positively dibaryon($S = -2$) Dibaryon
- Shakhbazyan 92C Kr. Soob. JINR 54:51, 1992;
The Observation of the Second Heavy Stable Dibaryon ($S = -2$)
- Shakhbazyan 93 Kr. Soob. JINR 58:15, 1993;
One More Weak Decay of the Heavy, Stable, $S = -2$ Positively Charged H^+ Dibaryon
- Shakhbazyan 93B Phys. Lett. 316B:593, 1993; Phys. Lett. 318B:650, 1993;
Evidence for $S = -2$ Neutral H and Positively Charged H^+ Heavy Stable Dibaryons
- Shakhbazyan 94 Nuovo Cim. 107A:2459, 1994;
Evidence for Light dibaryon($S = -2$) and Heavy dibaryon($S = -2$), dibaryon($S = -2$)⁺ Stable $S = -2$ Dibaryons
- Shakhbazyan 95 Kr. Soob. JINR 69:61, 1995;
An Evidence for the Exited State of the $S = -2$ Stable Light Dibaryon
- Shaoshun 95 Phys. Lett. 353B:391, 1995;
The Study of the Azimuthal Structure of Particles Produced in $p p$ Collisions at 400 GeV/c
- Shaw 93 FERMILAB-CONF-93-263-E;
Recent Results on Top, Bottom and Exotic Physics at the Tevatron
- Shaw 95 Phys. Rev. C52:199, 1995;
Negative Pion Photoproduction from ¹⁵Nit in the Region of the Delta Resonance
- Shelkov 93 Phys. Rev. D50:4265, 1994; CLEO-93-19; CLNS-93-1250;
Measurement of Two-Photon Production of the $\chi_{c2}(1P)$
- Shen 93 Nucl. Phys. A551:333, 1993;
Components of Collective Flow and Azimuthal Distributions in ⁴⁰Ar ²⁷Al and ⁴⁰Ar ⁵⁸Ni Collisions below 85 MeV/u
- Sherif 95 Phys. Scr. 51:431, 1995;
Central Collisions of 4.5 GeV/c per Nucleon ¹⁶O and ²⁸Si Nuclei in Nuclear Emulsion
- Shevchenko 92 CALT-68-1831;
Search for Isosinglet Neutral Heavy Lepton with L3 Detector at LEP
- Shevchenko 94 CALT-68-1977;
Search for Rare Z^0 Decays at LEP
- Shibata 93 Phys. Rev. C48:2617, 1993;
Measurements of ¹⁰Be and ²⁶Al Production Cross Sections with 12 GeV Protons by Accelerator Mass Spectrometry
- Shigaki 95 Nucl. Phys. A590:519c, 1995;
Study of Hadron Production in Au Au Collisions at 11 A GeV/c with the AGS-E866 Forward Spectrometer
- Shigin 91 Yad. Phys. 53:653, 1991;
Fission Cross Section of ²⁴²Am by Fast Neutrons and Angular Distributions of Fragments
- Shima 92 Phys. Rev. D47:29, 1993; ANL-HEP-PR-92-45;
Neutron-Proton Elastic Scattering Spin-Spin Correlation Parameter Measurements Between 500 and 800 MeV. 2. C_{ss} and C_{ls} at Forward c.m. Angles
- Shimizu 92 Nucl. Phys. A552:293, 1993; KEK-92-52;
Longitudinal Asymmetry and γ -Ray Angular Distribution in Neutron Radiative Capture Reaction
- Shimizu 95 Phys. Rev. C52:1193, 1995;
Analyzing Power of $p +$ deuteron Scattering below the Deuteron Breakup Threshold
- Shimonaka 91 Phys. Lett. 268B:457, 1991; KEK-91-109;
Measurement of b -Quark Forward-Backward Charge Asymmetry and Axial-Vector Coupling Using Inclusive Muons in $e^+ e^-$ Annihilation at $\sqrt{s} = 52 - 61.4$ GeV
- Shimozawa 92 Phys. Lett. 284B:144, 1992;
Studies of $e^+ e^- \rightarrow \gamma \gamma$ and $e^+ e^- \rightarrow \gamma \gamma \gamma$ Reaction
- Shirai 91 KEK-91-186;
Recent Study of $e^+ e^-$ Interactions below Z^0
- Shirai 92 KEK-92-109;
A High-Sensitivity Search for a 17 keV Neutrino
- Shirai 93 KEK-93-191;
A Light Scalar Top Search by VENUS Detector
- Shirai 94 Phys. Rev. Lett. 72:3313, 1994; KEK-93-189; HUPD-9331; KOBE-HEP-94-02; KUNS-1243; OUHEP-94.2; OULNS-93-08; TMU-HEP-94-2;
Search for a Light Scalar Top in $e^+ e^-$ Reaction at $E_{cm} = 58$ GeV
- Shirakata 91 Phys. Lett. 278B:499, 1992; KEK-91-192;
Measurement of Forward-Backward Charge Asymmetry in the Process of b -Quark Production in $e^+ e^-$ Annihilation around $\sqrt{s} = 60$ GeV
- Shivpuri 91 Phys. Rev. D43:696, 1991;
Study of Nuclear Dependence of Scaling in 800 GeV Proton Interactions with Emulsion Nuclei
- Shivpuri 93 Phys. Rev. D47:123, 1993; Phys. Rev. D48:436, 1993;
Target Dependence of Intermittency and Multifractality of Multiplicity Fluctuations in 800 GeV Proton Emulsion Nuclei Interactions
- Shivpuri 93B Z. Phys. C58:7, 1993;
Self-Similarity in One and Two Dimension of 800 GeV Proton Interactions with AgBr Nuclei
- Shivpuri 93C Z. Phys. C58:419, 1993;
Nuclear Effects in 800 GeV Proton Interactions
- Shivpuri 93D Z. Phys. C59:47, 1993;
Multiplicity Dependence of Intermittency in One and Two Dimensions in Proton Nucleus Interactions at 800 GeV
- Shivpuri 94 Phys. Rev. D49:219, 1994;
Target and Energy Dependence of Intermittency and Multifractality in Interactions at Cosmic Ray Energies
- Shivpuri 94B Z. Phys. C62:609, 1994;
Nuclear Effects in Multiparticle Production in 800 GeV and 400 GeV Proton-Nucleus Interactions
- Shivpuri 94C Phys. Rev. D50:287, 1994;
Fractal Behaviors in Proton-Nucleus Interactions at 800 GeV
- Shivpuri 95 Phys. Rev. C51:1367, 1995;
Multifractal Structure of Medium Energy Particles in p AgBr Interactions at 800 GeV
-

- Shivpuri 95B Z. Phys. C66:403, 1995;
Fractals in One and Two Dimensions of Medium Energy Particles in 800 GeV p AgBr Interactions
- Shmakov 95 Yad. Phys. 58:1735, 1995;
On the Time Scale of Multifragment Emission in ${}^4\text{He} + \text{Au}$ Collisions at $E/A = 3.65$ GeV/Nucleon
- Shochet 94 FERMILAB-CONF-94-276-E;
Physics at the Fermilab Collider
- Shukla 91 Nucl. Phys. B, Proc. Suppl B25:11, 1991; FERMILAB-CONF-91-216;
Measurement of $\bar{p} p$ Elastic Scattering Parameters at $\sqrt{s} = 1.8$ TeV
- Shukla 91B FERMILAB-CONF-91-277;
Measurement of the Ratio of the Real to the Imaginary Part of the Forward Nuclear Amplitude for $\bar{p} p$ Elastic Scattering at $\sqrt{s} = 1.8$ TeV
- Shukla 92 FERMILAB-CONF-92-360;
Recent Results on $L = 1$ Charmed Mesons
- Shukla 92B FERMILAB-CONF-92-139-E;
Charm-Studies in Experiment E687 at FERMILAB
- Shvedov 93 ITEP-93-81;
Experimental and Calculating Research of Cross-Sections of ${}^{59}\text{Co}$ Deep Spallation Reactions Induced by 1.2 GeV Protons. Chapter.1. Experimental Results
- Sibirtsev 91 Yad. Phys. 53:191, 1991;
Antiproton Production in Proton-Nucleus Interactions at 10.1 GeV/c
- Siebert 91 IPNO-T-91-01;
High Resolution Study of the Two-Baryon-System with Strangeness -1 by Means of the Reaction $p p \rightarrow K^+ X$
- Siebert 94 Nucl. Phys. A567:819, 1994;
High Resolution Study of Hyperon-Nucleon Interactions by Associated Strangeness Production in $p p$ Collisions
- Sigg 95 Phys. Rev. Lett. 75:3245, 1995; ETHZ-IPP-PR-95-4;
The Strong Interaction Shift and Width of the $1s$ Level in Pionic Hydrogen
- Silver 92 Nucl. Phys. A543:703, 1992;
Gold Target Fragmentation by 800 GeV Protons
- Sill 92 Phys. Rev. D48:29, 1993; SLAC-PUB-4395;
Measurements of Elastic Electron-Proton Scattering at Large Momentum Transfer
- Simic 92 Phys. Rev. C45:2417, 1992;
Two-Particle Azimuthal Correlations in Light Nuclei Collisions at 4.2 GeV/c per Nucleon
- Simic 95 Phys. Rev. C52:356, 1995;
Centrality Dependence of Pion and Proton Spectra in C+C and C+Ta Interactions at 4.2 GeV/c per Nucleon
- Simon 91 BONN-IR-91-75;
Search for Top and Leptoquarks in the Range of the Z^0 Resonance
- Simon 93 Phys. Rev. C48:662, 1993;
Absolute $p p$ Elastic Cross-Sections from 492 MeV to 793 MeV
- Sinervo 92 UTPT-92-10;
The Search for Physics Beyond the Standard model with CDF
- Singh 91 Phys. Lett. 261B:155, 1991;
A Study of Particle Densities in Rapidity Space in $p p$ Collisions at 360 GeV/c
- Singh 91B Phys. Lett. 261B:160, 1991;
Intermittency Pattern in $p p$ Collisions at 360 GeV/c
- Singh 91C Phys. Rev. C43:2417, 1991;
Characteristics of Helium Fragments Produced in ${}^{28}\text{Si}$ Emulsion Interactions at 14.5 A GeV
- Singh 92 Mod. Phys. Lett. A7:1113, 1992;
Nuclear Multifragmentation and Intermittency
- Singh 92B Z. Phys. A344:73, 1992; UB-HEX-92-05;
Electromagnetic Dissociation of Relativistic Heavy Ions in Emulsion
- Singh 94 Z. Phys. A348:99, 1994;
Production of Helium Fragments in ${}^{197}\text{Au}$ -Emulsion Collisions
- Singh 94B Phys. Rev. C50:2508, 1994;
Multifractal Analysis of ${}^{197}\text{Au}$ -Emulsion Collisions at 10.6 A GeV
- Singh 94C Nucl. Phys. A570:819, 1994;
Some General Characteristics of ${}^{28}\text{Si}$ -Emulsion Interactions at 4.5 GeV/c per Nucleon
- Singovsky 94 Nuovo Cim. 107A:1911, 1994;
The η η Systems Produced in 450 GeV/c Central $p p$ Collisions
- Sirois 93 DESY-93-077-V;
New Results from the H1 Experiment at HERA on Photoproduction, Deep Inelastic Scattering and Searches for New Particles: A Direct Search for New Particles in H1 at HERA
- Skalsey 92 Phys. Rev. Lett. 68:456, 1992;
Search for Three Photon Final State Resonances in Low-Energy $e^+ e^-$ Scattering
- Skalsey 92B Mod. Phys. Lett. A7:2251, 1992;
Tests of CP and CPT with Polarized Positronium
- Skarha 93 FERMILAB-CONF-93-402-E;
 B Lifetimes at CDF
- Skarha 94 FERMILAB-CONF-94-224-E;
 B -Meson Lifetimes at CDF
- Skarha 95 FERMILAB-CONF-95-135-E;
CDF Results on B Decays
- Skorokhvatov 92 Pisma Zh. Eksp. Teor. Fiz. 55:421, 1992;
Search for the Massive Neutrino in the Experiment at the Nuclear Reactor
- Slegt 95 Nucl. Phys. A590:469c, 1995;
Momentum Distributions and Interferometry Analysis of Negatively Charged Hadrons from 200 A GeV S+Au Reactions
- Sliwa 91 FERMILAB-CONF-91-286;
Search for Top Quark at Fermilab Collider
- Slypen 95 Phys. Rev. C51:1303, 1995;
Proton and Deuteron Production in Neutron-Induced Reactions on Carbon at $E_n = 42.5, 62.7, \text{ and } 72.8$ MeV

- Slypen 96 Phys. Rev. C53:1309, 1996;
Triton and Alpha-Particle Production in Neutron-Induced Reactions on Carbon at $E = 42.5, 62.7$ and 72.8 MeV
- Smirnitsky 91 Yad. Phys. 55:1686, 1992; ITEP-91-117;
Cumulative Λ -Particles Production
- Smith 92 Phys. Lett. 283B:155, 1992; CERN-PPE-92-27;
Further Evidence for Pomeron-Quark Interactions: Observation of Large Λ Polarization in $p p \rightarrow (\Lambda K^+) p$
- Smith 92B WISC-EX-92-328;
Neutrino Scattering Results from CCFR
- Smith 92C Yad. Phys. 55:1439, 1992;
Prospects for Neutral Light Quark Meson Spectroscopy Using the Fermilab Antiproton Accumulator
- Smith 93 Phys. Rev. Lett. 70:123, 1993;
Test of the Equivalence Principle for Ordinary Matter Falling Toward Dark Matter
- Smith 93B Phys. Rev. C48:R485, 1993;
Pion Absorption in ${}^4\text{He}$ above the Δ Resonance
- Smith 93C Phys. Rev. C47:1053, 1993;
Pion Double Charge Exchange on ${}^{56}\text{Fe}$ at $T = 400$ MeV
- Smith 94 Nucl. Phys. B, Proc. Suppl B40:351, 1995; COLO-HEP-350;
Studies of Tau Decay Modes with K^0 Mesons from CLEO
- Smith 94B Nuovo Cim. 107A:2163, 1994;
Measurements of the Magnetic Moment of the Σ^+ and $\bar{\Sigma}^-$ Hyperons and Hyperon Radiative Decays
- Smith 94C Nuovo Cim. 107A:2221, 1994;
Polarization of Σ^+ and $\bar{\Sigma}^-$ Hyperons Produced in High-Energy Proton-Nucleus Collisions
- Snow 93 FERMILAB-CONF-93-044-E;
Direct Photon Production from D0
- Snowdeniff 95 Phys. Rev. Lett. 74:4133, 1995;
Limits on Dark Matter Using Ancient Mica
- Sobchak 95 JINR-P1-95-329;
Study of the ${}^4\text{He} p$ Pionless Reactions
- Sobchak 95B Yad. Phys. 58:1017, 1995;
Invariant Differential Cross Sections on Nucleons in ${}^4\text{He} p$ Interactions
- Sokolsky 92 Phys. Rept. 217:225, 1992;
Extremely High Energy Cosmic Rays
- Sollfrank 94 Z. Phys. C61:659, 1994; TPR-93-14;
Chemical Freeze-out Conditions in Central S-S Collisions at 200 A GeV
- Somalwar 92 Phys. Rev. Lett. 68:2580, 1992;
Measurement of the Quadratic Slope Parameter in the $K_L \rightarrow 3\pi^0$ Decay Dalitz Plot
- Song 91 FERMILAB-CONF-91-237-E;
Measurement of $B^0 \bar{B}^0$ Mixing at CDF
- Soni 94 Z. Phys. A348:311, 1994;
Some Characteristics of High Multiplicity (≥ 45) Proton-AgBr Interactions at 800 GeV
- Sonnadara 94 Nucl. Phys. A569:149c, 1994;
Electromagnetic Dissociation of Relativistic Si via Giant Dipole Resonance
- Sopczak 92 CERN-PPE-92-137; L3-NOTE-1245;
Searches for Non-Minimal Higgs Bosons at LEP-I
- Sopczak 92B L3-NOTE-1295;
New Results on Searches for Non-Minimal Higgs Bosons from L3
- Sopczak 92C UMI-93-07215;
Search for Non-Minimal Higgs Bosons in Z^0 Decays with the L3 Detector at LEP
- Sosin 94 Nucl. Phys. A574:474, 1994;
Intermediate-Mass Fragments in ${}^{14}\text{N} + {}^{150}\text{Tb}/\text{Ag}_{\text{nat}}/\text{Cu}_{\text{nat}}$ Reactions at 22 MeV/u
- Sossi 91 TRI-PP-91-47;
Pion Induced Pion Production on Deuterium and Hydrogen
- Sossi 92 Nucl. Phys. A548:562, 1992;
Pion-Induced Pion Production on Deuterium: a Quasifree Process
- Sozzi 93 Phys. Lett. 317B:243, 1993; CERN-PPE-93-128;
Direct Photon Production in $\bar{p} p$ and $p p$ Interactions at $\sqrt{s} = 24.3$ GeV
- Spadafora 94 FERMILAB-CONF-94-016-E;
Study of Associated Gauge Boson Production a D0: $W^\pm \gamma$ Production
- Spanier 94 Nuovo Cim. 107A:2321, 1994;
Partial-Wave Analysis of $\pi \pi \eta$ in $\bar{p} p$ Annihilation at Rest
- Spencer 95 Phys. Rev. Lett. 74:3323, 1995; FERMILAB-PUB-95-043-E;
A Measurement of the Branching Ratio and Form-Factor of $K_L \rightarrow \mu^+ \mu^- \gamma$
- Spengler 94 Nuovo Cim. 107A:2045, 1994;
New Results on Charmed Baryons from ARGUS
- Spentzouris 94 FERMILAB-CONF-94-220-E;
Structure Functions and Structure Functions Ratio $F_2^{(n)}/F_2^{(p)}$ at Small x_B and Q^2 in Muon-Nucleon Scattering
- Sphicas 94 Nucl. Instr. and Meth. A351:68, 1994;
Status of the Search for the Top Quark
- Spiegel 91 FERMILAB-CONF-91-328;
Recent Heavy Flavor Physics Results from Fixed Target Experiments
- Spiro 92 DAPNIA-SPP-92-20;
Solar Neutrino Experiments
- Stahl 91 HEID-PREPRINT;
A Study of Muonic Decays of τ^\pm by ALEPH Detector at LEP
- Stamer 93 Phys. Rev. C47:1647, 1993;
Double Differential Cross Sections for Neutron Emission Induced by 256 MeV and 800 MeV Protons
- Stasko 94 Phys. Rev. Lett. 72:973, 1994;
Radiative Decay of $\Delta(1232 P_{33})$ Resonance: Analyzing Powers for $\pi^- p \rightarrow \gamma n$

- Steinberger 90 Phys. Rept. 203:345, 1991; CERN-PPE-90-149;
First Results at the LEP $e^+ e^-$ Collider
- Steinkamp 94 Nuovo Cim. 107A:2329, 1994;
Results from $\bar{p} p \rightarrow \phi \phi$
- Stenlund 91 LUIP-9106;
Recent EMU01-Results on Fluctuations and Intermittency
- Sterbenz 92 Phys. Rev. C45:2578, 1992;
Inelastic Scattering of Polarized Protons from ^4He at 500 and 800 MeV
- Sterner 93 Phys. Lett. 303B:385, 1993; VPI-IHEP-93-2;
Search for Anomalous $\gamma \gamma$ Production at TRISTAN
- Stocker 95 Nucl. Phys. A590:271c, 1995;
Physics in the Baryon-Rich Regime
- Stoeffl 95 Phys. Rev. Lett. 75:3237, 1995;
Anomalous Structure in the β -Decay of Gaseous Molecular Tritium
- Stoker 91 SLAC-PUB-5605;
Review of Tau Lepton Decays
- Stoks 92 THEF-NYM-92-05;
On the Pion-Nucleon Coupling Constant
- Stoks 93 Phys. Rev. C48:792, 1993;
Partial-Wave Analysis of All Nucleon-Nucleon Scattering Data below 350 MeV
- Stolarczyk 93 DAPNIA-SPP-93-06;
GALLEX: Results, Status and Future
- Stone 93 HEPHY-93-4;
Hadronic B Decays
- Strakovskii 91 Fiz. Elem. Chastits At. Yadra 22:615, 1991;
Dibaryons and Thresholds
- Strassburger 94 Nuovo Cim. 107A:2339, 1994;
Antiproton Annihilation at Rest in Liquid Deuterium into $\pi^- \pi^0 \pi^0 p_s$
- Straub 92 Phys. Rev. D45:3030, 1992;
Particle Ratios of High- x_T Hadrons in $p A$ Interactions at $\sqrt{s} = 38.8$ GeV
- Straub 92B Phys. Rev. Lett. 68:452, 1992;
Nuclear Dependence of High- x_t Hadron and High- τ Hadron-Pair Production in $p A$ Interactions at $\sqrt{s} = 38.8$ GeV
- Streets 89 Phys. Rev. Lett. 66:864, 1991; FERMILAB-PUB-89-42-E;
Atomic Weight Dependence of the Production of Hadron Pairs from 800 GeV/c Protons on Nuclear Targets
- Streets 93 FERMILAB-CONF-93-349-E;
A Search for Rapidity Gap Events in $p \bar{p}$ Collisions at D0
- Streets 95 FERMILAB-CONF-95-116-E;
Jet Shapes at D0 and CDF
- Strohmer 94 Nuovo Cim. 107A:2055, 1994;
A Test of the Flavor Independence of the Strong Interaction for Five Flavors
- Strongin 91 Phys. Rev. D43:2778, 1991;
Study of Opposite-Sign Dimuon Production in High-Energy Neutrino-Nucleon Interactions
- Strovink 95 FERMILAB-CONF-95-189-E; D0-2611;
D0 Top Quark Mass Analysis
- Strugalskago 94 JINR-E1-94-296;
Observations of Fast Hadron Passages through Intranuclear Matter
- Strugalski 91 JINR-E1-91-146;
Hadrons in Statu Nascendi
- Strugalski 91B JINR-E1-91-243;
Matter Density Distribution in Atomic Nuclei as Illuminated by High Energy Hadrons
- Strugalski 91C JINR-E1-91-490;
Intensity of the Neutron Emission from Nuclei, Induced by High Energy Hadronic Projectiles
- Strugalski 92 JINR-E1-92-69;
Characteristics of the Pion Production and Nucleon Emission Processes in Pion-Carbon Nuclear Collisions at 40 GeV/c
- Strugalski 92B JINR-E1-92-68;
Characteristics of the Pion Production and Proton Emission Processes in Proton-Carbon Nuclear Collisions at 4.2 GeV/c Momentum
- Strugalski 92C JINR-E1-92-133;
The Mean Characteristics of the Pion Production and Nucleon Emission Processes in Pion-Carbon Nuclear Collisions at 40 GeV/c Momentum
- Strugalski 93 JINR-E1-93-419;
Characteristics of Gamma-Quanta Emission Process in $\pi^- + \text{Xe}$ Nuclear Collisions at 3.5 GeV/c Momentum
- Stuart 93 SLAC-PUB-6316;
The $\Delta(1232 P_{33})$ Resonance Transition Form Factor
- Stuart 93B SLAC-PUB-6235;
The NE-11 Experiment at SLAC and the Neutron Form-Factors
- Stuart 94 Phys. Rev. D49:3098, 1994;
Forward Backward Charge Asymmetry of Quark Pairs Produced at the KEK TRISTAN $e^+ e^-$ Collider
- Stubbs 93 Phys. Rev. Lett. 70:119, 1993;
Experimental Limit on Any Long Range Nongravitational Interaction between Dark and Ordinary Matter
- Stugu 95 Nucl. Phys. B, Proc. Suppl B40:289, 1995;
Upper Limit on the Decays $\tau^\pm \rightarrow e^\pm \gamma$ and $\tau^\pm \rightarrow \mu^\pm \gamma$ Using Data from DELPHI
- Stuttge 92 Nucl. Phys. A539:511, 1992;
Energy Dumping and Intermediate-Velocity Fragment Emission in Peripheral Kr+Au Collisions at 43 MeV/u
- Su 92 SLAC-PUB-5972;
A Preliminary Measurement of $R_b = \Gamma(Z^0 \rightarrow b \bar{b})/\Gamma(Z^0 \rightarrow \text{Hadrons})$ at SLD
- Su 94 Phys. Rev. D50:3614, 1994; Phys. Rev. D51:3135, 1995;
New Tests of the Universality of Free Fall

- Sudov 93 Nucl. Phys. A554:223, 1993;
Production of Light Particles After Antiproton-Nucleus Annihilation and Their Interpretation with Statistical Models
- Sugimoto 95 Phys. Lett. 369B:86, 1996; KEK-95-171;
New Limits on the Masses of the Selectron and Photino
- Summerer 95 Phys. Rev. C52:1106, 1995;
Charge-Pickup Processes in Relativistic Heavy-Ion Reactions
- Supek 93 Phys. Rev. D47:1762, 1993;
Spin-Rotation Parameters A and R for $\pi^+ p$ and $\pi^- p$ Elastic Scattering from 427 to 657 MeV/c
- Sur 91 Phys. Rev. Lett. 66:2444, 1991; LBL-30109;
Evidence for the Emission of a 17-keV Neutrino in the β Decay of ^{14}C
- Suzuki 90B Phys. Rev. D43:3557, 1991; KEK-90-51;
Constraints on Dirac-Type Neutrino Magnetic Moment from ^{37}Cl and KAMIOKANDE-II Solar Neutrino Observation
- Suzuki 91 Phys. Lett. 257B:27, 1991;
Negative Pion Production in Subthreshold Heavy Ion Collisions
- Suzuki 91B ICRR-234-91-3;
A Search for Dark Matter in the KAMIOKANDE-II
- Suzuki 91C KEK-91-187;
KAMIOKANDE Solar Neutrino Experiment and Solar Neutrino Problem
- Suzuki 93 KEK-93-96;
Solar Neutrinos, Atmospheric Neutrinos and Proton Decays in KAMIOKANDE
- Suzuki 93B Phys. Lett. 311B:357, 1993;
Study of Invisible Nucleon Decay $n \rightarrow 2\nu \bar{\nu}$ and a Forbidden Nuclear Transition in the Kamiokande Detector
- Suzuki 93C DPNU-93-40;
Recent results from TRISTAN at KEK
- Suzuki 93D Phys. Rev. C47:2673, 1993;
Search for a Bound State of a Negative Pion and Neutrons in $^{16}\text{O} + \text{Be}$ Collisions
- Suzuki 95 Phys. Rev. Lett. 75:3241, 1995; RIKEN-AF-NP-204;
Neutron Skin of Na Isotopes Studied via Their Interaction Cross Section
- Svec 91 Phys. Rev. D45:55, 1992; MCGILL-91-09;
Amplitude Analysis of Reaction $\pi^+ n \uparrow \rightarrow \pi^+ \pi^- p$ at 5.98 and 11.85 GeV/c
- Svec 91B Phys. Rev. D45:1518, 1992; MCGILL-91-16;
Amplitude Analysis of Reaction $K^+ n \uparrow \rightarrow K^+ \pi^- p$ at 5.98 GeV/c
- Svec 92 Phys. Rev. D46:949, 1992; MCGILL-92-02;
On the Evidence for a Scalar State $I = 0 \ 0^{++}(750)$ from the Measurements of π nucleon $\uparrow \rightarrow \pi^+ \pi^-$ nucleon on Polarized Target at 5.98, 11.85 and 17.2 GeV/c
- Svec 93 PRINT-93-0408;
Spin Structure of ρ^0 Production in $\pi^+ n \uparrow \rightarrow \pi^+ \pi^- p$ on Transversely Polarized Target
- Svec 93B PRINT-93-0310;
Hadron Spectroscopy Using Measurements with Spin
- Swartz 93 SLAC-PUB-6034;
First Measurement of the Left-Right Z^0 Cross Section Asymmetry in Polarized $e^+ e^-$ Collisions at the SLC
- Sykora 95 Phys. Rev. C51:2765, 1995;
No Evidence for a 17 keV Neutrino in the Electron-Capture Decay ^{55}Fe
- Szarka 93 Phys. Rev. D47:784, 1993;
 Σ^- Nucleus Interactions in Emulsion at 350 GeV
- Taddeucci 94 Nucl. Phys. A577:105c, 1994;
Nuclear Isovector Spin Responses from (p, n) Reactions at 494 MeV
- Tadokoro 94 Nucl. Phys. A575:333, 1994;
The $(e^-, e^- p)$ Coincidence Cross Section for ^{12}C at Transfer Energy of 40 MeV
- Takahashi 91 Nucl. Phys. A525:591c, 1991;
Study of Correlations of Positive and Negative Charged Particles
- Takahashi 95 Phys. Rev. C51:2542, 1995; JNS-1092; KUNS-1321;
 π^- ^{12}C Elastic Scattering above the $\Delta(1232 P_{33})$ Resonance
- Takaki 93 Phys. Rev. Lett. 71:38, 1993; KEK-92-220;
Particle Spectrum in Gluon Jets Produced in $e^+ e^-$ Annihilations at \sqrt{s} Around 58 GeV
- Taketani 94 FERMILAB-CONF-94-017-E;
Lepton Charge Asymmetry from W^\pm Decay and Search for New Gauge Bosons at D0
- Tanaka 91 Phys. Lett. 277B:215, 1992; KEK-91-14; AMY-91-1;
Evidence for Hard Scattering of Hadronic Constituents of Photons in Photon-Photon Collisions at TRISTAN
- Tanaka 92 KEK-92-37;
A Study of the Hadron Production in $\gamma \gamma$ Collisions with AMY Detector
- Tanaka 93 Phys. Rev. D48:5412, 1993;
Limits on Single and Double Majoron Emission Processes in Neutrinoless Double β Decays of ^{100}Mo
- Tanaka 94 Nucl. Phys. A583:581c, 1995; KEK-94-70;
Energy Spectra and Angular Distribution of Intermediate Mass Fragments Emitted in Au/Ag(p, X) Reactions with $E_p = 12$ GeV (The first result of the KEK - 12 GeV - PS Experiments: E288)
- Tannenbaum 94 Mod. Phys. Lett. A9:89, 1994;
Negative Binomial Fits to Multiplicity Distributions from Central $^{16}\text{O} + \text{Cu}$ Collisions at 14.6 GeV/c and their Implication for "Intermittency"
- Tao 95 Z. Phys. C70:387, 1996; SLAC-PUB-95-6737;
Precision Measurement of $R = \sigma_L/\sigma_T$ on Hydrogen, Deuterium and Beryllium Targets in Deep Inelastic Electron Scattering
- Tariq 94 Nuovo Cim. 107A:2687, 1994;
Angular Distribution of Slow and Relativistic Charged Particles Produced in Silicon and Carbon Emulsion Interactions at 4.5 A GeV/c
- Tatishcheff 92 Phys. Rev. C45:2005, 1992;
Measurement of the p (deuteron, $p p$) X Reaction and Possible Evidence for a Structure at $M_{pp} = 1045$ MeV

Tatishvili 92

Trischuk 91

- Tatishvili 92 Yad. Phys. 55:1512, 1992;
Narrow Baryonia with Open and Hidden Strangeness
- Tauchi 93 KEK-93-105;
Inclusive Jet Measurements in $\gamma\gamma$ Collisions at TRISTAN and Estimation of Mini-Jets for Future Linear Colliders
- Tauchi 94 KEK-94-67;
Inclusive Jet Measurements in $\gamma\gamma$ Collisions at TRISTAN
- Tauseef 92 Phys. Rev. C46:1483, 1992;
Forward-Backward Multiplicity Correlations in 4.5 GeV/c Silicon-Nucleus Interactions
- Tedeschi 94 Phys. Rev. Lett. 73:408, 1994;
Exclusive Photodesintegration of ^3He with Polarized Photons
- Teitelbaum 92 LBL-32812;
Charged Particle Spectra in $^{32}\text{S} + ^{32}\text{S}$ Interactions at 200 GeV/Nucleon from CCD-Imaged Nuclear Collisions in a Streamer Chamber
- Tenchini 93 INFN-PI-AE-93-14;
Electroweak b Physics at LEP
- Tenner 91 Nuovo Cim. 105A:1001, 1992; NIKHEF-H-91-22;
Rescattering in $\nu/\bar{\nu}$ -Deuteron Reactions
- Terranova 94 Phys. Scr. 49:267, 1994;
Total Nuclear Photoabsorption Cross Section in the Range 0.2–1.0 GeV for Nuclei throughout the Periodic Table
- Terrien 92 Phys. Lett. 294B:40, 1992;
Full Phase Space Measurement of the $n\uparrow p \rightarrow p p \pi^-$ Reaction Analysing Power Using a Free Polarized Neutron Beam from 573 to 1134 MeV
- Tesch 91 BONN-IR-91-69;
Determination of the Momentum Distribution in Charged Hadrons from Z^0 Decays by Means of dE/dx Measurements in the Jet Chamber of the OPAL Detector
- Tesch 95 BONN-IR-95-27;
Measurement of the Fragmentation Functions of Charged Hadrons and Search for Lepton Number Violating Z^0 Decays
- The 91 Phys. Rev. Lett. 67:173, 1991;
Measurement of Tensor Polarization in Elastic Electron-Deuteron Scattering in the Momentum-Transfer Range $3.8 < Q < 4.6$ 1/fm
- Thompson 92 Phys. Rev. Lett. 68:2901, 1992; Phys. Rev. Lett. 69:391, 1992;
Quasielastic Scattering of Polarized Electrons from Polarized ^3He and Measurement of the Neutron's Form Factor
- Thompson 95 FERMILAB-CONF-95-106-E;
Observation of the Top Quark
- Thomson 91 Phys. Lett. 269B:220, 1991;
The Observation of Underground Muons from the Direction of Cygnus X-3 During the January 1991 Radio Flare
- Thomson 94 Phys. Lett. 337B:411, 1994;
Measurement of the Amplitude of the CP Conserving Decay $K_S \rightarrow \pi^+ \pi^- \pi^0$
- Thorne 92 FERMILAB-CONF-92-174;
Update on Hadroproduced Charm at TPL
- Thron 92 Phys. Rev. D46:4846, 1992; ANL-HEP-PR-92-49; PDK-522;
A Search for Magnetic Monopoles with the SOUDAN-2 Detector
- Thron 92B PDK-531; ANL-HEP-CP-92-85;
Results from the Soudan 2 Detector
- Ticona 93 Pisma Zh. Eksp. Teor. Fiz. 57:323, 1993;
A Search for Diffuse Emission of UHE Gamma-Rays in Southern Sky from Observation of Hadron-less Air Shower
- Timm 94 Phys. Rev. D51:4638, 1995; FERMILAB-PUB-94-346-E;
Measurement of the Branching Ratio and Asymmetry Parameter for the $\Sigma^+ \rightarrow p \gamma$ Radiative Decay
- Timmermans 91 Phys. Rev. Lett. 67:1074, 1991; THEF-NYM-90-13;
Determination of the Charged Pion Coupling Constant from Data on the Charge Exchange Reaction $\bar{p} p \rightarrow \bar{n} n$
- Timmermans 94 Phys. Rev. C50:48, 1994; THEF-NYM-93-02;
Antiproton-Proton Partial Wave Analysis below 925 MeV
- Ting 93 CERN-PPE-93-34;
New Results from LEP Experiments
- Todorovic 93 Z. Phys. A345:53, 1993;
Production of Fragments with $A \geq 16$ in Interactions of 6.3 GeV Deuterons with Th, Bi, Au and Ag
- Tollestrup 94 FERMILAB-CONF-94-419-E;
The Top ... is it There? A Survey of the CDF and D0 Experiments
- Tomizawa 94 Phys. Lett. 328B:264, 1994; KEK-94-20;
A Hyperon Production at Backward Angles in the Reaction $\pi^- ^6\text{Li} \rightarrow \Lambda X$ at 4 GeV/c
- Tonwar 91 Phys. Rev. Lett. 67:2248, 1991;
Detection of Ultrahigh-Energy Radiation from Scorpius X-1: Ooty Observations During 1984 – 1987
- Tornow 91 Phys. Lett. 257B:273, 1991;
The Low Energy Neutron-Deuteron Analyzing Power and $^3P_{0,1,2}$ Interactions of Nucleon-Nucleon Potentials
- Totsuka 91 Rep.Prog.Phys. 55:377, 1992; ICRR-237-91-6;
Neutrino Astronomy
- Totsuka 92 ICCR-264-92-2;
Solar and Atmospheric Neutrinos Observed at KAMIOKANDE
- Totsuka 92B ICRR-284-92-22;
Atmospheric Neutrinos, Updated Results
- Tretyak 95 KEK-94-189;
Tables of the Results of 2β Decays Research
- Trippe 93 LBL-34294;
 B Production at D0
- Trischuk 91 CERN-PPE-91-128;
 B and D Lifetimes at LEP

- Trischuk 92 CERN-PPE-92-197;
A Review of the τ^\pm Lifetime
- Troyan 90 Yad. Phys. 54:1301, 1991; JINR-P1-90-78;
Search for Narrow Diproton Resonances in the Reactions $n p \rightarrow p p \pi^-$ and $n p \rightarrow p p \pi^- \pi^0$ at Momenta of $P_n = 1.43, 1.72, 2.23$ and 3.83 GeV/c
- Troyan 93 Yad. Phys. 56-4:191, 1993; JINR-P1-92-290;
Narrow Diproton Resonances in $n p$ Interactions at $0.6 - 5$ GeV
- Troyan 94 Kr. Soob. JINR 67:67, 1994;
Narrow Dibaryon Resonances with Isotopic Spin $I = 2$
- Troyan 94B Kr. Soob. JINR 68:51, 1994;
Energy Spectra of γ Quanta from deuteron Propane Interactions at Momentum $P_d = 1.25$ GeV/c per Nucleon
- Trzaska 91B Phys. Lett. 269B:54, 1991;
Search for Resonant Electron-Positron Annihilation-in-Flight
- Trzaska 91C Z. Phys. A340:325, 1991; HD-PY-91-2;
Excitation of the $\Delta(1232 P_{33})$ -Resonance in Proton-Nucleus Collisions
- Tsang 93 Phys. Rev. Lett. 71:1502, 1993;
Onset of Nuclear Vaporization in $^{197}\text{Au} + ^{197}\text{Au}$ Collisions
- Tserruya 95 Nucl. Phys. A590:127c, 1995; CERN-PPE-95-52;
Summary of Low Mass Dilepton and Direct Photon Results
- Tsertos 91 Phys. Lett. 266B:259, 1991; GSI-91-21;
Experimental Exclusion of Neutral Resonances in Bhabha Scattering at MeV Energies
- Tsertos 91B Z. Phys. A342:79, 1992; GSI-91-22;
Systematic Studies of Positron Production in Heavy-Ion Collisions near the Coulomb Barrier
- Tsuboyama 92 KEK-92-172;
Recent Results from TRISTAN
- Tsunoda 95 Eur. Lett. 30:273, 1995;
A Search for Back-to-Back $e^+ e^-$ Pairs in the Spontaneous-Fission Disintegration of ^{252}Cf
- Tuan 92 Mod. Phys. Lett. A7:3527, 1992; UH-511-734-91-REV;
The Strategic 1P_1 States of Heavy Quarkonia
- Tuccillo 94 Nucl. Phys. A580:253, 1994;
Measurement of the Analyzing Power A_y in Neutron-Proton Radiative Capture at $E_n = 68$ MeV
- Tufail 91 Int. Jour. Mod. Phys. A6:929, 1991;
Particle Production in π^- Nucleus Collisions at 340 GeV/c
- Tufail 92 Nuovo Cim. 105A:439, 1992;
A Study of Pion-Nucleon Interactions in Emulsion
- Turchanovich 93 Yad. Phys. 56-10:116, 1993; IFVE-93-8;
High- pt Inclusive Hadron Production in $\pi^- p$ Collisions at 40 GeV and Angles $49^\circ \leq \theta_{cm} \leq 93^\circ$
- Turkevich 91 Phys. Rev. Lett. 67:3211, 1991;
Double β Decay of ^{238}U
- Turner 91 RALT-126;
Tests of QCD at the Z^0 Resonance
- Tyapkin 91 Nucl. Phys. B, Proc. Suppl B25:52, 1991;
Partial Wave Analysis of the $K^- \pi^- \pi^+$ System Diffractively Produced on Nuclei at 40 GeV
- Tzamarias 90 Phys. Rev. D48:5067, 1993; FERMILAB-PUB-90-63-E;
 $J/\psi(1S)$ Production in \bar{p} nucleon and π^- nucleon Interactions at 125 GeV/c and a Determination of the Gluon Structure Functions of the \bar{p} and the π^-
- Uehara 91 Phys. Lett. 266B:188, 1991; KEK-91-56; HUPD-9109; KUNS-1073; OULNS-91-02; TMUP-HEP-91-11;
Search for $\chi_{c2}(1P)$ Production in Two-Photon Processes
- Uehara 93 Z. Phys. C63:213, 1994; KEK-93-142;
Measurement of Open Charm Production in Two-Photon Processes with Detection of Electron-Inclusive Events
- Uehara 95 Z. Phys. C69:597, 1996; KEK-95-98; HCMT-9501; KOBE-HEP-95-05; KUNS-1358; OUHEP-95-2; OULNS-95-01; TMU-HEP-95-11;
Study of Inclusive Baryon-Antibaryon Pair Production of p or Λ in Two Photon Processes
- Ukegawa 95 FERMILAB-CONF-95-234-E; CDF-PUB-BOTTOM-PUBLIC-3267;
Measurement of the B^- and \bar{B}^0 Meson Lifetimes Using Semileptonic Decays
- Unal 91 LAL-91-13;
Measurement of the W^\pm Mass with UA2
- Urheim 94 CALT-68-1945;
New results from CLEO-II on Hadronic Decays of the Tau Lepton
- Uribe 94 Phys. Rev. D49:4373, 1994; UMHEP-PUB-401; NEVIS-1497; FERMILAB-PUB-93-356;
Pion-Pion Correlations at Low Relative Momentum Produced in $p p$ Collisions at 27.5 GeV/c
- Usher 92 Phys. Rev. D45:3961, 1992; SLAC-PUB-5726;
A Precision Measurement of the Branching Ratio $K^+ \rightarrow \pi^+ \pi^0 / K^+ \rightarrow \mu^+ \nu_\mu$
- Vagins 93 Phys. Rev. Lett. 71:35, 1993;
Measurement of the Branching Ratio for $K_L \rightarrow e^+ e^- e^+ e^-$
- Vallee 93 DESY-93-077-IV;
New Results from the H1 Experiment at HERA on Photoproduction, Deep Inelastic Scattering and Searches for New Particles: First Measurement of the Proton F_2 Structure Function at HERA
- Vandenbrandt 95 Phys. Rev. D52:4868, 1995;
Evidence for Virtual Compton Scattering from the Proton
- Vandenbrink 95 Phys. Rev. Lett. 74:3561, 1995;
Neutral-Pion Electroproduction on the Proton near Threshold
- Vandewiele 94 Phys. Rev. C50:2935, 1994;
Experiment Survey of the (deuteron, ^3H) Reaction at $E_{\text{deuteron}} = 200$ MeV
- Vane 92 Phys. Rev. Lett. 69:1911, 1992;
Electron-Positron Pair Production in Coulomb Collisions of Ultrarelativistic Sulphur Ions with Fixed Targets
- Vanhecke 91 Nucl. Phys. A525:227c, 1991;
Measurement of Kaons in the HELIOS Experiment

- Vanoers 93 TRI-PP-93-59;
TRIUMF Parity Violation Experiments: Possible Extensions to Higher Energies
- Vanstekelemb 93 Phys. Rev. D48:4504, 1993;
Search for Point Sources of Ultrahigh Energy γ Rays in the Southern Hemisphere with the South Pole Air Shower Experiment
- Varkovitskay 93 Pisma Zh. Eksp. Teor. Fiz. 57:451, 1993; JETP Lett. 57:469, 1993;
Energy Spectra of Primary Protons and Nuclei at the Energy Range of 10 – 100 TeV/Particle
- Vartapetyan 95 Yad. Phys. 58:779, 1995;
Electron Scattering by ^{12}C Nuclei and the Coulomb Sum Rule at Momentum Transfers $|Q| \leq 700$ MeV/c
- Vasiliev 95 Pisma Zh. Eksp. Teor. Fiz. 61:353, 1995;
Experimental Search for Double Beta-Decay of ^{96}Zr to Exited Levels of ^{96}Mo
- Vassiliadis 95 Nucl. Phys. A590:139c, 1995;
First Results from the 1994 Lead Beam Run of WA97
- Vavilov 94 Yad. Phys. 57:1449, 1994; IFVE-94-6;
Study of the Reaction $p + \text{nucleon} \rightarrow [\Sigma^0 K^+] + \text{nucleon}$ at $E_p = 70$ GeV
- Vavilov 94B Yad. Phys. 57:2046, 1994; IFVE-93-138;
Investigation of Diffraction Process $p + \text{nucleon} \rightarrow p p \bar{p} + \text{nucleon}$ and $p + \text{nucleon} \rightarrow p p \bar{p} \pi^0 + \text{nucleon}$ at $E_p = 70$ GeV
- Vavilov 94C Yad. Phys. 57:241, 1994; IFVE-93-5;
Search for Heavy Pentaquark Exotic Baryons with Hidden Strangeness in the Reaction $p \text{ nucleon} \rightarrow (p \phi) \text{ nucleon} + p \text{ nucleon} \rightarrow (\Lambda(1520) D_{03}) K^+$ nucleon at $E_p = 70$ GeV
- Vavilov 95 Yad. Phys. 58:1426, 1995;
Study of Coherent Diffractive Reactions $p C \rightarrow [\Sigma(1385) P_{13}]^0 K^+ + C$ and $p C \rightarrow [\Sigma^0 K^+] + C$ and Search for Exotic Baryons
- Vavilov 95B IFVE-95-143;
Study of Quark Line Selection Rule (OZI Rule) in Hadron Processes. 3. Study of the OZI Rule in Production of ϕ and ω Mesons in Diffractive p nucleon Interactions at the Energy of 70 GeV
- Vavilov 95C IFVE-95-138;
Further Study of the Quasi-Exclusive Reaction of the Neutral Meson Production by 70 GeV Protons in p nucleon Interactions in the Deep Fragmentation Region
- Vejcik 92 FERMILAB-CONF-92-361-E;
Measurement of the Bottom Quark Cross Section in $\bar{p} p$ Collisions Using the Exclusive Decay $B^0 \rightarrow J/\psi(1S) K^*(892)^0$
- Velev 93 JINR-E1-93-305;
New Determination of V_{us} from K_{e3}^+ Decay
- Velissaris 94 Phys. Lett. 331B:227, 1994; KEK-94-28; AMY-94-1;
Measurements of Cross-Section and Charge Asymmetry for $e^+ e^- \rightarrow \mu^+ \mu^-$ and $e^+ e^- \rightarrow \tau^+ \tau^-$ at $\sqrt{s} = 57.8$ GeV
- Venema 92 Phys. Rev. Lett. 68:135, 1992;
Search for a Coupling of the Earth's Gravitational Field to Nuclear Spins in Atomic Mercury
- Venema 93 Phys. Rev. Lett. 71:835, 1993;
Azimuthal Asymmetry of Neutral Pion Emission in Au + Au Reactions at 1 GeV/Nucleon
- Verkerk 91 DPHPE-91-20;
Search for Superheavy Hydrogen in Sea Water
- Verluyten 91 Phys. Lett. 260B:456, 1991;
Study of Factorial Moments in Neutrino Charged Current Interactions on Neon and Deuterium
- Verma 94 Phys. Rev. C50:2963, 1994;
Scaling of Multiplicity Fluctuations in 800 GeV Proton Nucleus Interactions
- Vetter 95 Phys. Rev. Lett. 74:2658, 1995;
Precise Test of Electroweak Theory from a New Measurement of Parity Nonconservation in Atomic Thallium
- Vetterli 92 Nucl. Phys. A548:541, 1992;
 $\pi^+ \pi^-$ Coincidence Measurement in the $^4\text{He} (\pi^+, \pi^+ \pi^-)$ Reaction at $T_{\pi^+} = 280$ MeV
- Victorov 95 IFVE-95-107;
Study of Quark Line Selection Rule (OZI Rule) in Hadron Processes. 2. Search for the OZI Suppressed Decay $B/b_1(1235) \rightarrow \phi \pi^0$
- Victorov 95B IFVE-95-106;
Study of Quark Line Selection Rule (OZI Rule) in Hadron Processes. 1. Charge-Exchange OZI Suppressed Reaction $\pi^- p \rightarrow \phi n$ at $P_{\pi^-} = 32$ GeV/c
- Vidyakin 91 Jour. of Mosc. Phys. Soc. 1:85, 1991;
Interactions of Reactor Antineutrinos and Constraints on Neutrino Oscillations Parameters
- Vidyakin 92 Pisma Zh. Eksp. Teor. Fiz. 55:212, 1992;
Limitations on the Magnetic Moment and Charged Radius of the Electron Antineutrino
- Vidyakin 94 Pisma Zh. Eksp. Teor. Fiz. 59:364, 1994;
Limits on the Neutrino Oscillation Parameters
- Vignaud 95 DAPNIA-SPP-95-06;
The Solar Neutrino Problem After the GALLEX Artificial Neutrino Source Experiment
- Vilain 92 Phys. Lett. 281B:159, 1992; CERN-PPE-92-43;
Neutral Current Coupling Constants from Neutrino- and Antineutrino-Electron Scattering
- Vilain 93 Phys. Lett. 302B:351, 1993; CERN-PPE-93-13;
Measurement of Differential Cross Sections for Muon-Neutrino Electron Scattering
- Vilain 93B Phys. Lett. 320B:203, 1994; CERN-PPE-93-186;
Flavour Universality of Neutrino Couplings with the Z^0
- Vilain 93C Phys. Lett. 313B:267, 1993; CERN-PPE-93-112;
Coherent Single Charged Pion Production by Neutrinos
- Vilain 94 Phys. Lett. 335B:246, 1994; CERN-PPE-94-124;
Precision Measurement of Electroweak Parameters from the Scattering of Muon Neutrinos on Electrons
- Vilain 94B Z. Phys. C64:539, 1994; CERN-PPE-94-138;
Search for Muon to Electron Neutrino Oscillations
- Vilain 94C Phys. Lett. 345B:115, 1995; CERN-PPE-94-190;
Experimental Study of Electromagnetic Properties of the Muon Neutrino in Neutrino Electron Scattering

- Vilain 94D Phys. Lett. 332B:465, 1994; CERN-PPE-94-080;
Constraints on Additional Z^0 Bosons Derived from Neutrino Electron Scattering Measurements
- Vilain 95 Phys. Lett. 343B:453, 1995; Phys. Lett. 351B:387, 1995;
Search for Heavy Isosinglet Neutrinos
- Vilain 95B Phys. Lett. 364B:121, 1995; CERN-PPE-96-001;
A Precise Measurement of the Cross Section of the Inverse Muon Decay $\nu_\mu e^- \rightarrow \mu^- \nu_e$
- Vildanova 94 Izv. Akad. Nauk SSSR, Fiz. 58-12:79, 1994;
The Primary Cosmic Ray Energy Spectrum and Its Peculiarities at Energies above 10^{18} eV According the Size Spectrum Data at Tein-Shan Level
- Vildanova 94B Yad. Phys. 57:2231, 1994;
The Pecularity of the Extensive Air Showers Size Spectra an the Mountain Level and Their Connection with the Primary Cosmic Energy Spectrum at Energies above 10^{17} eV
- Villari 91 Phys. Lett. 268B:345, 1991;
Measurement of Reaction Cross Sections for Neutron-Rich Exotic Nuclei by a New Direct Method
- Villari 93 Phys. Rev. Lett. 71:2551, 1993;
Search for Color van der Waals Force in $^{208}\text{Pb}+^{208}\text{Pb}$ Mott Scattering
- Vinitzky 91 Yad. Phys. 54:1636, 1991; Sov. J. Nucl. Phys. 54:1002, 1991;
Multiparticle Azimuthal Correlations in Carbon-Carbon Interactions at 4.2 GeV/c per Nucleon
- Virchaux 92 DAPNIA-SPP-92-30;
Nucleon Structure Functions
- Viryasov 91B JINR-P1-91-455;
 π -Meson Production in the Interaction of Deuterons at 1 GeV per Nucleon with Carbon and Beryllium Extended Targets
- Viryasov 92 JINR-P1-92-286;
 π -Meson Production in the Interaction of Deuterons and Alpha-Particles with Carbon and Beryllium Extended Targets at 1.0, 2.0 and 3.3 GeV per Nucleon
- Vishnevsky 94 Yad. Phys. 57:1046, 1994;
Polarization of Λ -Hyperons in n C and n Pb Interactions at 4–10 GeV/c
- Viyogi 94 Nucl. Phys. A566:623c, 1994;
Photon Multiplicity Measurements in Nucleus-Nucleus Collisions at 200 A GeV
- Vlasov 92 Yad. Phys. 55:2468, 1992;
Correlations between Two π^+ Mesons and between π^+ Meson and Cumulative Baryons in Proton-Nucleus Interactions at 7.5 GeV/c
- Vlasov 95 Yad. Phys. 58:669, 1995;
Analysis of Cumulative Particle Correlation Data
- Vo 94 Phys. Rev. C49:1551, 1994;
Search for Resonance in Multiphoton Final States from Low-Energy $e^+ e^-$ Scattering
- Voevodsky 93 Izv. Akad. Nauk SSSR, Fiz. 57-4:117, 1993;
Primary Cosmic Ray Chemical Composition at Energies of 10^{15} – 10^{16} eV as Measured by Baksan Neutrino Observation Group
- Voitsekhovsk 92 NOVO-92-19;
Measurement of the Tensor Analyzing Power T_{20} and T_{22} in the Deuteron Photodisintegration
- Vokal 91 JINR-P1-91-85;
The Production of Two Multicharged Fragments in Fragmentation of ^{28}Si on Photoemulsion Nuclei
- Volkov 92 JETP Lett. 55:610, 1992; IFVE-92-52;
Angular Dependence of Parton-Parton Scattering Extracted from Hadron Pair Production in $p p$ Collisions at $\sqrt{s} = 11.5$ GeV
- Volkov 93 JETP Lett. 58:486, 1993; Pisma Zh. Eksp. Teor. Fiz. 58:488, 1993; IFVE-93-101;
Angular Dependence of Symmetric Hadron Pair Production in $\pi^- p$ Collisions at $\sqrt{s} = 8.7$ GeV
- Voloshin 95 Nucl. Phys. A590:605c, 1995;
 $\frac{dN_{ch}}{d\eta}$ Distributions in Au + Al, Cu, Au, and U Collisions at 10.8 A GeV/c and E_t per Charged Particle
- Vonbusch 94 Phys. Lett. 325B:300, 1994;
Measurement of the Decay $e^+ e^- \rightarrow 4\gamma$ at Rest
- Vonprzewoski 91 Phys. Rev. C44:44, 1991;
Absolute Measurement of the $p+p$ Analyzing Power at 183 MeV
- Vonzanthier 90 Phys. Rev. D43:34, 1991; SLAC-PUB-5213; LBL-28859;
Measurement of the Total Hadronic Cross Section in $e^+ e^-$ Annihilation at $\sqrt{s} = 29$ GeV
- Vorobiev 91 Yad. Phys. 53:732, 1991; ITEP-91-35;
Cumulative Λ Particles: Nuclear Scaling and Search for Baryon Rich Quark-Gluon Plasma
- Vorobiev 92 LNPI-92-1812;
Quasi-Elastic Scattering of 1 GeV Protons on ^{28}Si and ^{34}S Nuclei
- Vorobiev 94 Yad. Phys. 57:3, 1994;
Quasifree Scattering of 1.0 GeV Protons on ^{23}Na , ^{28}Si , ^{29}Si , ^{30}Si , ^{31}P , ^{34}S , and ^{39}K
- Vorobiev 94B Pisma Zh. Eksp. Teor. Fiz. 59:486, 1994;
Search for Exotic Long Range Force Violating T - and P -Invariance
- Vorobiev 94C Pisma Zh. Eksp. Teor. Fiz. 59:75, 1994;
Searches for Narrow Resonance in the $p p \pi^-$ System
- Vorobiev 95 Yad. Phys. 58:1923, 1995;
Investigation of ^{90}Zr and ^{208}Pb Deep Hole States Structure by Means of Quasielastic Proton Scattering at 1.0 GeV
- Voronov 93 Izv. Akad. Nauk SSSR, Fiz. 57-4:152, 1993;
Investigation and Search for γ -Pulsars at the Observatory "GAMMA-1"
- Vossnack 94 Nucl. Phys. A566:535c, 1994;
Kaon Correlation Systematics in E859
- Vuilleumier 93 Phys. Rev. D48:1009, 1993;
Search for Neutrinoless Double-Beta Decay in ^{136}Xe with a Time Projection Chamber
- Vyrodov 95 Pisma Zh. Eksp. Teor. Fiz. 61:161, 1995;
Precision Measurement of the $\bar{\nu}_e + p \rightarrow e^+ n$ Reaction Cross Section at Bugey Reactor (France)
- Wachsmuth 91 CERN-PPE-91-145;
Determination of the Strong Coupling Constant from $e^+ e^-$ Collisions at LEP
- Wada 92 Nucl. Phys. A539:316, 1992;
Mechanisms of Non-Equilibrium Light-Particle Emission in $^{32}\text{S}+\text{Ag}$ Reactions at 30 A MeV

Wada 92B

Weitz 92

- Wada 92B Nucl. Phys. A548:471, 1992;
Dynamical Aspects of Intermediate Mass Fragment Emission in the Reaction of $^{82}\text{S Ag}$ at 30 A MeV
- Waddington 94 Nucl. Phys. A566:427c, 1994;
Interactions of 10.6 GeV/Nucleon Gold Nuclei in Targets from p to Pb
- Wagner 95 FERMILAB-CONF-95-062-E; ANL-HEP-CP-95-20;
CDF Results on $Z^0 \gamma$ Production
- Wainer 91 FERMILAB-CONF-91-138-E;
Jet Results from CDF
- Wainer 91B FERMILAB-CONF-91-249-E;
Inclusive Jet Cross Sections and Jet Shapes at CDF
- Wakasa 95 Phys. Rev. C51:R2871, 1995;
Spin-Flip Strength in the Continuum and Effective Tensor Interactions via Polarization Transfer Coefficients D_{NN} at 0° for (p, n) Reactions at 295 MeV
- Walker 91 Phys. Lett. 255B:155, 1991;
Vector Boson Production in Hadron Nucleus Collisions
- Walker 94 Phys. Rev. D49:5671, 1994; SLAC-PUB-5815; UR-1305; ER-40685-754;
Measurements of the Proton Elastic Form-Factors for $1 \text{ GeV}/c^2 \leq Q^2 \leq 3 \text{ GeV}/c^2$ at SLAC
- Wallace 91 Nucl. Phys. A532:617, 1991;
Differential Cross Section for the Reaction deuteron $(\gamma, p) n$ from 133 to 158 MeV
- Wallace 94 FERMILAB-CONF-94-184-E;
Beam Flavor Dependence in the Hadroproduction of D^\pm and D_s^\pm Mesons
- Wallace 95 Phys. Rev. Lett. 74:3732, 1995;
Precision Measurement of the Ω^- Magnetic Moment
- Wang 93 Mod. Phys. Lett. A8:3715, 1993;
New Experimental Limit on Spatial Anisotropy for Polarized Electrons
- Wang 94 Nucl. Phys. A566:379c, 1994;
Production of ϕ Mesons in Central Si+Au Collisions at 14.6 A GeV/c
- Wang 94B Phys. Rev. C50:2438, 1994;
 (p, n) Quasifree Excitations in p -Shell Nuclei at 186 MeV
- Wang 94C Phys. Rev. D49:5785, 1994;
Intermittency Exponents in $p p$ Collisions at 400 GeV/c
- Wang 94D Phys. Lett. 359B:397, 1994;
Factorial Correlators and Cumulant Correlators in $p p$ Collisions at 400 GeV/c
- Wang 94E Phys. Lett. 321B:431, 1994;
Factorial Cumulant Moments and Correlations in $p p$ Collisions at 400 GeV/c
- Wang 95 Nucl. Phys. A590:539c, 1995;
Multiplicity Dependence of the Mass of $\phi(1020)$ Mesons from Si Au Collisions at 14.6 A GeV/c
- Wang 95B Phys. Lett. 344B:447, 1995;
Fractal Analysis of $p p$ Interactions at 400 GeV/c
- Wang 95C Z. Phys. C68:415, 1995;
Factorial Cumulant Moments and Correlation Integrals in $p p$ Collisions at 400 GeV/c
- Wang 95D Phys. Rev. Lett. 74:2646, 1995; LBL-36077;
Light Fragment Production and Power Law Behavior in Au + Au Collisions
- Warner 94 Phys. Rev. C49:1534, 1994;
 $^4\text{He}(^4\text{He}, ^3\text{He})^5\text{He}_{g.s.}$ Reaction at 118 MeV, and Its Distorted Wave Born Approximation Interpretation
- Wasiliev 93 Pisma Zh. Eksp. Teor. Fiz. 58:177, 1993;
Search for Two-Neutrino Mode of Double Beta-Decay of ^{150}Nd Isotope
- Waters 93 Nucl. Phys. A564:595, 1993;
Subthreshold π^0 -Production in the Reactions $^{24}\text{Mg}(^4\text{He}, \pi^0)X$ at 43 MeV A and $^{24}\text{Mg}(^{16}\text{O}, \pi^0)X$ at 24 and 33 MeV A
- Watkins 95 Nucl. Phys. B, Proc. Suppl B40:247, 1995;
Measurement of the Tau Leptonic Branching Ratios by the OPAL
- Watson 94 Nucl. Phys. A577:79c, 1994;
The Spin-Dipole Resonance in (p, n) on ^{16}O and ^{40}Ca
- Watts 94 FERMILAB-CONF-94-247-E;
CDF top Results in the $\ell + \text{Jets}$ Channel
- Weaver 94 Phys. Rev. Lett. 72:3758, 1994;
Limit on the Branching Ratio of $K_L \rightarrow \pi^0 \nu \bar{\nu}$
- Weber 90 Phys. Rev. C43:1553, 1991; TRI-PP-90-62;
Multi-Nucleon Pion Absorption in the $\pi^+ ^4\text{He} \rightarrow p p p n$ Reaction
- Weber 92 Z. Phys. A343:67, 1992; GSI-91-49;
New Neutron-Rich Isotopes in the Scandium-to-Nickel Region, Produced by Fragmentation of a 500 MeV/u ^{86}Kr Beam
- Weber 94 Nucl. Phys. A578:659, 1994;
Longitudinal Momenta and Production Cross-Sections of Isotopes Formed by Fragmentation of a 500 A-MeV ^{86}Kr Beam
- Weerts 94 FERMILAB-CONF-94-035-E; D0-NOTE-1956;
Studies of Jet Production with the D0 Detector
- Weidenauer 93 Z. Phys. C59:387, 1993;
nucleon nucleon Annihilation at Rest into Five Pions
- Weinheimer 93 Phys. Lett. 300B:210, 1993;
Improved Limit on the Electron-Antineutrino Rest Mass from Tritium β -Decay
- Weinstein 93 Phys. Rev. C47:225, 1993;
 N^* Electroproduction and Propagation in Nuclei
- Weinstein 93B Ann. Rev. Nucl. Part. Sci. 43:457, 1993;
The Tau Lepton and Its Neutrino
- Weinstein 95 Nucl. Phys. B, Proc. Suppl B40:163, 1995;
A Precision Measurement of the Branching Fraction $B(\tau^\pm \rightarrow h^\pm \pi^0 \nu_\tau)$
- Weiss 94 Phys. Rev. C49:2569, 1994;
Measurement of Low Energy K^+ Total Cross Sections on $N = Z$ Nuclei
- Weitz 92 Phys. Rev. Lett. 68:1120, 1992;
Precise Optical Lamb Shift Measurements in Atomic Hydrogen

- Weitz 94 Phys. Rev. Lett. 72:328, 1994;
Precision Measurement of the Hydrogen and Deuterium 1S Ground State Lamb Shifts
- Welch 92 Phys. Rev. Lett. 69:2761, 1992;
Electroproduction of π^0 on the Proton near Threshold
- Wenninger 92 GEVA-THESIS-2544;
Mesure de Parametres Electro-Faibles du Z^0 avec la Reaction $e^+ e^- \rightarrow e^+ e^- (\gamma)$
- Wenzel 91 FERMILAB-CONF-91-264-E;
B-Physics at CDF and Prospects for the Next Run
- Wenzel 93 FERMILAB-CONF-93-319-E;
B-Lifetime Measurements at the Tevatron
- Wermes 94 Nucl. Phys. B, Proc. Suppl B40:213, 1995; BONN-HE-94-11;
Branching Fractions and Hadronic Structure Functions in $\tau^\pm \rightarrow 3\text{hadron} (\pi^0) \nu_\tau$ Decays
- Wesseling 92 Nucl. Phys. A547:519, 1992;
Electron-Induced Proton Knock-out from ^{30}Si , ^{31}P and ^{32}S
- Wessler 95 Phys. Rev. C51:2575, 1995;
Polarization Observables in π deuteron Elastic Scattering: Analyzing Power τ_{22} and iT_{11} in Forward Hemisphere
- Westphal 91 Phys. Rev. C44:1687, 1991;
Measurements of Cross Sections for Charge Pickup by Relativistic Holmium Ions on Heavy Targets
- White 91 Nucl. Phys. B, Proc. Suppl B25:19, 1991; FERMILAB-CONF-91-268-E;
Measurement of the $\bar{p} p$ Total Cross Section at $\sqrt{s} = 1800$ GeV
- White 93 Phys. Rev. D48:3996, 1993;
Massive Hadron Pair Production by 800 GeV/c Protons on Nuclear Targets
- White 94 FERMILAB-CONF-94-036-E;
Search for Supersymmetry and Leptoquark States in D0
- White 94B Phys. Rev. D49:58, 1994; BNL-49059;
Comparison of 20 Exclusive Reactions at Large t
- White 95 Nucl. Phys. B, Proc. Suppl B40:311, 1995;
Measurement of the Tau Lepton Lifetime at CLEO II
- Whitlow 91 Phys. Lett. 282B:475, 1992; SLAC-PUB-5442;
Precise Measurements of the Proton and Deuteron Structure Functions from a Global Analysis of the SLAC Deep Inelastic Electron Scattering Sections
- Whitmore 94 Z. Phys. C62:199, 1994;
Inclusive Charged Pion Production in Hadron-Nucleus Interactions at 100 and 320 GeV/c
- Widmann 91 Z. Phys. A340:209, 1991; GSI-91-20;
Limits for Two-Photon and $e^+ e^-$ Decay Widths of Positron-Electron-Scattering Resonances for $\sqrt{s} = 1.78$ to 1.92 MeV
- Widmann 94 CERN-PPE-94-213;
Phase and Density Dependence of the Delayed Annihilation of Metastable Antiprotonic Helium Atoms in Gas, Liquid and Solid Helium
- Wiedner 94 Nuovo Cim. 107A:2589, 1994;
Test of Chiral Perturbation Theory in η Decays
- Wiencke 92 Phys. Rev. D46:3708, 1992; FERMILAB-PUB-92-67-E;
Observation of Coulomb Effects in Production of $\pi^+ \pi^-$, $p \pi^-$, and $K^+ K^-$ Pairs in $p p$ Collisions at 27.5 GeV/c
- Wietfeldt 93 Phys. Rev. Lett. 70:1759, 1993;
Search for a 17 keV Neutrino in the Electron-Capture Decays of ^{55}Fe
- Wietfeldt 95 Phys. Rev. C52:1028, 1995;
Further Studies on the Evidence for a 17 keV Neutrino in a ^{14}C -Doped Germanium Detector
- Wilburn 93 Phys. Rev. Lett. 71:1982, 1993;
Measurements of Polarized-Neutron-Polarized-Proton Scattering: Implication for the Triton Binding Energy
- Wilburn 95 Phys. Rev. C52:2351, 1995;
Measurements of $\Delta\sigma_T$ in Polarized-Neutron-Polarized-Proton Scattering
- Wilhelm 93 BONN-IR-93-43;
Electroproduction of η Mesons by Protons in the Range of the $N(1535 S_{11})$ Resonance
- Wilkes 91 UWSEA-PUB-91-10;
Fluctuations and Correlations in 200 A GeV nucleus nucleus Collisions
- Williams 94 FERMILAB-CONF-94-368-E;
Top Quark Kinematics and Mass Determination
- Willocq 91 Z. Phys. C53:207, 1992; IHE-91-03;
Neutral Strange Particle Production in Antineutrino-Neon Charged Current Interactions
- Willocq 92 Phys. Rev. D47:2661, 1993; TUHEP-92-02;
Coherent Production of Single Pions and ρ^\pm Mesons in Charged Current Interactions of Neutrinos and Antineutrinos on Neon Nuclei at the FERMILAB Tevatron
- Willocq 92B DOE-ER-40702-1;
Coherent Production of Pions and ρ Mesons in Neutrino Charged Current Interactions on Neon Nuclei at the FERMILAB Tevatron
- Wilson 93 Phys. Lett. 316B:245, 1993; LBL-34337;
Relative Dielectron Yields in $p+p$ and $p+$ deuteron Interactions from $E_{\text{beam}} = 1.0 - 4.9$ GeV
- Wilson 94 Nucl. Phys. A566:387c, 1994;
Measurements of Dilepton Production in Nucleon-Nucleon Interactions
- Wimpenny 95 FERMILAB-CONF-95-016-E;
Search for the Top Quark in Dilepton Decay Modes at D0
- Winer 91B FERMILAB-CONF-91-276;
The Lepton Asymmetry in W^\pm Production and Decay at CDF
- Winer 91C LBL-30221;
The W^\pm Boson Transverse Momentum Spectrum in Proton-Antiproton Collisions at $\sqrt{s} = 1.8$ TeV
- Winstein 91 EFI-91-11;
CP Violation in the Decays of the Neutral Kaon
- Winter 93 CERN-PPE-93-122;
Neutrino Oscillation at Accelerators

- Wischnewski 94 DESY-94-049; BAIKAL-93-15;
THE Lake Baikal Telescope NT-36: A First Deep Underwater Multistring Array
- Wise 93 Phys. Rev. C48:1840, 1993;
Quasifree Pion Scattering at 500 MeV
- Wissink 94 Nucl. Phys. A577:27c, 1994;
Studies of Spin Observables in $(p\uparrow, p\uparrow')$ and $(p\uparrow, p'\gamma)$ Reactions at Intermediate Energies
- Wissmann 94 Phys. Lett. 335B:119, 1994;
Elastic and Inelastic Photon Scattering from ^{12}C
- Witzmann 94 Nucl. Phys. A577:319c, 1994;
Results of SMC on the Spin-Dependent Structure Function g_1^p of the Proton
- Wolbers 94 FERMILAB-CONF-94-139-E;
Structure Functions and σ_n/σ_p Measured in 465 GeV/c Muon-Nucleon Interactions
- Wolf 92 DESY-92-190;
First Results from HERA
- Wolf 94 DESY-94-178;
Deep Inelastic Structure Functions from HERA
- Wolfenden 91 Eur. Lett. 15:731, 1991;
Observation of Parity-Violating Optical Rotation in Atomic Thallium
- Wolinski 94 FERMILAB-CONF-94-149-E; CDF-ANAL-EXOTIC-PUBLIC-2621;
Search for Supersymmetry at CDF
- Wong 91 Phys. Rev. Lett. 67:1218, 1991;
New Limit on Neutrinoless Double β Decay in ^{136}Xe with a Time Projection Chamber
- Woolcock 91 Mod. Phys. Lett. A6:2579, 1991;
Consistency of β -Decay Data
- Wormser 94 Nuovo Cim. 107A:2073, 1994;
LEP Measurement on Production, Mass, Lifetime of Beauty Particles
- Wosiek 94 Nucl. Phys. A566:593c, 1994;
A Study of Correlation Integrals in Proton-Nucleus and Nucleus-Nucleus Collisions
- Wright 91 TRI-PP-91-61;
Radiative Muon Capture on Hydrogen
- Wu 91 Phys. Lett. 273B:177, 1991;
Measurement of the B^* Cross Section at $\sqrt{s} = 10.61$ to 10.70 GeV
- Wu 92 Phys. Rev. Lett. 69:1729, 1992;
Search for Low-Mass States in Elastic $e^+ e^-$ Scattering
- Wu 93 Phys. Lett. 301B:307, 1993;
Study of $\pi^+ \pi^-$ Transitions from the $\Upsilon(3S)$ State
- Wurzinger 95 Phys. Rev. C51:R443, 1995;
Near-Threshold Production of ω Mesons in the p deuteron \rightarrow $^3\text{He} \omega$ Reaction
- Wyatt 92 MAN-HEP-92-4;
Measurements at LEP of the Forward-Backward Asymmetries of Quarks: Presented on Behalf of the ALEPH, DELPHI, L3 and OPAL Collaborations
- Xi 93 Nucl. Phys. A552:281, 1993;
Light-Charged-Particle Correlation Measurement in 46.7 MeV/u ^{12}C Induced Reactions
- Xu 94 Nucl. Phys. A566:585c, 1994;
Pion Interferometry in $^{28}\text{Si} + \text{Pb}$ Central Collisions
- Xu 95 Phys. Rev. C52:R1161, 1995;
(deuteron, ^2He) Reactions at $E_{\text{deuteron}} = 125.2$ MeV
- Xu 95B Phys. Rev. C52:2859, 1995;
Radiative Capture of Polarized Neutrons by Polarized Protons at $T_n = 183$ MeV
- Yabuki 94 Jour. of Phys. Soc. Jap. 64:435, 1995; KEK-94-183; KUNS-1315; OUHEP-95-1; KOBE-HEP-95-01; OULNS-94-03; HUPD-9501; TMU-HEP-95-10;
Study of $\pi^+ \pi^-$ Pair Production in a Two-Photon Process at TRISTAN
- Yamada 91 Phys. Rev. D44:617, 1991; KEK-91-81; NGTHEP-91-4; ICRR-Report-246-91-15; KOBE-AP-91-06; OULNS-91-07; TIT-HPE-91-3; UPR-0202E;
Measurements of the Charge Ratio and Polarization of 1.2 TeV/c Cosmic-Ray Muons with the KAMIOKANDE-II Detector
- Yamagata 93 Phys. Rev. D47:1231, 1993;
Search for Anomalous Heavy Hydrogen in Deep Sea Water at 4000 m
- Yamagata 94 Phys. Rev. C50:2606, 1994;
Successful Description of Elastic Scattering of ^3He Particles at 150 MeV/Nucleon with the Single Folding Potential Model
- Yamartino 94 SLAC-426;
A Measurement of the $e^+ e^-$ Decay Width of the Z^0
- Yamaya 95 Phys. Rev. C51:493, 1995;
Dipole Strength in ^{11}Be from Electroproduction of Charged Pions
- Yamazaki 95 Phys. Rev. C52:R1157, 1995;
The $^{12}\text{C}(\gamma, K^+)$ Reaction in the Threshold Region
- Yanagisawa 91 Phys. Rev. Lett. 66:2436, 1991;
 B Semileptonic Decays at the $\Upsilon(4S)$ and the $\Upsilon(10860)$
- Yandarbiev 93 Yad. Phys. 56-10:153, 1993;
Comparison of the Properties of $\pi^+ A$ - and $K^+ A$ -Interactions at 250 GeV/c with Quark Model Predictions
- Yang 96 UR-1460; ER-40685-889; HEPEX-9605005;
A Measurement of $R = \sigma_L/\sigma_T$ in Deep Inelastic Neutrino-Nucleon Scattering at the Tevatron
- Yasin 95 Nuovo Cim. 108A:1041, 1995;
Projectile Multifragments Break-Up and the Electromagnetic-Field Effect of Target Nucleus
- Yasinbakry 95 Nuovo Cim. 108A:929, 1995;
Further Study of Nuclear Transparency for ^{12}C and ^{16}O in Emulsion Interaction at 4.5 GeV/c
- Yasumi 94 Phys. Lett. 334B:229, 1994;
The Mass of the Electron-Neutrino from Electron Capture in ^{163}Ho
- Yates 93 Phys. Lett. 312B:382, 1993;
Longitudinal Response Functions for ^{40}Ca from Quasielastic Electron Scattering

- Yeh 92 FERMILAB-CONF-92-76-E;
CDF: Recent Results and Future Prospects
- Yen 91 Phys. Lett. 269B:59, 1991;
Search for Resonant Structure in the $p \text{ Cu} \rightarrow \pi^\pm X$ Reaction
- Yen 91B Phys. Rev. Lett. 66:1959, 1991;
Asymmetry Measurement of Pion Elastic Scattering from Polarized ^{13}C in the Energy Region of the P_{33} Resonance
- Yennello 93 Phys. Rev. C48:1092, 1993;
Studies of Intermediate-Mass Fragments Emission in the $^3\text{He} + \text{Ag}_{\text{nat}}, ^{197}\text{Au}$ Reactions between 0.48 and 3.6 GeV
- Yeomans 94 Phys. Rev. C49:2898, 1994;
Analyzing Power Measurements in Pion Deuteron Absorption at Low Energies
- Yeomans 95 Phys. Rev. C52:2526, 1995;
Analyzing Power Measurements in Pion Deuteron Breakup at Intermediate Energies
- Yepes 91 CERN-PPE-91-157;
Soft QCD Physics from LEP
- Yokosawa 91 ANL-HEP-CP-91-105;
Experimental Results for High-Energy Polarization Asymmetry
- Yokosawa 92 ANL-HEP-CP-92-29;
Experimental Results with the FERMILAB Polarized Beams
- Yonezawa 91 Phys. Lett. 264B:212, 1991;
Study of the $e^+ e^- \rightarrow \mu^+ \mu^- \gamma$ Reaction at Center-of-Mass Energies Between 54 and 64 GeV
- Yonnet 93 Nucl. Phys. A562:352, 1993; TRI-PP-93-10;
Measurements of Angular Distributions of Differential Cross Sections and Analyzing Powers of the Reaction $p \bar{p} \rightarrow \text{deuteron } \pi^+$ between 1.3 and 2.4 GeV
- Yoshida 91 Nucl. Phys. A541:443, 1992; KEK-91-146;
Energy Dependence of the Analyzing Power for the $p p \rightarrow \pi^+$ deuteron Reaction in the Energy Region 500 – 800 MeV
- Yoshida 95 Astropart. Phys. 3:105, 1995; ICRR-325-94-20;
The Cosmic Ray Energy Spectrum above $3 \cdot 10^{18}$ eV Measured by the Akeno Giant Air Shower Array
- Yoshimura 95 Phys. Rev. Lett. 75:3792, 1995; KEK-94-202; UT-ICEPP-95-02; KOBE-HEP-95-04;
Observation of Cosmic-Ray Antiprotons at Energies below 500 MeV
- You 91 Phys. Lett. 265B:53, 1991; BIHEP-EP-DBD-91-1;
A Search for Neutrinoless Double β Decay of ^{48}Ca
- Yu 93 FERMILAB-CONF-93-042-E;
Production of Jets in Association with W^\pm Vector Bosons in the D0 Detector
- Yu 94 FERMILAB-CONF-94-167;
Recent QCD Results from the Tevatron $\bar{p} p$ Collider at $\sqrt{s} = 1.8$ TeV
- Yu 94B FERMILAB-CONF-94-241-E;
A Measurement of the $b \bar{b}$ Cross Section at CDF
- Yu 95 FERMILAB-CONF-95-146-E;
 $W^\pm/Z^0 + \text{Jets}$ Production at the Tevatron $\bar{p} p$ Collider
- Yu 95B FERMILAB-CONF-95-178-E;
 $W^\pm/Z^0 + \text{Jets}$ Production at the Tevatron
- Yu 96 Phys. Rev. C53:1725, 1996;
Differential Cross Sections of the $^{12}\text{C } ^{13}\text{C}(p, p)^{12}\text{C } ^{13}\text{C}$ and $^{12}\text{C } ^{13}\text{C}(p, n)^{12}\text{Nit } ^{13}\text{Nit}$ Reactions Near 180°
- Yuldashev 90B Phys. Rev. D43:2792, 1991; WISC-EX-90-308;
Neutral Strange Particle Production in $p \text{ } ^{20}\text{Ne}$ and $p n$ Interactions at 300 GeV/c
- Yuldashev 90C Phys. Rev. D43:2803, 1991; WISC-EX-90-309;
 γ Production in $p \text{ } ^{20}\text{Ne}$ and $p n$ Interactions at 300 GeV
- Yuldashev 90D Phys. Rev. D46:45, 1992; WISC-EX-90-310;
Cumulative Particle Production in $p \text{ } ^{20}\text{Ne}$ Interactions at 300 GeV
- Yuzuki 91 Phys. Lett. 267B:309, 1991; KEK-91-63; HUPD-9110; KUNS-1078; OULNS-91-04; TMUP-HEP-91-12;
Search for Charged Scalars in $e^+ e^-$ Annihilation up to 64 GeV c.m. Energy
- Zabrodin 95 Phys. Rev. D52:1316, 1995;
Inclusive Spectra of Charged Particles in pp and $\bar{p}p$ Interactions at 32 GeV/c
- Zaetz 95 Z. Phys. C66:583, 1995;
Spin Alignment and Parity Violation Effects in ρ Production in Neutrino and Antineutrino Charged-Current Interactions
- Zaitsev 94 Nuovo Cim. 107A:1941, 1994;
Latest Results from the VES Experiment
- Zallo 93 LNF-93-054-P;
E887 Recent Results on Charm Baryon Decays
- Zanetti 93 FERMILAB-CONF-93-163-E;
QCD Tests and New Physics Search with Jets at CDF
- Zatsepin 94 Yad. Phys. 57:684, 1994;
Energy Spectra and Composition of Primary Cosmic Rays in the Energy Region above 10 TeV per Nucleus
- Zatsepin 94B Izv. Akad. Nauk SSSR, Fiz. 58-12:119, 1994;
Energy Spectrum of PCR Nucleons at Energies 20 – 400 TeV and Charmed-Particle Production According to the MSU Muon Experiment Data
- Zdesenko 92 KINR-92-15;
Experimental Limits on the Probabilities of Double Beta Processes
- Zenoni 92 Yad. Phys. 55:1459, 1992;
Observation of Structures in Four Pion Invariant Mass in Antiproton- ^4He and Antiproton- ^3He Annihilation (Streamer Chamber Data, PS179 Experiment at LEAR)
- Zenoni 92B Yad. Phys. 55:1466, 1992;
Observation of Structures in Four Pion Invariant Mass in Antiproton- ^4He at Rest (OBELIX Data, PS201 Experiment at LEAR)
- Zenoni 94 Yad. Phys. 57:1554, 1994;
The Case of AX
- Zghiche 94 Nucl. Phys. A572:513, 1994; DAPNIA-SPHN-93-25;
Longitudinal and Transverse Responses in Quasielastic Electron Scattering from ^{208}Pb and ^4He

Zhang 92

Zylberstejn 93

- Zhang 92 Phys. Rev. C45:2819, 1992;
 p -A in the $^{48}\text{Ca}(p, n)^{48}\text{Sc}$ Reaction at 135 MeV
- Zhang 93 Phys. Rev. C47:795, 1993;
 Distortion of Two-Pion Interferometry by Multipion Correlations
- Zhang 95 Phys. Lett. 352B:169, 1995;
 Star Integral and Multidimension Intermittency in 400 GeV/c $p p$ Collisions
- Zhang 95B Nucl. Phys. A590:557c, 1995;
 Energy Flow and Particle Spectra with Respect to the Reaction Plane for Au + Au Collisions at AGS Energies
- Zhang 95C Phys. Rev. C52:2643, 1995;
 Neutrons from Multiplicity-Selected Au-Au Collisions at 150 A, 250 A, 400 A, and 650 A MeV
- Zhao 94 TRI-PP-94-31;
 A Preliminary Result of the Second $n p$ Charge Symmetry Breaking Experiment at TRIUMF
- Zhdanov 91 Pisma Zh. Eksp. Teor. Fiz. 54:311, 1991;
 Fission of ^{238}U Nuclei into 3 Fragments with about Equal Masses
- Zhdanov 91B LENI-91-1683;
 Experimental Study of 1 GeV Proton Fission Processes in ^{238}U Nuclei Using Photoemulsion
- Zhdanov 91C LENI-91-1693;
 Recoil Effects in Nuclear Disintegrations with Multiparticle Emission
- Zhdanov 91D Vopr. At. Nauki i Techn. ser. Yad. 23:89, 1991;
 Effects of Collective Motion in the Fission of Heavy Nuclei in the Reaction at the Intermediate Energies
- Zhu 91 Phys. Rev. C44:R582, 1991;
 Light Particle Correlations for the $^3\text{He}+\text{Ag}$ Reaction at 200 MeV
- Zhu 92 Phys. Rev. C46:768, 1992;
 Parity Nonconservation for Neutron Resonances in ^{238}U
- Zhu 93 FERMILAB-CONF-93-396-E;
 Measurement of the W^\pm Mass in the D0 Detector
- Zhumanov 94 Yad. Phys. 57:1462, 1994;
 Rapidity and Azimuthal Correlations in Collisions of the Ne Nuclei with the Emulsion Nuclei at 4.1 A GeV/c and $\pi^- p$ Collisions at 40 GeV/c
- Zieger 92 Phys. Lett. 278B:34, 1992;
 180° Compton Scattering by Proton below the Pion Threshold
- Zieger 92B Phys. Lett. 285B:1, 1992;
 Forward Photodisintegration of the Deuteron between 20 and 100 MeV Photon Energy
- Zielinska 91 JINR-E1-91-386;
 Neutron Emission from Target Nuclei Induced by High Energy Hadronic Projectiles
- Zlimen 91 Phys. Rev. Lett. 67:560, 1991; RUDER-4-15-91-LEI;
 Evidence for a 17 keV Neutrino
- Zomer 91 LAL-91-02;
 τ^\pm Polarization Measurement in the $\tau^\pm \rightarrow \pi \nu$ Channel
- Zomer 91B LAL-91-04;
 Measurement of Tau Lepton Polarization at LEP by Study of the $\tau^\pm \rightarrow \pi \nu_\tau$ Channel in the ALEPH Experiment
- Zou 94 Phys. Lett. 329B:519, 1994;
 Search for CP Violation in the Decay $K_S \rightarrow \pi^+ \pi^- \pi^0$
- Zumberge 91 Phys. Rev. Lett. 67:3051, 1991;
 Submarine Measurement of the Newtonian Gravitational Constant
- Zumbro 93 Phys. Rev. Lett. 71:1796, 1993;
 Inclusive Scattering of 500-MeV Pions from Carbon
- Zybalov 91 Nucl. Phys. A533:642, 1991;
 Proton Polarization in Deuteron Photodisintegration in the $\Delta(1232 P_{33})$ -Resonance Region
- Zybalov 95 Yad. Phys. 58:966, 1995;
 Proton Polarization in the Inclusive Photodisintegration of ^3He
- Zylberajch 91 DPHPE-91-02;
 MACHOS, WIMPS or Dust: What is Dark Matter
- Zylberajch 94 DAPNIA-SPP-94-27;
 Recent Developments in Microlensing Experiments
- Zylberstejn 93 DAPNIA-SPP-93-21;
 Selected Preliminary Results from the D0 Experiment

This index lists papers by beam, target, and beam momentum. The ordering is by beam particle, then by target particle, then beam momentum.

Particle names follow the ordering in the Particle Vocabulary of this compilation. The particle ordering is: gauge bosons, leptons, mesons, baryons, atoms, and nuclei, and within each group the ordering is mainly by increasing mass. However, within mesons and baryons, ordering is nonstrange, strange, charmed, bottom To simplify searching in this Index, a short "Table of Contents" of the full Index comes first.

For a given beam, target, and momentum, papers are ordered by year (most recent first), then first author name. For the full reference, see the ID/Reference/Title Index.

In most cases, we give both the equivalent lab momentum for scattering on a fixed target and, in parentheses, the total c.m. energy E_{cm} . However, for colliding beam experiments, we usually only give E_{cm} ; we also give only E_{cm} for reactions above 2 TeV/c equivalent lab momentum. When a range of momenta are studied, we list the range, e.g. "50 - 70," ordered by its lower end. For some experiments, such as neutrino experiments, the listed range is only approximate.

A question mark means that the indicated information is unknown to us, usually because it was not given in the paper.

Illustrative Key

Beam and Target: see the *Particle Vocabulary* for nomenclature.

Lab Momentum: in GeV/c (not listed for colliding beam experiments).

<i>p p</i>	
(63)	Akesson 88D Akesson 87 Akesson 87B Akesson 87C Akesson 87D Akesson 87E Chauvat 87 Smith 85D
(> 433.2)	Linsley 84
<i>p n</i>	
0.1374 - 1.464 (1.883 - 2.243)	Bystricky 86D
0.6103 (1.966)	Sowinski 87
0.9543 (2.068)	Ponting 88
1.463 [2.243]	Barlett 85
6 - 8 (3.63 - 4.111)	Soffer 85
21 - 25 (6.424 - 6.984)	Saidkhanov 86

Document ID: see the *ID/Reference/Title Index* for the full reference.

CM Energy E_{cm} : in GeV, listed in parentheses.

This is a short "Table of Contents" of the full Beam/Target/Momentum Index

γ	124	γ Ta	127	$e^- e^-$	129	$\mu^+ n$	134
axion	124	$\gamma^{181}\text{Ta}$	127	e^- nucleon	129	μ^+ nucleus	134
graviton	124	$\gamma^{184}\text{Wt}$	127	$e^- p$	129	μ^+ deuteron	134
ν	124	γ Au	127	$e^- n$	129	μ^+ He	134
ν_e	124	γ Pb	127	e^- nucleus	129	μ^+ Li	134
$\bar{\nu}_e$	124	$\gamma^{208}\text{Pb}$	127	e^- deuteron	129	μ^+ ^6Li	134
ν_μ	124	$\gamma^{209}\text{Bi}$	127	$e^- ^3\text{H}$	129	μ^+ Be	134
$\bar{\nu}_\mu$	124	$\gamma^{232}\text{Th}$	127	$e^- ^3\text{He}$	129	μ^+ C	135
e^\pm	124	$\gamma^{235}\text{U}$	127	$e^- ^4\text{He}$	129	μ^+ ^{12}C	135
e^-	124	$\gamma^{238}\text{U}$	127	e^- He	130	μ^+ Nit	135
e^\pm	124	$\gamma^{237}\text{Np}$	127	$e^- ^6\text{Li}$	130	μ^+ Al	135
μ^\pm	124	$\gamma^{239}\text{Pu}$	127	e^- Be	130	μ^+ Ca	135
μ^-	124	$\gamma^{243}\text{Am}$	127	$e^- ^9\text{Be}$	130	μ^+ ^{40}Ca	135
μ^+	124	γ crystal	127	$e^- ^{11}\text{Bor}$	130	μ^+ Fe	135
heavy- ν	124	$\gamma^* \gamma^*$	127	e^- C	130	μ^+ Cu	135
q	124	γ^* nucleon	127	$e^- ^{12}\text{C}$	130	μ^+ Sn	135
neutralino	124	$\gamma^* p$	127	$e^- ^{16}\text{O}$	130	μ^+ Xe	135
dark	124	gluon q	127	e^- Al	130	μ^+ Pb	135
monopole	124	$H^0 p$	127	$e^- ^{27}\text{Al}$	130	q q	135
unspec	124	$H^0 C$	127	$e^- ^{30}\text{Si}$	130	q \bar{q}	135
charged	124	axion γ^*	127	$e^- ^{31}\text{Ph}$	130	dark nucleus	135
hadron	124	axion p	127	$e^- ^{32}\text{S}$	130	dark ^{16}O	135
hadron 0	124	axion C	127	$e^- ^{40}\text{Ar}$	130	dark ^{27}Al	135
charged-hadron	124	νe^-	127	e^- Ca	130	dark ^{28}Si	135
nucleon	124	ν nucleus	127	$e^- ^{40}\text{Ca}$	130	dark ^{39}KK	135
p	124	ν deuteron	127	$e^- ^{50}\text{Cr}$	130	unspec nucleus	135
n	124	$\nu ^{11}\text{Bor}$	127	$e^- ^{55}\text{Fe}$	130	hadron p	135
\bar{p}	124	ν Fe	127	$e^- ^{56}\text{Fe}$	130	hadron nucleus	135
strangelet	124	$\bar{\nu}$ deuteron	127	e^- Fe	130	hadron Mg	135
nucleus	125	$\bar{\nu}$ Fe	127	$e^- ^{58}\text{Ni}$	130	hadron Ag	135
deuteron	125	$\nu_e e^-$	127	e^- Cu	130	hadron Au	135
^3He	125	ν_e nucleon	127	$e^- ^{64}\text{Zn}$	130	hadron Pb	135
^4He	125	$\nu_e n$	127	$e^- ^{71}\text{Ge}$	130	hadron $^+$ p	135
He	125	ν_e nucleus	127	$e^- ^{78}\text{Kr}$	130	hadron $^+$ nucleus	135
Fe	125	ν_e deuteron	127	$e^- ^{84}\text{Sr}$	130	hadron $-$ p	135
$\gamma \gamma$	125	$\nu_e ^{11}\text{Bor}$	127	$e^- ^{92}\text{Mo}$	130	meson $^+$ p	135
$\gamma \gamma^*$	125	$\nu_e ^{12}\text{C}$	127	$e^- ^{96}\text{Ru}$	130	meson $^+$ Al	135
γe^-	125	$\nu_e ^{37}\text{Cl}$	127	e^- Ag	130	meson $^+$ Au	135
γ nucleon	125	$\nu_e ^{40}\text{Ar}$	127	$e^- ^{106}\text{Cd}$	130	$\pi^\pm p$	135
γp	125	$\nu_e ^{71}\text{Ga}$	127	$e^- ^{112}\text{Sn}$	130	π^\pm nucleus	135
γn	125	$\bar{\nu}_e e^-$	127	$e^- ^{120}\text{Te}$	130	π^\pm deuteron	135
γ muonium	125	$\bar{\nu}_e$ nucleon	127	$e^- ^{124}\text{Xe}$	130	π^\pm Be	135
2γ H(atom)	125	$\bar{\nu}_e p$	127	$e^- ^{130}\text{Ba}$	130	π^\pm C	135
γ H(atom) *	125	$\bar{\nu}_e$ deuteron	127	$e^- ^{139}\text{Ce}$	130	π^\pm Al	135
$\gamma ^2\text{H(atom)}$	125	$\nu_\mu e^-$	128	e^- Wt	130	π^\pm Ti	135
γ Tl(atom)	126	$\nu_\mu q$	128	$e^- ^{184}\text{Os}$	130	π^\pm Fe	135
γ Pb(atom)	126	ν_μ nucleon	128	$e^- ^{190}\text{Pt}$	130	π^\pm Cu	135
γ nucleus	126	$\nu_\mu p$	128	e^- Au	130	π^\pm Pb	135
γ deuteron	126	$\nu_\mu n$	128	$e^- ^{197}\text{Au}$	130	$\pi^+ \pi^-$	135
$\gamma ^3\text{He}$	126	ν_μ nucleus	128	$e^- ^{208}\text{Pb}$	130	π^+ nucleon	135
$\gamma ^4\text{He}$	126	ν_μ deuteron	128	e^- crystal	130	$\pi^+ p$	135
γ Li	126	$\nu_\mu ^{12}\text{C}$	128	$e^+ \gamma$	130	$\pi^+ n$	136
$\gamma ^6\text{Li}$	126	ν_μ Ne	128	$e^+ e^-$	130	$\pi^+ \Delta(1232 P_{33})^{++}$	136
$\gamma ^7\text{Li}$	126	ν_μ Al	128	$e^+ p$	134	π^+ nucleus	136
γ Be	126	ν_μ Fe	128	e^+ nucleus	134	π^+ deuteron	136
$\gamma ^9\text{Be}$	126	$\bar{\nu}_\mu e^-$	128	$e^+ \text{Th}$	134	$\pi^+ ^3\text{H}$	136
γ C	126	$\bar{\nu}_\mu q$	128	μ^\pm Fe	134	$\pi^+ ^3\text{He}$	136
$\gamma ^{12}\text{C}$	126	$\bar{\nu}_\mu$ nucleon	128	$\mu^- p$	134	$\pi^+ ^4\text{He}$	136
$\gamma ^{13}\text{C}$	126	$\bar{\nu}_\mu p$	128	μ^- nucleus	134	$\pi^+ \text{He}$	136
$\gamma ^{14}\text{Nit}$	126	$\bar{\nu}_\mu n$	128	$\mu^- ^3\text{He}$	134	$\pi^+ \text{Li}$	136
$\gamma ^{15}\text{Nit}$	126	$\bar{\nu}_\mu$ nucleus	128	μ^- C	134	$\pi^+ ^6\text{Li}$	136
γ O	126	$\bar{\nu}_\mu$ deuteron	128	$\mu^- ^{12}\text{C}$	134	$\pi^+ ^7\text{Li}$	136
$\gamma ^{16}\text{O}$	126	$\bar{\nu}_\mu ^{12}\text{C}$	128	$\mu^- ^{16}\text{O}$	134	$\pi^+ \text{Be}$	136
γ Al	126	$\bar{\nu}_\mu$ Ne	128	$\mu^- ^{27}\text{Al}$	134	$\pi^+ ^9\text{Be}$	136
$\gamma ^{27}\text{Al}$	126	$\bar{\nu}_\mu$ Al	128	$\mu^- ^{28}\text{Si}$	134	$\pi^+ \text{Bor}$	136
γ Si	126	$\bar{\nu}_\mu$ Fe	128	$\mu^- ^{40}\text{Ca}$	134	$\pi^+ ^{10}\text{Bor}$	136
γ Ca	126	$\nu_\tau e^-$	129	μ^- Ti	134	$\pi^+ ^{11}\text{Bor}$	136
γ Ti	126	ν_τ nucleon	129	μ^- Fe	134	$\pi^+ \text{C}$	136
γ Cu	126	ν_τ nucleus	129	μ^- Cu	134	$\pi^+ ^{12}\text{C}$	136
$\gamma ^{65}\text{Cu}$	126	$\bar{\nu}_\tau e^-$	129	μ^- Mo	134	$\pi^+ ^{13}\text{C}$	136
γ Nb	126	$\bar{\nu}_\tau$ nucleus	129	μ^- Sn	134	$\pi^+ \text{O}$	136
γ Ag	126	e^\pm nucleus	129	μ^- Pb	134	$\pi^+ ^{16}\text{O}$	136
γ Cd	126	$e^\pm ^{16}\text{O}$	129	$\mu^+ e^-$	134	$\pi^+ ^{18}\text{O}$	136
$\gamma ^{118}\text{Sn}$	126	$e^- \gamma$	129	μ^+ nucleon	134	$\pi^+ ^{20}\text{Ne}$	136
γ Sn	126	$e^- \gamma^*$	129	$\mu^+ p$	134	$\pi^+ \text{Mg}$	136

This is a short "Table of Contents" of the full Beam/Target/Momentum Index

π^+ ²⁶ Mg	136	π^- ⁶² Ni	138	p Bor	142	n ²³ Na	145
π^+ Al	136	π^- ⁶⁴ Ni	138	p ¹⁰ Bor	142	n Al	145
π^+ ²⁷ Al	136	π^- Cu	138	p ¹¹ Bor	142	n ²⁷ Al	145
π^+ Si	136	π^- Se	138	p C	142	n Si	145
π^+ ²⁸ Si	136	π^- ⁹⁰ Zr	138	p ¹² C	142	n ⁴⁰ Ca	145
π^+ S	136	π^- Zr	138	p ¹³ C	142	n ⁵¹ Va	145
π^+ Ca	136	π^- Ag	139	p ¹⁴ C	142	n Fe	145
π^+ ⁴⁰ Ca	136	π^- Cd	139	p ¹⁶ O	142	n ⁵⁹ Co	145
π^+ Ti	136	π^- Sn	139	p ¹⁸ O	142	n Cu	145
π^+ ⁵¹ Va	136	π^- Xe	139	p Ne	142	n ⁸¹ Br	145
π^+ ⁵⁶ Fe	136	π^- Ta	139	p ²⁰ Ne	142	n Rb	145
π^+ Fe	136	π^- Wt	139	p ²³ Na	142	n ⁹⁰ Zr	145
π^+ ⁵⁸ Ni	136	π^- Pt	139	p Mg	142	n ⁹³ Nb	145
π^+ Ni	136	π^- Au	139	p Al	142	n ¹⁰⁸ Pd	145
π^+ ⁶⁰ Ni	136	π^- Pb	139	p ²⁷ Al	142	n ¹¹¹ Cd	145
π^+ ⁶² Ni	136	π^- ²⁰⁸ Pb	139	p Si	142	n ¹¹³ Cd	145
π^+ ⁶⁴ Ni	136	π^- ²³⁸ U	139	p ²⁸ Si	142	n Sn	145
π^+ Cu	136	π^- U	139	p ²⁹ Si	142	n ¹²⁴ Sn	145
π^+ ⁷⁶ Se	137	ρ^0 nucleon	139	p ³⁰ Si	142	n ¹²⁷ I	145
π^+ Se	137	K^\pm p	139	p ³¹ Ph	142	n Xe	145
π^+ ⁷⁸ Se	137	K^+ nucleon	139	p S	142	n ¹³³ Cs	145
π^+ ⁸⁰ Se	137	K^+ p	139	p ³⁴ S	143	n ¹³⁹ La	145
π^+ ⁸² Se	137	K^+ n	139	p ³⁵ Cl	143	n ¹⁸¹ Ta	145
π^+ ⁸⁹ Yt	137	K^+ nucleus	139	p Ar	143	n Pb	145
π^+ ⁹⁰ Zr	137	K^+ deuteron	139	p ³⁹ KK	143	n ²⁰⁸ Pb	145
π^+ Zr	137	K^+ Li	139	p Ca	143	n ²⁰⁸ Bi	145
π^+ ⁹³ Nb	137	K^+ ⁶ Li	139	p ⁴⁰ Ca	143	n ²³² Th	145
π^+ Ag	137	K^+ Be	139	p ⁴² Ca	143	n ²³⁸ U	145
π^+ ¹¹⁸ Sn	137	K^+ C	139	p ⁴⁴ Ca	143	n ²⁴² Am	145
π^+ Sn	137	K^+ ¹² C	139	p ⁴⁸ Ca	143	n ²⁴⁵ Cm	145
π^+ Xe	137	K^+ Mg	139	p Ti	143	\bar{n} p	145
π^+ ¹³⁹ La	137	K^+ Al	139	p ⁵⁴ Fe	143	\bar{n} C	145
π^+ Ta	137	K^+ Si	139	p Fe	143	\bar{n} Al	145
π^+ Wt	137	K^+ ²⁸ Si	139	p Co	143	\bar{n} Cu	145
π^+ Au	137	K^+ Ca	139	p ⁵⁹ Co	143	\bar{n} Sn	145
π^+ Pb	137	K^+ ⁴⁰ Ca	139	p ⁵⁸ Ni	143	\bar{n} Ta	145
π^+ ²⁰⁸ Pb	137	K^+ Cu	139	p Ni	143	\bar{n} Pb	145
π^+ U	137	K^+ Ag	139	p ⁶⁰ Ni	143	\bar{p} p	145
π^- e ⁻	137	K^+ Wt	139	p ⁶² Ni	143	\bar{p} n	148
π^- nucleon	137	K^+ Au	139	p ⁶³ Cu	143	\bar{p} H(atom)	148
π^- p	137	K^+ Pb	139	p Cu	143	\bar{p} nucleus	148
π^- n	137	K^- e ⁻	139	p ⁶⁵ Cu	143	\bar{p} deuteron	148
π^- nucleus	137	K^- nucleon	139	p Zn	143	\bar{p} ³ He	148
π^- deuteron	138	K^- p	139	p ⁹⁰ Zr	143	\bar{p} ⁴ He	148
π^- ³ H	138	K^- nucleus	139	p Zr	143	\bar{p} He	148
π^- ³ He	138	K^- deuteron	139	p Nb	143	\bar{p} Li	148
π^- ⁴ He	138	K^- ³ He	139	p Mo	143	\bar{p} ⁶ Li	148
π^- Li	138	K^- ⁴ He	139	p Ag	143	\bar{p} ⁷ Li	148
π^- ⁶ Li	138	K^- Be	139	p In	143	\bar{p} Be	148
π^- ⁷ Li	138	K^- C	139	p Sn	143	\bar{p} C	148
π^- ⁸ Be	138	K^- ¹² C	139	p Te	143	\bar{p} ¹² C	148
π^- Be	138	K^- Al	139	p Xe	143	\bar{p} Nit	148
π^- ⁹ Be	138	K^- Cu	140	p Ta	143	\bar{p} Ne	148
π^- C	138	K^- Ag	140	p Wt	143	\bar{p} ²⁰ Ne	148
π^- ¹² C	138	K^- Wt	140	p Pt	144	\bar{p} Mg	148
π^- ¹³ C	138	K^- Pb	140	p Au	144	\bar{p} Al	148
π^- ¹⁶ O	138	K_L e ⁻	140	p ¹⁹⁷ Au	144	\bar{p} ²⁷ Al	148
π^- ¹⁸ O	138	K_L p	140	p ²⁰⁶ Pb	144	\bar{p} ²⁸ Si	148
π^- Ne	138	K_L nucleus	140	p Pb	144	\bar{p} S	148
π^- ²⁰ Ne	138	K_L Be	140	p ²⁰⁷ Pb	144	\bar{p} Ar	148
π^- ²⁴ Mg	138	$J/\psi(1S)$ nucleon	140	p ²⁰⁸ Pb	144	\bar{p} ⁴⁰ Ca	148
π^- Mg	138	nucleon nucleon	140	p Bi	144	\bar{p} Fe	148
π^- ²⁶ Mg	138	nucleon nucleus	140	p ²³⁸ U	144	\bar{p} ⁵⁸ Ni	148
π^- Al	138	p nucleon	140	p U	144	\bar{p} ⁶⁴ Ni	148
π^- Si	138	p p	140	n e ⁻	144	\bar{p} ⁶³ Cu	148
π^- ²⁸ Si	138	p n	140	n p	144	\bar{p} Cu	148
π^- S	138	p nucleus	140	n n	144	\bar{p} ⁶⁴ Cu	148
π^- Ca	138	p deuteron	141	n nucleus	144	\bar{p} ⁷⁰ Ge	148
π^- ⁴⁰ Ca	138	p ³ He	141	n deuteron	144	\bar{p} ⁹⁶ Zr	148
π^- ⁴⁸ Ca	138	p ⁴ He	141	n ⁹ Be	144	\bar{p} ⁹² Mo	148
π^- Ti	138	p He	141	n C	144	\bar{p} ⁹⁸ Mo	148
π^- Fe	138	p Li	141	n ¹² C	145	\bar{p} ¹⁰⁰ Mo	148
π^- ⁵⁸ Ni	138	p ⁶ Li	141	n Nit	145	\bar{p} ⁹⁶ Ru	148
π^- Ni	138	p ⁷ Li	141	n O	145	\bar{p} ¹⁰⁸ Ag	148
π^- ⁶⁰ Ni	138	p Be	141	n ¹⁹ Fl	145	\bar{p} Ag	148

This is a short "Table of Contents" of the full Beam/Target/Momentum Index

\bar{p} Cd	148	^3H Al	150	^7Li C	151	^{16}O p	152
\bar{p} ^{130}Te	148	^3H Cu	150	^7Li Mg	151	^{16}O nucleus	152
\bar{p} Xe	148	^3H Pb	150	^7Li Al	151	^{16}O ^7Li	152
\bar{p} ^{144}Sm	148	^3He p	150	^7Li Cu	151	^{16}O Be	152
\bar{p} ^{154}Sm	148	^3He deuteron	150	^7Li Pb	151	^{16}O C	152
\bar{p} ^{165}Ho	148	^3He C	150	^8Li deuteron	151	^{16}O ^{12}C	152
\bar{p} ^{171}Yb	148	^3He ^{12}C	150	^8Li C	151	^{16}O ^{24}Mg	152
\bar{p} ^{181}Ta	148	^3He ^{26}Mg	150	^8Li Pb	151	^{16}O Al	152
\bar{p} Wt	148	^3He ^{40}Ca	150	^9Li C	151	^{16}O ^{27}Al	152
\bar{p} Au	148	^3He ^{48}Ca	150	^9Li Al	151	^{16}O ^{58}Ni	152
\bar{p} ^{197}Au	148	^3He ^{54}Fe	150	^9Li Cu	151	^{16}O Cu	152
\bar{p} Pb	148	^3He Fe	150	^9Li Sn	151	^{16}O ^{108}Ag	152
\bar{p} ^{208}Pb	148	^3He Cu	150	^9Li Pb	151	^{16}O Ag	152
\bar{p} ^{209}Bi	148	^3He ^{71}Ga	150	^{11}Li Be	151	^{16}O Wt	152
\bar{p} ^{232}Th	148	^3He ^{90}Zr	150	^{11}Li C	151	^{16}O Au	152
\bar{p} ^{238}U	148	^3He Ag	150	^{11}Li Ni	151	^{16}O ^{197}Au	152
\bar{p} U	148	^3He ^{112}Sn	150	^{11}Li Sn	151	^{16}O Pb	152
$\Delta(1232 P_{33})^+ p$	148	^3He ^{114}Sn	150	^{11}Li Au	151	^{16}O ^{207}Pb	152
Λ Cu	148	^3He ^{116}Sn	150	^{11}Li Pb	151	^{16}O U	152
$\Sigma^+ \gamma^*$	148	^3He ^{117}Sn	150	^9Be nucleus	151	^{18}O Be	153
Σ^0 Cu	149	^3He ^{118}Sn	150	^{11}Be ^9Be	151	^{17}F Be	153
$\Sigma^- e^-$	149	^3He ^{119}Sn	150	^{11}Be C	151	^{17}F C	153
$\Sigma^- p$	149	^3He ^{120}Sn	150	^{11}Be Al	151	^{17}F Al	153
Σ^- nucleus	149	^3He ^{122}Sn	150	^{11}Be Ti	151	^{17}Ne Be	153
Σ^- C	149	^3He ^{124}Sn	150	^{11}Be ^{197}Au	151	^{17}Ne C	153
Σ^- ^{12}C	149	^3He Au	150	^{14}Be Be	151	^{17}Ne Al	153
Σ^- Cu	149	^3He ^{197}Au	150	^{14}Be Ni	151	Ne p	153
Σ^- Wt	149	^3He ^{208}Pb	150	^{14}Be Au	151	Ne nucleus	153
Σ^- Pb	149	^3He Bi	150	^{11}Bor nucleus	151	Ne Fl	153
$\Xi^- \gamma^*$	149	^3He U	150	C p	151	Ne Ne	153
$\Xi^- p$	149	^4He p	150	C nucleus	151	Ne Na	153
Ξ^- nucleus	149	^4He nucleus	150	C C	151	Ne Al	153
Ξ^- ^{12}C	149	^4He deuteron	150	C Ne	151	Ne Cu	153
$\Omega^- p$	149	^4He ^4He	150	C Fe	151	Ne Zr	153
nucleus nucleus	149	^4He Be	150	C Cu	151	Ne Nb	153
nucleus Ta	149	^4He C	150	C Zr	151	Ne Pb	153
frag p	149	^4He ^{12}C	150	C Ta	151	^{20}Ne p	153
fragb nucleus	149	^4He ^{24}Mg	150	C Pb	151	^{20}Ne nucleus	153
deuteron p	149	^4He Al	150	^{12}C p	151	^{20}Ne C	153
deuteron nucleus	149	^4He Fe	150	^{12}C nucleus	151	^{20}Ne Nit	153
deuteron deuteron	149	^4He Cu	150	^{12}C C	151	^{20}Ne O	153
deuteron ^4He	149	^4He Ta	150	^{12}C ^{12}C	151	^{20}Ne Fl	153
deuteron ^6Li	149	^4He Au	150	^{12}C Al	151	^{20}Ne Na	153
deuteron Be	149	^4He ^{197}Au	150	^{12}C ^{58}Ni	151	^{20}Ne ^{27}Al	153
deuteron C	149	^4He Pb	150	^{12}C Cu	151	^{20}Ne Cu	153
deuteron ^{12}C	149	He p	150	^{12}C Yt	151	^{20}Ne Br	153
deuteron ^{13}C	149	He nucleus	150	^{12}C Ag	151	^{20}Ne Ag	153
deuteron ^{16}O	149	He He	150	^{12}C ^{115}In	151	^{20}Ne Sn	153
deuteron ^{24}Mg	149	He Li	150	^{12}C Sn	151	^{20}Ne ^{197}Au	153
deuteron ^{26}Mg	149	He ^9Be	150	^{12}C Ta	151	^{20}Ne Bi	153
deuteron Al	149	He C	150	^{12}C ^{197}Au	151	^{22}Ne p	153
deuteron ^{28}Si	149	He ^{12}C	150	^{12}C Pb	151	^{22}Ne nucleus	153
deuteron Ca	149	He ^{16}O	150	^{12}C ^{208}Pb	151	Na C	153
deuteron ^{40}Ca	149	He Ne	150	^{13}C C	151	^{24}Mg nucleus	153
deuteron ^{58}Ni	149	He Al	150	^{13}C Al	152	^{24}Mg C	153
deuteron Cu	149	He ^{28}Si	150	^{13}Nit p	152	^{24}Mg Al	153
deuteron ^{90}Zr	149	He ^{40}Ca	150	Nit nucleus	152	^{24}Mg Cu	153
deuteron Ag	149	He ^{48}Ca	150	^{14}Nit nucleus	152	^{24}Mg Ag	153
deuteron ^{116}Sn	149	He ^{58}Ni	150	^{14}Nit C	152	^{24}Mg Pb	153
deuteron ^{120}Sn	149	He ^{60}Ni	150	^{14}Nit Cu	152	Mg p	153
deuteron Ta	149	He Cu	150	^{14}Nit Ag	152	Mg nucleus	153
deuteron Au	149	He ^{124}Sn	150	^{14}Nit ^{159}Tb	152	Mg Mg	153
deuteron Pb	149	He Ta	150	^{17}Nit Be	152	Mg Pb	153
deuteron Bi	149	He Pb	150	^{17}Nit C	152	^{26}Mg p	153
deuteron Th	149	He ^{208}Pb	151	^{17}Nit Al	152	Si p	153
deuteron ^{238}U	149	^8He p	151	O p	152	Si nucleus	153
deuteron deuteron	149	^8He Be	151	O nucleus	152	Si Al	153
deuteron C	149	^8He Ni	151	O C	152	Si Si	153
deuteron Pb	149	^8He Au	151	O Ne	152	Si Cu	153
^3H p	149	^6Li p	151	O Al	152	Si Pt	153
^3H deuteron	149	^6Li nucleus	151	O Cu	152	Si Au	153
^3H C	149	^6Li C	151	O Ag	152	Si Pb	153
^3H ^{12}C	149	^6Li Pb	151	O Au	152	^{28}Si p	153
^3H Ne	149	^7Li p	151	O Pb	152	^{28}Si nucleus	153
^3H Mg	149	^7Li nucleus	151	O U	152	^{28}Si C	154

This is a short "Table of Contents" of the full Beam/Target/Momentum Index

²⁸ Si Al	154	⁵⁶ Fe C	155	¹³⁹ La Pb	156
²⁸ Si ²⁷ Al	154	⁵⁶ Fe Nit	155	¹³⁹ La ²³⁸ U	156
²⁸ Si ²⁸ Si	154	⁵⁶ Fe O	155	La C	156
²⁸ Si Cu	154	⁵⁶ Fe Fe	155	La La	156
²⁸ Si ⁶⁴ Cu	154	⁵⁶ Fe Br	155	Ho C	156
²⁸ Si Ag	154	⁵⁶ Fe Ag	155	Ho Cu	156
²⁸ Si Sn	154	⁵⁶ Fe Ta	155	Ho Ag	156
²⁸ Si Au	154	⁵⁶ Fe Au	155	Ho Sn	156
²⁸ Si ¹⁹⁷ Au	154	⁵⁶ Fe Th	155	Ho Pb	156
²⁸ Si Pb	154	⁵⁸ Ni p	156	Ho U	156
²⁸ Si ²⁰⁸ Pb	154	⁵⁸ Ni Be	156	Au p	156
S nucleus	154	⁵⁸ Ni ⁵⁸ Ni	156	Au nucleus	156
S C	154	⁵⁸ Ni Ni	156	Au C	156
S Al	154	Ni Cu	156	Au Al	156
S S	154	⁶⁴ Zn ⁴⁸ Ti	156	Au Cu	156
S Cu	154	⁶⁴ Zn ⁵⁸ Ni	156	Au Ag	157
S Ag	154	⁷⁸ Kr ⁵⁸ Ni	156	Au Sn	157
S Wt	154	⁸⁴ Kr p	156	Au Pt	157
S Pt	154	⁸⁴ Kr nucleus	156	Au Au	157
S Au	154	⁸⁴ Kr ⁷ Li	156	Au Pb	157
S Pb	154	⁸⁴ Kr C	156	Au U	157
S U	154	⁸⁴ Kr Al	156	¹⁹⁷ Au p	157
³² S p	154	⁸⁴ Kr ²⁷ Al	156	¹⁹⁷ Au nucleus	157
³² S nucleus	154	⁸⁴ Kr ⁵⁹ Co	156	¹⁹⁷ Au C	157
³² S C	154	⁸⁴ Kr Cu	156	¹⁹⁷ Au Al	157
³² S Al	154	⁸⁴ Kr ⁹³ Nb	156	¹⁹⁷ Au Fe	157
³² S S	154	⁸⁴ Kr ¹⁰⁸ Ag	156	¹⁹⁷ Au Cu	157
³² S ³² S	155	⁸⁴ Kr Sn	156	¹⁹⁷ Au Ag	157
³² S Cu	155	⁸⁴ Kr ¹⁹⁷ Au	156	¹⁹⁷ Au Sn	157
³² S ⁹⁶ Mo	155	⁸⁴ Kr Pb	156	¹⁹⁷ Au Au	157
³² S ¹⁰⁰ Mo	155	Kr p	156	¹⁹⁷ Au ¹⁹⁷ Au	157
³² S Pd	155	Kr nucleus	156	¹⁹⁷ Au Pb	157
³² S Ag	155	Kr Be	156	Pb Pb	157
³² S Wt	155	Kr C	156	²⁰⁸ Pb Cu	157
³² S Pt	155	Kr Al	156	²⁰⁸ Pb Pb	157
³² S Au	155	Kr Cu	156	²⁰⁸ Pb ²⁰⁸ Pb	157
³² S Pb	155	Kr Zr	156	²⁰⁸ Pb ²³² Th	157
³² S U	155	Kr Sn	156	²⁰⁸ Pb ²³⁸ U	157
³⁶ Ar p	155	Kr Pb	156	²⁰⁹ Bi ¹⁹⁷ Au	157
³⁶ Ar nucleus	155	⁸⁶ Kr ⁹ Be	156	²⁰⁹ Bi ²⁰⁸ Pb	157
³⁶ Ar ²⁷ Al	155	⁸⁶ Kr Cu	156	Bi Pb	157
³⁶ Ar ⁴⁸ Ti	155	⁸⁶ Kr Zr	156	²³² Th ¹⁸¹ Ta	157
³⁶ Ar ⁵⁸ Ni	155	⁸⁶ Kr Ta	156	²³² Th ²³² Th	157
³⁶ Ar Ag	155	⁸⁶ Kr ¹⁹⁷ Au	156	²³² Th ²³⁸ U	157
³⁶ Ar ¹¹² Sn	155	Nb C	156	²³² Th ²⁴⁸ Cm	157
³⁶ Ar ¹⁹⁷ Au	155	Nb Nb	156	²³⁸ U nucleus	157
Ar nucleus	155	Ag p	156	²³⁸ U Be	157
Ar C	155	Ag nucleus	156	²³⁸ U ⁹ Be	157
Ar Fl	155	Ag Li	156	²³⁸ U C	157
Ar Na	155	Ag C	156	²³⁸ U Al	157
Ar Ca	155	Ag Al	156	²³⁸ U ²⁷ Al	157
Ar Nb	155	Ag Cu	156	²³⁸ U Cu	157
Ar La	155	Ag Sn	156	²³⁸ U ¹¹⁰ Pd	157
Ar Pb	155	Ag Pb	156	²³⁸ U Ag	157
⁴⁰ Ar p	155	Xe La	156	²³⁸ U In	157
⁴⁰ Ar nucleus	155	¹²⁹ Xe ²⁷ Al	156	²³⁸ U ¹⁸¹ Ta	157
⁴⁰ Ar C	155	¹²⁹ Xe Cu	156	²³⁸ U Au	157
⁴⁰ Ar Nit	155	¹²⁹ Xe ¹³⁹ La	156	²³⁸ U ¹⁹⁷ Au	157
⁴⁰ Ar O	155	¹²⁹ Xe ¹⁹⁷ Au	156	²³⁸ U Pb	157
⁴⁰ Ar Al	155	¹³¹ Xe nucleus	156	²³⁸ U ²⁰⁸ Pb	157
⁴⁰ Ar Cl	155	¹³² Xe p	156	²³⁸ U ²³² Th	157
⁴⁰ Ar KK	155	¹³² Xe nucleus	156	²³⁸ U ²³⁸ U	157
⁴⁰ Ar ⁴⁰ Ca	155	¹³⁶ Xe Be	156	²³⁸ U U	157
⁴⁰ Ar ⁴⁵ Sc	155	¹³⁶ Xe C	156	²³⁸ U ²⁴⁸ Cm	157
⁴⁰ Ar Br	155	¹³⁶ Xe Pb	156		
⁴⁰ Ar ¹⁰³ Rh	155	¹³⁹ La p	156		
⁴⁰ Ar Ag	155	¹³⁹ La nucleus	156		
⁴⁰ Ar La	155	¹³⁹ La C	156		
⁴⁰ Ar ¹⁹⁷ Au	155	¹³⁹ La ¹² C	156		
⁴⁰ Ar ²³⁸ U	155	¹³⁹ La ²⁷ Al	156		
Ca Ca	155	¹³⁹ La ⁴⁰ Ca	156		
⁴⁰ Ca p	155	¹³⁹ La ⁵¹ Va	156		
⁵² Cr p	155	¹³⁹ La Cu	156		
⁵⁶ Fe p	155	¹³⁹ La ¹³⁹ La	156		
⁵⁶ Fe nucleus	155	¹³⁹ La La	156		

γ	ν_e	ν_μ	q
$> 1.6 \cdot 10^{-9}$ 0.03 - 0.42 0.1 - 4 > 20 > 40 $3000 - 1.5 \cdot 10^4$	0.006 - 0.03 > 0.007	0.2 - 2.6 0.2 - 20 $0.25 - 10^4$ 0.3 - 1.5	? Mori 90 neutralino ? Bottino 92 dark ?
Eschstruth 94 Baillon 92 $5000 - 5 \cdot 10^6$ $> 10^4$ $> 5 \cdot 10^4$ $> 6 \cdot 10^4$ $6.5 \cdot 10^4 - 2 \cdot 10^5$	0.0075 - 0.015 > 0.0075	> 0.3 0.5 - 2.5 > 0.8 < 1 > 1 < 2 > 2.5 ?	? Alcock 95 Bacci 94 Mosca 94 Su 94 Bacci 93 Smith 93 Stubbs 93 Bacci 92 Casper 90 Bottino 92 Bacci 91 Verkerk 91
$10^5 - 10^6$ $> 10^5$	> 0.0093 0.01 > 0.01 < 0.014	$\bar{\nu}_\mu$ > 0.0075 0.2 - 1.5 $0.25 - 10^4$ 0.3 - 1.5	monopole ? Ahlen 94 Beckerszendy 94 Adams 93E Allison 93 Hong 93 Thron 92 Thron 92B
$> 2 \cdot 10^5$ $> 2.5 \cdot 10^5$ $> 10^6$?	0.02 - 0.05 0.05 - 0.1 0.1 - 1.5	> 0.3 0.5 - 2.5 < 1 < 2 ?	unspec $3 \cdot 10^7 - 3 \cdot 10^{10}$ Hayashida 95 $10^8 - 10^{11}$ Sokolsky 92 $> 3 \cdot 10^9$ Yoshida 95 $1.7 \cdot 10^{11} - 2.6 \cdot 10^{11}$ Hayashida 94
axion $2.8 \cdot 10^{-6} - 8.8 \cdot 10^{-6}$ Lazarus 92	> 0.1 0.2 - 1.5 0.2 - 2.6 0.2 - 20 > 0.2 0.3 - 1.5 0.32 - 31.6 0.5 - 2.5 > 0.8 < 1 > 1 > 1.33 < 2	e^\pm > 1 Enomoto 91B e^- 0.0449 - 0.52 Galper 93 Golden 92 4.5 - 50 Barwick 96 e^+ 1.3 - 26 Golden 92 4.5 - 50 Barwick 96 μ^\pm > 1 > 1.7 > 30 > 700 $1000 - 5 \cdot 10^4$ $1000 - 10^5$ 10^4 $> 2 \cdot 10^4$ $> 3 \cdot 10^4$?	charged > 60 Hirata 92 $6.5 \cdot 10^4 - 2 \cdot 10^5$ Karle 95 hadron $3.2 - 1.78 \cdot 10^4$ Mielke 94 Glushkov 95 hadron⁰ $10 - 10^4$ Kornmayer 95 charged-hadron $10 - 10^4$ Kornmayer 95 nucleon $900 - 1.2 \cdot 10^4$ Bakatanov 92 p 0.5992 - 1.09 Yoshimura 95 0.8 - 1.8 Bogomolov 94 > 2000 Ivanenko 93 $10^4 - 2 \cdot 10^5$ Zatsepin 94 Adamov 93B $2 \cdot 10^4 - 4 \cdot 10^5$ Zatsepin 94B $2 \cdot 10^4 - 2 \cdot 10^6$ Vildanova 94B $5 \cdot 10^4 - 5 \cdot 10^5$ Aglietta 94B $10^5 - 2 \cdot 10^6$ Antonov 94 $10^6 - 10^8$ Atrashkevich 94 $3 \cdot 10^8 - 10^{11}$ Bird 93
graviton ? Astone 93	> 0.1 0.2 - 1.5 0.2 - 2.6 0.2 - 20 > 0.2 0.3 - 1.5 0.32 - 31.6 0.5 - 2.5 > 0.8 < 1 > 1 > 1.33 < 2	μ^- > 0.9944 1000 - 1600 Yamada 91 Munakata 91 μ^+ 0.2 - 2 1000 - 1600 Yamada 91 Munakata 91 heavy-ν 0.004 - 0.3 Dodelson 92	hadron $3.2 - 1.78 \cdot 10^4$ Mielke 94 Glushkov 95 hadron⁰ $10 - 10^4$ Kornmayer 95 charged-hadron $10 - 10^4$ Kornmayer 95 nucleon $900 - 1.2 \cdot 10^4$ Bakatanov 92 p 0.5992 - 1.09 Yoshimura 95 0.8 - 1.8 Bogomolov 94 > 2000 Ivanenko 93 $10^4 - 2 \cdot 10^5$ Zatsepin 94 Adamov 93B $2 \cdot 10^4 - 4 \cdot 10^5$ Zatsepin 94B $2 \cdot 10^4 - 2 \cdot 10^6$ Vildanova 94B $5 \cdot 10^4 - 5 \cdot 10^5$ Aglietta 94B $10^5 - 2 \cdot 10^6$ Antonov 94 $10^6 - 10^8$ Atrashkevich 94 $3 \cdot 10^8 - 10^{11}$ Bird 93
ν 0.0005 - 0.015 Gates 91 0.004 - 0.3 Dodelson 92 0.07 - 2.5 Losecco 93 2 - 100 Aglietta 91 > 10 Suzuki 91B $10^4 - 10^6$ Aglietta 94 Allison 93 Enqvist 92 Koshiha 92 Totsuka 91	0.005 - 0.05 Konishi 93 Losecco 92 Mayle 92 Mukhopadhyaya 91 Hirata 92 > 0.0075 Vignaud 95 Vignaud 95 Kajita 92 Dadykin 93 Ketov 92 Skorokhvatov 92 Mayle 92 Mukhopadhyaya 91 Barloutaud 93 Beckerszendy 91 Hirata 91C Totsuka 92B Beier 92 Daum 95B Losecco 95 < 1 > 2 $6.4 \cdot 10^6$?	e^\pm > 1 Enomoto 91B e^- 0.0449 - 0.52 Galper 93 Golden 92 4.5 - 50 Barwick 96 e^+ 1.3 - 26 Golden 92 4.5 - 50 Barwick 96 μ^\pm > 1 > 1.7 > 30 > 700 $1000 - 5 \cdot 10^4$ $1000 - 10^5$ 10^4 $> 2 \cdot 10^4$ $> 3 \cdot 10^4$? μ^- > 0.9944 1000 - 1600 Yamada 91 Munakata 91 μ^+ 0.2 - 2 1000 - 1600 Yamada 91 Munakata 91 heavy-ν 0.004 - 0.3 Dodelson 92	hadron $3.2 - 1.78 \cdot 10^4$ Mielke 94 Glushkov 95 hadron⁰ $10 - 10^4$ Kornmayer 95 charged-hadron $10 - 10^4$ Kornmayer 95 nucleon $900 - 1.2 \cdot 10^4$ Bakatanov 92 p 0.5992 - 1.09 Yoshimura 95 0.8 - 1.8 Bogomolov 94 > 2000 Ivanenko 93 $10^4 - 2 \cdot 10^5$ Zatsepin 94 Adamov 93B $2 \cdot 10^4 - 4 \cdot 10^5$ Zatsepin 94B $2 \cdot 10^4 - 2 \cdot 10^6$ Vildanova 94B $5 \cdot 10^4 - 5 \cdot 10^5$ Aglietta 94B $10^5 - 2 \cdot 10^6$ Antonov 94 $10^6 - 10^8$ Atrashkevich 94 $3 \cdot 10^8 - 10^{11}$ Bird 93
ν_e > 0.0002 Abdurashitov 94 Morrison 93B Rich 93 Bethe 92 Morrison 92B Spiro 92 Abazov 91 Bowles 93 > 0.00023 > 0.000233 Anselmann 95B Vignaud 95 Anselmann 94 Stolarczyk 93 Anselmann 93 Morrison 93 Morrison 93B Anselmann 92 0.00042 - 0.00086 Morrison 93 Morrison 93B Anselmann 92 Vignaud 95 Morrison 93B Rich 93 Anselmann 92B Bethe 92 Morrison 92B Spiro 92 > 0.00081 Bowles 93 Suzuki 93 0.005 - 0.01 Vignaud 95 Suzuki 90B 0.005 - 0.05 Barloutaud 93 Konishi 93 Losecco 92 Mayle 92 Mukhopadhyaya 91 Bowles 93 > 0.005	$\bar{\nu}_e$ 0.005 - 0.05 Konishi 93 Losecco 92 Mayle 92 Mukhopadhyaya 91 Hirata 92 > 0.0075 Vignaud 95 Vignaud 95 Kajita 92 Dadykin 93 Ketov 92 Skorokhvatov 92 Mayle 92 Mukhopadhyaya 91 Barloutaud 93 Beckerszendy 91 Hirata 91C Totsuka 92B Beier 92 Daum 95B Losecco 95 < 1 > 2 $6.4 \cdot 10^6$? ν_μ 0.005 - 0.05 Barloutaud 93 > 0.0075 Vignaud 95 0.05 - 0.1 Barloutaud 93 0.2 - 1.5 Totsuka 92B	μ^- > 0.9944 1000 - 1600 Yamada 91 Munakata 91 μ^+ 0.2 - 2 1000 - 1600 Yamada 91 Munakata 91 heavy-ν 0.004 - 0.3 Dodelson 92	n $10 - 10^4$ Kornmayer 95 \bar{p} 0.5992 - 1.09 Yoshimura 95 strangelet ? Astone 93B Ahlen 92C Nakamura 91 Orito 91

nucleus

γ $^2\text{H}(\text{atom})$

nucleus	$\gamma \gamma$	γP	γP
100 - 10 ⁷ Adamov 94	(1.295)	0.032 - 0.072 (0.9697 - 1.008)	(40 - 140) Derrick 95F
> 2000 Ivanenko 93	(1.3)	Federspiel 91	Haas 94
10 ⁴ - 10 ⁵ Varkovitsky 93		0.07 - 0.15 (1.006 - 1.078)	(40 - 160) Mass 95
10 ⁴ - 2 · 10 ⁵ Zatsepin 94	(1.3 - 3)	Macgibbon 95	(50 - 180) Mass 95
10 ⁴ - 10 ⁹ Adamov 93B	(1.32)	0.098 - 0.132 (1.032 - 1.062)	(50 - 280) Wolf 94
2 · 10 ⁴ - 2 · 10 ⁶ Vildanova 94B	(1.37)	Zieger 92	(55 - 187) Aid 96
3 · 10 ⁴ - 10 ⁷ Longley 95	(1.5 - 3.5)	0.136 - 0.289 (1.066 - 1.193)	(60 - 80) Derrick 95Q
5 · 10 ⁴ - 5 · 10 ⁵ Aglietta 94B	(1.52)	Hallin 93	Haas 94
5 · 10 ⁴ - 5.6 · 10 ⁸ Ahlen 92	(1.525)	0.184 - 0.213 (1.107 - 1.131)	(60 - 250) Derrick 94F
10 ⁵ - 2 · 10 ⁶ Antonov 95	(1.59)	Pust 91	(90) Brisson 94B
10 ⁵ - 2 · 10 ⁶ Antonov 95B		0.21 - 0.96 (1.129 - 1.638)	(90 - 290) Levy 95
10 ⁶ - 10 ⁷ Danilova 92		Buchler 91	Kiesling 94
10 ⁶ - 10 ⁸ Atrashkevich 94	(1.6 - 3)	0.22 - 0.9 (1.137 - 1.603)	Ahmed 92D
10 ⁶ - 10 ⁸ Voevodsky 93	(1.6 - 3.4)	Buchler 94	Lohr 95
10 ⁶ - 5 · 10 ⁸ Atrashkevich 93	(1.6 - 7.5)	0.243 - 0.314 (1.156 - 1.212)	Derrick 93C
10 ⁶ - 10 ¹¹ Vildanova 94	(1.67)	Blanpied 92	Derrick 92B
> 10 ⁷ Barnaveli 95	(1.71)	0.35 (1.23) Ganenko 91	Labarga 94
3 · 10 ⁸ - 10 ¹⁰ Gaisser 93	(1.81)	0.4 - 0.8 (1.277 - 1.543)	Wolf 92
3 · 10 ⁸ - 10 ¹¹ Bird 93	(1.87)	0.55 - 0.95 (1.383 - 1.632)	Brisson 94B
? Su 94	(1.9 - 2.3)	0.627 - 0.79 (1.434 - 1.537)	Bargende 95
deuteron	(2 - 3.25)	0.7 - 1 (1.481 - 1.66)	Derrick 95
1.6 - 3.6 Bogomolov 94	(2 - 7.5)	0.7 - 1.6 (1.481 - 1.97)	Garbincius 95
2.926 - 5.144 Bogomolov 95	(2 - 9)	0.707 - 0.723 (1.486 - 1.496)	Haas 94
³He	(2 - 25)	Anton 92	Harnew 94
17.27 Hatano 95	(2.1 - 3.4)	0.707 - 0.79 (1.486 - 1.537)	Derrick 95O
⁴He	(2.2)	Krusche 95	Feld 93
3.2 - 7.2 Bogomolov 94	(2.98)	0.708 - 0.72 (1.486 - 1.494)	Ahmed 94C
5.838 - 10.27 Bogomolov 95	(< 3)	Price 95	Burow 94
23.03 Hatano 95	(3.555)	0.729 - 0.753 (1.499 - 1.514)	Kiesling 94
5 · 10 ⁴ - 5 · 10 ⁵ Aglietta 94B	(3.556)	Dytman 95	Abt 93D
10 ⁶ - 10 ⁸ Atrashkevich 94	(3.56)	0.875 - 1.175 (1.588 - 1.756)	Erdmann 93
He	(< 4)	0.957 - 1.476 (1.636 - 1.911)	Levy 95
> 2000 Ivanenko 93	(4 - 9)	0.96 - 1.47 (1.638 - 1.908)	Lohr 95
10 ⁴ - 2 · 10 ⁵ Zatsepin 94	(4 - 15)	Lindemann 93	Derrick 94
Fe	(4 - 20)	1.15 (1.743) Breuer 95	Abramowicz 93
5 · 10 ⁴ - 5 · 10 ⁵ Aglietta 94B	(< 5)	1.3 - 2.1 (1.822 - 2.196)	Pavel 93
10 ⁶ - 10 ⁸ Atrashkevich 94	(< 10)	Merkel 93	Levy 95
$\gamma \gamma$	(2 - 3.873)	1.32 - 2.02 (1.832 - 2.161)	Krasny 93B
(2 - 3.873) Finch 93	?	Jungst 94	Wolf 92
(0.1 - 1.5) Tanaka 91		1.5 - 1.95 (1.922 - 2.131)	Dainton 94
(0.135) Bienlein 91		Merkel 93	Deroeck 94
(0.3 - 20) Morgan 94		3.7 - 18.3 (2.797 - 5.935)	Feltesse 94
(0.35 - 1.6) Kaloshin 94		Arneodo 92	Kiesling 94
(0.5 - 3.5) Bauer 93		17.6 - 21 (5.823 - 6.347)	Berger 93
(0.545) Bienlein 91		Condo 91	Krasny 93B
(0.7 - 1.6) Kaloshin 94		19.3 (6.091) Condo 94	Levonian 93
(0.75 - 2) Harjes 91B		Condo 93	Eisele 92
(0.8 - 2) Harjes 91		20 - 70 (6.198 - 11.4)	
(0.908) Kaloshin 94		Landsberg 91	
(0.958) Bienlein 91		Landsberg 90	
(0.98) Karch 91		20 - 310 (6.198 - 24.14)	
(1 - 1.5) Bienlein 91		50 - 400 (9.732 - 27.41)	
(1 - 2.1) Feindt 90		Conrad 95	
(1.1 - 2.3) Yabuki 94		Adams 94	
(1.2 - 2.2) Bienlein 91		Naples 94	
(1.24) Albrecht 90M		60 - 170 (10.65 - 17.89)	
(1.25 - 4.25) Albrecht 91N		Apsimon 92	
(1.27) Bienlein 92		Apsimon 91	
(1.27) Bienlein 91		Apsimon 93	
(1.27) Karch 91		Apsimon 92B	
(1.27) Baru 92		Gebert 92	
(1.27) Bienlein 91		Apsimon 91B	
(1.27) Blinov 91B		Fiedler 91	
(1.27) Bienlein 92		Hofmann 91	
(1.27) Harjes 91B		70 - 170 (11.4 - 17.89)	
(1.27) Karch 91		Apsimon 90C	
(1.27) Feindt 90		80 - 230 (12.29 - 20.7)	
(1.275) Yabuki 94		Anjos 92C	
		Anjos 92D	
		100 (13.73) Spiegel 91	
		100 - 260 (13.73 - 22.11)	
		Spiegel 91	
		(20 - 80) Levonian 93	
		(30 - 180) Ahmed 94D	
		Haas 94	
			γn
			0.627 - 0.79 (1.436 - 1.539)
			Krusche 95B
			0.9592 - 1.075 (1.639 - 1.704)
			Merkel 93
			γ muonium
			? Mamedov 92
			2γ H(atom)
			? Schmidtkaler 94
			Weitz 94
			γ H(atom)*
			? Berkeland 95
			γ $^2\text{H}(\text{atom})$
			? Schmidtkaler 94
			Weitz 94

Entries are in order of beam name, then target name, then beam momentum. Particle names are ordered as described in the legend on page 119 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 120. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are equivalent p_{lab} in GeV/c; then E_{cm} in GeV follows in parentheses. For certain initial states only E_{cm} (in parentheses) is given.

γ Tl(atom) γ Sn

γ Tl(atom)	Edwards 95 Vetter 95 Wolfenden 91	γ ³ He	0.195 - 0.304 (2.983 - 3.084) Ruth 94 0.2 - 0.45 (2.988 - 3.213) Audit 93 0.2 - 0.5 (2.988 - 3.256) Emura 94 0.2 - 0.8 (2.988 - 3.504) Isbert 94 0.21 - 0.45 (2.997 - 3.213) Dhose 93 0.235 - 0.305 (3.02 - 3.084) Tedeschi 94 1.2 (3.8) Zyalov 95	γ Be	Frabetti 94G Frabetti 94I Frabetti 94J Johns 94 Moroni 94 Moroni 94 Frabetti 93G Frabetti 93H Frabetti 92C 221 (61.49) Frabetti 94D Frabetti 93F Frabetti 92B Frabetti 92D Frabetti 94E 320 (73.78)	γ ¹⁵ Nit	0.22 (14.19) Shaw 95		
γ Pb(atom)	Meekhof 93	γ ⁴ He	0.04 - 0.08 (3.766 - 3.805) Lyakhno 96 0.135 - 0.455 (3.859 - 4.156) Emura 91 Emura 91B 0.1405 (3.864) Igarashi 95 0.145 - 0.225 (3.868 - 3.945) Maruyama 93 0.145 - 0.425 (3.868 - 4.129) Maruyama 93 0.187 - 0.28 (3.909 - 3.996) Dellicarpini 91	γ ⁹ Be	0.35 (8.726) Ganenko 91	γ O	0.227 - 0.391 (15.13 - 15.29) Arends 91		
γ nucleus	Terranova 94 100 - 350 Frabetti 93C 200 Frabetti 93E 220 Frabetti 93 Frabetti 93I Zallo 93 221 Frabetti 95C Frabetti 94H Cheung 93 Frabetti 93B Frabetti 92 Frabetti 92E Frabetti 91 Spiegel 91	γ Li	0.3 - 1.2 (6.758 - 7.57) Bianchi 94	γ C	0.184 - 0.213 (11.37 - 11.3) Fissum 96 0.2 - 0.5 (11.39 - 11.68) Wissmann 94 0.2 - 1.1 (11.39 - 12.24) Anghinolfi 93 0.227 - 0.391 (11.41 - 11.57) Arends 91 0.3 - 1.2 (11.48 - 12.33) Bianchi 94 0.4 - 1.2 (11.58 - 12.33) Bianchi 93C 0.69 - 1.95 (11.86 - 12.99) Avakyan 91F 2 - 3 (13.04 - 13.87) Astabatyan 91 3.7 - 18.3 (14.42 - 23.12) Arneodo 92 < 4.5 (< 15.03) Avakyan 91F 50 - 400 (35.27 - 95.27) Conrad 95 Naples 94	γ ¹⁶ O	0.018 - 0.048 (14.92 - 14.95) Kirichenko 95 0.058 - 0.075 (14.96 - 14.97) Hager 95 0.08 - 0.131 (14.98 - 15.03) Macgregor 91		
γ deuteron	0.02 - 0.1 (1.895 - 1.973) Zieger 92B 0.034 - 0.606 (1.909 - 2.406) Voitsekhovsk 92 0.054 - 0.088 (1.929 - 1.962) Krause 92 0.063 - 0.071 (1.938 - 1.945) Debevec 92 0.113 - 0.315 (1.985 - 2.168) Blanpied 95 0.133 - 0.158 (2.004 - 2.027) Wallace 91 0.191 - 0.222 (2.058 - 2.086) Caracappa 91 0.192 - 0.536 (2.059 - 2.351) Ganenko 92 0.2 (2.066) Kolb 94 0.2 - 0.367 (2.066 - 2.212) Zyalov 91 0.235 (2.097) Sarty 93 0.25 - 0.5 (2.111 - 2.322) Ganenko 93 0.29 (2.146) Adams 95B 0.29 - 0.45 (2.146 - 2.282) Avakyan 91E 0.3 - 0.6 (2.155 - 2.402) Ganenko 92B 0.4 - 0.7 (2.24 - 2.479) Schenk 93 0.5 - 0.7 (2.322 - 2.479) Schutz 93 0.57 - 0.85 (2.378 - 2.58) Asai 92 0.627 - 0.79 (2.423 - 2.546) Krusche 95B 0.8 - 1.8 (2.553 - 3.205) Freedman 93B < 1 (< 2.696) Garcilazo 95 1.5 - 2.8 (3.024 - 3.744) Belz 95 3.7 - 18.3 (4.171 - 8.495) Arneodo 92 < 4.5 (< 4.516) Avakyan 91F 50 - 400 (13.82 - 38.78) Conrad 95 Naples 94	γ ⁶ Li	0.06 (5.649) Ryckbosch 94 0.3 - 0.45 (5.881 - 6.022) Belousov 91 0.35 (5.929) Ganenko 91	γ ¹² C	0.044 - 0.098 (11.22 - 11.28) Mori 95 0.0545 - 0.0615 (11.23 - 11.24) Annand 93 0.058 - 0.075 (11.24 - 11.25) Hager 95 0.08 - 0.157 (11.26 - 11.34) Harty 95 McGeorge 95 0.137 - 0.2806 (11.32 - 11.46) Igarashi 95 0.17 - 0.177 (11.35 - 11.36) Gothe 95 0.187 - 0.227 (11.37 - 11.4) Hackett 96 0.192 (11.37) Choi 94 0.2 - 0.5 (11.38 - 11.67) Cross 95 0.3 - 0.45 (11.48 - 11.62) Belousov 91 0.35 (11.52) Ganenko 91 0.696 - 0.796 (11.86 - 11.95) Weinstein 93 0.7 - 1.1 (11.86 - 12.23) Maeda 94 0.8 - 1.1 (11.95 - 12.23) Yamazaki 95 < 4.5 (< 15.02) Egiyan 93	γ Al	0.3 - 1.2 (25.43 - 26.31) Bianchi 94 2 - 3 (27.06 - 27.97) Astabatyan 91 < 4.5 (< 29.29) Avakyan 91F < 5 (< 29.72) Amroyan 93C 50 - 400 (56.08 - 144) Conrad 95 Naples 94		
γ ³ He	0.09 - 0.25 (2.883 - 3.034) Sarty 93 0.135 - 0.455 (2.926 - 3.217) Emura 94B 0.145 - 0.225 (2.936 - 3.011) Maruyama 93 0.145 - 0.425 (2.936 - 3.191) Maruyama 93 0.166 - 0.213 (2.956 - 2.99) Kolb 94	γ ⁷ Li	0.35 (6.861) Ganenko 91	γ ¹³ C	0.17 - 0.177 (12.28 - 12.28) Gothe 95 0.192 (12.2) Choi 94	γ ²⁷ Al	0.3 - 0.45 (25.45 - 25.5) Belousov 91 0.35 (25.4) Ganenko 91		
		γ Be	0.2 - 1.1 (8.593 - 9.431) Anghinolfi 93 0.227 - 0.391 (8.619 - 8.777) Arends 91 0.69 - 1.95 (9.059 - 10.16) Avakyan 91F 50 - 400 (30.17 - 82.38) Conrad 95 Naples 94 80 - 230 (37.5 - 62.71) Garbincius 95 Freyberger 94 Kwan 93 Anjos 92B Potter 91 80 - 240 (37.5 - 64.03) Anjos 92 Anjos 91C Anjos 91D Anjos 90 121 - 374 (45.85 - 79.69) Frabetti 93D 145 (50.05) Anjos 91 Anjos 91B Frabetti 95 Frabetti 95B Frabetti 95D Frabetti 95I Fujino 95 Gardner 95 Kwan 93 Shukla 92 Shukla 92B 220 (61.35) Frabetti 95E Frabetti 95F Frabetti 95H Garbincius 95 Frabetti 94 Frabetti 94B Frabetti 94C Frabetti 94F	γ ¹⁰ B	0.69 - 1.95 (11.86 - 12.99) Avakyan 91F 2 - 3 (13.04 - 13.87) Astabatyan 91 3.7 - 18.3 (14.42 - 23.12) Arneodo 92 < 4.5 (< 15.03) Avakyan 91F 50 - 400 (35.27 - 95.27) Conrad 95 Naples 94	γ Si	50 - 200 (57.45 - 105.6) Garbincius 95 Alvarez 91B	γ Ca	0.184 - 0.213 (37.52 - 37.55) Fissum 96
		γ Ti	0.227 - 0.391 (44.85 - 45.01) Arends 91	γ Cu	0.3 - 0.45 (59.4 - 59.65) Belousov 91 0.3 - 1.2 (59.4 - 60.39) Bianchi 94 0.69 - 1.95 (59.88 - 61.12) Avakyan 91F 3.7 - 18.3 (62.79 - 75.31) Arneodo 92 Amroyan 93C 50 - 400 (97.08 - 225.5) Conrad 95 Naples 94	γ ⁶⁵ Cu	4.5 (64.89) Arakelyan 91		
		γ Nb	< 5 (< 91.41) Amroyan 93C	γ Ag	2 - 3 (102.5 - 103.4) Astabatyan 91 < 5 (< 105.4) Amroyan 93C	γ Cd	0.3 - 0.45 (104 - 105.1) Belousov 91		
		γ ¹¹⁸ Sn	4.5 (114.3) Aleksandryan 93	γ Sn	0.184 - 0.213 (110.7 - 110.8) Fissum 96 0.3 - 1.2 (110.9 - 111.8) Bianchi 94 < 4.5 (< 114) Alexandryan 94				

γ Sn

$\bar{\nu}_e$ deuteron

γ Sn	γ crystal	$\nu_e e^-$	$\nu_e {}^{71}\text{Ga}$
Avakyan 91F	100 Bassompierre 95	0.005 - 0.05 (0.002315 - 0.00715)	Spiro 92 Abazov 91
γ Ta	$\gamma^* \gamma^*$	Konishi 93 Losecco 92	> 0.00023 (> 66.1)
4 (172.5) Amroyan 93 < 5 (< 173.5) Amroyan 93C	(0.25 - 12) Akers 93C (0.7625 - 1.188) Behrend 92 Dominick 94 Suzuki 93C	> 0.005 (> 0.002315) > 0.007 (> 0.00272)	Bowles 93 0.000233 - 0.00042 (66.1 - 66.1) Anselmann 93
$\gamma {}^{181}\text{Ta}$	(1.5 - 5) Dominick 94 (< 58) Suzuki 93C	Morrison 93 Morrison 93B Anselmann 92B Bethe 92 Morrison 92B	> 0.000233 (> 66.1) Anselmann 95B Vignaud 95 Anselmann 94 Stolarczyk 93
4 (172.6) Amroyan 93B	γ^* nucleon	Vignaud 95 Suzuki 91C	< 0.00042 (< 66.1)
$\gamma {}^{184}\text{Wt}$	$\gamma^* p$	Suzuki 91C Spiro 92	Morrison 93 Morrison 93B Anselmann 92
0.35 (171.7) Ganenko 91	40 - 180 Arneodo 95D	> 0.0075 (> 0.002812)	0.00042 - 0.00086 (66.1 - 0)
γ Au	(50 - 240) Wolf 94 (100 - 295) Kniehl 94 Ahmed 92E	> 0.0093 (> 0.003122)	Morrison 93 Morrison 93B Anselmann 92
2 - 3 (185.5 - 186.4) Astatatyan 91	$\gamma^* p$	> 0.01 (> 0.003234)	Morrison 93 Morrison 93B Anselmann 92
γ Pb	gluon g	0.02 - 0.053 (0.004545 - 0.00737)	< 0.00042 (< 66.1)
0.184 - 0.213 (193.2 - 193.2) Fissum 96	? Abe 93E	Radel 93 Burman 91	Morrison 93 Morrison 93B Anselmann 92
0.227 - 0.391 (193.2 - 193.4) Arends 91	$H^0 p$	ν_e nucleon	0.00042 - 0.00086 (66.1 - 66.1)
0.3 - 1.2 (193.3 - 194.2) Bianchi 94	< 70 Blumlein 91	0 - 10 (0.94 - 4.437)	Morrison 93 Morrison 93B Anselmann 92
0.69 - 1.95 (193.7 - 194) Avakyan 91F	$H^0 C$	< 1.5 (< 1.924)	Morrison 93 Morrison 93B Anselmann 92
3.7 - 18.3 (196.7 - 210.5) Arneodo 92	< 70 Blumlein 91	Suzuki 93	0.000426 - 0.000751 (66.1 - 66.1)
< 4.5 (< 197.5) Avakyan 91F	axion γ^*	$\nu_e n$	< 0.014 (< 66.11)
50 - 400 (237.8 - 437.8) Conrad 95 Naples 94	0 Ruoso 92 $2.8 \cdot 10^{-6} - 8.8 \cdot 10^{-6}$ Lazarus 92	20 - 30 (6.202 - 7.567) Vilain 94B	Morrison 93 Morrison 93B Anselmann 92 Anselmann 92B Morrison 93
$\gamma {}^{208}\text{Pb}$	axion p	ν_e nucleus	> 0.2 (> 66.2)
0 - 1.85 (193.8 - 195.6) Arakelyan 95	< 70 Blumlein 91	> 0.0075 Vignaud 95 < 1 Allison 93B Goodman 92 Ammosov 92B	$\bar{\nu}_e e^-$
0.058 (193.8) Fuhrberg 92	axion C	ν_e deuteron	0.0002 - 0.002 (0.0007 - 0.002) Derbin 92
0.058 - 0.075 (193.8 - 193.8) Fuhrberg 92	< 70 Blumlein 91	> 0.005 (> 1.881) Bowles 93	0.0006 - 0.0052 (0.0009 - 0.002) Derbin 92B
$\gamma {}^{209}\text{Bi}$	νe^-	$\nu_e {}^{11}\text{Bor}$	0.0015 - 0.0045 (0.001 - 0.002) Radel 93
0 - 1.85 (194.7 - 196.5) Arakelyan 95	> 0.005 (> 0.002315) Bowles 93 > 0.0075 (> 0.002812) Vignaud 95	> 0.00198 (> 10.25) Bowles 93	0.002 - 0.009 (0.0015 - 0.003) Vidyakin 91
$\gamma {}^{232}\text{Th}$	ν nucleus	$\nu_e {}^{12}\text{C}$	0.004 - 0.01 (0.002 - 0.003) Radel 93 Vidyakin 92
0.25 - 1.2 (216.4 - 217.3) Bianchi 93	> 1 Sato 90 19.3 - 23.8 Gruwe 93	0 - 0.035 (11.18 - 11.21) Armbruster 94	6.4 · 10 ⁶ (80.7) Aglietta 94
$\gamma {}^{235}\text{U}$	ν deuteron	0 - 0.0528 (11.18 - 11.23) Bodmann 94 Bodmann 94B Kretschmer 94B Bodmann 92 Drexlin 91	$\bar{\nu}_e$ nucleon
0 - 1.85 (218.9 - 220.7) Arakelyan 95	0 - 260 (1.876 - 31.29) Tenner 91	$\nu_e {}^{37}\text{Cl}$	0 - 10 (0.94 - 4.437) Borodovsky 92
0.05 - 0.8 (218 - 219.7) Frommhold 94	> 0.005 (> 1.881) Bowles 93	> 0.0008 (> 34.47) Vignaud 95 Morrison 93B Rich 93 Anselmann 92B Bethe 92 Morrison 92B Spiro 92	< 1.5 (< 1.924) Suzuki 93
0.06 - 0.24 (218 - 219.1) Ivanov 94	$\nu {}^{11}\text{Bor}$	$\bar{\nu}_e p$	0 - 53 (0.9383 - 10.02) Freedman 93
$\gamma {}^{238}\text{U}$	> 0.0045 (> 10.25) Bowles 93	0.002 - 0.009 (0.9403 - 0.9472) Vidyakin 94 Kuvshinnikov 91 Mikaelyan 91 Vidyakin 91	0.002 - 0.01 (0.9403 - 0.9482) Vyrodov 95 Declais 94
0.05 - 0.8 (221.8 - 222.5) Frommhold 94	ν Fe	0.005 - 0.02 (34.47 - 34.48) Vignaud 95 Suzuki 90B Morrison 93	0.005 - 0.05 (0.9433 - 0.987) Konishi 93 Losecco 92
0.06 - 0.24 (221.8 - 221.9) Ivanov 94	10 - 260 (61.21 - 172.5) Hughes 93B Virchaux 92 Berge 89	$\nu_e {}^{40}\text{Ar}$	< 0.01 (< 0.9482) Achkar 95 Ketov 92 Skorokhvatov 92
0.2 - 1.2 (221.9 - 222.9) Bianchi 93B	60 - 165 (94.5 - 140) Choban 91	> 0.01 (> 37.27) Bowles 93	0.01 (0.9482) Grassi 93
0.25 - 1.2 (221.9 - 222.9) Bianchi 93	$\bar{\nu}$ deuteron	$\nu_e {}^{71}\text{Ga}$	20 - 30 (6.198 - 7.562) Vilain 94B
$\gamma {}^{237}\text{Np}$	0 - 260 (1.876 - 31.29) Tenner 91	> 0.0002 (> 66.1) Abdurashitov 94 Morrison 93B Rich 93 Bethe 92 Morrison 92B	$\bar{\nu}_e$ deuteron
0.06 - 0.24 (220.8 - 220) Ivanov 94 Ivanov 92	$\bar{\nu}$ Fe		0.002 - 0.009 (1.878 - 1.885) Mikaelyan 91 Vidyakin 91
$\gamma {}^{239}\text{Pu}$	10 - 260 (61.21 - 172.5) Hughes 93B Virchaux 92 Berge 89		
0 - 1.85 (222.6 - 224.5) Arakelyan 95	$\nu_e e^-$		
$\gamma {}^{243}\text{Am}$	0 - 0.01 (0.00051 - 0.003234) Suzuki 93 0 - 0.053 (0.00051 - 0.00737) Allen 93 Allen 91 Krakauer 91 Suzuki 93		

Entries are in order of beam name, then target name, then beam momentum. Particle names are ordered as described in the legend on page 119 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 120. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are equivalent p_{lab} in GeV/c; then E_{cm} in GeV follows in parentheses. For certain initial states only E_{cm} (in parentheses) is given.

$\nu_{\mu} e^{-}$ $\bar{\nu}_{\mu} Fe$

$\nu_{\mu} e^{-}$	ν_{μ} nucleus	$\nu_{\mu} Fe$	$\bar{\nu}_{\mu}$ nucleus
1.3 (0.03642) Radel 93 2 (0.04517) Radel 93 10 - 160 (0.1 - 0.403) Dorenbosch 89 10.9 - 23.8 (0.1054 - 0.1558) Vilain 95B > 10.9 (> 0.1054) Vilain 95B 10.9 - 600 (0.1054 - 0.7823) Fetscher 93 10.9 - 23.8 (0.1054 - 0.7823) Vilain 95B > 10.9 (> 0.1054) Vilain 95B 20 (0.1428) Vilain 94C 23.7 (0.1555) Vilain 94 Vilain 94D Vilain 93 Vilain 93B Rolandi 92 Vilain 92 23.8 (0.1558) Geiregat 91 25 (0.1597) Radel 93	0 - 200 Asratyan 92 > 0.0075 Vignaud 95 < 1 Allison 93B Goodman 92 3 - 30 Aleshin 95B Ammosov 93 Ammosov 92B Ammosov 90 10 - 100 Asratyan 92 Berggren 90 10 - 200 Ammosov 92 Dayon 92 Gorichev 91 10 - 600 Mishra 91 20 - 500 Strongin 91 23.7 Vilain 93C 30 - 600 Hughes 93B Rabinowitz 93 Smith 92B Gorichev 93	Mallot 94 Bazarko 93 King 93 Leung 93 Bodek 92 Sakumoto 92B Sandler 92 37.1 - 230 (81.03 - 163.2) Virchaux 92 < 600 (< 255.2) ? Bazarko 95 Roberts 91	0 - 200 Asratyan 92 3 - 30 Ammosov 92B 10 - 100 Asratyan 92 Berggren 90 10 - 200 Ammosov 92 19.1 Vilain 93C 20 - 500 Strongin 91 30 - 600 Hughes 93B Rabinowitz 93 Smith 92B
$\nu_{\mu} q$ 10 - 600 Mishra 92 30 - 600 Leung 93	ν_{μ} deuteron 0 - 260 (1.876 - 31.29) Korotkov 93 Asratyan 92 0.4 - 6 (2.24 - 5.101) Merenyi 92 5 - 160 (4.71 - 24.57) Jones 94C Jones 94D 5 - 200 (4.71 - 27.45) Verluyten 91 10 - 260 (6.405 - 31.29) Asratyan 95 Zaetz 95 Zaetz 95 61.4 (15.29) Asratyan 94 ? Roberts 91	19.3 (0.1403) Geiregat 91 20 (0.1428) Vilain 94C 25 (0.1597) Radel 93	$\bar{\nu}_{\mu}$ deuteron 0 - 260 (1.876 - 31.29) Korotkov 93 Asratyan 92 5 - 160 (4.71 - 24.57) Jones 94C Jones 94D 10 - 250 (6.405 - 30.68) Arneodo 92 10 - 260 (6.405 - 31.29) Asratyan 95 Zaetz 95 Zaetz 95 ? Roberts 91
ν_{μ} nucleon 0 - 10 (0.94 - 4.437) Borodovsky 92 < 1.5 (< 1.924) Suzuki 93 3 - 30 (2.554 - 7.569) Anikeev 95 5 - 100 (3.207 - 13.74) Vilain 95 10 - 160 (4.437 - 17.37) Rolandi 92 10 - 200 (4.437 - 19.41) Virchaux 92 20 - 200 (6.204 - 19.41) Choban 91 20 - 600 (6.204 - 33.5) Yang 96 150 (16.82) Aderholz 92 ? Roberts 91	$\nu_{\mu} {}^{12}C$ 0.1237 - 0.28 (11.3 - 11.46) Albert 95 202 (68.13) Koetke 92	$\bar{\nu}_{\mu} q$ 10 - 600 Mishra 92 30 - 600 Leung 93	$\bar{\nu}_{\mu} {}^{12}C$ 0 - 0.035 (11.18 - 11.21) Armbruster 94 0 - 0.0528 (11.18 - 11.23) Bodmann 94 Kretschmer 94B Drexlin 91
$\nu_{\mu} p$ 0 - 12 (0.9383 - 4.837) Garvey 93 0 - 150 (0.9383 - 16.8) Korotkov 93 Asratyan 92 3 - 30 (2.551 - 7.562) Ammosov 93 Ammosov 92B 5 - 150 (3.204 - 16.8) Virchaux 92 5 - 160 (3.204 - 17.35) Jones 94C Jones 94D Jones 93B 10 - 60 (4.432 - 10.65) Jones 93C 10 - 150 (4.432 - 16.8) Zaetz 95 Jones 91C 10 - 200 (4.432 - 19.3) Asratyan 95 Jones 91 Jones 91B 10 - 250 (4.432 - 21.68) Virchaux 92 61.4 (10.77) Asratyan 94	$\nu_{\mu} Ne$ 0 - 200 (18.79 - 88.7) Korotkov 93 0.4 - 6 (19.18 - 24.05) Merenyi 92 10 - 100 (26.9 - 64.11) Asratyan 95 Zaetz 95 Korotkov 93 Choban 91 10 - 200 (26.9 - 88.7) Zaetz 95 Baker 91 10 - 300 (26.9 - 107.8) Deprospo 94 Willocq 92 10 - 400 (26.9 - 124) Willocq 92B 61.4 (51.58) Asratyan 94	$\bar{\nu}_{\mu} nucleon$ 0 - 10 (0.94 - 4.437) Borodovsky 92 < 1.5 (< 1.924) Suzuki 93 3 - 30 (2.554 - 7.569) Anikeev 95 10 - 200 (4.437 - 19.41) Virchaux 92 20 - 200 (6.204 - 19.41) Choban 91 20 - 600 (6.204 - 33.5) Yang 96 110 (14.41) Aderholz 92 ? Roberts 91	$\bar{\nu}_{\mu} Ne$ 0 - 200 (18.79 - 88.7) Korotkov 93 10 - 100 (26.9 - 64.11) Asratyan 95 Zaetz 95 Korotkov 93 Marage 91 10 - 200 (26.9 - 88.7) Zaetz 95 Willocq 91 10 - 250 (26.9 - 98.73) Arneodo 92 10 - 300 (26.9 - 107.8) Deprospo 94 Willocq 92 Asratyan 90 10 - 400 (26.9 - 124) Willocq 92B Asratyan 94 48.6 (46.68)
$\nu_{\mu} n$ 3 - 30 (2.553 - 7.567) Ammosov 92B 10 - 250 (4.436 - 21.69) Virchaux 92 20 - 30 (6.202 - 7.567) Vilain 94B	$\nu_{\mu} Al$ 3 - 30 (27.97 - 46.26) Anikeev 95	$\bar{\nu}_{\mu} p$ 0 - 12 (0.9383 - 4.837) Garvey 93 0 - 150 (0.9383 - 16.8) Korotkov 93 Asratyan 92 3 - 30 (2.551 - 7.562) Ammosov 92B 5 - 150 (3.204 - 16.8) Virchaux 92 5 - 160 (3.204 - 17.35) Jones 94C Jones 94D Jones 93B 10 - 60 (4.432 - 10.65) Jones 93C 10 - 150 (4.432 - 16.8) Zaetz 95 Jones 91C 10 - 200 (4.432 - 19.3) Asratyan 95 Jones 91 Jones 91B 10 - 250 (4.432 - 21.68) Virchaux 92 20 - 30 (6.198 - 7.562) Vilain 94B	$\bar{\nu}_{\mu} Al$ 3 - 30 (27.97 - 46.26) Anikeev 95
	$\nu_{\mu} Fe$ 10 - 150 (61.21 - 135.3) Choban 91 10 - 160 (61.21 - 139.1) Rolandi 92 10 - 260 (61.21 - 172.5) Virchaux 92 10 - 600 (61.21 - 255.2) Mishra 92 15 - 600 (65.32 - 255.2) Quintas 93 30 - 230 (76.34 - 163.2) Oltman 92 30 - 600 (76.34 - 255.2) Arroyo 94	$\bar{\nu}_{\mu} Fe$ 10 - 150 (61.21 - 135.3) Choban 91 10 - 160 (61.21 - 139.1) Rolandi 92 10 - 260 (61.21 - 172.5) Virchaux 92 10 - 600 (61.21 - 255.2) Mishra 92 15 - 600 (65.32 - 255.2) Quintas 93 30 - 230 (76.34 - 163.2) Oltman 92 30 - 600 (76.34 - 255.2) Arroyo 94 Mallot 94 Bazarko 93 Leung 93 Sakumoto 92B Sandler 92 37.1 - 230 (81.03 - 163.2) Virchaux 92 < 600 (< 255.2) ? Bazarko 95 Roberts 91	

$\nu_\tau e^-$

$e^- {}^4\text{He}$

$\nu_\tau e^-$	$e^- p$	$e^- p$	$e^- \text{deuteron}$	
< 400 (< 0.6387) Babu 94 Coopersarkar 91	5.222 - 20 20 (6.198)	Hughes 93C Adeva 93B Altarelli 93 Hughes 93C Aid 95F Abe 95F Abe 95ZL Abe 95ZO Ehrnsperger 95 Besancon 93 Garbincius 95 Ahmed 94 Ahmed 94B Ahmed 94C Ahmed 94D Barreiro 94 Burov 94 Derrick 94C Derrick 94E Derrick 94F Feltesse 94 Greenshaw 94 Kiesling 94 Kniehl 94 Wolf 94 Abt 93C Derrick 93B Derrick 93C Erdmann 93 Kuster 93 Levonian 93 Schneider 93B Vallee 93 Ahmed 92E Derrick 92B Eisele 92 Levy 95 Derrick 94 Derrick 92 Aid 96 Aid 96B Derrick 96 Ahmed 95 Ahmed 95B Ahmed 95C Ahmed 95D Aid 95 Aid 95B Aid 95C Aid 95D Aid 95E Aid 95G Aid 95H Aid 95I Bargende 95 Butterworth 95 Derrick 95 Derrick 95B Derrick 95C Derrick 95D Derrick 95E Derrick 95F Derrick 95G Derrick 95H Derrick 95I Derrick 95J Derrick 95K Derrick 95L Derrick 95P Doeker 95 Garbincius 95 Levy 95 Lohr 95 Abt 94 Abt 94B Abt 94C Ahmed 94E Ahmed 94G Ahmed 94H Brisson 94 Brisson 94B Colombo 94 Dainton 94 Deroeck 94	Derrick 94B Derrick 94D Derrick 94G Derrick 94H Derrick 94I Haas 94 Harnew 94 Joensson 94 Kuhlen 94 Labarga 94 Mallot 94 Abramowicz 93 Abt 93B Abt 93D Berger 93 Derrick 93 Derrick 93D Derrick 93E Derrick 93F Feld 93 Krasny 93 Krasny 93B Laporte 93 Mclean 93 Pavel 93 Sirois 93 Aid 95J Derrick 95N Deroeck 93 Ahmed 92B Ahmed 92C Derrick 92C Wolf 92 Buenerd 92 Roberts 91 Whitlow 91	1.6 (3.085) Frommberger 93 1.6 - 20 (3.085 - 8.862) Virchaux 92 1.602 (3.087) Frommberger 94 2 (3.31) Mishnev 93 Boden 91 2 - 5 (3.31 - 4.71) Bulten 95 2.021 - 5.121 (3.331 - 4.767) Arrington 96 3 - 7 (3.843 - 5.457) Arneodo 92 3.75 - 16 (4.193 - 7.971) Roberts 91 3.75 - 19.5 (4.193 - 8.756) Arneodo 92 4.5 - 20 (4.516 - 8.862) Arneodo 92 5 (4.71) Arneodo 92 5 - 21 (4.71 - 9.072) Dasu 94 8 - 24.5 (5.79 - 9.768) Gomez 93 Arneodo 92 9.7 - 29.1 (6.317 - 10.61) Abe 95S 9.8 - 21 (6.347 - 9.072) Rock 91 < 10 (< 6.405) Tao 95 29.1 (10.61) Abe 95ZL Abe 95ZO Stuart 93 Buenerd 92 Roberts 91 Whitlow 91
$\nu_\tau \text{nucleon}$	27.6 (7.258) 29.1 (7.449)			
20 (6.204) Danilov 94				
$\nu_\tau \text{nucleus}$				
19.3 - 23.8 Gruwe 93				
$\bar{\nu}_\tau e^-$	(260) (295)			
< 400 (< 0.6387) Coopersarkar 91				
$\bar{\nu}_\tau \text{nucleus}$				
19.3 - 23.8 Gruwe 93				
$e^\pm \text{nucleus}$				
5 Degtyarenko 95				
$e^\pm {}^{16}\text{O}$				
5 (19.26) Degtyarenko 93 5.001 (19.26) Degtyarenko 94B				
$e^- \gamma$				
14.5 Bauer 93 25 - 30.7 Sahu 95 Sahu 95B Akers 93G				
$e^- \gamma^*$				
150 Bassompierre 93				
$e^- e^-$				
0.0026 - 0.0029 Gobel 92	(295.4)			
$e^- \text{nucleon}$	(296)			
1.5 - 5.5 (1.924 - 3.35) Stuart 93				
$e^- p$				
(1.125) Blomqvist 96 0.3005 - 0.5365 (1.202 - 1.374) Choi 93 0.35 - 0.5 (1.23 - 1.349) Welch 92 0.3665 - 0.6775 (1.252 - 1.467) Choi 93 0.4305 - 0.6825 (1.299 - 1.47) Choi 93 0.525 (1.366) Vandenbrink 95 0.855 (1.576) Eyl 95 1.49 - 1.59 (1.917 - 1.966) Wilhelm 93 1.5 - 5.5 (1.922 - 3.347) Stuart 93 1.5 - 9.8 (1.922 - 4.38) Andivahis 93 Bosted 92B 1.6 - 8.2 (1.97 - 4.033) Walker 94 1.6 - 20 (1.97 - 6.198) Virchaux 92 2 - 5 (2.153 - 3.204) Makins 94 2.015 (2.159) Vandenbrandt 95 5 - 21 (3.204 - 6.347) Dasu 94 5 - 21.5 (3.204 - 6.421) Bosted 93 Sill 92 9 - 21 (4.215 - 6.347) Stuart 93 9.71 - 16.18 (4.371 - 5.58) Adeva 93B 9.8 - 21 (4.38 - 6.347) Rock 91 < 10 (< 4.432) Tao 95 16.19 - 22.66 (5.591 - 6.588) Adeva 93B Altarelli 93				
$e^- n$				
1.5 - 5.5 (1.924 - 3.349) Lung 93 Stuart 93B 9 - 21 (4.218 - 6.352) Stuart 93 9.8 - 21 (4.393 - 6.352) Rock 91 19 - 26 (6.049 - 7.053) Mallot 94 19.4 - 26 (6.11 - 7.053) Petraatos 93B				
$e^- \text{nucleus}$				
14.5 Elouadrhiri 94 Degtyarenko 94 Bross 89				
$e^- \text{deuteron}$				
0.1005 - 0.7205 (1.974 - 2.494) Ducret 94 0.1748 - 0.4447 (2.043 - 2.277) Kuplennikov 91 0.444 - 0.868 (2.277 - 2.603) Markowitz 93 0.4509 - 0.4577 (2.282 - 2.288) Anklin 94 0.5 (2.322) Dolfini 95 0.653 - 0.853 (2.443 - 2.592) The 91 0.6535 - 0.8535 (2.443 - 2.592) Garson 94 0.7345 - 1.27 (2.505 - 2.884) Prodyrna 93 0.855 (2.593) Eyl 95 0.868 (2.603) Eden 94 0.9 - 1.6 (2.626 - 3.085) Bruins 95 1.105 - 1.107 (2.768 - 2.76) Leiendecker 92 1.2 (2.832) Boden 92 1.5 - 5.5 (3.024 - 4.914) Lung 93 Stuart 93 Stuart 93B 1.5 - 9.8 (3.024 - 6.347) Andivahis 93				
$e^- {}^3\text{H}$				
0.0999 - 0.75 (2.893 - 3.464) Retzlaff 94 0.189 - 0.689 (2.978 - 3.415) Amroun 94				
$e^- {}^3\text{He}$				
0.0999 - 0.75 (2.893 - 3.464) Retzlaff 94 0.189 - 0.689 (2.978 - 3.415) Amroun 94 0.37 (3.143) Hansen 95 Jones 95 Gao 94 0.547 (3.296) Jones 93D 0.578 (3.323) Thompson 92 0.855 (3.548) Meyerhoff 94 0.9 - 4.3 (3.583 - 5.643) Mezani 92 1.211 (3.818) Kuplennikov 92 1.216 (3.821) Kuplennikov 91 19 - 26 (10.68 - 12.37) Hughes 93 19.4 - 25.5 (10.78 - 12.26) Ehrnsperger 95 Adeva 93B Altarelli 93 Anthony 93C Hughes 93B Hughes 93C 19.4 - 26 (10.78 - 12.37) Petraatos 93B 25.4 (12.24) Petraatos 93				
$e^- {}^4\text{He}$				
0.0909 - 0.193 (3.816 - 3.914) Buki 95 0.3 - 0.64 (4.015 - 4.319) Zghiche 94 Ent 94 0.466 (4.166) Legoff 94 0.5 (4.196) Ent 94 0.813 - 1.203 (4.466 - 4.77) Kuplennikov 95 0.9 - 4.3 (4.538 - 6.777) Mezani 92 1.16 (4.754) Kuplennikov 94 1.175 (4.758) Kuplennikov 91B				

Entries are in order of beam name, then target name, then beam momentum. Particle names are ordered as described in the legend on page 119 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 120. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are equivalent p_{lab} in GeV/c; then E_{cm} in GeV follows in parentheses. For certain initial states only E_{cm} (in parentheses) is given.

$e^- \text{}^4\text{He}$ $e^+ e^-$

$e^- \text{}^4\text{He}$ 2.02 - 3.995 (5.379 - 6.607) Day 93	$e^- \text{}^{40}\text{Ar}$ 0.5 - 1.5 (37.76 - 38.73) Anghinolfi 95	$e^- \text{Wt}$ 29.5 (198.6) Jaros 95	$e^+ e^-$ (1.5 - 91) (1.68)	Chliapnikov 92 Bisello 91 Bisello 91B
$e^- \text{He}$ 8 - 24.5 (8.576 - 14.02) Gomez 93 Arneodo 92	$e^- \text{Ca}$ 8 - 24.5 (44.62 - 56.77) Gomez 93 Arneodo 92	$e^- \text{}^{184}\text{Os}$? Zdesenko 92	(1.82 - 2.44)	Gauzzi 94
$e^- \text{}^6\text{Li}$ 0.466 (6.037) Ent 94	$e^- \text{}^{40}\text{Ca}$ 0.348 - 0.841 (37.61 - 38.09) Yates 93	$e^- \text{}^{190}\text{Pt}$? Zdesenko 92	(1.82 - 3.1) (1.9 - 2.1) (1.9 - 2.44)	Morandin 94 Antonelli 93B Antonelli 94 Antonelli 93B
$e^- \text{Be}$ 8 - 24.5 (14.31 - 21.95) Gomez 93 Arneodo 92 < 10 (< 15.44) Tao 95 13 - 20 (16.99 - 20.16) Arneodo 92	$e^- \text{}^{50}\text{Cr}$? Zdesenko 92	$e^- \text{Au}$ 2.021 - 5.121 (185.5 - 188.5) Arrington 96 3.75 - 19.5 (187.2 - 202) Arneodo 92 5 - 21 (188.4 - 203.4) Dasu 94 8 - 24.5 (191.3 - 206.5) Gomez 93 Arneodo 92 8 - 25 (191.3 - 206) Anthony 95 13 - 20 (196 - 202.5) Arneodo 92	(3 - 4) (3 - 7.4) (3 - 8.4) (3.08 - 3.11) (3.08 - 3.12) (3.1)	Danilov 94 Bethke 91 Danilov 94 Bai 95B Jin 91 Bertolotto 94 Fan 94 Fan 94B Antonelli 93 Bolton 92 Bolton 91 Chen 91 Dunwoodie 91 Jin 91 Augustin 90B Bisello 90B
$e^- \text{}^9\text{Be}$ 0.8185 (9.165) Kuplennikov 91	$e^- \text{}^{56}\text{Fe}$ 0.9 - 4.3 (53.06 - 56.3) Chen 91B 2.02 - 3.995 (54.15 - 56.02) Day 93	$e^- \text{}^{197}\text{Au}$ 2.02 - 3.995 (186.3 - 188.3) Day 93 3 (187.3) Markaryan 95	(3.54 - 3.6)	Gomezycadena 94 Fernandez 93 Schwarz 93
$e^- \text{}^{11}\text{Bor}$ 0.2005 (10.44) Yamaya 95	$e^- \text{Fe}$ 2.021 - 5.121 (54 - 56.91) Arrington 96 3.75 - 19.5 (55.65 - 68.81) Arneodo 92 5 - 21 (56.8 - 69.94) Dasu 94 8 - 24.5 (59.49 - 72.49) Gomez 93 Arneodo 92	$e^- \text{}^{208}\text{Pb}$ 0.262 - 0.645 (194 - 194.4) Zghiche 94	(3.544 - 3.568) (3.568 - 3.579)	Fan 94B Bai 95 Bai 92
$e^- \text{C}$ 2 - 5 (13.04 - 15.3) Makins 94 2.021 - 5.121 (13.05 - 15.48) Arrington 96 8 - 24.5 (17.44 - 25.95) Gomez 93 Arneodo 92 25 (26.16) Anthony 95	$e^- \text{}^{58}\text{Ni}$? Zdesenko 92	$e^- \text{crystal}$ 150 Bassompierre 93	(3.578 - 3.579)	Jones 94 Coffman 92 Freyberger 94 Coffman 92B Labs 92 Tuan 92 Coffman 91 Potter 91 Bai 90C Behrend 91 Bai 94 Bai 94B Fan 94B Muheim 93B Coffman 91 Albrecht 94B Albrecht 94M Albrecht 91N Karch 91 Branchina 92 Bethke 91 Blinov 94 Blinov 91B Blinov 95 Blinov 93 Blinov 91 Baru 91 Baru 92 Danilov 94 Danilov 94 Herrera 91 Semenov 94 Albrecht 91L Albrecht 94O Bieler 90 Bartelt 94 Albrecht 95B Albrecht 95C Rouge 95 Albrecht 94J Albrecht 94K Albrecht 94Q Babu 94 Golutvin 94 Kriznic 94 Albrecht 93C Busse 93 Rohde 93 Albrecht 92 Albrecht 92F Albrecht 92I
$e^- \text{}^{12}\text{C}$ 0.129 (11.31) Tadokoro 94 0.466 (11.64) Ent 94 0.475 (11.65) Kester 95 Kester 95B 1.45 - 2.39 (12.55 - 13.36) Vartapetyan 95 1.94 (12.98) Alanakyan 91 2.02 - 3.995 (13.04 - 14.64) Day 93	$e^- \text{Cu}$ 13 - 20 (71.02 - 76.63) Arneodo 92	$e^+ \gamma$ 45.6 (0.00051) Akers 93G 46 (0.00051) Bini 91	(3.69) (3.77)	Coffman 92 Freyberger 94 Coffman 92B Labs 92 Tuan 92 Coffman 91 Potter 91 Bai 90C Behrend 91 Bai 94 Bai 94B Fan 94B Muheim 93B Coffman 91 Albrecht 94B Albrecht 94M Albrecht 91N Karch 91 Branchina 92 Bethke 91 Blinov 94 Blinov 91B Blinov 95 Blinov 93 Blinov 91 Baru 91 Baru 92 Danilov 94 Danilov 94 Herrera 91 Semenov 94 Albrecht 91L Albrecht 94O Bieler 90 Bartelt 94 Albrecht 95B Albrecht 95C Rouge 95 Albrecht 94J Albrecht 94K Albrecht 94Q Babu 94 Golutvin 94 Kriznic 94 Albrecht 93C Busse 93 Rohde 93 Albrecht 92 Albrecht 92F Albrecht 92I
$e^- \text{}^{16}\text{O}$ 0.5 - 1.5 (15.39 - 16.33) Anghinolfi 95	$e^- \text{}^{64}\text{Zn}$? Zdesenko 92	$e^+ e^-$ 0 (0.00102) Asai 95 Asai 94 Vonbusch 94 2.145 $\cdot 10^{-5}$ (0.00102) Skalsey 92B < 4.526 $\cdot 10^{-5}$ (< 0.001021) Vo 94 < 0.0009241 (< 0.001264) Mitsui 93 (0.0015 - 0.00186) Henderson 92 (0.00156 - 0.00186) Wu 92 (0.001651 - 0.001739) Tsertos 91 (0.001739 - 0.001904) Hallin 92 (0.00178 - 0.00192) Widmann 91 (0.001795 - 0.001877) Gobel 92 Skalsey 92 < 0.004636 (< 0.002297) Trzaska 91B 5.29 (0.07346) Artuso 93 (0.36 - 1) Benayoun 92 Feindt 92C (0.774 - 0.79) Aulchenko 95 (0.9939 - 1.027) Akhmetshin 95 Donnachie 91 (1 - 1.4) (1.005 - 1.035) Akhmetshin 95B Akhmetshin 95 Akhmetshin 95B (1.35 - 2.4) Castro 94 Antonelli 92 Bisello 91 Bisello 91B Bisello 91C Donnachie 91 Donnachie 91 Donnachie 91	(4 - 9) (4.03) (4.14) (4.7 - 5.3) (5) (5 - 94) (6.2 - 7.4) (7.2 - 10) (7.2 - 10.3) (7.2 - 10.34) (7.23 - 10.34) (7.6 - 10) (7.7 - 9.7) (9 - 11.5) (9 - 12) (9.3 - 10.5) (9.3 - 10.6) (9.36 - 10.47) (9.38 - 10.61) (9.39 - 10.52) (9.4 - 10.58) (9.4 - 10.6)	Albrecht 94B Albrecht 94M Albrecht 91N Karch 91 Branchina 92 Bethke 91 Blinov 94 Blinov 91B Blinov 95 Blinov 93 Blinov 91 Baru 91 Baru 92 Danilov 94 Danilov 94 Herrera 91 Semenov 94 Albrecht 91L Albrecht 94O Bieler 90 Bartelt 94 Albrecht 95B Albrecht 95C Rouge 95 Albrecht 94J Albrecht 94K Albrecht 94Q Babu 94 Golutvin 94 Kriznic 94 Albrecht 93C Busse 93 Rohde 93 Albrecht 92 Albrecht 92F Albrecht 92I
$e^- \text{}^{27}\text{Al}$ 2.02 - 3.995 (27.09 - 28.87) Day 93	$e^- \text{}^{71}\text{Ge}$ 0 (66.1) Hime 92	$e^- \text{}^{106}\text{Cd}$? Zdesenko 92	(1.39) (1.45)	Albrecht 92F Albrecht 92I
$e^- \text{}^{30}\text{Si}$ 0.33 - 0.454 (28.27 - 28.3) Wesseling 92	$e^- \text{}^{78}\text{Kr}$? Zdesenko 92	$e^- \text{}^{112}\text{Sn}$? Zdesenko 92		
$e^- \text{}^{31}\text{Ph}$ 0.33 - 0.454 Wesseling 92	$e^- \text{}^{84}\text{Sr}$? Zdesenko 92	$e^- \text{}^{120}\text{Te}$? Zdesenko 92		
$e^- \text{}^{32}\text{S}$ 0.33 - 0.454 (30.14 - 30.26) Wesseling 92	$e^- \text{}^{92}\text{Mo}$? Zdesenko 92	$e^- \text{}^{124}\text{Xe}$? Zdesenko 92		
	$e^- \text{}^{96}\text{Ru}$? Zdesenko 92	$e^- \text{}^{130}\text{Ba}$? Zdesenko 92		
	$e^- \text{Ag}$ 8 - 24.5 (108.2 - 122.6) Gomez 93 Arneodo 92	$e^- \text{}^{138}\text{Ce}$ 0.0004441 (129.5) Minowa 93		

$e^+ e^-$

$e^+ e^-$

$e^+ e^-$	$e^+ e^-$	$e^+ e^-$	$e^+ e^-$
	Albrecht 92M	Albrecht 92N	Albrecht 92E
	Albrecht 92S	Albrecht 92R	Albrecht 92J
	Albrecht 91C	Albrecht 91F	Albrecht 92K
	Albrecht 91M	(10.46 - 10.59)	Albrecht 92P
	Ammar 91B	Lesiak 91	Albrecht 92Q
	Antreasyan 91B	(10.47) Albrecht 91G	Battle 92
	Donnachie 91	(10.49) Aleem 92	Drell 92
	Karch 91C	(10.5) Crawford 93	Lafferty 92
(9.4 - 11.4)	Herrera 91	Kroha 93	Sanghera 92
(9.46)	Blinov 95	Kroha 92B	Albrecht 91D
	Albrecht 94G	Trischuk 92	Albrecht 91E
	Albrecht 94O	Albrecht 91J	Albrecht 91G
	Balest 94B	Kubota 91	Albrecht 91I
	Blinov 94	(10.5 - 10.58) Crawford 91B	Albrecht 91J
	Cinabro 94	(10.5 - 10.7) Avery 95	Antreasyan 91
	Alam 92	(10.5 - 10.9) Ammar 91	Bortoletto 91
	Albrecht 92H	(10.52) Alam 92	Crawford 91
	Baru 92B	(10.52 - 10.58)	Crawford 91B
	Baru 91	Bartelt 96	Cronstrom 91
	Bizzeti 91	Coan 96	Drell 91
(9.46 - 10.58)	Albrecht 94G	Alexander 95	Henderson 91
	Albrecht 92G	Bishai 95	Mai 91
	Antreasyan 91	Fujino 95	Potter 91
(9.98)	Aleem 92	Kubota 95	Schafer 91
(10)	Albrecht 95	Weinstein 95	Fulton 90
	Coan 95	White 95	Albrecht 89U
	Korolko 95	Edwards 94	(10.58 - 10.86)
	Schmidler 95	Freyberger 94	Procario 91
	Albrecht 94N	Bean 93	(10.58 - 10.87)
	Alexander 94	Bean 92B	Henderson 91B
	Kaloshin 94	Bean 94	Kinoshita 90
	Albrecht 93	(10.52 - 10.7) Balest 94	Drell 91
	Albrecht 93E	(10.53 - 10.58)	Freyberger 96
	Deangelis 93	Bartelt 93	Alam 95
	Albrecht 92O	Besson 93B	Balest 95
	Bean 92	Forty 93	Bartelt 95
	Bienlein 92	(10.53) Gibbons 95	Brandenburg 95
	Albrecht 91K	(10.55) Avery 90B	Edwards 95B
	Bienlein 91	(10.56) Ammar 95	Gronberg 95
	Karch 91B	Crawford 95	Rouge 95
	Kobel 91	Spengler 94	Albrecht 94P
	Albrecht 90B	Albrecht 94R	Alemany 94
(10 - 10.6)	Albrecht 95D	Albrecht 95H	Alemany 94
	Albrecht 95E	Artuso 95	Artuso 94
	Eigen 94	Artuso 95B	Avery 94B
(10 - 30)	Deangelis 93	Asner 95	Babu 94
(10 - 91.2)	Deangelis 93	Barish 95	Battle 94
(10 - 92)	Deangelis 93	Bishai 95B	Brown 94
(10 - 94.2)	Bethke 92B	Butler 95	Butler 94
(10.02)	Albrecht 94O	Duboscq 95	Dominick 94
(10.2)	Albrecht 90M	Gibaut 95	Duflot 94
(10.3 - 10.58)	Albrecht 91P	Gibbons 95B	Ford 94
	Procario 91	Alam 94B	Gibaut 94
(10.35)	Butler 93	Alam 94C	Golutvin 94
	Crawford 91	Albrecht 94I	Gomezycadena 94
(10.35 - 10.58)	Freyberger 94	Albrecht 94O	Payne 94
	Kubota 94	Albrecht 94P	Smith 94
	Alexander 92	Albrecht 94U	Urheim 94
	Albrecht 91B	Alexander 94B	Acosta 93
(10.35 - 10.6)	Avery 93	Athanas 94	Akerib 93
	Avery 92	Avery 94	Alam 93
(10.35 - 11.6)	Alexander 93	Balest 94C	Albrecht 93B
(10.36)	Avery 93B	Barish 94	Ali 93
	Crawford 92	Bergfeld 94	Ammar 93
	Potter 91	Bergfeld 94B	Balest 93
(10.36 - 10.58)	Muheim 93B	Dejongh 94	Besson 93B
	Daoudi 91	Ehrlich 94	Bortoletto 93
	Wu 93	Albrecht 93B	Cinabro 93
(10.36)	Alam 92	Albrecht 93D	Daoudi 93
	Heintz 92	Albrecht 93F	Fernandez 93
	Tuan 92	Alexander 93B	Kubota 93
	Brock 91	Ammar 93B	Muheim 93
	Heintz 91	Avery 93B	Schwarz 93
	Morrison 91B	Bartelt 93B	Selen 93
	Narain 91	Battle 93	Akerib 92
	Yanagisawa 91	Besson 93B	Artuso 92
(10.36 - 10.7)	Procario 92B	Browder 93	Bortoletto 92
(10.4)	Albrecht 94F	Cinabro 93B	Butler 92
	Albrecht 94L	Forty 93	Heltsley 92
	Albrecht 94S	Nau 93	Kroha 92B
	Litvintsev 94	Procario 93	Procario 92
	Albrecht 92C	Shelkov 93	Atwood 91
		Stone 93	(10.6 - 91.3)
		Albrecht 92B	(10.61 - 10.65)
		Albrecht 92D	Wu 91
			(10.61 - 10.7) Akerib 91
			(10.7)
			(10.86)
			(12 - 46)
			(14 - 34)
			(14 - 43.6)
			(14 - 44)
			(14 - 46.5)
			(14 - 46.8)
			(14 - 47.3)
			(14 - 91)
			(14 - 94.2)
			(14.8 - 42.6)
			(17 - 86)
			(17.5)
			(20)
			(29)
			(29 - 90)
			(29 - 91)
			(30)
			(30 - 91.2)
			(34)
			(34.4 - 44.8)
			(34.5 - 42.4)
			(34.5 - 42.6)
			(34.5 - 43.6)
			(34.6 - 43)
			(34.6 - 43.7)
			(34.7)
			(35)
			(35 - 43)
			(36.4)
			(50 - 60.8)
			(50 - 61.4)
			(50 - 62)
			(50 - 64)
			(52 - 61.4)
			(54 - 61.4)
			Wu 91
			Crawford 91
			Potter 91
			Yanagisawa 91
			Bethke 91
			Goulianos 94
			Kroha 92
			Magnussen 91
			Kumita 92
			Dremin 94
			Danilov 94
			Bethke 92
			Chliapnikov 92
			Bethke 92B
			Aleem 92
			Abreu 94N
			Behrend 91
			Behrend 90D
			Behrend 92
			Alemany 94
			Buer 94
			Danilov 94
			Dremin 94
			Kaloshin 94
			Bauer 93
			Bauer 93B
			Bauer 93C
			Cords 93
			Forty 93
			Schwarz 93
			Aleem 92
			Barklow 92
			Geld 92
			Kroha 92
			Aihara 91
			Bethke 91
			Nurushev 91
			Oyang 91
			Ronan 91
			Gomezycadena 90
			Vonzanthier 90
			Buschbeck 91
			Schmitz 91
			Chliapnikov 92
			Deangelis 93
			Deangelis 93
			Forty 93
			Aleem 92
			Kroha 92
			Kroha 92
			Aleem 92
			Kroha 92
			Kroha 92
			Kroha 92
			Kroha 92
			Forty 93
			Aleem 92
			Bryman 92
			Kroha 92
			Podobrin 91
			Behrend 90
			Behrend 90E
			Behrend 90F
			Behrend 89I
			Kroha 92
			Behrend 90
			Pust 91
			Kim 90C
			Nozaki 92
			Shimozawa 92
			Shirai 91
			Kanzaki 91
			Olsen 91
			Shirai 91
			Shirakata 91
			Muramatsu 94
			Howell 92
			Kumita 92
			Adachi 91
			Hayashii 91
			Nagai 91
			Okamoto 91
			Shimonaka 91
			Bethke 91

Entries are in order of beam name, then target name, then beam momentum. Particle names are ordered as described in the legend on page 119 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 120. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are equivalent p_{lab} in GeV/c; then E_{cm} in GeV follows in parentheses. For certain initial states only E_{cm} (in parentheses) is given.

$e^+ e^-$

$e^+ e^-$

$e^+ e^-$	$e^+ e^-$	$e^+ e^-$	$e^+ e^-$
Buskulic 95T	Abreu 93D	Adriani 92D	Decamp 91M
Buskulic 95U	Abreu 93E	Adriani 92I	Decamp 91Q
Buskulic 95V	Abreu 93F	Adriani 92J	Decamp 91R
Cerutti 95	Abreu 93J	Adriani 92L	Dydak 91
Charlesworth 95	Abreu 93K	Adriani 92M	Ellis 91
Dam 95	Acton 93	Barklow 92	Giacomelli 91
Ferrante 95	Acton 93E	Bencheikh 92	Goobar 91
Gentile 95	Acton 93F	Benedic 92	Halley 91
Girone 95	Acton 93G	Bethke 92	Hebbeker 91
Musolino 95	Acton 93I	Bethke 92B	Hebbeker 91B
Raab 95	Acton 93J	Borzumati 92	Jacobsen 91
Rouge 95	Acton 93K	Boucrot 92	Jacobsen 91B
Schwieging 95	Acton 93L	Brandl 92	Keranen 91
Stugu 95	Adriani 93F	Burrows 92	Koetke 91
Tesch 95	Adriani 93G	Burrows 92C	Mattig 91
Watkins 95	Adriani 93H	Buskulic 92	Patton 91
Abe 94U	Adriani 93I	Buskulic 92D	Pieri 91
Abe 94V	Adriani 93J	Buskulic 92E	Roehn 91
Abe 94W	Adriani 93K	Buskulic 92G	Simon 91
Abe 94ZB	Adriani 93L	Buskulic 92H	Stahl 91
Abreu 94	Akers 93B	Buskulic 92I	Tesch 91
Abreu 94I	Akers 93F	Buskulic 92J	Trischuk 91
Abreu 94J	Akers 93G	Buskulic 92K	Turner 91
Abreu 94K	Akers 93H	Campana 92	Wachsmuth 91
Abreu 94L	Akers 93I	Chmeissani 92	Yepes 91
Abreu 94M	Akers 93J	Chrin 92	Abreu 90S
Abreu 94N	Biebel 93	Cosmo 92	Adeva 90U
Abreu 94O	Biebel 93B	Decamp 92	Adeva 90V
Abreu 94P	Blondel 93	Decamp 92B	Akrawy 90N
Abreu 94Q	Blondel 93B	Decamp 92C	Akrawy 90R
Abreu 94R	Burrows 93	Feindt 92B	Akrawy 90V
Abreu 94S	Buskulic 93	Felcini 92	Decamp 90M
Acciarri 94B	Buskulic 93F	Fujino 92	Adriani 93D
Acciarri 94C	Buskulic 93H	Gross 92	Adriani 92B
Akers 94C	Buskulic 93I	Gross 92B	Acton 93H
Akers 94H	Buskulic 93K	Kinoshita 92	Adriani 92E
Akers 94I	Buskulic 93L	Lafferty 92	Dremin 94
Akers 94J	Buskulic 93M	Lauber 92	Buskulic 92C
Akers 94L	Buskulic 93N	Schumm 92	Decamp 91L
Akers 94N	Buskulic 93P	Shevchenko 92	Abe 94C
Akers 94O	Cattaneo 93	Sopczak 92	(91.27 - 91.28)
Akers 94P	Deangelis 93	Sopczak 92B	Buskulic 94E
Akers 94Q	Elia 93	Sopczak 92C	Abreu 94B
Akers 94R	Fernandez 93	Trischuk 92	Abreu 94G
Akers 94S	Finch 93	Wyatt 92	Akers 93D
Aleman 94	Forty 93	Abreu 91D	Abreu 94Q
Baird 94	Gaidot 93	Abreu 91G	Acciarri 94D
Baranko 94	Giacomelli 93	Abreu 91I	Acton 92B
Bonivento 94	Lauber 93	Abreu 91J	Acton 92K
Brient 94	Lopezfernand 93	Abreu 91K	Acton 92R
Buskulic 94	Pater 93	Abreu 91L	Eerola 92
Buskulic 94B	Pierre 93	Abreu 91N	Riles 92
Buskulic 94C	Pinfold 93	Abreu 91O	Rollnik 92
Buskulic 94F	Pulzer 93	Abreu 91P	Settles 92
Buskulic 94H	Schwarz 93	Abreu 91Q	Seywerd 92
Buskulic 94I	Sefkow 93	Abreu 91R	Acton 91H
Buskulic 94J	Seywerd 93	Acton 91B	Alexander 91I
Buskulic 94L	Tenchini 93	Acton 91D	Decamp 91D
Buskulic 94M	Ting 93	Acton 91E	Geerts 91
Buskulic 94N	Abreu 92	Acton 91F	Alexander 91E
Carr 94	Abreu 92D	Acton 91I	Alexander 91I
Colas 94	Abreu 92F	Acton 91J	Abe 95Z
Danilov 94	Abreu 92H	Adeva 91	Abe 95ZD
Dejongh 94	Abreu 92I	Adeva 91C	Abe 95ZF
Demin 94	Abreu 92J	Adeva 91G	Abe 94ZC
Dremin 94	Abreu 92K	Adeva 91H	Yamartino 94
Fero 94	Abreu 92L	Adeva 91I	Abe 93M
Golutvin 94	Acton 92	Adeva 91J	Abe 93X
Gomezycadena 94	Acton 92C	Akrawy 91B	Abe 93Z
Hocker 94	Acton 92D	Akrawy 91C	Hiroaki 93
Janot 94	Acton 92H	Alexander 91	Prescott 93
Jones 94B	Acton 92I	Alexander 91H	Swartz 93
King 94	Acton 92J	Bertin 91	Fan 92
Kramer 94	Acton 92L	Bhattacharyy 91	Rowson 92
Manly 94	Acton 92M	Bortolotto 91	Su 92
Maur 94	Acton 92N	Boyle 91	Park 94
Posthaus 94	Acton 92O	Campion 91	Martirena 94
Richard 94	Acton 92P	Capon 91	Bethke 91B
Shevchenko 94	Acton 92T	Colas 91	Fabbri 91
Strohmer 94	Adeva 92	Deangelis 91B	Abreu 91G
Wermes 94	Adeva 92B	Decamp 91C	Abreu 94C
Wormser 94	Adeva 92D	Decamp 91F	Danilov 94
Abreu 93B	Adriani 92	Decamp 91I	Acciarri 95L
Abreu 93C	Adriani 92C	Decamp 91J	

Entries are in order of beam name, then target name, then beam momentum. Particle names are ordered as described in the legend on page 119 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 120. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are equivalent p_{lab} in GeV/c; then E_{cm} in GeV follows in parentheses. For certain initial states only E_{cm} (in parentheses) is given.

$e^+ e^-$ $\mu^+ \text{Be}$

$e^+ e^-$ (130.3 - 136.3) Acciarri 95N (130.3 - 140.2) Acciarri 95K ? Akopyan 91 Landsberg 91	$\mu^- \text{Fe}$ 400 - 4000 (210.5 - 647.2) Ashitkov 91	$\mu^+ p$ 350 - 600 (25.65 - 33.57) Kotwal 94	$\mu^+ \text{deuteron}$ 120 - 280 (21.2 - 32.46) Virchaux 92 Roberts 91
$e^+ p$ (296) Aid 95B (300) Aid 95G Aid 96 Aid 96C Aid 95J Derrick 95M Derrick 95N Derrick 95O Derrick 95Q Ahmed 94F	$\mu^- \text{Cu}$ 209 (168.1) Arneodo 92	465 (29.55) Kotwal 94B Schellman 94 Spentzouris 94 Wolbers 94 Adams 96 Adams 95 Adams 95C Adams 95D Kotwal 95 Fang 94	147 (23.56) Virchaux 92 190 (26.76) Adams 95E 200 (27.45) Amaudruz 95 Arneodo 95 Arneodo 95D Arneodo 94 Arneodo 94B Paic 94 Arneodo 92 Amaudruz 91B
$e^+ \text{nucleus}$ 14.5 Elouadrhiri 94 46 Degtyarenko 94 Bini 91	$\mu^- \text{Mo}$ 0 (89.47) Armstrong 92F Hasinoff 92B	470 (29.71) Adams 95G Adams 94D Adams 94E Kotwal 94B Adams 93 Adams 93B Adams 93C Adams 93F Hughes 93B Melanson 93 Salgado 93 Salgado 93B Salgado 93C Adams 92C Morfin 92 Salgado 92 Salgado 91	200 - 280 (27.45 - 32.46) Arneodo 94 Roberts 91 274 (32.11) Roberts 91 280 (32.46) Arneodo 94 Arneodo 92 Virchaux 92 Amaudruz 91F Bazizi 91 Roberts 91 Allasia 90C
$e^+ \text{Th}$ 0 - 0.004874 (216.1 - 216.1) Sakai 93 0.0006553 - 0.0006867 (216.1 - 216.1) Sakai 92	$\mu^- \text{Sn}$ 0 (110.7) Armstrong 92F Hasinoff 92B	490 (30.34) Adams 94D Adams 94E Kotwal 94B Adams 93 Adams 93B Adams 93C Adams 93F Hughes 93B Melanson 93 Salgado 93 Salgado 93B Salgado 93C Adams 92C Morfin 92 Salgado 92 Salgado 91	350 - 600 (36.28 - 47.48) Kotwal 94 465 (41.81) Kotwal 94B Schellman 94 Spentzouris 94 Wolbers 94 Carroll 93 Adams 96 Adams 95 Adams 95C Adams 95D Kotwal 95 Fang 94 Adams 95F Adams 95G Conrad 95 Adams 94D Adams 94E Adams 94F Adams 94H Kotwal 94B Mallot 94 Adams 93 Adams 93B Adams 93C Adams 93D Adams 93F Hughes 93B Melanson 93 Salgado 93 Salgado 93B Adams 92B Adams 92D Arneodo 92 Morfin 92 Adams 91E Schellman 91B Conrad 95
$\mu^\pm \text{Fe}$ 58 - 1130 (93.49 - 346.8) Sakumoto 92	$\mu^+ e^-$ 0 (0.1062) Abazov 93 Gordeev 93 Ni 93 Matthias 91 Ni 93 Matthias 91	$\mu^+ n$ 90 - 280 (13.04 - 22.96) Arneodo 94C Arneodo 93B Hughes 93C Amaudruz 91D Spentzouris 94 Wolbers 94 Adams 95 Adams 93 Hughes 93B	490 (42.91) Adams 95F Adams 95G Conrad 95 Adams 94D Adams 94E Adams 94F Adams 94H Kotwal 94B Mallot 94 Adams 93 Adams 93B Adams 93C Adams 93D Adams 93F Hughes 93B Melanson 93 Salgado 93 Salgado 93B Adams 92B Adams 92D Arneodo 92 Morfin 92 Adams 91E Schellman 91B Conrad 95
$\mu^- p$ 0 (1.044) Depommier 94 Hasinoff 94 Jonkmans 94 Hasinoff 93 Hasinoff 92 Hasinoff 92B Wright 91	$\mu^+ \text{nucleon}$ 0.01 (0.1062) Ni 93 0.02 (0.1062) Matthias 91	$\mu^+ \text{nucleus}$ 100 - 200 Roberts 91 200 Ashman 92 470 Fang 94 Fang 93	$\mu^+ \text{He}$ 200 (38.7) Amaudruz 95 Arneodo 92 Amaudruz 91B Roberts 91
$\mu^- \text{nucleus}$? Mamedov 92	$\mu^+ p$ 90 - 280 (13.03 - 22.94) Arneodo 95C Arneodo 94C Nassalski 94 Arneodo 93 Arneodo 93B Hughes 93B Hughes 93C Amaudruz 92 Amaudruz 92B Botje 92 Milsztajn 92 Virchaux 92 Amaudruz 91 Amaudruz 91D	$\mu^+ \text{deuteron}$ 90 - 280 (18.47 - 32.46) Arneodo 95C Arneodo 94C Mallot 94 Nassalski 94 Arneodo 93 Arneodo 93B Hughes 93B Hughes 93C Amaudruz 92 Amaudruz 92B Botje 92 Milsztajn 92 Virchaux 92 Amaudruz 91 Ehrnsperger 95 Horikawa 94 Lowe 94 Mallot 94 Niinikoski 94 Adeva 93 Adeva 93B Altarelli 93 Hughes 93C	$\mu^+ \text{Li}$ 200 (51.26) Paic 94
$\mu^- {}^3\text{He}$ 0 (2.9) Cummings 95 Cummings 92	96 - 219 (13.46 - 20.29) Virchaux 92 100 (13.73) Adams 94I 100 - 190 (13.73 - 18.91) Adeva 95 Hughes 95	100 (19.46) Adams 95 Ehrnsperger 95 Horikawa 94 Lowe 94 Mallot 94 Niinikoski 94 Adeva 93 Adeva 93B Altarelli 93 Hughes 93C	$\mu^+ {}^6\text{Li}$ 90 (32.21) Amaudruz 95 Amaudruz 91C Arneodo 95
$\mu^- \text{C}$ 120 - 280 (53.01 - 79.94) Virchaux 92 200 (67.83) Benvenuti 93 209 (69.29) Arneodo 92	100 - 200 (13.73 - 19.3) Adeva 93B Altarelli 93 Hughes 93C Svec 93	100 - 190 (19.46 - 26.76) Adeva 95 Hughes 95 Hughes 93C Arneodo 92 Arneodo 92B Ashman 92B Ashman 91 Ashman 91B	$\mu^+ \text{Be}$ 90 - 280 (39.77 - 69.08) Mallot 94
$\mu^- {}^{12}\text{C}$ 0 (11.29) Armstrong 90C	100 - 280 (13.73 - 22.94) Virchaux 92 Ashman 91 Bethke 91 Roberts 91	100 - 280 (19.46 - 32.46) Hughes 93C Arneodo 92 Ashman 92B Ashman 91 Ashman 91B	
$\mu^- {}^{16}\text{O}$ 0 (15.01) Armstrong 90C	120 - 280 (15.04 - 22.94) Virchaux 92 Bazizi 91 Roberts 91 Ehrnsperger 95 Adams 94G Witzmann 94 Arneodo 95D Arneodo 94		
$\mu^- {}^{27}\text{Al}$ 0 (25.26) Armstrong 92F Hasinoff 92B	190 (18.91) Adams 94G Witzmann 94 Arneodo 95D Arneodo 94		
$\mu^- {}^{28}\text{Si}$ 0 (26.19) Armstrong 92F Hasinoff 92B	200 (19.3) Arneodo 95D Arneodo 94		
$\mu^- {}^{40}\text{Ca}$ 0 (37.37) Armstrong 92F Hasinoff 92B Armstrong 90C	200 - 280 (19.3 - 22.94) Arneodo 94 274 (22.6) Roberts 91 280 (22.94) Arneodo 94 Fialkowski 94 Derado 92 Derado 92B Amaudruz 91F Buschbeck 91 Derado 91 Schmitz 91 Allasia 90C		
$\mu^- \text{Ti}$ 0.09 (44.76) Dohmen 93			
$\mu^- \text{Fe}$ 93 - 215 (111.3 - 158.4) Virchaux 92			

$\mu^+ C$

$\pi^+ p$

$\mu^+ C$ 90 - 280 (46.25 - 79.94) Mallot 94 Amaudruz 92 100 - 280 (48.61 - 79.94) Arneodo 92 Roberts 91 114 - 271 (51.73 - 78.67) Roberts 91 120 - 280 (53.01 - 79.94) Virchaux 92 200 (67.83) Amaudruz 95 Arneodo 95D Arneodo 94 Arneodo 94B Paic 94 Arneodo 92 Amaudruz 91B 200 - 280 (67.83 - 79.94) Arneodo 94 Arneodo 92 Amaudruz 91E Roberts 91 274 (79) 280 (79.94) Arneodo 94 Arneodo 92 Virchaux 92 Amaudruz 91F Roberts 91 Schellman 94 465 (102.6) 468 (102.9) 470 (103.2) Carroll 93 Adams 95C Adams 95D Fang 94 490 (105.3) Adams 95G Conrad 95 Kotwal 94B Mallot 94 Melanson 93 Salgado 93 Salgado 93B Conrad 95 500 (106.4) Conrad 95	$\mu^+ Ca$ Salgado 93 Salgado 93B Conrad 95 500 (196.8) $\mu^+ {}^{40}Ca$ 90 (89.97) Amaudruz 95 Amaudruz 91C $\mu^+ Fe$ 90 - 280 (109.9 - 178.4) Mallot 94 93 - 215 (111.3 - 158.4) Virchaux 92 120 - 280 (123.3 - 178.4) Arneodo 92 Roberts 91 200 - 280 (153.3 - 178.4) Roberts 91 Arneodo 92 280 (178.4) Arneodo 92 $\mu^+ Cu$ 100 - 280 (123.9 - 191.5) Hughes 93C Arneodo 92 Ashman 92B Ashman 91B Roberts 91 280 (191.5) Roberts 91 $\mu^+ Sn$ 90 - 280 (179.2 - 272.3) Mallot 94 100 - 280 (185.3 - 272.3) Arneodo 92 Ashman 91B 200 - 280 (237.6 - 272.3) Arneodo 94 Arneodo 92 Amaudruz 91E Roberts 91 280 (272.3) Roberts 91	dark ${}^{27}Al$ 0 Snowdenift 95 dark ${}^{28}Si$ 0 Snowdenift 95 dark ${}^{39}KK$ 0 Snowdenift 95 unspec nucleus > 1000 Asakimori 94 $10^4 - 10^8$ Adamov 93 $10^5 - 6.2 \cdot 10^6$ Kopenkin 94 > 10^5 Baradzei 91 > $2 \cdot 10^5$ Adarkar 91 $4 \cdot 10^5 - 3 \cdot 10^6$ > $4 \cdot 10^5$ Borisov 94 > 10^6 Baradzei 93 Avakyan 93 10^7 Ivanenko 92 > $3 \cdot 10^9$ Yoshida 95 < 10^{11} Carrel 94 > 10^{11} Carrel 94 $1.7 \cdot 10^{11} - 2.6 \cdot 10^{11}$? Hayashida 94 Bloise 93 hadron p (22 - 630) Buschbeck 91 hadron nucleus $10^5 - 6.2 \cdot 10^6$ Kopenkin 94 > 10^5 Baradzei 91 $4 \cdot 10^5 - 3 \cdot 10^6$ Borisov 94 > $4 \cdot 10^5$ Baradzei 93 hadron Mg 100 Whitmore 94 hadron Ag 100 Whitmore 94 hadron Au 100 Whitmore 94 hadron Pb > 6300 Arisawa 94 > 10^5 Arisawa 94 hadron⁺ p 140 Apsimon 90C 147 Arena 92 hadron⁺ nucleus 200 Brick 92 hadron⁻ p 140 Apsimon 90C meson⁺ p 250 Aivazyan 91 meson⁺ Al 250 Botterweck 90 meson⁺ Au 250 Botterweck 90 $\pi^\pm p$ 80 - 140 (12.29 - 16.24) Apsimon 92B 160 - 380 (17.35 - 26.72) Naples 94 200 - 300 (19.3 - 23.75) Adams 94 π^\pm nucleus 250 Rossi 91 600 Lipton 92 π^\pm deuteron 160 - 380 (24.57 - 37.8) Naples 94	$\pi^\pm Be$ 160 - 380 (52.51 - 80.32) Naples 94 $\pi^\pm C$ 160 - 380 (60.87 - 92.89) Naples 94 $\pi^\pm Al$ 160 - 380 (93.14 - 140.5) Naples 94 $\pi^\pm Ti$ 1.4 (46.01) Bayukov 94 $\pi^\pm Fe$ 1.4 (53.41) Bayukov 94 500 - 5000 (233.9 - 723.1) Avakyan 91B Avakyan 91C $\pi^\pm Cu$ 160 - 380 (149.8 - 220.2) Naples 94 $\pi^\pm Pb$ 160 - 380 (314.7 - 428.9) Naples 94 $\pi^+ \pi^-$ (0.3 - 1.9) Anisovich 95 π^+ nucleon 250 (21.7) Karchin 95 Wallace 94 $\pi^+ p$ 0.0963 - 2.161 (1.104 - 2.228) Arndt 95 0.1001 - 0.1202 (1.106 - 1.116) Joram 95 0.1 - 0.1545 (1.106 - 1.136) Joram 95B 0.1785 - 0.2411 (1.151 - 1.193) Brack 95 0.2258 - 0.3114 (1.182 - 1.241) Friedman 91 0.2651 - 0.7263 (1.209 - 1.513) Abaev 92 0.2875 - 0.3096 (1.225 - 1.23) Sevior 93 Sevior 91 0.2986 - 0.3744 (1.232 - 1.284) Pocanic 94 0.3957 (1.299) Sossi 91 0.427 - 0.657 (1.32 - 1.46) Supek 93 1.43 (1.896) Abaev 95 Aleksseev 95 < 2.135 (< 2.217) Arndt 91 3.6 - 4.2 (2.768 - 2.964) Batusov 93 Drutskoi 93 3.6 - 6.2 (2.768 - 3.541) Bulekov 94 3.94 (2.881) Landsberg 94C 4 (2.9) Abramov 91 Brovkin 91C 4.2 (2.964) Brovkin 94 Brovkin 92 Brovkin 91B 4.23 (2.974) Amelin 92 5.9 (3.46) White 94B 6 (3.487) Appel 91 10 (4.435) Appel 91 10.64 (4.568) Budagov 91 20 (6.199) Perepelitsa 91 Perepelitsa 90 80 (12.29) Apsimon 91B 80 - 140 (12.29 - 16.24) Apsimon 93 Apsimon 92 Gebert 92
$\mu^+ {}^{12}C$ 90 (46.23) Amaudruz 95 200 (67.8) Amaudruz 91C Arneodo 95 $\mu^+ Nit$ 200 - 280 (73.41 - 86.47) Roberts 91 280 (86.47) Arneodo 92 $\mu^+ Al$ 90 - 280 (71.8 - 121.3) Mallot 94 $\mu^+ Ca$ 90 - 280 (90.08 - 149.3) Mallot 94 Amaudruz 92 100 - 280 (94.13 - 149.3) Roberts 91 200 (127.8) Amaudruz 95 Arneodo 95D Arneodo 94 Arneodo 94B Arneodo 92 Amaudruz 91B Roberts 91 274 (147.8) 280 (149.3) Arneodo 94 Arneodo 92 Virchaux 92 Amaudruz 91F Roberts 91 Schellman 94 465 (190) 468 (190.6) 470 (191) Carroll 93 Adams 95C Adams 95D Fang 94 490 (194.9) Adams 95G Conrad 95 Kotwal 94B Mallot 94 Melanson 93	$\mu^+ Xe$ 490 (367.2) Conrad 95 Adams 94F Adams 94H Adams 93D Adams 92B Adams 92D Arneodo 92 Morfin 92 Schellman 91B $\mu^+ Pb$ 465 (465.6) Schellman 94 468 (466.8) Carroll 93 470 (467.6) Adams 95C Adams 95D Fang 94 490 (475.8) Adams 95G Conrad 95 Kotwal 94B Mallot 94 Melanson 93 Salgado 93 Salgado 93B Conrad 95 q q (< 1800) Zanetti 93 Flaucher 92B Incagli 92 q \bar{q} (< 1800) Sinervo 92 Yeh 92 Abe 91H Gold 91 dark nucleus ? Beck 94 dark ${}^{16}O$ 0 Snowdenift 95	hadron⁺ p 140 Apsimon 90C 147 Arena 92 hadron⁺ nucleus 200 Brick 92 hadron⁻ p 140 Apsimon 90C meson⁺ p 250 Aivazyan 91 meson⁺ Al 250 Botterweck 90 meson⁺ Au 250 Botterweck 90 $\pi^\pm p$ 80 - 140 (12.29 - 16.24) Apsimon 92B 160 - 380 (17.35 - 26.72) Naples 94 200 - 300 (19.3 - 23.75) Adams 94 π^\pm nucleus 250 Rossi 91 600 Lipton 92 π^\pm deuteron 160 - 380 (24.57 - 37.8) Naples 94	$\pi^\pm Be$ 160 - 380 (52.51 - 80.32) Naples 94 $\pi^\pm C$ 160 - 380 (60.87 - 92.89) Naples 94 $\pi^\pm Al$ 160 - 380 (93.14 - 140.5) Naples 94 $\pi^\pm Ti$ 1.4 (46.01) Bayukov 94 $\pi^\pm Fe$ 1.4 (53.41) Bayukov 94 500 - 5000 (233.9 - 723.1) Avakyan 91B Avakyan 91C $\pi^\pm Cu$ 160 - 380 (149.8 - 220.2) Naples 94 $\pi^\pm Pb$ 160 - 380 (314.7 - 428.9) Naples 94 $\pi^+ \pi^-$ (0.3 - 1.9) Anisovich 95 π^+ nucleon 250 (21.7) Karchin 95 Wallace 94 $\pi^+ p$ 0.0963 - 2.161 (1.104 - 2.228) Arndt 95 0.1001 - 0.1202 (1.106 - 1.116) Joram 95 0.1 - 0.1545 (1.106 - 1.136) Joram 95B 0.1785 - 0.2411 (1.151 - 1.193) Brack 95 0.2258 - 0.3114 (1.182 - 1.241) Friedman 91 0.2651 - 0.7263 (1.209 - 1.513) Abaev 92 0.2875 - 0.3096 (1.225 - 1.23) Sevior 93 Sevior 91 0.2986 - 0.3744 (1.232 - 1.284) Pocanic 94 0.3957 (1.299) Sossi 91 0.427 - 0.657 (1.32 - 1.46) Supek 93 1.43 (1.896) Abaev 95 Aleksseev 95 < 2.135 (< 2.217) Arndt 91 3.6 - 4.2 (2.768 - 2.964) Batusov 93 Drutskoi 93 3.6 - 6.2 (2.768 - 3.541) Bulekov 94 3.94 (2.881) Landsberg 94C 4 (2.9) Abramov 91 Brovkin 91C 4.2 (2.964) Brovkin 94 Brovkin 92 Brovkin 91B 4.23 (2.974) Amelin 92 5.9 (3.46) White 94B 6 (3.487) Appel 91 10 (4.435) Appel 91 10.64 (4.568) Budagov 91 20 (6.199) Perepelitsa 91 Perepelitsa 90 80 (12.29) Apsimon 91B 80 - 140 (12.29 - 16.24) Apsimon 93 Apsimon 92 Gebert 92

Entries are in order of beam name, then target name, then beam momentum. Particle names are ordered as described in the legend on page 119 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 120. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are equivalent p_{lab} in GeV/c; then E_{cm} in GeV follows in parentheses. For certain initial states only E_{cm} (in parentheses) is given.

$\pi^+ p$ $\pi^+ \text{Cu}$

$\pi^+ p$	Apsimon 91 Fiedler 91 Hofmann 91 Armstrong 92 Armstrong 91 Arena 95 Fuess 94C Boca 92 Agababyan 95B Agababyan 95C Agababyan 95D Agababyan 94 Agababyan 94B Agababyan 94C Agababyan 94D Ajinenko 94 Agababyan 93 Agababyan 93B Agababyan 93C Ajinenko 93 Charlet 93 Kittel 93 Begalli 92 Agababyan 91 Aivazyan 91 Aivazyan 91B Atayan 91 Botterweck 91 Schmitz 91 Agababyan 90B Ajinenko 90C Atayan 90 Durieux 91	$\pi^+ \text{deuteron}$ 0.2353 - 0.34 (2.136 - 2.217) Yeomans 95 0.2537 - 0.4168 (2.15 - 2.277) Jones 93 0.32 - 0.4278 (2.202 - 2.286) Prokofiev 95 0.3957 (2.261) Camerini 93 Sossi 92 Sossi 91 0.4693 - 0.5728 (2.318 - 2.398) Bazhanov 91 0.5388 (2.372) Gridnev 95 0.6242 (2.436) Peterson 95 10.64 (6.592) Budagov 91 $\pi^+ {}^3\text{H}$ 0.2177 - 0.4168 (3.045 - 3.207) Salvisberg 92 0.2445 (3.066) Dowell 95B 0.2445 - 0.3701 (3.066 - 3.169) Matthews 95 $\pi^+ {}^3\text{He}$ 0.1082 (2.969) Hahn 94 0.1904 (3.025) Khandaker 91 0.1947 (3.028) Hausser 91 0.2165 - 0.3519 (3.044 - 3.153) Altholz 94 0.2189 - 0.3637 (3.046 - 3.163) Maytalbeck 92 0.2445 - 0.3701 (3.066 - 3.169) Matthews 95 0.3584 (3.159) Dowell 95 $\pi^+ {}^4\text{He}$ 0.1482 - 0.4452 (3.927 - 4.169) Breuer 94 0.1904 (3.957) Khandaker 91 0.2189 - 0.3637 (3.97 - 4.099) Aclander 93 0.2707 (4.021) Weber 90 0.2875 (4.035) Langenbrunne 92 0.3957 (4.127) Camerini 93 Vetterli 92 0.6242 (4.321) Smith 93B 1 (4.629) Nagae 94 $\pi^+ \text{He}$ 0.3957 (4.129) Bonutti 93 $\pi^+ \text{Li}$ 0.6242 (7.077) Wise 93 10.64 (13.39) Budagov 91 300 (62.61) Antoniazzi 94B Garbincius 94 $\pi^+ {}^6\text{Li}$ 0.1161 - 0.1496 (5.769 - 5.792) Saunders 96 0.1947 - 0.2707 (5.825 - 5.887) Papandreou 95B 1.07 (6.582) Kishimoto 94 $\pi^+ {}^7\text{Li}$ 0.2353 - 0.302 (6.789 - 6.847) Meier 94 300 (62.89) Sansoni 95 Antoniazzi 94 Antoniazzi 92 Antoniazzi 92B $\pi^+ \text{Be}$ 10.64 (15.78) Budagov 91 11.2 (16.08) Akimenko 92 250 (65.33) Gardner 95 Appel 94 Alves 93 Alves 93B Spiegel 91 $\pi^+ {}^9\text{Be}$ 1.048 (9.382) Pile 91	$\pi^+ \text{Bor}$ 1.06 (11.09) Hasegawa 96 $\pi^+ {}^{10}\text{Bor}$ 1.06 (10.33) Nagae 95 $\pi^+ {}^{11}\text{Bor}$ 1 (11.21) Olin 91 1.05 (11.26) Noumi 95 $\pi^+ \text{C}$ 0.08907 - 0.1114 (11.35 - 11.37) Akimov 92 0.0963 (11.36) Friedman 91B 0.1161 - 0.1496 (11.37 - 11.39) Saunders 96 0.6242 (11.81) Wise 93 Zumbro 93 Peterson 92 3 (13.87) Smirnitsky 91 Vorobiev 91 $\pi^+ {}^{12}\text{C}$ 0.026 - 0.039 (11.32 - 11.32) Akimov 91 0.07526 - 0.2422 (11.34 - 11.46) Jones 92 0.08801 (11.34) Hanna 94 0.3637 - 0.6242 (11.56 - 11.8) Jones 93 Olin 91 1 (12.15) Pile 91 1.048 (12.19) Kishimoto 95 1.05 (12.19) Noumi 95 Ajimura 94 Ajimura 92B Hasegawa 96 Hasegawa 95 Nagae 95 1.07 (12.21) Kishimoto 94 Ajimura 92 Akei 91 Nakai 91 $\pi^+ {}^{13}\text{C}$ 0.08801 (12.27) Hanna 94 0.1947 (12.35) Brack 91 0.2117 - 0.3433 (12.36 - 12.47) Yen 91B 0.2685 (12.41) Gorgen 91 $\pi^+ \text{O}$ 0.3957 (15.32) Bonutti 93 $\pi^+ {}^{16}\text{O}$ 0.2122 - 0.268 (15.15 - 15.1) Hyman 92 0.2129 - 0.2707 (15.15 - 15.2) Hyman 92 0.3259 - 0.3744 (15.25 - 15.29) Beatty 93 0.3957 (15.31) Camerini 93 0.4168 - 0.6242 (15.33 - 15.53) Beatty 93C 1.048 (15.92) Pile 91 $\pi^+ {}^{18}\text{O}$ 0.4693 - 0.5625 (17.25 - 17.34) Johnson 93B $\pi^+ {}^{20}\text{Ne}$ 0.2189 - 0.2875 (18.89 - 18.95) Burlein 95 $\pi^+ \text{Mg}$ 100 (70.9) Whitmore 94 200 (97.82) Brick 92 $\pi^+ {}^{26}\text{Mg}$ 0.2673 (24.52) Clausen 93	$\pi^+ \text{Al}$ 0.1161 - 0.1496 (25.31 - 25.34) Saunders 96 0.6242 (25.77) Wise 93 10.64 (34.15) Budagov 91 250 (114.9) Agababyan 95 Agababyan 95B Gardner 95 Appel 94 Alves 93 Alves 93B Yandarbiev 93 Agababyan 92 Ajinenko 92 Botterweck 92 Agababyan 91B Spiegel 91 Agababyan 90C Botterweck 90 $\pi^+ {}^{27}\text{Al}$ 0.1947 - 0.4099 (25.39 - 25.58) Mckinzie 94 $\pi^+ \text{Si}$ 0.1161 - 0.1496 (26.34 - 26.37) Saunders 96 $\pi^+ {}^{28}\text{Si}$ 0.3749 (26.48) Rawoolsulliv 94 1.048 (27.12) Pile 91 1.06 (27.13) Hasegawa 96 Nagae 95 $\pi^+ \text{S}$ 0.1161 - 0.1496 (30.05 - 30.07) Saunders 96 $\pi^+ \text{Ca}$ 0.1161 - 0.1496 (37.52 - 37.54) Saunders 96 0.6242 (37.97) Wise 93 $\pi^+ {}^{40}\text{Ca}$ 1.048 (38.3) Pile 91 $\pi^+ \text{Ti}$ 1.39 (45.9) Bayukov 91 1.4 (46.01) Bayukov 94 $\pi^+ {}^{51}\text{Va}$ 1.048 (48.56) Pile 91 $\pi^+ {}^{56}\text{Fe}$ 0.5212 (52.7) Smith 93C 1.07 (53.23) Akei 91 $\pi^+ \text{Fe}$ 1.39 (53.4) Bayukov 91 1.4 (53.41) Bayukov 94 $\pi^+ {}^{58}\text{Ni}$ 0.2189 - 0.4084 (54.29 - 54.46) Fortune 94 0.2875 (54.35) Laymon 96 0.3637 - 0.6242 (54.42 - 54.66) Jones 93 $\pi^+ \text{Ni}$ 0.0963 (54.86) Friedman 91B $\pi^+ {}^{60}\text{Ni}$ 0.2875 (56.21) Laymon 96 $\pi^+ {}^{62}\text{Ni}$ 0.2875 (58.07) Laymon 96 $\pi^+ {}^{64}\text{Ni}$ 0.2875 (59.93) Laymon 96 $\pi^+ \text{Cu}$ 10.64 (69.02) Budagov 91 11.2 (69.5) Akimenko 92
-----------------------------	--	--	---	---

π^- Ag K^- Al

π^- Ag	$K^\pm p$	$K^+ C$	$K^- p$
40 (134.7) Ivanshin 94 100 (173.8) Ananieva 92 100 - 320 (173.8 - 272.8) Whitmore 94 200.1 (224.3) Albrecht 93G	80 - 140 (12.2 - 16.24) Apsimon 92B	0.488 - 0.714 (11.87 - 12.03) Sawafta 93 0.705 (12.03) Kormanyos 95 Kormanyos 93	0 (1.432) Larson 93 0.44 - 0.5 (1.538 - 1.563) Noble 92 Lach 94 Lach 93 1.66 (2.091) Iijima 92 5.9 (3.498) White 94B 6 (3.524) Appel 91 6.5 - 8.25 (3.655 - 4.078) Landsberg 90 6.6 - 8.25 (3.68 - 4.078) Landsberg 94C 8.25 (4.078) Landsberg 94C 10 (4.462) Appel 91 11 (4.668) Aston 94 Landsberg 94C Aston 93 Kwon 93 Rensing 93 Aston 92 Aston 92B Aston 91 Aston 91B Aston 91C Dunwoodie 91 Bogolyubsky 95 Bogolyubsky 94 Boos 95 Landsberg 90 Kulik 94 79.9 - 140 (12.2 - 16.24) Apsimon 93
π^- Cd	$K^+ nucleon$	$K^+ {}^{12}C$	
1.2 - 5 (105.9 - 109.6) Smirnitsky 91 3 (107.7) Vorobiev 91 Degtyarenko 91	< 3.105 (< 2.653) Hyslop 92 250 (21.71) Karchin 95 Wallace 94	0.488 - 0.714 (11.86 - 12.03) Weiss 94	
π^- Sn	$K^+ p$	$K^+ Mg$	
0.6242 (111.2) Wise 93	0.705 (1.655) Kormanyos 93 5.9 (3.498) White 94B 6 (3.524) Appel 91 10 (4.462) Appel 91 79.9 - 140 (12.2 - 16.24) Apsimon 93	100 (70.9) Whitmore 94 200 (97.82) Brick 92	
π^- Xe	$K^+ n$	$K^+ Al$	
2.34 - 9 (124.6 - 131) Strugalskago 94 3.5 (125.8) Strugalski 93 Bekmirzaev 91 Pawlyak 91 Strugalski 91 Strugalski 91B Strugalski 91C Zielinska 91	80 - 140 (12.2 - 16.24) Apsimon 92 Gebert 92 Apsimon 91 Fiedler 91 Hofmann 91 Apsimon 91B Arena 95 Boca 92 250 (21.69) Agababyan 95B Agababyan 95C Agababyan 95D Agababyan 94B Agababyan 94C Ajinenko 94 Agababyan 93B Agababyan 93C Begalli 92 Agababyan 91 Aivazyan 91 Aivazyan 91B Atayan 91 Botterweck 91 Schmitz 91 Agababyan 90B Atayan 90	250 (114.9) Agababyan 95 Agababyan 95B Appel 94 Yandarbiev 93 Agababyan 92 Ajinenko 92 Botterweck 92 Agababyan 91B Agababyan 90C Botterweck 90	
π^- Ta	$K^+ Si$	$K^+ {}^{28}Si$	
0.6242 (169.2) Wise 93 40 (204.7) Ivanshin 94 Ananieva 92		0.488 - 0.714 (26.85 - 27.02) Sawafta 93	32 (7.822) 32.1 (7.834) 32.5 (7.882) Landsberg 90 38 (8.511) Kulik 94 79.9 - 140 (12.2 - 16.24) Apsimon 93
π^- Wt	$K^+ Ca$	$K^+ {}^{40}Ca$	
125 (268.6) Tzamaris 90 250 (339.1) Gardner 95 Appel 94 Alves 93 Alves 93B Alves 92 Spiegel 91 340 (381.8) Alves 93B Adamovich 92 350 (386.3) Adamovich 95B		0.488 - 0.714 (37.95 - 38.12) Weiss 94	80 - 140 (12.2 - 16.24) Apsimon 92 Gebert 92 Apsimon 91 Fiedler 91 Hofmann 91 Apsimon 91B 140 (16.24) Apsimon 91B 200 - 230 (19.4 - 20.8) Appel 92 230 (20.8) Appel 92
π^- Pt	$K^+ Cu$	$K^- nucleus$	
250 (351) Appel 94 500 (463.4) Aitala 96	< 3.105 (< 2.652) Hyslop 92 5.98 (3.522) Svec 91B 5.98 - 11.85 (3.522 - 4.839) Svec 93B	10.5 (68.91) Blick 94 11.2 (69.51) Akimenko 92 Akimenko 92B Akimenko 90B 250 (181.9) Appel 94	1.66 Aoki 95B Itow 94 Aoki 93 Iijima 92 Imai 92 Aoki 91 Aoki 91E Elnadi 94B
π^- Au	$K^+ nucleon$	$K^+ Ag$	
100 - 320 (265.2 - 388.7) Whitmore 94 200.1 (327.3) Albrecht 93G	0.2507 Berdnikov 92 Berdnikov 91 Berdnikov 91C 0.4873 Berdnikov 91B 70 Elnadi 94B 100 - 200 Geist 91	100 (173.8) Whitmore 94 200 (224.3) Brick 92	70
π^- Pb	$K^+ deuteron$	$K^+ Wt$	$K^- deuteron$
0.6242 (193.6) Wise 93 1.2 - 5 (194.2 - 197.9) Smirnitsky 91 Vorobiev 91 3 (195) Degtyarenko 91 3.15 (196.1) Bayukov 94 38 (227.9) Chklovskaja 95 40 (229.6) Ivanshin 94 Antipov 93B Ananieva 92 Antipov 92 Antipov 90C 530 (491.8) Spiegel 91	0.3811 - 0.58 Berdnikov 91C 0.4873 Berdnikov 91B Elnadi 94B 100 - 200 Geist 91	250 (339.1) Appel 94	0.87 (2.741) Piekarcz 93 40 (12.4) Apokin 92
$\pi^- {}^{208}Pb$	$K^+ Li$	$K^+ Au$	$K^- {}^3He$
0.07735 - 0.112 (193.9 - 193.9) Burlison 94	0.488 - 0.714 (7.142 - 7.298) Sawafta 93	100 (265.2) Whitmore 94 200 (327.2) Brick 92 250 (354.1) Agababyan 95 Agababyan 95B Yandarbiev 93 Agababyan 92 Botterweck 92 Agababyan 91B Agababyan 90C Botterweck 90	0.87 (3.694) Piekarcz 93
$\pi^- {}^{238}U$	$K^+ {}^6Li$	$K^+ Pb$	$K^- {}^4He$
0 (221.8) Belovitsky 91 0.1947 (221.9) Belovitsky 92	0.488 - 0.714 (6.264 - 6.417) Weiss 94	0.705 (193.9) Kormanyos 95 Kormanyos 93 Akimenko 92B Akimenko 90B	0 (4.21) Hayano 91
$\pi^- U$	$K^+ Be$	$K^- e^-$	$K^- Be$
0.6242 (222.4) Wise 93	11.2 (16.09) Akimenko 92 Akimenko 92B Akimenko 90B Appel 94	250 (0.7062) Buenerd 92	40 (27.25) Antipov 92 Tyapkin 91 Antipov 90C 250 (65.33) Appel 94
$\rho^0 nucleon$		$K^- nucleon$	$K^- C$
200 (19.43) Arneodo 94		250 (21.71) Karchin 95 Wallace 94	1.66 (12.81) Iijima 92
			$K^- {}^{12}C$
			0 (11.67) Denisov 91 Sakaguchi 90
			$K^- Al$
			1.66 (26.81) Iijima 92 40 (51.41) Antipov 92 Tyapkin 91 Antipov 90C Appel 94

Entries are in order of beam name, then target name, then beam momentum. Particle names are ordered as described in the legend on page 119 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 120. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are equivalent p_{lab} in GeV/c; then E_{cm} in GeV follows in parentheses. For certain initial states only E_{cm} (in parentheses) is given.

K⁻ Cu

p nucleus

K ⁻ Cu	p nucleus	pp	pp
1.66 (60.91) Iijima 92 40 (90.78) Antipov 92 Tyapkin 91 Antipov 90C	Parashar 94 Parashar 94B Jansen 93 Shivpuri 93C Spiegel 91	2.032 - 3.204 (2.441 - 2.833) Yonnet 93 2.742 - 3.026 (2.683 - 2.776) Ball 94B Ball 94B Siebert 91 3.099 - 3.515 (2.79 - 2.931) Siebert 94	(24.3) Balocchi 94 Balocchi 93 Sozzi 93 Singh 91 Singh 91B 360 (26.03) Appel 92 Boos 95 Shaoshun 95 Wang 95B Wang 95C Zhang 95 Wang 94C Wang 94D Wang 94E Appel 92 Fields 92 Aguilabenit 91 Aguilabenit 91B Corcoran 91 400 - 800 (27.43 - 38.77) Rossi 91 450 (29.09) Alde 95B Antinori 95 Donskov 95 Ishida 95 Abatiz 94D Baldit 94 Kirk 94 Nassalski 94 Sadovsky 94 Singovsky 94 Breakstone 91B Dremin 94 Gutierrez 94 Mcgaughey 94 Appel 92 Fields 92 Mcgaughey 92 Spiegel 91 Goulianos 94 Kundrat 92 Raha 91 Breakstone 93 Bari 91 Bari 91B Breakstone 91 Angelis 91 Buenerd 92 Smith 92 Palano 92 10 ⁶ (1360) Avakyan 91D (5.31 · 10 ³ - 2.73 · 10 ⁴) Bellandi 95 Burchell 92 Berger 91
230 (175.3) Kwan 93 Spiegel 91 Barlag 90E Appel 94	10 ⁵ (433.6) Zatsopin 94B Burchell 92	3.88 (3.042) Nakai 91 4.2 - 10 (3.136 - 4.53) Pluta 93 5.762 (3.566) Huang 94 Wilson 94 Huang 92 White 94B Appel 91 6 (3.627) Appel 91 9 (4.329) Belzer 92 10 (4.53) Appel 91 13.3 - 18.5 (5.175 - 6.043) Yokosawa 91 19 (6.12) Danielsen 92 24 (6.843) Krusch 91 Nurushev 91 Yokosawa 91 27.5 (7.307) Hartouni 94 Uribe 94 Wiencke 92 32 (7.864) Bogolyubsky 95 Zabrodin 95 Bogolyubsky 94 Minaenko 94 Bogolyubsky 93 Bravina 92 Boos 95 Boos 94 Volkov 92 (11.5) Bhattacharje 91 (11.5 - 62.2) Balatz 93 70 (11.54) Palano 92 (12 - 24) Bertolotto 94 85 (12.6) Palano 92 85 - 300 (12.6 - 23.76) Antinori 95 Armstrong 92 Armstrong 91 Arena 95 Boca 92 147 (16.66) Yokosawa 92 Yokosawa 91 Adams 95H Bravar 95 Adams 94B Adams 94C Lourenco 94 Akchurin 93 Appel 92 Pumplin 92 Yokosawa 92 Adams 91 Adams 91B Adams 91C Adams 91D Adams 91F Gazdzicki 91 Gazdzicki 91 Nurushev 91 Yokosawa 91 200 - 400 (19.42 - 27.43) Abduzhamilov 91 200.9 (19.46) Lourenco 93 205 - 300 (19.66 - 23.76) Gazdzicki 91 250 (21.7) Aivazyan 91 280 (22.96) Durieux 91 300 (23.76) Girone 94 Muminov 93 Armstrong 92H Palano 92 Armstrong 91C Armstrong 91E Prokoshkin 90 Yuldashev 90B Yuldashev 90C (24) Palano 92	710 (26.38) Appel 92 400 (27.43) Shaoshun 95 Wang 95B Wang 95C Zhang 95 Wang 94C Wang 94D Wang 94E Appel 92 Fields 92 Aguilabenit 91 Aguilabenit 91B Corcoran 91 400 - 800 (27.43 - 38.77) Rossi 91 450 (29.09) Alde 95B Antinori 95 Donskov 95 Ishida 95 Abatiz 94D Baldit 94 Kirk 94 Nassalski 94 Sadovsky 94 Singovsky 94 Breakstone 91B Dremin 94 Gutierrez 94 Mcgaughey 94 Appel 92 Fields 92 Mcgaughey 92 Spiegel 91 Goulianos 94 Kundrat 92 Raha 91 Breakstone 93 Bari 91 Bari 91B Breakstone 91 Angelis 91 Buenerd 92 Smith 92 Palano 92 10 ⁶ (1360) Avakyan 91D (5.31 · 10 ³ - 2.73 · 10 ⁴) Bellandi 95 Burchell 92 Berger 91
250 (181.9) Appel 94	0.045 (1.877) Vanoers 93 0.05218 - 0.07123 (1.877 - 1.878) Combescomets 91 (1.88 - 3.02) Strakovskii 91 0.1686 - 0.5712 (1.884 - 1.955) Henneck 93 0.221 (1.889) Clajus 95 Kretschmer 94 0.287 (1.898) Bruckner 91B Bruckner 91C 0.325 - 1.012 (1.904 - 2.086) Rappenecker 95 (1.93 - 1.97) Beznogikh 91C 0.5 - 2 (1.938 - 2.43) Kobayashi 91 0.6 - 0.9 (1.962 - 2.04) Andreev 94 0.6139 (1.966) Vonprzewoski 91 0.66 (1.978) Budyashov 93 0.7405 - 0.7942 (2.001 - 2.017) Korkmaz 91 0.7782 - 0.8236 (2.012 - 2.026) Bondar 95 0.7857 - 0.8468 (2.014 - 2.033) Meyer 92 0.7872 (2.015) Meyer 92 0.7988 (2.018) Przewoski 92 0.7988 - 0.8384 (2.018 - 2.03) Daehnick 95 < 0.8828 (< 2.044) Stoks 93 Stoks 92 0.941 (2.063) Matsuoka 95 1 - 3 (2.082 - 2.768) Nagata 92 1.037 (2.094) Ram 93 1.064 - 1.168 (2.103 - 2.138) Didenlez 91 1.079 - 1.455 (2.108 - 2.238) Gulmez 93 Simon 93 1.087 (2.111) Hoffmann 94 1.09 - 1.463 (2.112 - 2.241) Nagata 92 Yoshida 91 1.09 - 1.921 (2.112 - 2.403) Nagata 92 1.099 (2.115) Abegg 91 1.103 - 1.373 (2.116 - 2.2) Beurtey 92 1.273 - 1.45 (2.174 - 2.23) Glass 93 1.424 - 405 (2.227 - 27.6) Gazdzicki 95 1.46 - 1.7 (2.23 - 2.325) Higuchi 93 < 1.463 (< 2.241) Lafrance 93 1.463 (2.241) Comptour 94 Vanoers 93 1.49 (2.251) Chiba 91 < 1.6 (< 2.289) Arndt 94 Arndt 92 1.604 (2.291) Efremenko 94 1.73 - 5.762 (2.335 - 3.566) Wilson 94 Wilson 93 1.988 - 2.032 (2.426 - 2.441) Bergdolt 93 1.994 - 2.251 (2.428 - 2.517) Chiavassa 94 2.032 - 2.251 (2.441 - 2.517) Chiavassa 94B	2.032 - 3.204 (2.441 - 2.833) Yonnet 93 2.742 - 3.026 (2.683 - 2.776) Ball 94B Ball 94B Siebert 91 3.099 - 3.515 (2.79 - 2.931) Siebert 94 3.88 (3.042) Nakai 91 4.2 - 10 (3.136 - 4.53) Pluta 93 5.762 (3.566) Huang 94 Wilson 94 Huang 92 White 94B Appel 91 6 (3.627) Appel 91 9 (4.329) Belzer 92 10 (4.53) Appel 91 13.3 - 18.5 (5.175 - 6.043) Yokosawa 91 19 (6.12) Danielsen 92 24 (6.843) Krusch 91 Nurushev 91 Yokosawa 91 27.5 (7.307) Hartouni 94 Uribe 94 Wiencke 92 32 (7.864) Bogolyubsky 95 Zabrodin 95 Bogolyubsky 94 Minaenko 94 Bogolyubsky 93 Bravina 92 Boos 95 Boos 94 Volkov 92 (11.5) Bhattacharje 91 (11.5 - 62.2) Balatz 93 70 (11.54) Palano 92 (12 - 24) Bertolotto 94 85 (12.6) Palano 92 85 - 300 (12.6 - 23.76) Antinori 95 Armstrong 92 Armstrong 91 Arena 95 Boca 92 147 (16.66) Yokosawa 92 Yokosawa 91 Adams 95H Bravar 95 Adams 94B Adams 94C Lourenco 94 Akchurin 93 Appel 92 Pumplin 92 Yokosawa 92 Adams 91 Adams 91B Adams 91C Adams 91D Adams 91F Gazdzicki 91 Gazdzicki 91 Nurushev 91 Yokosawa 91 200 - 400 (19.42 - 27.43) Abduzhamilov 91 200.9 (19.46) Lourenco 93 205 - 300 (19.66 - 23.76) Gazdzicki 91 250 (21.7) Aivazyan 91 280 (22.96) Durieux 91 300 (23.76) Girone 94 Muminov 93 Armstrong 92H Palano 92 Armstrong 91C Armstrong 91E Prokoshkin 90 Yuldashev 90B Yuldashev 90C (24) Palano 92	(24.3) Balocchi 94 Balocchi 93 Sozzi 93 Singh 91 Singh 91B 360 (26.03) Appel 92 Boos 95 Shaoshun 95 Wang 95B Wang 95C Zhang 95 Wang 94C Wang 94D Wang 94E Appel 92 Fields 92 Aguilabenit 91 Aguilabenit 91B Corcoran 91 400 - 800 (27.43 - 38.77) Rossi 91 450 (29.09) Alde 95B Antinori 95 Donskov 95 Ishida 95 Abatiz 94D Baldit 94 Kirk 94 Nassalski 94 Sadovsky 94 Singovsky 94 Breakstone 91B Dremin 94 Gutierrez 94 Mcgaughey 94 Appel 92 Fields 92 Mcgaughey 92 Spiegel 91 Goulianos 94 Kundrat 92 Raha 91 Breakstone 93 Bari 91 Bari 91B Breakstone 91 Angelis 91 Buenerd 92 Smith 92 Palano 92 10 ⁶ (1360) Avakyan 91D (5.31 · 10 ³ - 2.73 · 10 ⁴) Bellandi 95 Burchell 92 Berger 91
K ⁻ Ag	0.045 (1.877) Vanoers 93 0.05218 - 0.07123 (1.877 - 1.878) Combescomets 91 (1.88 - 3.02) Strakovskii 91 0.1686 - 0.5712 (1.884 - 1.955) Henneck 93 0.221 (1.889) Clajus 95 Kretschmer 94 0.287 (1.898) Bruckner 91B Bruckner 91C 0.325 - 1.012 (1.904 - 2.086) Rappenecker 95 (1.93 - 1.97) Beznogikh 91C 0.5 - 2 (1.938 - 2.43) Kobayashi 91 0.6 - 0.9 (1.962 - 2.04) Andreev 94 0.6139 (1.966) Vonprzewoski 91 0.66 (1.978) Budyashov 93 0.7405 - 0.7942 (2.001 - 2.017) Korkmaz 91 0.7782 - 0.8236 (2.012 - 2.026) Bondar 95 0.7857 - 0.8468 (2.014 - 2.033) Meyer 92 0.7872 (2.015) Meyer 92 0.7988 (2.018) Przewoski 92 0.7988 - 0.8384 (2.018 - 2.03) Daehnick 95 < 0.8828 (< 2.044) Stoks 93 Stoks 92 0.941 (2.063) Matsuoka 95 1 - 3 (2.082 - 2.768) Nagata 92 1.037 (2.094) Ram 93 1.064 - 1.168 (2.103 - 2.138) Didenlez 91 1.079 - 1.455 (2.108 - 2.238) Gulmez 93 Simon 93 1.087 (2.111) Hoffmann 94 1.09 - 1.463 (2.112 - 2.241) Nagata 92 Yoshida 91 1.09 - 1.921 (2.112 - 2.403) Nagata 92 1.099 (2.115) Abegg 91 1.103 - 1.373 (2.116 - 2.2) Beurtey 92 1.273 - 1.45 (2.174 - 2.23) Glass 93 1.424 - 405 (2.227 - 27.6) Gazdzicki 95 1.46 - 1.7 (2.23 - 2.325) Higuchi 93 < 1.463 (< 2.241) Lafrance 93 1.463 (2.241) Comptour 94 Vanoers 93 1.49 (2.251) Chiba 91 < 1.6 (< 2.289) Arndt 94 Arndt 92 1.604 (2.291) Efremenko 94 1.73 - 5.762 (2.335 - 3.566) Wilson 94 Wilson 93 1.988 - 2.032 (2.426 - 2.441) Bergdolt 93 1.994 - 2.251 (2.428 - 2.517) Chiavassa 94 2.032 - 2.251 (2.441 - 2.517) Chiavassa 94B	2.032 - 3.204 (2.441 - 2.833) Yonnet 93 2.742 - 3.026 (2.683 - 2.776) Ball 94B Ball 94B Siebert 91 3.099 - 3.515 (2.79 - 2.931) Siebert 94 3.88 (3.042) Nakai 91 4.2 - 10 (3.136 - 4.53) Pluta 93 5.762 (3.566) Huang 94 Wilson 94 Huang 92 White 94B Appel 91 6 (3.627) Appel 91 9 (4.329) Belzer 92 10 (4.53) Appel 91 13.3 - 18.5 (5.175 - 6.043) Yokosawa 91 19 (6.12) Danielsen 92 24 (6.843) Krusch 91 Nurushev 91 Yokosawa 91 27.5 (7.307) Hartouni 94 Uribe 94 Wiencke 92 32 (7.864) Bogolyubsky 95 Zabrodin 95 Bogolyubsky 94 Minaenko 94 Bogolyubsky 93 Bravina 92 Boos 95 Boos 94 Volkov 92 (11.5) Bhattacharje 91 (11.5 - 62.2) Balatz 93 70 (11.54) Palano 92 (12 - 24) Bertolotto 94 85 (12.6) Palano 92 85 - 300 (12.6 - 23.76) Antinori 95 Armstrong 92 Armstrong 91 Arena 95 Boca 92 147 (16.66) Yokosawa 92 Yokosawa 91 Adams 95H Bravar 95 Adams 94B Adams 94C Lourenco 94 Akchurin 93 Appel 92 Pumplin 92 Yokosawa 92 Adams 91 Adams 91B Adams 91C Adams 91D Adams 91F Gazdzicki 91 Gazdzicki 91 Nurushev 91 Yokosawa 91 200 - 400 (19.42 - 27.43) Abduzhamilov 91 200.9 (19.46) Lourenco 93 205 - 300 (19.66 - 23.76) Gazdzicki 91 250 (21.7) Aivazyan 91 280 (22.96) Durieux 91 300 (23.76) Girone 94 Muminov 93 Armstrong 92H Palano 92 Armstrong 91C Armstrong 91E Prokoshkin 90 Yuldashev 90B Yuldashev 90C (24) Palano 92	(24.3) Balocchi 94 Balocchi 93 Sozzi 93 Singh 91 Singh 91B 360 (26.03) Appel 92 Boos 95 Shaoshun 95 Wang 95B Wang 95C Zhang 95 Wang 94C Wang 94D Wang 94E Appel 92 Fields 92 Aguilabenit 91 Aguilabenit 91B Corcoran 91 400 - 800 (27.43 - 38.77) Rossi 91 450 (29.09) Alde 95B Antinori 95 Donskov 95 Ishida 95 Abatiz 94D Baldit 94 Kirk 94 Nassalski 94 Sadovsky 94 Singovsky 94 Breakstone 91B Dremin 94 Gutierrez 94 Mcgaughey 94 Appel 92 Fields 92 Mcgaughey 92 Spiegel 91 Goulianos 94 Kundrat 92 Raha 91 Breakstone 93 Bari 91 Bari 91B Breakstone 91 Angelis 91 Buenerd 92 Smith 92 Palano 92 10 ⁶ (1360) Avakyan 91D (5.31 · 10 ³ - 2.73 · 10 ⁴) Bellandi 95 Burchell 92 Berger 91
K ⁻ Wt	0.045 (1.877) Vanoers 93 0.05218 - 0.07123 (1.877 - 1.878) Combescomets 91 (1.88 - 3.02) Strakovskii 91 0.1686 - 0.5712 (1.884 - 1.955) Henneck 93 0.221 (1.889) Clajus 95 Kretschmer 94 0.287 (1.898) Bruckner 91B Bruckner 91C 0.325 - 1.012 (1.904 - 2.086) Rappenecker 95 (1.93 - 1.97) Beznogikh 91C 0.5 - 2 (1.938 - 2.43) Kobayashi 91 0.6 - 0.9 (1.962 - 2.04) Andreev 94 0.6139 (1.966) Vonprzewoski 91 0.66 (1.978) Budyashov 93 0.7405 - 0.7942 (2.001 - 2.017) Korkmaz 91 0.7782 - 0.8236 (2.012 - 2.026) Bondar 95 0.7857 - 0.8468 (2.014 - 2.033) Meyer 92 0.7872 (2.015) Meyer 92 0.7988 (2.018) Przewoski 92 0.7988 - 0.8384 (2.018 - 2.03) Daehnick 95 < 0.8828 (< 2.044) Stoks 93 Stoks 92 0.941 (2.063) Matsuoka 95 1 - 3 (2.082 - 2.768) Nagata 92 1.037 (2.094) Ram 93 1.064 - 1.168 (2.103 - 2.138) Didenlez 91 1.079 - 1.455 (2.108 - 2.238) Gulmez 93 Simon 93 1.087 (2.111) Hoffmann 94 1.09 - 1.463 (2.112 - 2.241) Nagata 92 Yoshida 91 1.09 - 1.921 (2.112 - 2.403) Nagata 92 1.099 (2.115) Abegg 91 1.103 - 1.373 (2.116 - 2.2) Beurtey 92 1.273 - 1.45 (2.174 - 2.23) Glass 93 1.424 - 405 (2.227 - 27.6) Gazdzicki 95 1.46 - 1.7 (2.23 - 2.325) Higuchi 93 < 1.463 (< 2.241) Lafrance 93 1.463 (2.241) Comptour 94 Vanoers 93 1.49 (2.251) Chiba 91 < 1.6 (< 2.289) Arndt 94 Arndt 92 1.604 (2.291) Efremenko 94 1.73 - 5.762 (2.335 - 3.566) Wilson 94 Wilson 93 1.988 - 2.032 (2.426 - 2.441) Bergdolt 93 1.994 - 2.251 (2.428 - 2.517) Chiavassa 94 2.032 - 2.251 (2.441 - 2.517) Chiavassa 94B	2.032 - 3.204 (2.441 - 2.833) Yonnet 93 2.742 - 3.026 (2.683 - 2.776) Ball 94B Ball 94B Siebert 91 3.099 - 3.515 (2.79 - 2.931) Siebert 94 3.88 (3.042) Nakai 91 4.2 - 10 (3.136 - 4.53) Pluta 93 5.762 (3.566) Huang 94 Wilson 94 Huang 92 White 94B Appel 91 6 (3.627) Appel 91 9 (4.329) Belzer 92 10 (4.53) Appel 91 13.3 - 18.5 (5.175 - 6.043) Yokosawa 91 19 (6.12) Danielsen 92 24 (6.843) Krusch 91 Nurushev 91 Yokosawa 91 27.5 (7.307) Hartouni 94 Uribe 94 Wiencke 92 32 (7.864) Bogolyubsky 95 Zabrodin 95 Bogolyubsky 94 Minaenko 94 Bogolyubsky 93 Bravina 92 Boos 95 Boos 94 Volkov 92 (11.5) Bhattacharje 91 (11.5 - 62.2) Balatz 93 70 (11.54) Palano 92 (12 - 24) Bertolotto 94 85 (12.6) Palano 92 85 - 300 (12.6 - 23.76) Antinori 95 Armstrong 92 Armstrong 91 Arena 95 Boca 92 147 (16.66) Yokosawa 92 Yokosawa 91 Adams 95H Bravar 95 Adams 94B Adams 94C Lourenco 94 Akchurin 93 Appel 92 Pumplin 92 Yokosawa 92 Adams 91 Adams 91B Adams 91C Adams 91D Adams 91F Gazdzicki 91 Gazdzicki 91 Nurushev 91 Yokosawa 91 200 - 400 (19.42 - 27.43) Abduzhamilov 91 200.9 (19.46) Lourenco 93 205 - 300 (19.66 - 23.76) Gazdzicki 91 250 (21.7) Aivazyan 91 280 (22.96) Durieux 91 300 (23.76) Girone 94 Muminov 93 Armstrong 92H Palano 92 Armstrong 91C Armstrong 91E Prokoshkin 90 Yuldashev 90B Yuldashev 90C (24) Palano 92	(24.3) Balocchi 94 Balocchi 93 Sozzi 93 Singh 91 Singh 91B 360 (26.03) Appel 92 Boos 95 Shaoshun 95 Wang 95B Wang 95C Zhang 95 Wang 94C Wang 94D Wang 94E Appel 92 Fields 92 Aguilabenit 91 Aguilabenit 91B Corcoran 91 400 - 800 (27.43 - 38.77) Rossi 91 450 (29.09) Alde 95B Antinori 95 Donskov 95 Ishida 95 Abatiz 94D Baldit 94 Kirk 94 Nassalski 94 Sadovsky 94 Singovsky 94 Breakstone 91B Dremin 94 Gutierrez 94 Mcgaughey 94 Appel 92 Fields 92 Mcgaughey 92 Spiegel 91 Goulianos 94 Kundrat 92 Raha 91 Breakstone 93 Bari 91 Bari 91B Breakstone 91 Angelis 91 Buenerd 92 Smith 92 Palano 92 10 ⁶ (1360) Avakyan 91D (5.31 · 10 ³ - 2.73 · 10 ⁴) Bellandi 95 Burchell 92 Berger 91
K ⁻ Pb	0.045 (1.877) Vanoers 93 0.05218 - 0.07123 (1.877 - 1.878) Combescomets 91 (1.88 - 3.02) Strakovskii 91 0.1686 - 0.5712 (1.884 - 1.955) Henneck 93 0.221 (1.889) Clajus 95 Kretschmer 94 0.287 (1.898) Bruckner 91B Bruckner 91C 0.325 - 1.012 (1.904 - 2.086) Rappenecker 95 (1.93 - 1.97) Beznogikh 91C 0.5 - 2 (1.938 - 2.43) Kobayashi 91 0.6 - 0.9 (1.962 - 2.04) Andreev 94 0.6139 (1.966) Vonprzewoski 91 0.66 (1.978) Budyashov 93 0.7405 - 0.7942 (2.001 - 2.017) Korkmaz 91 0.7782 - 0.8236 (2.012 - 2.026) Bondar 95 0.7857 - 0.8468 (2.014 - 2.033) Meyer 92 0.7872 (2.015) Meyer 92 0.7988 (2.018) Przewoski 92 0.7988 - 0.8384 (2.018 - 2.03) Daehnick 95 < 0.8828 (< 2.044) Stoks 93 Stoks 92 0.941 (2.063) Matsuoka 95 1 - 3 (2.082 - 2.768) Nagata 92 1.037 (2.094) Ram 93 1.064 - 1.168 (2.103 - 2.138) Didenlez 91 1.079 - 1.455 (2.108 - 2.238) Gulmez 93 Simon 93 1.087 (2.111) Hoffmann 94 1.09 - 1.463 (2.112 - 2.241) Nagata 92 Yoshida 91 1.09 - 1.921 (2.112 - 2.403) Nagata 92 1.099 (2.115) Abegg 91 1.103 - 1.373 (2.116 - 2.2) Beurtey 92 1.273 - 1.45 (2.174 - 2.23) Glass 93 1.424 - 405 (2.227 - 27.6) Gazdzicki 95 1.46 - 1.7 (2.23 - 2.325) Higuchi 93 < 1.463 (< 2.241) Lafrance 93 1.463 (2.241) Comptour 94 Vanoers 93 1.49 (2.251) Chiba 91 < 1.6 (< 2.289) Arndt 94 Arndt 92 1.604 (2.291) Efremenko 94 1.73 - 5.762 (2.335 - 3.566) Wilson 94 Wilson 93 1.988 - 2.032 (2.426 - 2.441) Bergdolt 93 1.994 - 2.251 (2.428 - 2.517) Chiavassa 94 2.032 - 2.251 (2.441 - 2.517) Chiavassa 94B	2.032 - 3.204 (2.441 - 2.833) Yonnet 93 2.742 - 3.026 (2.683 - 2.776) Ball 94B Ball 94B Siebert 91 3.099 - 3.515 (2.79 - 2.931) Siebert 94 3.88 (3.042) Nakai 91 4.2 - 10 (3.136 - 4.53) Pluta 93 5.762 (3.566) Huang 94 Wilson 94 Huang 92 White 94B Appel 91 6 (3.627) Appel 91 9 (4.329) Belzer 92 10 (4.53) Appel 91 13.3 - 18.5 (5.175 - 6.043) Yokosawa 91 19 (6.12) Danielsen 92 24 (6.843) Krusch 91 Nurushev 91 Yokosawa 91 27.5 (7.307) Hartouni 94 Uribe 94 Wiencke 92 32 (7.864) Bogolyubsky 95 Zabrodin 95 Bogolyubsky 94 Minaenko 94 Bogolyubsky 93 Bravina	

p Be	Leitch 95 Matthews 95B Schwingenheu 95 Spencer 95 Wallace 95 Gu 94 Hsiung 94 Kowitz 94 Lach 94 Leitch 94 Nakaya 94 Ramberg 94 Roberts 94 Weaver 94 Gibbons 93 Gibbons 93B Harris 93 Harris 93B Jansen 93 Kaplan 93 Lach 93 Luk 93 White 93 Duryea 92 Fields 92 Hsiung 92 Kowitz 92 Lach 92 Leitch 92 Peng 92 Ramberg 92 Ramberg 92B Somalwar 92 Straub 92 Straub 92B Barker 91 Duryea 91 Ho 91 Kleinknecht 91 Papadimitrio 91 Winstein 91 Yokosawa 91 Boca 90 Streets 89	p C	Baturin 91B Ermakov 94 Pluta 93 Trzaska 91C Vlasov 95 Vorobiev 91 Baldin 92 Nakai 91 Angelov 94 Bazarov 94 Bekmirzaev 94 Bekmirzaev 93 Agakishiev 92 Backovic 92C Strugalski 92B Baatar 91 Batskovich 91 Didenko 91B Dedovich 94 Kuznetsov 93 Pluta 93 Chiba 94 Chiba 93 Baldin 95 Abraamyan 94B Abraamyan 94C Schmidt 92 Doroshkevich 94 Vlasov 92 Degtyarenko 91 Smirnitsky 91 Belzer 92 Shakhbazyan 95 Shakhbazyan 93B Angelov 92 Shakhbazyan 92B Shakhbazyan 92C Armutlijsky 91 Cumming 93B Abbott 92B Gavrishchuk 91B Gavrishchuk 92 Belyaev 93 Gavrishchuk 91C Gavrishchuk 91 Nurushev 91 Stocker 95 Schmidt 92 Golovkin 95 Vavilov 95 Vavilov 95B Balatz 94C Golovkin 94 Landsberg 94C Vavilov 94 Vavilov 94C Balatz 93 Gavrilov 92 Baglin 95 Aves 95 Albrecht 93G Albrecht 92T Kampert 92 Albrecht 91 Albrecht 91O Fredj 91 Conrad 95 Leitch 95 Arneodo 92 Fields 92 Leitch 92 Mcgaughey 92 Alde 91 Alde 91D	p C	Leitch 91 Spiegel 91 Alde 90B	p Al	1 - 12 (26.49 - 35.18) Nakai 91 26.83 - 28.82 Ishibashi 94 Andronenko 94 Chiavassa 92B Schmidt 92 Belzer 92 Boyarinov 94 Boyarinov 93 Boyarinov 92 Boyarinov 92B Boyarinov 92C Sibirtsev 91 Boyarinov 91 Shibata 93 Cumming 93B Barrette 95D Stocker 95 Rosati 94 Abbott 93 Abbott 92 Abbott 92B 37.24 - 62.45 Gavrishchuk 92 37.26 - 62.45 Belyaev 93 Gavrishchuk 91C 37.9 - 62.04 Gavrishchuk 91B Lach 92 60 - 200 (60.41 - 103.4) Stocker 95 Schmidt 92 Baglin 95 Akeson 92B Eklund 91 Albrecht 93G Albrecht 92T Kampert 92 Appel 94 Akeson 92B Fredj 91 Akeson 90F White 93 Boca 90 Streets 89
p Bor	1.696 (11.89) Chiavassa 94C	14.97 - 60.99 (21.49 - 38.61) Gavrishchuk 91B 14.97 - 64.99 (21.49 - 39.76) Gavrishchuk 92	p ¹²C	1.696 (27.02) Andronenko 94 4.9 (29.72) Schmidt 92 9 (32.98) Belzer 92 10 (33.7) Boyarinov 94 10.1 (33.7) Boyarinov 93 10.14 (33.83) Boyarinov 92 10.14 (33.83) Boyarinov 91 12.9 (35.82) Shibata 93 14.51 (36.92) Cumming 93B 14.6 (36.99) Barrette 95D			
p ¹⁰Bor	0.6194 (10.43) Rapaport 94 Wang 94B	15 - 65 (21.5 - 39.76) Belyaev 93 Gavrishchuk 91C 16.97 - 63.99 (22.5 - 39.47) Gavrishchuk 91 17.98 - 63.99 (22.9 - 39.47) Nurushev 91 60 - 200 (38.32 - 67.83) Stocker 95 Schmidt 92 70 (41.14) Golovkin 95 Vavilov 95 Vavilov 95B Balatz 94C Golovkin 94 Landsberg 94C Vavilov 94 Vavilov 94C Balatz 93 Gavrilov 92 Baglin 95 Aves 95 Albrecht 93G Albrecht 92T Kampert 92 Albrecht 91 Albrecht 91O Fredj 91 Conrad 95 Leitch 95 Arneodo 92 Fields 92 Leitch 92 Mcgaughey 92 Alde 91 Alde 91D	0.3553 - 0.9543 (12.18 - 12.48) Sakemi 95 0.4446 - 0.9543 (12.21 - 12.48) Sakemi 94 0.536 - 0.5681 (12.25 - 12.26) Dementiev 92 0.5451 (12.25) Pickar 93 0.5681 (12.26) Dementiev 92 0.6194 (12.29) Rapaport 94 Wang 94B 0.6444 (12.3) Yu 96 0.66 (12.31) Wissink 94 0.7927 - 0.9821 (12.38 - 12.4) Budyashov 93 Hicks 93 0.8004 (12.39) Wakasa 95 0.8081 - 0.9543 (12.39 - 12.48) Sakai 94 0.8354 - 1.082 (12.41 - 12.57) Mercer 93 0.941 (12.47) Matsuoka 95 1.082 (12.57) Taddeucci 94 1.084 (12.57) Chen 93 1.084 - 1.457 (12.57 - 12.83) McClelland 92 Prout 95 1.087 (12.57) Flanders 91 1.09 (12.57) Barlett 91 1.457 (12.83) Prout 94 4.2 - 10 (14.9 - 18.72) Angelov 91 10 (18.72) Shakhbazyan 95 Shakhbazyan 93 Shakhbazyan 92 Shakhbazyan 91	15 - 65 (37.26 - 62.45) Belyaev 93 Gavrishchuk 91C 37.9 - 62.04 Gavrishchuk 91B Lach 92 60 - 200 (60.41 - 103.4) Stocker 95 Schmidt 92 Baglin 95 Akeson 92B Eklund 91 Albrecht 93G Albrecht 92T Kampert 92 Appel 94 Akeson 92B Fredj 91 Akeson 90F White 93 Boca 90 Streets 89			
p ¹¹Bor	0.6194 (11.35) Rapaport 94 Wang 94B 0.8004 (11.45) Wakasa 95 0.8081 - 0.9543 (11.46 - 11.54) Sakai 94	70 (41.14) Golovkin 95 Vavilov 95 Vavilov 95B Balatz 94C Golovkin 94 Landsberg 94C Vavilov 94 Vavilov 94C Balatz 93 Gavrilov 92 Baglin 95 Aves 95 Albrecht 93G Albrecht 92T Kampert 92 Albrecht 91 Albrecht 91O Fredj 91 Conrad 95 Leitch 95 Arneodo 92 Fields 92 Leitch 92 Mcgaughey 92 Alde 91 Alde 91D	p ¹³C	p ²⁷Al			
p C	0.4539 - 0.5414 (12.22 - 12.26) Clauton 92B 0.5414 - 0.6356 (12.26 - 12.3) Clauton 92 0.5592 - 0.6515 (12.27 - 12.31) Homolka 92 0.8233 - 0.989 (12.41 - 12.51) Julien 94 0.8354 (12.42) Lyndon 92 1.294 (12.72) Budyashov 92B Budyashov 92D Budyashov 91B 1.46 (12.84) Barlow 92 1.463 - 2.359 (12.84 - 13.52) Lemaire 91 Lemaire 91B Trzaska 91C 1.463 - 3.825 (12.84 - 14.63) Ishibashi 94 1.49 (12.86) Chiba 91 1.581 - 1.696 (12.93 - 13.02) Chiavassa 92 1.696 (13.02) Chiavassa 92B Baturin 91	14.51 (21.25) Cumming 93B 14.6 (21.29) Abbott 92B 14.97 - 60.99 (21.49 - 38.61) Gavrishchuk 91B 14.97 - 64.99 (21.49 - 39.76) Gavrishchuk 92 15 - 65 (21.5 - 39.76) Belyaev 93 Gavrishchuk 91C 16.97 - 63.99 (22.5 - 39.47) Gavrishchuk 91 17.98 - 63.99 (22.9 - 39.47) Nurushev 91 60 - 200 (38.32 - 67.83) Stocker 95 Schmidt 92 70 (41.14) Golovkin 95 Vavilov 95 Vavilov 95B Balatz 94C Golovkin 94 Landsberg 94C Vavilov 94 Vavilov 94C Balatz 93 Gavrilov 92 Baglin 95 Aves 95 Albrecht 93G Albrecht 92T Kampert 92 Albrecht 91 Albrecht 91O Fredj 91 Conrad 95 Leitch 95 Arneodo 92 Fields 92 Leitch 92 Mcgaughey 92 Alde 91 Alde 91D	p ¹⁴C	0.2136 (26.11) Hallin 92 0.7389 - 1.463 (26.33 - 26.85) Stamer 93	p Si		
			p ¹⁶O	p ²⁸Si			
			0.5211 (15.96) Watson 94 0.5533 (15.98) Cowley 91 1.082 (16.2) Mercer 94 1.087 (16.2) Flanders 91	800 (206.3) Alexopoulos 95B Alexopoulos 95D Alexopoulos 94B Kodama 93D			
			p ¹⁸O	p ²⁹Si			
			1.082 (18.17) Mercer 94 1.463 (18.45) Deswiniarski 93	0.6418 (27.21) Liu 96 1.087 (27.4) Donoghue 91 1.696 (27.97) Vorobiev 94			
			p Ne	p ³⁰Si			
			300 (107.8) Muminov 93 Yuldashev 90C	1.696 Vorobiev 94			
			p ²⁰Ne	p ³¹Ph			
			300 (107.4) Edgorov 92 Yuldashev 90B Yuldashev 90C Yuldashev 90D	1.696 Vorobiev 94			
			p ²³Na	p S			
			1.696 (23.3) Vorobiev 94	200 (113.3) Alber 94 Bachler 93 Bachler 91 Baechler 91 Eklund 91 Odyniec 91 Schukraft 91 Boggild 95C Boggild 94			
			p Mg				
			100 (71) Whitmore 94 200 (97.82) Brick 92 Geist 91				
			p Al				
			0.5681 (26.22) Dementiev 92				

p ³⁴S 1.696 (33.5) Vorobiev 94 Vorobiev 92	p Fe 800 (293.2) Avakyan 91C Conrad 95 White 93 Arneodo 92 Leitch 92 Alde 91 Alde 91D Leitch 91 Spiegel 91 Alde 90B Boca 90 Streets 89	p Cu 65 - 135 (105.8 - 139.6) Lach 92 200 (164.9) Baglin 95 Akesson 92B Baglin 92B Baglin 91E Eklund 91 200.9 (165.2) Awes 95 Albrecht 93G Albrecht 92T Kampert 92 Baglin 91B Baglin 91C 250 (181.9) Appel 94 400 (225.5) Babu 94 Lach 94 Lach 93 Berge 92 Lach 92 Coopersarkar 91 450 (238.3) Fredj 91 Akesson 90F 500 (250.4) Alverson 93 Alverson 91 800 (313.4) Albuquerque 96 Kowitt 94 Lach 94 Smith 94C Timm 94 Dubbs 93 Jansen 93 Morelos 93 Morelos 93B Morelos 93C Fields 92 Kowitt 92 Moreno 91	p Ag 100 (173.8) Schmidt 92 200 (224.3) Whitmore 94 Brick 92 Geist 91 200.9 (224.7) Awes 95 Albrecht 93G Albrecht 92T Kampert 92 Akesson 94
p ³⁵Cl 0.1317 (33.55) Converse 93	p Co 12.9 (66.5) Shibata 93	p ⁵⁹Co 1.921 (57.06) Shvedov 93	p In 1.463 - 3.825 (108.7 - 110.8) Ishibashi 94
p Ar 200 (127.6) Derado 90B	p ⁵⁸Ni 0.1948 - 0.3104 (54.98 - 55.01) Eliyakutrosh 95 4.491 (58.44) Kozma 91	p ⁶³Cu 4.491 (63.11) Kozma 91	p Sn 3.65 - 8.1 (114.3 - 118.4) Kozma 91B 9 (119.3) Belzer 92
p ³⁹KK 1.696 Vorobiev 94	p Ni 1.696 (56.6) Andronenko 94 12.9 (66.38) Shibata 93	p ⁶⁵Cu 4.491 (64.98) Kozma 91	p Te 0.1684 - 0.2941 (119.8 - 119.8) Dacruz 93 2.626 - 5.864 (121.6 - 124.7) Dacruz 93
p Ca 0.5681 (38.43) Dementiev 92 1.082 (38.75) Taddeucci 94 1.084 (38.75) Chen 93 800 (247.2) McClelland 92 Conrad 95 Arneodo 92 Leitch 92 Alde 91 Alde 91D Leitch 91 Spiegel 91 Alde 90B	p ⁶⁰Ni 0.1948 - 0.3104 (56.85 - 56.88) Eliyakutrosh 95 4.491 (60.31) Kozma 91	p ⁶⁵Zn 0.4539 - 0.5414 (61.94 - 61.98) Clauton 92B 12.9 (72.7) Shibata 93	p Xe 200 (252.8) Derado 90B
p ⁴⁰Ca 0.5211 (38.33) Watson 94 1.087 (38.68) Flanders 91	p ⁶²Ni 4.491 (62.18) Kozma 91	p ⁷⁰Zr 0.1063 (84.78) Kimure 94 1.696 (85.76) Vorobiev 95	p Ta 0.8081 - 0.9543 (169.8 - 169.9) Sakai 94 1.696 (170.5) Domkin 92 4.2 (172.8) Agakishiev 92 Backovic 92C 4.2 - 10 (172.8 - 178.3) Dedovich 94 Pluta 93 6.1 (174.6) Andreev 92 10 (178.3) Angelov 92 Angelov 91 10 (178.4) Armutlijsky 91 Boyarinov 94 Boyarinov 93 Boyarinov 92 Boyarinov 92B Boyarinov 92C Sibirtsev 91 10.1 (178.4) Boyarinov 91 10.14 (178.4) Afanasyev 94 70 (228.1) Afanasyev 93 Afanasyev 90C
p ⁴²Ca 0.1996 - 0.3039 (40.08 - 40.11) Carlson 94	p ⁶³Cu 4.491 (63.11) Kozma 91	p ⁹⁰Zr 0.1063 (84.78) Kimure 94 1.696 (85.76) Vorobiev 95	p Wt 1.463 (172) Bowman 93 Vanoers 93 Frankel 92 Zhu 92 14.97 - 64.99 (185.7 - 227.1) Gavrishchuk 92 15 - 65 (185.7 - 227.1) Belyaev 93 Gavrishchuk 91C 15.97 - 62.99 (186.6 - 225.6) Gavrishchuk 91B 24 (193.8) Lach 92 200 (312.8) Abatzis 95D Baglin 95 Baglin 95B Lourenco 95 Masera 95 Abatzis 94 Lourenco 94 Mazzoni 94 Abatzis 92 Akesson 92B Evans 92 Ferreira 92 Goerlach 92 Mazzoni 92 Abatzis 91B Abatzis 91C Odyniec 91 Schukraft 91
p ⁴⁴Ca 0.1996 - 0.3039 (41.94 - 41.97) Carlson 94 0.7927 (42.21) Baker 91B	p Cu 0.8081 - 0.9543 (60.43 - 60.53) Sakai 94 0.8233 - 0.989 (60.44 - 60.55) Julien 94 0.8769 - 0.8944 (60.47 - 60.49) Yen 91 1.581 - 1.696 (61.01 - 61.11) Chiavassa 92 1.696 (61.11) Chiavassa 92B 4.338 - 5.864 (63.49 - 64.87) Chiba 94 Chiba 93 4.5 (63.63) Abraamyan 94B Abraamyan 94C Schmidt 92 4.9 (63.9) Belzer 92 9 (67.65) Gavrilov 92 9.956 (68.48) Boyarinov 94 10 (68.5) Boyarinov 93 Boyarinov 92 Boyarinov 92B Boyarinov 92C Sibirtsev 91 10.1 (68.6) Boyarinov 91 10.14 (68.64) Shibata 93 12.9 (70.97) Abbott 93 14.6 (72.37) Abbott 92 Abbott 92B Heinson 94 Arisaka 93 Arisaka 93B Schwartz 92 Heinson 91 Winstein 91 Morse 90 25 (80.42) Vagins 93 60 - 200 (103 - 164.9) Stocker 95 Schmidt 92 60 - 300 (103 - 197.5) Lach 92	p Nb 1.463 - 2.359 (88.27 - 89.05) Lemaire 91 Lemaire 91B Trzaska 91C 2.359 (89.05) Pluta 93	
p ⁴⁶Ca 0.1996 - 0.3039 (45.67 - 45.6) Carlson 94 0.5211 (45.78) Zhang 92 0.6469 (45.85) Feldman 94 0.8351 (45.96) Feldman 94 0.8354 (45.96) Baker 91B	p ⁶⁴Ni 1.696 (61.11) Chiavassa 92B 4.338 - 5.864 (63.49 - 64.87) Chiba 94 Chiba 93 4.5 (63.63) Abraamyan 94B Abraamyan 94C Schmidt 92 4.9 (63.9) Belzer 92 9 (67.65) Gavrilov 92 9.956 (68.48) Boyarinov 94 10 (68.5) Boyarinov 93 Boyarinov 92 Boyarinov 92B Boyarinov 92C Sibirtsev 91 10.1 (68.6) Boyarinov 91 10.14 (68.64) Shibata 93 12.9 (70.97) Abbott 93 14.6 (72.37) Abbott 92 Abbott 92B Heinson 94 Arisaka 93 Arisaka 93B Schwartz 92 Heinson 91 Winstein 91 Morse 90 25 (80.42) Vagins 93 60 - 200 (103 - 164.9) Stocker 95 Schmidt 92 60 - 300 (103 - 197.5) Lach 92	p Mo 14.97 - 64.99 (103.3 - 140) Gavrishchuk 92 15 - 65 (103.3 - 140) Belyaev 93 Gavrishchuk 91C 15.97 - 64.99 (104.1 - 140) Gavrishchuk 91B 16.97 - 63.99 (105 - 139.4) Gavrishchuk 91 17.98 - 63.99 (105.9 - 139.4) Nurushev 91	
p ⁴⁸Ca 0.1996 - 0.3039 (45.67 - 45.6) Carlson 94 0.5211 (45.78) Zhang 92 0.6469 (45.85) Feldman 94 0.8351 (45.96) Feldman 94 0.8354 (45.96) Baker 91B	p ⁶⁴Ni 1.696 (61.11) Chiavassa 92B 4.338 - 5.864 (63.49 - 64.87) Chiba 94 Chiba 93 4.5 (63.63) Abraamyan 94B Abraamyan 94C Schmidt 92 4.9 (63.9) Belzer 92 9 (67.65) Gavrilov 92 9.956 (68.48) Boyarinov 94 10 (68.5) Boyarinov 93 Boyarinov 92 Boyarinov 92B Boyarinov 92C Sibirtsev 91 10.1 (68.6) Boyarinov 91 10.14 (68.64) Shibata 93 12.9 (70.97) Abbott 93 14.6 (72.37) Abbott 92 Abbott 92B Heinson 94 Arisaka 93 Arisaka 93B Schwartz 92 Heinson 91 Winstein 91 Morse 90 25 (80.42) Vagins 93 60 - 200 (103 - 164.9) Stocker 95 Schmidt 92 60 - 300 (103 - 197.5) Lach 92	p Ag 1.057 - 2.784 (101.9 - 103.4) Pienkowski 94 1.696 (102.4) Andronenko 94 4.9 (105.4) Schmidt 92 12 (111.9) Ochiishi 95 12.9 (112.7) Shibata 93 60 - 200 (148.8 - 224.3) Stocker 95	
p ⁴⁸Ca 0.1996 - 0.3039 (45.67 - 45.6) Carlson 94 0.5211 (45.78) Zhang 92 0.6469 (45.85) Feldman 94 0.8351 (45.96) Feldman 94 0.8354 (45.96) Baker 91B	p ⁶⁴Ni 1.696 (61.11) Chiavassa 92B 4.338 - 5.864 (63.49 - 64.87) Chiba 94 Chiba 93 4.5 (63.63) Abraamyan 94B Abraamyan 94C Schmidt 92 4.9 (63.9) Belzer 92 9 (67.65) Gavrilov 92 9.956 (68.48) Boyarinov 94 10 (68.5) Boyarinov 93 Boyarinov 92 Boyarinov 92B Boyarinov 92C Sibirtsev 91 10.1 (68.6) Boyarinov 91 10.14 (68.64) Shibata 93 12.9 (70.97) Abbott 93 14.6 (72.37) Abbott 92 Abbott 92B Heinson 94 Arisaka 93 Arisaka 93B Schwartz 92 Heinson 91 Winstein 91 Morse 90 25 (80.42) Vagins 93 60 - 200 (103 - 164.9) Stocker 95 Schmidt 92 60 - 300 (103 - 197.5) Lach 92		
p ⁴⁸Ca 0.1996 - 0.3039 (45.67 - 45.6) Carlson 94 0.5211 (45.78) Zhang 92 0.6469 (45.85) Feldman 94 0.8351 (45.96) Feldman 94 0.8354 (45.96) Baker 91B	p ⁶⁴Ni 1.696 (61.11) Chiavassa 92B 4.338 - 5.864 (63.49 - 64.87) Chiba 94 Chiba 93 4.5 (63.63) Abraamyan 94B Abraamyan 94C Schmidt 92 4.9 (63.9) Belzer 92 9 (67.65) Gavrilov 92 9.956 (68.48) Boyarinov 94 10 (68.5) Boyarinov 93 Boyarinov 92 Boyarinov 92B Boyarinov 92C Sibirtsev 91 10.1 (68.6) Boyarinov 91 10.14 (68.64) Shibata 93 12.9 (70.97) Abbott 93 14.6 (72.37) Abbott 92 Abbott 92B Heinson 94 Arisaka 93 Arisaka 93B Schwartz 92 Heinson 91 Winstein 91 Morse 90 25 (80.42) Vagins 93 60 - 200 (103 - 164.9) Stocker 95 Schmidt 92 60 - 300 (103 - 197.5) Lach 92		
p ⁴⁸Ca 0.1996 - 0.3039 (45.67 - 45.6) Carlson 94 0.5211 (45.78) Zhang 92 0.6469 (45.85) Feldman 94 0.8351 (45.96) Feldman 94 0.8354 (45.96) Baker 91B	p ⁶⁴Ni 1.696 (61.11) Chiavassa 92B 4.338 - 5.864 (63.49 - 64.87) Chiba 94 Chiba 93 4.5 (63.63) Abraamyan 94B Abraamyan 94C Schmidt 92 4.9 (63.9) Belzer 92 9 (67.65) Gavrilov 92 9.956 (68.48) Boyarinov 94 10 (68.5) Boyarinov 93 Boyarinov 92 Boyarinov 92B Boyarinov 92C Sibirtsev 91 10.1 (68.6) Boyarinov 91 10.14 (68.64) Shibata 93 12.9 (70.97) Abbott 93 14.6 (72.37) Abbott 92 Abbott 92B Heinson 94 Arisaka 93 Arisaka 93B Schwartz 92 Heinson 91 Winstein 91 Morse 90 25 (80.42) Vagins 93 60 - 200 (103 - 164.9) Stocker 95 Schmidt 92 60 - 300 (103 - 197.5) Lach 92		
p ⁴⁸Ca 0.1996 - 0.3039 (45.67 - 45.6) Carlson 94 0.5211 (45.78) Zhang 92 0.6469 (45.85) Feldman 94 0.8351 (45.96) Feldman 94 0.8354 (45.96) Baker 91B	p ⁶⁴Ni 1.696 (61.11) Chiavassa 92B 4.338 - 5.864 (63.49 - 64.87) Chiba 94 Chiba 93 4.5 (63.63) Abraamyan 94B Abraamyan 94C Schmidt 92 4.9 (63.9) Belzer 92 9 (67.65) Gavrilov 92 9.956 (68.48) Boyarinov 94 10 (68.5) Boyarinov 93 Boyarinov 92 Boyarinov 92B Boyarinov 92C Sibirtsev 91 10.1 (68.6) Boyarinov 91 10.14 (68.64) Shibata 93 12.9 (70.97) Abbott 93 14.6 (72.37) Abbott 92 Abbott 92B Heinson 94 Arisaka 93 Arisaka 93B Schwartz 92 Heinson 91 Winstein 91 Morse 90 25 (80.42) Vagins 93 60 - 200 (103 - 164.9) Stocker 95 Schmidt 92 60 - 300 (103 - 197.5) Lach 92		
p ⁴⁸Ca 0.1996 - 0.3039 (45.67 - 45.6) Carlson 94 0.5211 (45.78) Zhang 92 0.6469 (45.85) Feldman 94 0.8351 (45.96) Feldman 94 0.8354 (45.96) Baker 91B	p ⁶⁴Ni 1.696 (61.11) Chiavassa 92B 4.338 - 5.864 (63.49 - 64.87) Chiba 94 Chiba 93 4.5 (63.63) Abraamyan 94B Abraamyan 94C Schmidt 92 4.9 (63.9) Belzer 92 9 (67.65) Gavrilov 92 9.956 (68.48) Boyarinov 94 10 (68.5) Boyarinov 93 Boyarinov 92 Boyarinov 92B Boyarinov 92C Sibirtsev 91 10.1 (68.6) Boyarinov 91 10.14 (68.64) Shibata 93 12.9 (70.97) Abbott 93 14.6 (72.37) Abbott 92 Abbott 92B Heinson 94 Arisaka 93 Arisaka 93B Schwartz 92 Heinson 91 Winstein 91 Morse 90 25 (80.42) Vagins 93 60 - 200 (103 - 164.9) Stocker 95 Schmidt 92 60 - 300 (103 - 197.5) Lach 92		
p ⁴⁸Ca 0.1996 - 0.3039 (45.67 - 45.6) Carlson 94 0.5211 (45.78) Zhang 92 0.6469 (45.85) Feldman 94 0.8351 (45.96) Feldman 94 0.8354 (45.96) Baker 91B	p ⁶⁴Ni 1.696 (61.11) Chiavassa 92B 4.338 - 5.864 (63.49 - 64.87) Chiba 94 Chiba 93 4.5 (63.63) Abraamyan 94B Abraamyan 94C Schmidt 92 4.9 (63.9) Belzer 92 9 (67.65) Gavrilov 92 9.956 (68.48) Boyarinov 94 10 (68.5) Boyarinov 93 Boyarinov 92 Boyarinov 92B Boyarinov 92C Sibirtsev 91 10.1 (68.6) Boyarinov 91 10.14 (68.64) Shibata 93 12.9 (70.97) Abbott 93 14.6 (72.37) Abbott 92 Abbott 92B Heinson 94 Arisaka 93 Arisaka 93B Schwartz 92 Heinson 91 Winstein 91 Morse 90 25 (80.42) Vagins 93 60 - 200 (103 - 164.9) Stocker 95 Schmidt 92 60 - 300 (103 - 197.5) Lach 92		
p ⁴⁸Ca 0.1996 - 0.3039 (45.67 - 45.6) Carlson 94 0.5211 (45.78) Zhang 92 0.6469 (45.85) Feldman 94 0.8351 (45.96) Feldman 94 0.8354 (45.96) Baker 91B	p ⁶⁴Ni 1.696 (61.11) Chiavassa 92B 4.338 - 5.864 (63.49 - 64.87) Chiba 94 Chiba 93 4.5 (63.63) Abraamyan 94B Abraamyan 94C Schmidt 92 4.9 (63.9) Belzer 92 9 (67.65) Gavrilov 92 9.956 (68.48) Boyarinov 94 10 (68.5) Boyarinov 93 Boyarinov 92 Boyarinov 92B Boyarinov 92C Sibirtsev 91 10.1 (68.6) Boyarinov 91 10.14 (68.64) Shibata 93 12.9 (70.97) Abbott 93 14.6 (72.37) Abbott 92 Abbott 92B Heinson 94 Arisaka 93 Arisaka 93B Schwartz 92 Heinson 91 Winstein 91 Morse 90 25 (80.42) Vagins 93 60 - 200 (103 - 164.9) Stocker 95 Schmidt 92 60 - 300 (103 - 197.5) Lach 92		
p ⁴⁸Ca 0.1996 - 0.3039 (45.67 - 45.6) Carlson 94 0.5211 (45.78) Zhang 92 0.6469 (45.85) Feldman 94 0.8351 (45.96) Feldman 94 0.8354 (45.96) Baker 91B	p ⁶⁴Ni 1.696 (61.11) Chiavassa 92B 4.338 - 5.864 (63.49 - 64.87) Chiba 94 Chiba 93 4.5 (63.63) Abraamyan 94B Abraamyan 94C Schmidt 92 4.9 (63.9) Belzer 92 9 (67.65) Gavrilov 92 9.956 (68.48) Boyarinov 94 10 (68.5) Boyarinov 93 Boyarinov 92 Boyarinov 92B Boyarinov 92C Sibirtsev 91 10.1 (68.6) Boyarinov 91 10.14 (68.64) Shibata 93 12.9 (70.97) Abbott 93 14.6 (72.37) Abbott 92 Abbott 92B Heinson 94 Arisaka 93 Arisaka 93B Schwartz 92 Heinson 91 Winstein 91 Morse 90 25 (80.42) Vagins 93 60 - 200 (103 - 164.9) Stocker 95 Schmidt 92 60 - 300 (103 - 197.5) Lach 92		
p ⁴⁸Ca 0.1996 - 0.3039 (45.67 - 45.6) Carlson 94 0.5211 (45.78) Zhang 92 0.6469 (45.85) Feldman 94 0.8351 (45.96) Feldman 94 0.8354 (45.96) Baker 91B	p ⁶⁴Ni 1.696 (61.11) Chiavassa 92B 4.338 - 5.864 (63.49 - 64.87) Chiba 94 Chiba 93 4.5 (63.63) Abraamyan 94B Abraamyan 94C Schmidt 92 4.9 (63.9) Belzer 92 9 (67.65) Gavrilov 92 9.956 (68.48) Boyarinov 94 10 (68.5) Boyarinov 93 Boyarinov 92 Boyarinov 92B Boyarinov 92C Sibirtsev 91 10.1 (68.6) Boyarinov 91 10.14 (68.64) Shibata 93 12.9 (70.97) Abbott 93 14.6 (72.37) Abbott 92 Abbott 92B Heinson 94 Arisaka 93 Arisaka 93B Schwartz 92 Heinson 91 Winstein 91 Morse 90 25 (80.42) Vagins 93 60 - 200 (103 - 164.9) Stocker 95 Schmidt 92 60 - 300 (103 - 197.5) Lach 92		
p ⁴⁸Ca 0.1996 - 0.3039 (45.67 - 45.6) Carlson 94 0.5211 (45.78) Zhang 92 0.6469 (45.85) Feldman 94 0.8351 (45.96) Feldman 94 0.8354 (45.96) Baker 91B	p ⁶⁴Ni 1.696 (61.11) Chiavassa 92B 4.338 - 5.864 (63.49 - 64.87) Chiba 94 Chiba 93 4.5 (63.63) Abraamyan 94B Abraamyan 94C Schmidt 92 4.9 (63.9) Belzer 92 9 (67.65) Gavrilov 92 9.956 (68.48) Boyarinov 94 10 (68.5) Boyarinov 93 Boyarinov 92 Boyarinov 92B Boyarinov 92C Sibirtsev 91 10.1 (68.6) Boyarinov 91 10.14 (68.64) Shibata 93 12.9 (70.97) Abbott 93 14.6 (72.37) Abbott 92 Abbott 92B Heinson 94 Arisaka 93 Arisaka 93B Schwartz 92 Heinson 91 Winstein 91 Morse 90 25 (80.42) Vagins 93 60 - 200 (103 - 164.9) Stocker 95 Schmidt 92 60 - 300 (103 - 197.5) Lach 92		
p ⁴⁸Ca 0.1996 - 0.3039 (45.67 - 45.6) Carlson 94 0.5211 (45.78) Zhang 92 0.6469 (45.85) Feldman 94 0.8351 (45.96) Feldman 94 0.8354 (45.96) Baker 91B	p ⁶⁴Ni 1.696 (61.11) Chiavassa 92B 4.338 - 5.864 (63.49 - 64.87) Chiba 94 Chiba 93 4.5 (63.63) Abraamyan 94B Abraamyan 94C Schmidt 92 4.9 (63.9) Belzer 92 9 (67.65) Gavrilov 92 9.956 (68.48) Boyarinov 94 10 (68.5) Boyarinov 93 Boyarinov 92 Boyarinov 92B Boyarinov 92C Sibirtsev 91 10.1 (68.6) Boyarinov 91 10.14 (68.64) Shibata 93 12.9 (70.97) Abbott 93 14.6 (72.37) Abbott 92 Abbott 92B Heinson 94 Arisaka 93 Arisaka 93B Schwartz 92 Heinson 91 Winstein 91 Morse 90 25 (80.42) Vagins 93 60 - 200 (103 - 164.9) Stocker 95 Schmidt 92 60 - 300 (103 - 197.5) Lach 92		
p ⁴⁸Ca 0.1996 - 0.3039 (45.67 - 45.6) Carlson 94 0.5211 (45.78) Zhang 92 0.6469 (45.85) Feldman 94 0.8351 (45.96) Feldman 94 0.8354 (45.96) Baker 91B	p ⁶⁴Ni 1.696 (61.11) Chiavassa 92B 4.338 - 5.864 (63.49 - 64.87) Chiba 94 Chiba 93 4.5 (63.63) Abraamyan 94B Abraamyan 94C Schmidt 92 4.9 (63.9) Belzer 92 9 (67.65) Gavrilov 92 9.956 (68.48) Boyarinov 94 10 (68.5) Boyarinov 93 Boyarinov 92 Boyarinov 92B Boyarinov 92C Sibirtsev 91 10.1 (68.6) Boyarinov 91 10.14 (68.64) Shibata 93 12.9 (70.97) Abbott 93 14.6 (72.37) Abbott 92 Abbott 92B Heinson 94 Arisaka 93 Arisaka 93B Schwartz 92 Heinson 91 Winstein 91 Morse 90 25 (80.42) Vagins 93 60 - 200 (103 - 164.9) Stocker 95 Schmidt 92 60 - 300 (103 - 197.5) Lach 92		
p ⁴⁸Ca 0.1996 - 0.3039 (45.67 - 45.6) Carlson 94 0.5211 (45.78) Zhang 92 0.6469 (45.85) Feldman 94 0.8351 (45.96) Feldman 94 0.8354 (45.96) Baker 91B	p ⁶⁴Ni 1.696 (61.11) Chiavassa 92B 4.338 - 5.864 (63.49 - 64.87) Chiba 94 Chiba 93 4.5 (63.63) Abraamyan 94B Abraamyan 94C Schmidt 92 4.9 (63.9) Belzer 92 9 (67.65) Gavrilov 92 9.956 (68.48) Boyarinov 94 10 (68.5) Boyarinov 93 Boyarin		

p Wt	p Au	p ²³⁸ U	n p	
200.9 (313.3)	Vanhecke 91 Tserruya 95 Lourenco 93 Akeson 92 Akeson 91 Odyniec 91B Schukraft 91	Peng 92 Zhdanov 91C Zhdanov 91D Obukhov 93	1.06 - 1.628 (2.103 - 2.3) Ball 93 1.071 - 1.264 (2.106 - 2.172) Mcnaughton 92B 1.071 - 1.44 (2.106 - 2.237) Mcnaughton 93 1.091 - 1.464 (2.113 - 2.242) Beddo 93 Ditzler 92 Shima 92 Beddo 91	
250 (339.1)	Appel 94	0.105 (222.7) Chen 92	1.26 - 1.43 (2.171 - 2.23) Troyan 93	
450 (428.3)	Akeson 92B	1.057 - 2.784 (223.1 - 224.7) Pienkowski 94	< 1.3 (< 2.185) Arndt 94 1.43 - 3.83 (2.23 - 3.027) Troyan 90 1.464 (2.242) Mcnaughton 91 1.464 - 1.81 (2.242 - 2.364) Ball 94D Ball 93C	
800 (550.8)	Brown 96 Conrad 95 Leitch 95 Jansen 93 White 93 Arneodo 92 Leitch 92 Mcgaughey 92 Straub 92 Straub 92B Alde 91 Alde 91D Leitch 91 Spiegel 91 Alde 90B Boca 90 Kaplan 89 Streets 89	200 (371.3) 200.9 (371.9) Tserruya 95 Ronceux 93 Ronceux 93B Abreu 92M Baglin 91B Baglin 91C Jacob 91 Odyniec 91 Odyniec 91B Schukraft 91	1.535 - 1.628 (2.267 - 2.3) Ball 94 < 1.6 (< 2.29) Arndt 92 1.72 - 3.86 (2.333 - 3.036) Troyan 93 1.73 (2.336) Glagolev 91 5.14 - 5.24 (3.401 - 3.428) Troyan 93 5.2 (3.417) Lyuboshitz 95 Troyan 94 20 - 70 (6.272 - 11.54) Tatishvili 92 30 - 70 (7.621 - 11.54) Aleev 93E 37.5 - 70 (8.494 - 11.54) Aleev 93D 200 (19.42) Gazdzicki 91	
p Pt	Aoki 94 Saito 94 Diebold 93 Mishra 94	n e ⁻ < 0.004335 (< 0.9401) Leeb 92 10 ⁻¹⁰ - 3.6 · 10 ⁻⁷ ? Kopecky 95 Buerner 92	1.535 - 1.628 (2.267 - 2.3) Ball 94 < 1.6 (< 2.29) Arndt 92 1.72 - 3.86 (2.333 - 3.036) Troyan 93 1.73 (2.336) Glagolev 91 5.14 - 5.24 (3.401 - 3.428) Troyan 93 5.2 (3.417) Lyuboshitz 95 Troyan 94 20 - 70 (6.272 - 11.54) Tatishvili 92 30 - 70 (7.621 - 11.54) Aleev 93E 37.5 - 70 (8.494 - 11.54) Aleev 93D 200 (19.42) Gazdzicki 91	
p Au	1.057 - 2.784 (184.9 - 186.4) Pienkowski 94 4.9 (188.4) Schmidt 92 5.762 - 200.9 (189.2 - 327.7) Kampert 92 12 (195.1) Ochiishi 95 Tanaka 94 12.9 (195) Shibata 93 14.5 (197.5) Schukraft 91 14.6 (197.6) Abbott 93 Abbott 92 Abbott 92B Abbott 91B Abbott 91C Bloomer 90 15.51 (198.4) Kaufman 92 60 - 200 (235 - 327.2) Stocker 95 Schmidt 92 60.93 - 200.9 (236.7 - 327.7) Odyniec 91B 100 (265.3) Whitmore 94 200 (327.2) Agakichiev 95 Tserruya 95 Bachler 94C Fialkowski 94 Wosiek 94 Bachler 93 Brick 92 Bachler 91 Eklund 91 Geist 91	3.35 (196.5) Daniel 92 7.5 (200.4) Doroshkevich 94 Bayukov 93 Vlasov 92 Smirnitsky 91 Belzer 92 9 (201.9) Barrette 95D 14.6 (207.1) Stocker 95 Rosati 94 60 - 300 (245.8 - 391.2) Lach 92 65 - 135 (249.7 - 298.9) Lach 92 70 (253.5) Bobodjanov 91 185 (329.6) Yokosawa 92 Yokosawa 91 200 (338.3) Andersen 94B Andersen 92C Baglin 91 400 (437.8) Fields 92 Corcoran 91 450 (459.3) Boggild 95 Boggild 95B Boggild 95C Boggild 95D Baker 94C Boggild 94 Boggild 94B Baker 93 450.9 (459.7) Polychronako 92 800 (588.3) Fields 92	n p 0 (1.878) Bazhenov 92 0.0828 - 0.1481 (1.87 - 1.884) Wilburn 95 Wilburn 93 0.1686 - 0.5712 (1.885 - 1.956) Henneck 93 0.17 (1.885) Malek 91 0.22 - 0.425 (1.89 - 1.923) Klomp 91 0.287 (1.899) Bruckner 91B Bruckner 91C 0.3509 (1.909) Allie 93 0.3625 (1.911) Hammans 91 Klomp 91 0.3639 (1.912) Tuccillo 94 Brogligysin 92 0.3666 (1.912) Goetz 94 0.572 - 1.134 (1.956 - 2.128) Terrien 92 0.575 (1.957) Ericson 95 0.5996 - 0.7458 (1.963 - 2.004) Davis 95 0.6143 (1.967) Xu 95B Pate 93 Knutson 91 0.7409 - 0.7947 (2.002 - 2.018) Hutcheon 91 0.8268 - 1.81 (2.028 - 2.364) Ball 94C Ball 93B Fontaine 91 0.8789 (2.044) Abegg 95 Abegg 95B < 0.8828 (< 2.045) Stoks 92 < 0.8833 (< 2.045) Stoks 93 0.8833 (2.045) Abegg 94B Zhao 94 Abegg 92 Abegg 92B 0.8978 - 1.037 (2.04 - 2.095) Edwards 92 1.014 (2.088) Bachman 95 1.024 - 1.182 (2.091 - 2.144) Bannwarth 92 1.036 (2.095) Northcliffe 93	n n 1.424 - 405 (2.22 - 27.62) Gazdzicki 95 200 (19.43) Gazdzicki 91 Gazdzicki 91 Berger 91 ? n nucleus < 0.004335 Leeb 92 20 - 70 Tatishvili 92 30 - 70 Aleev 93E 40 Aleev 93 Aleev 93B 40 - 70 Aleev 93C n deuteron 0.07514 (2.817) Mcaninch 94 0.09706 - 0.1267 (2.818 - 2.821) Tornow 91 0.3611 (2.859) Balewski 95 Kistryn 92 Ruhl 91 n ⁹ Be 0 - 1.21 (9.323 - 9.847) Finlay 93 n C 0 - 1.21 (12.13 - 12.67) Finlay 93 0.17 (12.14) Malek 91 0.2858 - 0.376 (12.17 - 12.19) Slypen 96 Slypen 95 0.6449 - 1.188 (12.31 - 12.65) Brooks 92 4 - 10 (14.76 - 18.73) Vishnevsky 94 4.849 - 10.8 (15.38 - 19.26) Aleksiev 91B 30 - 70 (28.24 - 41.14) Aleev 93E 37.5 - 70 (31.07 - 41.14) Aleev 93D
200.9 (327.7)	Awes 95 Albrecht 93G Albrecht 92T Kampert 92 Albrecht 91 Albrecht 91 Albrecht 91O Ceretto 95 Sansoni 95 Schub 95 Jansen 94 Kowitt 94 Leitch 94 Jansen 93 Kaplan 93 Kowitt 92	1.282 (194.4) Mack 95 0.941 (195.1) Matsuoka 95 1.087 (195.2) Flanders 91 1.282 (195.3) Mack 95 1.696 (195.7) Vorobiev 95	0.8789 (2.044) Abegg 95 Abegg 95B < 0.8828 (< 2.045) Stoks 92 < 0.8833 (< 2.045) Stoks 93 0.8833 (2.045) Abegg 94B Zhao 94 Abegg 92 Abegg 92B 0.8978 - 1.037 (2.04 - 2.095) Edwards 92 1.014 (2.088) Bachman 95 1.024 - 1.182 (2.091 - 2.144) Bannwarth 92 1.036 (2.095) Northcliffe 93	
450 (445.9)	1.057 - 2.784 (196.1 - 197.6) Pienkowski 94	1.037 - 2.032 (223.1 - 223.9) Obukhov 93 1.696 (223.6) Zhdanov 91 Zhdanov 91B	0.8789 (2.044) Abegg 95 Abegg 95B < 0.8828 (< 2.045) Stoks 92 < 0.8833 (< 2.045) Stoks 93 0.8833 (2.045) Abegg 94B Zhao 94 Abegg 92 Abegg 92B 0.8978 - 1.037 (2.04 - 2.095) Edwards 92 1.014 (2.088) Bachman 95 1.024 - 1.182 (2.091 - 2.144) Bannwarth 92 1.036 (2.095) Northcliffe 93	
800 (572)	1.282 (194.4) Mack 95	1.037 - 2.032 (223.1 - 223.9) Obukhov 93 1.696 (223.6) Zhdanov 91 Zhdanov 91B	0.8789 (2.044) Abegg 95 Abegg 95B < 0.8828 (< 2.045) Stoks 92 < 0.8833 (< 2.045) Stoks 93 0.8833 (2.045) Abegg 94B Zhao 94 Abegg 92 Abegg 92B 0.8978 - 1.037 (2.04 - 2.095) Edwards 92 1.014 (2.088) Bachman 95 1.024 - 1.182 (2.091 - 2.144) Bannwarth 92 1.036 (2.095) Northcliffe 93	

n ^{12}C

\bar{p} p

n ^{12}C 40 (31.95) Landsberg 94C Landsberg 90	n ^{108}Pd $3.065 \cdot 10^{-5} - 5.129 \cdot 10^{-5}$ Masuda 92 Masuda 92B Shimizu 92	n ^{238}U 0 - 0.1628 (222.6 - 222.7) Bisplinghoff 94	\bar{p} p Amsler 94I Amsler 94J Anisovich 94 Brose 94 Faessler 94 Felix 94 Piccini 94 Sapozhnikov 94B Spanier 94 Wiedner 94 Zenoni 94 Amsler 93 Amsler 93B Amsler 93C Amsler 93D Weidenauer 93 Adamo 92B Amsler 92B Amsler 92C Amsler 92D Angelopoulos 92 Guyot 92 Hertzog 92 Peters 92 Ruf 92 Usher 92 Zenoni 92B Adler 91 Aker 91 Amsler 91 Amsler 91B Gastaldi 91 Ableev 94F Vanoers 93 Eversheim 91 Gastaldi 91 < 0.05 (< 1.877) Masoni 94 0.0651 - 0.0725 (1.878 - 1.878) Agnello 91 0.0664 - 0.0714 (1.878 - 1.878) Agnello 91 < 0.1 (< 1.879) Adamo 92 0.1 - 1.55 (1.879 - 2.272) Bradamante 91 0.15 - 0.3 (1.882 - 1.89) Bardin 91B 0.18 - 0.6 (1.885 - 1.962) Bradamante 94 Amsler 91 0.18 - 1.5 (1.885 - 2.254) Amsler 91 0.181 (1.885) 0.181 - 0.59 (1.885 - 1.95) Bruckner 91B Bruckner 91C 0.2 - 1.5 (1.887 - 2.254) Amsler 91 0.22 - 0.6 (1.889 - 1.962) Bradamante 91 0.287 (1.898) Bruckner 91B Bruckner 91C 0.3 - 0.9 (1.89 - 2.04) Bardin 94 Bardin 92 0.306 (1.901) 0.36 - 1.55 (1.9 - 2.272) Feliciello 94 Hasan 92 0.39 - 0.78 (1.915 - 2.013) Bradamante 94 0.4 - 0.67 (1.917 - 1.981) Fukuhisa 92 0.4 - 0.9 (1.917 - 2.04) Timmermans 91 0.439 - 0.544 (1.925 - 1.948) Perrotkunne 91 0.439 - 1.55 (1.925 - 2.272) Amsler 91 0.5 - 1.5 (1.938 - 2.254) Bradamante 94 0.54 - 0.9 (1.947 - 2.04) Bardin 91
n Nit 0 - 1.21 (13.99 - 14.54) Finlay 93	n ^{111}Cd 0 (105.3) Adachi 94 $3.065 \cdot 10^{-5} - 5.129 \cdot 10^{-5}$ Masuda 92 Masuda 92B Shimizu 92	n ^{242}Am 0.01734 - 0.09706 Shigin 91	
n O 0 - 1.21 (15.84 - 16.3) Finlay 93	n ^{113}Cd $9.693 \cdot 10^{-5} - 0.0001301$ Barabanov 93 $9.693 \cdot 10^{-5} - 0.0001622$ Alfimenkov 91	n ^{245}Cm 0.03358 - 0.09706 Gokhberg 91	
n ^{19}F 0 - 1.21 (18.64 - 19.1) Finlay 93	n Sn 0 - 1.21 (111.5 - 112.1) Finlay 93	\bar{n} p 0 (1.878) Sapozhnikov 94B Zenoni 94 Adamo 92B Hertzog 92 0.064 - 0.297 (1.879 - 1.901) Ableev 94D 0.1 - 0.29 (1.88 - 1.89) Adamo 92C 0.1 - 0.297 (1.88 - 1.901) Lucherini 94 0.18 - 0.281 (1.886 - 1.898) Ableev 94H < 0.2 (< 1.888) Feliciello 94 > 0.25 (> 1.894) Feliciello 94 > 0.27 (> 1.897) Feliciello 94	
n ^{23}Na 0 - 1.21 (22.36 - 22.93) Finlay 93	n ^{124}Sn 0 (116.4) Adachi 94 $3.065 \cdot 10^{-5} - 5.129 \cdot 10^{-5}$ Masuda 92 Masuda 92B Shimizu 92	\bar{n} C 0 (12.13) Baldoceolin 94 0.18 - 0.281 (12.14 - 12.17) Ableev 94H	
n Al 30 - 70 (46.27 - 64.43) Aleev 93E 37.5 - 70 (50.18 - 64.43) Aleev 93D	n ^{127}I 0 - 1.21 (26.09 - 26.66) Finlay 93	\bar{n} Al 0.18 - 0.281 (26.09 - 26.11) Ableev 94H	
n ^{27}Al 0 - 1.21 (26.09 - 26.66) Finlay 93	n Xe 0 - 2 (123.2 - 124.5) Strugalski 91C	\bar{n} Cu 0.18 - 0.281 (60.15 - 60.18) Ableev 94H	
n Si 0 - 1.21 (27.1 - 27.67) Finlay 93	n ^{133}Cs 0 - 1.21 (124.8 - 125.4) Finlay 93	\bar{n} Sn 0.18 - 0.281 (111.5 - 111.5) Ableev 94H	
n ^{40}Ca 0 - 1.21 (38.1 - 38.78) Finlay 93	n ^{139}La 0 (130.4) Adachi 94 $3.065 \cdot 10^{-5} - 5.129 \cdot 10^{-5}$ Masuda 92 Masuda 92B Shimizu 92	\bar{n} Ta 6.1 (174.6) Andreev 92	
n ^{51}V 0.6413 (48.64) Alford 93	n ^{159}Gd $9.693 \cdot 10^{-5} - 0.0001622$ Alfimenkov 91 0 - 0.1628 (130.4 - 130.5) Bisplinghoff 94	\bar{n} Pb 0.18 - 0.281 (193 - 193) Ableev 94H	
n Fe 500 - 5000 (233.9 - 723.1) Avakyan 91B Avakyan 91C	n ^{181}Ta 0 - 1.21 (169.5 - 170.1) Finlay 93	\bar{p} p 0 (1.877) Adler 96 Adler 96B Ableev 95C Adler 95 Adler 95C Adler 95D Adler 95E Adler 95F Amsler 95 Amsler 95B Amsler 95C Amsler 95E Amsler 95F Amsler 95H Anisovich 95 Bertin 95 Ableev 94 Ableev 94B Ableev 94C Ableev 94E Adler 94 Adler 94B Agnello 94 Amsler 94 Amsler 94B Amsler 94D Amsler 94F Amsler 94G Amsler 94H	
n ^{59}Co 0.6413 (56.09) Alford 93	n Pb 4 - 10 (197.1 - 202.8) Vishnevsky 94		
n Cu 0 - 1.21 (60.14 - 60.72) Finlay 93 4.849 - 10.8 (63.95 - 69.28) Alekshev 91B 30 - 70 (84.02 - 108.6) Aleev 93E	n ^{208}Pb 0.00031 - 0.0087 (194.7 - 194.7) Schmiedmayer 91 0 - 1.21 (194.7 - 195.3) Finlay 93 0.9799 (195.1) Iwasaki 91B		
n ^{81}Br 0 (76.39) Adachi 94 $3.065 \cdot 10^{-5} - 5.129 \cdot 10^{-5}$ Masuda 92 Masuda 92B Shimizu 92	n ^{208}Bi 0 - 1.21 Finlay 93		
n Rb $9.693 \cdot 10^{-5} - 0.0001622$ Alfimenkov 91	n ^{232}Th 0.0001062 - 0.000402 Bowman 93 0.0001062 - 0.001371 Vanoers 93 0.0001062 - 0.002742 Frankel 92		
n ^{90}Zr 0 - 1.21 (84.77 - 85.37) Finlay 93	n ^{238}U 0.0001062 - 0.001371 Vanoers 93 Zhu 92		
n ^{93}Nb 0 (87.87) Adachi 94 $3.065 \cdot 10^{-5} - 5.129 \cdot 10^{-5}$ Masuda 92 Masuda 92B Shimizu 92 0 - 1.21 (87.87 - 88.46) Finlay 93			
n ^{108}Pd 0 (99.57) Adachi 94			

Entries are in order of beam name, then target name, then beam momentum. Particle names are ordered as described in the legend on page 119 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 120. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are equivalent p_{lab} in GeV/c; then E_{cm} in GeV follows in parentheses. For certain initial states only E_{cm} (in parentheses) is given.

$\bar{p} p$	$\bar{p} p$	$\bar{p} p$	$\bar{p} p$
0.546 - 0.875 (1.949 - 2.042)	3.888 - 6.937 (3.044 - 3.85)	(300 - 1800)	Abachi 95C
Ahmidouch 95B	Ray 93	Alexopoulos 95	Abachi 95E
Birsa 91	(3.096 - 3.098)	Alexopoulos 94	Abachi 95F
0.546 - 1.287 (1.949 - 2.179)	Ray 92	Alexopoulos 94C	Abachi 95G
Ahmidouch 95	Menichetti 94	Alexopoulos 93B	Abachi 95H
Birsa 93B	(3.096 - 3.686)	Lindsey 91	Abachi 95I
(1.96 - 2.43) Harris 91B	Menichetti 94	Goulianos 94	Abachi 95J
0.6 - 0.9 (1.962 - 2.04)	Gollwitzer 94	(540 - 630) Jakobs 94	Abachi 95K
Dallatorreco 92	Ray 93	(541) Kawasaki 95	Abachi 95L
0.6 - 1.3 (1.962 - 2.184)	Cester 94	Augier 94	Abachi 95M
Amsler 91	Smith 92C	Haguenauer 94	Abachi 95N
0.6 - 1.94 (1.962 - 2.409)	(3.285 - 3.825)	Augier 93	Abachi 95O
Ravndal 94	Armstrong 93D	(541 - 546) Kawasaki 95	Abachi 95P
0.601 - 1.202 (1.963 - 2.14)	(3.5 - 3.55) Cester 94	(546) Pumplin 92	Abachi 95Q
Bradamante 95	(3.5 - 3.6) Cester 94	(546 - 630) Bryman 92	Abachi 95R
Birsa 94	(3.509 - 3.512)	Lindgren 92	Abachi 95S
Bradamante 94	Lipton 92	Abe 93S	Abachi 95T
0.679 - 1.55 (1.983 - 2.272)	Ray 92	Abe 93T	Abachi 95U
Kunne 91	Menichetti 94	Abe 93U	Abachi 95V
0.875 (2.042) Lamanna 94	Ray 93	Abe 93ZK	Abachi 95W
Birsa 93	Armstrong 91B	Belforte 93	Abachi 95X
< 0.8828 (< 2.044)	(3.51 - 3.556) Menichetti 94	Belforte 93B	Abachi 95Y
Stoks 92	(3.511) Gollwitzer 94	Chiarelli 93	Abachi 95Z
0.8973 - 3.308 (2.049 - 2.866)	(3.52 - 3.53) Cester 94	Abe 92I	Abachi 95ZB
Hasan 94	(3.52 - 3.53) Tuan 92	Behrends 92	Abachi 95ZC
< 0.925 (< 2.057)	(3.523 - 3.686)	Flaugher 92B	Abachi 95ZD
Deswart 94	Garbincius 94	Albajar 95	Abachi 95ZE
Timmermans 94	Armstrong 93E	Bocquet 95	Abachi 95ZF
1.2 - 2 (2.149 - 2.43)	(3.524 - 3.59) Armstrong 92C	Bocquet 95B	Abachi 95ZG
Hertzog 92	Tuan 92	Bocquet 95C	Abachi 95ZH
1.3 - 1.57 (2.184 - 2.279)	(3.526) Garbincius 94	Bocquet 94	Abachi 95ZI
Barnes 93	Gollwitzer 94	Albajar 93B	Abachi 95ZJ
Bertolotto 95	Menichetti 94	Alitti 93	Abachi 95ZK
1.434 - 1.451 (2.231 - 2.237)	(3.54 - 3.566) Ray 92	Forty 93	Abachi 95ZL
Barnes 94	(3.55) Armstrong 92G	Joyce 93	Abachi 95ZM
1.436 - 1.919 (2.231 - 2.402)	(3.55 - 3.566) Armstrong 91D	Neumeister 93	Abachi 95ZN
Eisenstein 94	(3.554 - 3.565)	Albajar 92	Abachi 95ZO
1.439 - 1.456 (2.233 - 2.239)	Lipton 92	Alitti 92	Abachi 95ZP
Carbonell 93	Gollwitzer 94	Alitti 92B	Abe 95B
1.475 - 1.695 (2.245 - 2.323)	(3.555) Armstrong 93E	Alitti 92C	Abe 95C
Deswart 94	(3.556) Menichetti 94	Barbarogalti 92	Abe 95D
1.5 (2.254) Hamann 92	Armstrong 93D	Brandt 92B	Abe 95E
1.546 - 1.695 (2.27 - 2.323)	Ray 93	Bryman 92	Abe 95F
Barnes 90B	Gollwitzer 94	Gauthier 92	Abe 95G
1.6 - 2.2 (2.289 - 2.49)	(3.59) Gollwitzer 94	Rolandi 92	Abe 95H
Bertolotto 94	Armstrong 95	Albajar 91	Abe 95I
1.65 (2.307) Amsler 91	5.9 (3.602) White 94B	Albajar 91B	Abe 95J
1.692 (2.322) Eisenstein 94	6 (3.627) Appel 91	Albajar 91C	Abe 95K
1.9 (2.395) Bertolotto 95	(3.67) Cester 94	Albajar 91D	Abe 95L
1.924 (2.404) Eisenstein 94	Armstrong 91B	Alitti 91	Abe 95M
1.94 (2.409) Amsler 94E	(3.685 - 3.688)	Alitti 91B	Abe 95N
Ravndal 94	Ray 92	Alitti 91C	Abe 95O
2.1 - 2.4 (2.465 - 2.568)	(3.686) Gollwitzer 94	Alitti 91D	Abe 95P
Bertolotto 94	Menichetti 94	Alitti 91E	Abe 95Q
2.15 - 2.43 (2.482 - 2.579)	10 (4.53) Appel 91	Alitti 91F	Abe 95R
Steinkamp 94	(5.56) Armstrong 91B	Alitti 91G	Abe 95T
(2.5 - 4) Pordes 93	22.4 (6.621) Boos 95	Alitti 91H	Abe 95U
(2.5 - 6.5) Cester 94	Boos 94	Alitti 91I	Abe 95W
2.814 - 3.432 (2.707 - 2.905)	Dementiev 94	Alitti 91J	Abe 95X
2.98 (2.761) Pordes 93	32 (7.864) Bogolyubsky 95	Bethke 91	Abe 95Y
3 - 7 (2.768 - 3.875)	Boos 95	Brandt 91	Abe 95ZB
Gollwitzer 94	Zabrodin 95	Felcini 91	Abe 95ZC
Armstrong 92E	Bogolyubsky 94	Joyce 91	Abe 95ZE
Pordes 93	Bogolyubsky 93	Lipa 91	Abe 95ZH
(2.9 - 3.5) Cester 94	Bravina 92	Plathowbesch 91	Abe 95ZI
(2.9 - 3.68) Menichetti 94	Boos 90B	Rossi 91	Abe 95ZK
(2.91 - 3.69) Armstrong 95	Adams 94C	Unal 91	Aihara 95
3.51 (2.929) Pordes 93	Yokosawa 92	Albajar 90G	Alexopoulos 95C
3.555 (2.943) Pordes 93	Adams 91B	Albajar 90H	Anwaywiese 95
(2.95 - 3.62) Armstrong 93	Adams 91C	Alitti 90D	Bauer 95
(2.95 - 4) Cester 94	Adams 91D	Alitti 90E	Bazizi 95
(2.98) Gollwitzer 94	Nurushev 91	Neumeister 91	Benjmain 95
Ray 93	Yokosawa 91	(630 - 900) Rimondi 93	Beretvas 95
(2.98 - 3.526) Armstrong 94	Balocchi 94	(630 - 1800) Schmitz 91	Beretvas 95B
Armstrong 93B	Balocchi 93	(640) Amos 92	Beretvas 95C
Pordes 93	Sozzi 93	(1020) Rubinstein 93	Bertram 95
Armstrong 95	Raha 91	(1020 - 1800) Abachi 96	Blair 95
Menichetti 94	1800 (58.13) Abe 93ZD	(1800) Abachi 96B	Blazey 95
Bertolotto 94	Bhat 93	Abe 96	Buckleygeer 95
Cester 94	Narain 93	Abe 96B	Debarbaro 95
Armstrong 92D	Abe 90J	Abe 96C	Derwent 95
Ray 92	Harris 91	Abe 96D	Diehl 95
Spiegel 91	Dremin 94	Abe 96E	Eno 95
	Bhattacharje 91	Abe 96F	Frisch 95
		Abachi 95B	Fuess 95

$\bar{p} p$ $\bar{p} p$

$\bar{p} p$	$\bar{p} p$	$\bar{p} p$	$\bar{p} p$
Geer 95B	Claes 94	Abe 93I	Abe 92H
Grassmann 95	Daniels 94	Abe 93J	Abe 92J
Greenlee 95	Debarbaro 94	Abe 93K	Abe 92K
Harris 95	Decarlo 94	Abe 93L	Abe 92L
Harris 95B	Dejongh 94	Abe 93N	Abe 92M
Heuring 95	Derwent 94	Abe 93O	Alexopoulos 92
Hoftun 95	Ducros 94	Abe 93P	Alexopoulos 92B
Incandela 95	Ellison 94	Abe 93Q	Amos 92B
Incandela 95B	Eppley 94	Abe 93R	Barbarogalti 92
Kim 95	Errede 94	Abe 93V	Borzumati 92
Kim 95B	Errede 94B	Abe 93W	Boswell 92
Klima 95	Fahley 94	Abe 93Y	Decarlo 92
Klima 95B	Frisch 94	Abe 93ZB	Dellagnello 92
Kopp 95	Fuess 94B	Abe 93ZC	Flaughner 92
Lamoureux 95	Garbincius 94	Abe 93ZE	Flaughner 92B
Landsberg 95	Geer 94	Abe 93ZG	Fuess 92
Markosky 95	Genser 94	Abe 93ZH	Gauthier 92
Melese 95	Gerdes 94	Abe 93ZI	Gold 92
Papadimitrio 95	Giannetti 94	Abe 93ZJ	Grassmann 92
Papadimitrio 95B	Goulianos 94	Alexopoulos 93	Harris 92
Park 95	Graf 94	Astur 93	Harris 92B
Ragan 95	Grannis 94	Bazizi 93	Huffman 92
Roser 95	Grassmann 94	Benloch 93	Incagli 92
Sansoni 95	Hagopian 94	Bhat 93	Keeble 92
Skarha 95	Hamilton 94	Blazey 93	Keeble 92B
Streets 95	Hara 94	Borcherding 93	Leone 92
Strovink 95	Harris 94	Cdfcollabora 93F	Lipton 92
Thompson 95	Harris 94B	Cdfcollabora 93G	Madaras 92
Ukegawa 95	Hauger 94B	Cobal 93	Maeshima 92
Wagner 95	Hawk 94	Crane 93	Markeloff 92
Wimpenny 95	Hedin 94	Demarteau 93	Meschi 92
Yu 95	Huehn 94	Denisov 93	Moulding 92
Yu 95B	Jensen 94	Dickson 93	Papadimitrio 92
Abachi 94	Jung 94	Diehl 93	Pumplin 92
Abachi 94B	Kamon 94	Fatyga 93	Raja 92
Abachi 94C	Karen 94	Flaughner 93	Rimondi 92
Abachi 94D	Keup 94	Forty 93	Rimondi 92B
Abe 94	Kim 94	Glicenstein 93	Rodrigo 92
Abe 94B	Konigsberg 94	Graf 93	Rolandi 92
Abe 94D	Kopp 94	Greenlee 93	Sinervo 92
Abe 94E	Kovacs 94	Hu 93	Vejcik 92
Abe 94F	Kovacs 94B	Hu 93B	Yeh 92
Abe 94G	Kuhlmann 94	Huffman 93	Abe 91
Abe 94H	Kuhlmann 94B	Huston 93	Abe 91B
Abe 94I	Lecompte 94	Igarashi 93	Abe 91C
Abe 94J	Leone 94	Kephart 93	Abe 91D
Abe 94K	Lewis 94	Klima 93	Abe 91E
Abe 94L	Lewis 94B	Kotcher 93	Abe 91F
Abe 94M	Lidemarteau 94	Lebrun 93	Abe 91G
Abe 94N	Maeshima 94	Lidemarteau 93	Abe 91H
Abe 94O	Maghakian 94	Luke 93	Abe 91I
Abe 94P	Melese 94	Lukens 93	Abe 91J
Abe 94Q	Mueller 94	Maas 93	Abe 91K
Abe 94R	Nodulman 94	Maciel 93	Abe 91L
Abe 94S	Norman 94	Mangano 93	Abe 91M
Abe 94T	Oshima 94	Merritt 93	Abe 91N
Abe 94X	Papadimitrio 94	Meschi 93	Abe 91O
Abe 94Y	Park 94B	Narain 93	Amos 91
Abe 94Z	Plunkett 94	Papadimitrio 93	Amos 91B
Abe 94ZD	Quintas 94	Papadimitrio 93B	Barbarogalti 91
Abe 94ZE	Raja 94	Papadimitrio 93C	Bethke 91
Abe 94ZF	Rimondi 94	Piekarz 93B	Buckleygeer 91
Abe 94ZG	Sakyumoto 94	Pierre 93	Campagnari 91
Alexopoulos 94	Shochet 94	Pordes 93	Cole 91
Antos 94	Skarha 94	Rubinstein 93	Contreras 91
Anwaywiese 94	Spadafora 94	Saltzberg 93	Flaughner 91
Badgett 94	Sphicas 94	Schneider 93	Fuess 91
Bailey 94	Taketani 94	Shaw 93	Giannetti 91
Barker 94	Tollestrup 94	Skarha 93	Giokaris 91
Bartalini 94	Watts 94	Snow 93	Gold 91
Bazizi 94	Weerts 94	Streets 93	Harris 91
Benloch 94	White 94	Trippe 93	Kuhlmann 91
Bhatti 94	Williams 94	Wenzel 93	Laasanen 91
Blair 94	Wolinski 94	Yu 93	Leone 91
Blessing 94	Yu 94	Zanetti 93	Lindsey 91
Buckleygeer 94	Yu 94B	Zhu 93	Liss 91
Budd 94	Abachi 93	Zylberstejn 93	Odyniec 91B
Byrum 94	Abachi 93B	Abe 92	Plothowbesch 91
Cdfcollabora 94B	Abe 93C	Abe 92B	Plunkett 91
Cdfcollabora 94C	Abe 93D	Abe 92C	Rubinstein 91
Cdfcollabora 94D	Abe 93E	Abe 92D	Sansoni 91
Cdfcollabora 94E	Abe 93F	Abe 92E	Shukla 91
Cdfcollabora 94F	Abe 93G	Abe 92F	Shukla 91B
Chakraborty 94	Abe 93H	Abe 92G	Sliwa 91

Entries are in order of beam name, then target name, then beam momentum. Particle names are ordered as described in the legend on page 119 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 120. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are equivalent p_{lab} in GeV/c; then E_{cm} in GeV follows in parentheses. For certain initial states only E_{cm} (in parentheses) is given.

$\bar{p} p$	$\bar{p} Li$	$\bar{p} Fe$	$\bar{p} ^{154}Sm$
Song 91 Wainer 91 Wainer 91B Wenzel 91 White 91 Winer 91B Winer 91C Abe 90I Abe 90L Gobbi 92 Buenerd 92 Burchell 92	0.2 (7.421) Widmann 94	Kuzichev 92	0 Lubinski 94
(2000) ?	$\bar{p} ^6Li$ 0.3 (6.567) Sudov 93	$\bar{p} ^{58}Ni$ 0 (54.97) Lubinski 94 0.3 (55.01) Sudov 93	$\bar{p} ^{165}Ho$ 0 (154.6) Polster 95 0.3 (154.7) Sudov 93
	$\bar{p} ^7Li$ 0.3 (7.499) Sudov 93 300 (62.89) Antoniazzi 92B	$\bar{p} ^{64}Ni$ 0.3 (60.6) Sudov 93	$\bar{p} ^{171}Yb$ 0.3 Sudov 93
	$\bar{p} Be$ 0.7 - 0.95 (9.53 - 9.684) Kuzichev 92B 0.7 - 2.5 (9.53 - 10.78) Kuzichev 95 Kuzichev 93 Kuzichev 92	$\bar{p} ^{63}Cu$ 0.3 (59.67) Sudov 93	$\bar{p} ^{181}Ta$ 0 (169.5) Polster 95
$\bar{p} n$ 0 (1.878) Gaspero 95 Ableev 94G Gaspero 94 Sapozhnikov 94B Zenoni 94 Weidenauer 93 Gaspero 92 Gaspero 92B Amsler 91 Gastaldi 91 Mahalanabis 92 Burchell 92	40 (27.26) Antipov 92 Antipov 90C Tzamarias 90	$\bar{p} Cu$ 0 (60.14) Jastrzebski 93 0.2 (60.16) Polster 93 0.7 - 0.95 (60.36 - 60.52) Kuzichev 92B 0.7 - 2.5 (60.36 - 61.82) Kuzichev 95 Kuzichev 93 Kuzichev 92	$\bar{p} Wt$ 125 (268.6) Tzamarias 90
0.6071 (1.966) ?	$\bar{p} C$ 0 (12.13) Batusov 92 Minor 92 Minor 92B 0.7 - 0.95 (12.34 - 12.49) Kuzichev 92B 0.7 - 2.5 (12.34 - 13.63) Kuzichev 95 Kuzichev 93 Kuzichev 92	40 (90.79) Antipov 92 Antipov 90C Tzamarias 90	$\bar{p} Au$ 100 (265.3) Whitmore 94
$\bar{p} H(atom)$ 0 Ableev 94I	$\bar{p} ^{12}C$ 0 (12.12) Polster 95 0.3 (12.16) Sudov 93	$\bar{p} ^{64}Cu$ 0 (60.56) Polster 95 0.3 (60.6) Sudov 93	$\bar{p} ^{197}Au$ 0 (185.3) Polster 95
$\bar{p} nucleus$ 100 Walker 91 185 Yokosawa 92	$\bar{p} Nit$ 0 (13.99) Ableev 94I	$\bar{p} ^{70}Ge$ 0.3 (66.19) Sudov 93	$\bar{p} Pb$ 0.2 (193) Polster 93 0.7 - 0.95 (194.2 - 194.3) Kuzichev 92B 0.7 - 2.5 (194.2 - 195.7) Kuzichev 95 Kuzichev 93 Kuzichev 92 Antipov 92 Antipov 90C
$\bar{p} deuteron$ 0 (2.814) Ableev 95 Amsler 95D Amsler 95G Ableev 94E Ableev 94G Ableev 94I Amsler 94B Amsler 94C Sapozhnikov 94 Strassburger 94 Zenoni 94 Ableev 93B Weidenauer 93 Adamo 92B Gaspero 92 Peters 92 Chiba 91B Gastaldi 91 Ableev 93 < 0.1 (< 2.817) Adamo 92 0.6071 (2.931) Mahalanabis 92	$\bar{p} Ne$ 0 (19.73) Ableev 94I	$\bar{p} ^{84}Cu$ 0 (60.56) Polster 95 0.3 (60.6) Sudov 93	$\bar{p} ^{208}Pb$ 0.3 (194.7) Sudov 93
	$\bar{p} ^{20}Ne$ 0 (19.57) Balestra 91B	$\bar{p} ^{86}Zr$ 0 (90.36) Lubinski 94	$\bar{p} ^{209}Bi$ 0 (195.6) Polster 95 0.105 (195.6) Hofmann 94 Bocquet 92
	$\bar{p} Mg$ 100 (71) Whitmore 94	$\bar{p} ^{92}Mo$ 0 Polster 95 0.3 Sudov 93	$\bar{p} ^{232}Th$ 0 (217) Lubinski 94 0.105 (217.1) Hofmann 94 0.3 (217.1) Sudov 93
	$\bar{p} Al$ 0.7 - 0.95 (26.29 - 26.45) Kuzichev 92B 0.7 - 2.5 (26.29 - 27.69) Kuzichev 95 Kuzichev 93 Kuzichev 92 Antipov 92 Antipov 90C	$\bar{p} ^{98}Mo$ 0.3 (92.28) Sudov 93	$\bar{p} ^{238}U$ 0 (222.6) Polster 95 Lubinski 94 Hofmann 92 Machner 92 Hofmann 94 Armstrong 92B Bocquet 92 Sudov 93
	$\bar{p} ^{27}Al$ 0 (26.09) Polster 95	$\bar{p} ^{100}Mo$ 0 (94.09) Polster 95	$\bar{p} ^{238}U$ 0 (222.6) Polster 95 Lubinski 94 Hofmann 92 Machner 92 Hofmann 94 Armstrong 92B Bocquet 92 Sudov 93
	$\bar{p} ^{28}Si$ 0 (27.02) Polster 95 0.3 (27.07) Sudov 93	$\bar{p} ^{96}Ru$ 0 Lubinski 94	$\bar{p} U$ 0 (222.7) Minor 92 Minor 92B
	$\bar{p} S$ 0 (30.8) Batusov 92	$\bar{p} ^{108}Ag$ 0 (101.5) Polster 95	$\Delta(1232 P_{33})^+ p$ 0.16 (2.175) Budyashov 93
	$\bar{p} Ar$ 0 (38.15) Ableev 94I	$\bar{p} Ag$ 100 (173.8) Whitmore 94	ΛCu 300 - 800 (197.5 - 313.4) Wallace 95 Lach 94 Lach 93 Lach 92 Diehl 91 Yokosawa 91
	$\bar{p} ^{40}Ca$ 0 (38.1) Polster 95 0.3 (38.24) Sudov 93	$\bar{p} Cd$ 0.7 - 0.95 (105.9 - 106) Kuzichev 92B 0.7 - 2.5 (105.9 - 107.3) Kuzichev 95 Kuzichev 93 Kuzichev 92	$\Sigma^+ \gamma^*$ 375 Lach 94 Cooper 93 Lach 93 Morelos 93B Chen 92B Lach 92
	$\bar{p} Fe$ 0.7 - 0.95 (53.19 - 53.35) Kuzichev 92B 0.7 - 2.5 (53.19 - 54.64) Kuzichev 95 Kuzichev 93	$\bar{p} ^{130}Te$ 0 (13.03) Lubinski 94	
		$\bar{p} Xe$ 0 (123.2) Ableev 94I 0 - 0.9 (123.2 - 123.6) Barmin 94B Barmin 93 Andryakov 92 Dolgolenko 92 Matveev 92 0.06 - 0.75 (123.3 - 123.5) Barmin 94 Derado 90B	
		$\bar{p} ^{144}Sm$ 0 Lubinski 94	

Σ^0 Cu

^3H Mg

Σ^0 Cu	deuteron p	deuteron C	deuteron Cu
300 – 800 (197.5 – 313.4) Wallace 95 Lach 94 Lach 93 Lach 92 Diehl 91 Yokosawa 91	1.102 – 3.773 (2.912 – 3.508) Punjabi 95 1.112 – 1.891 (2.914 – 3.065) Mcnaughton 92 1.198 (2.928) Kox 91 3.07 – 3.505 (3.339 – 3.444) Tatishcheff 92 3.3 (3.394) Deloff 95 Glagolev 91 3.392 (3.416) Ero 94 3.505 (3.444) Cheung 92 3.77 (3.507) Plouin 92 4.2 – 9 (3.6 – 4.653) Averichev 95B Averichev 95C	Backovic 91 Batskovich 91 Didenko 91B Baatar 90 8.4 – 20 (17.92 – 24.05) Dedovich 94 8.982 (18.28) 9 (18.29) Abraamyan 94C Baldin 94 Nomofilov 94 Afanasyev 93B Afanasyev 93C Afanasyev 91	Afanasyev 91 deuteron ^{90}Zr 0.888 (85.91) Vandewiele 94 deuteron Ag 6.014 (106.6) Todorovic 93 deuteron ^{116}Sn 0.888 (110.1) Vandewiele 94 deuteron ^{120}Sn 0.888 (113.9) Vandewiele 94
$\Sigma^- e^-$		deuteron ^{12}C	deuteron Ta
360 (1.342) Buenerd 92		0.6967 (13.16) Xu 95 0.8 – 1 (13.19 – 13.27) Baldin 95B 0.888 (13.23) Morlet 94 Vandewiele 94 1.042 (13.28) Okamura 94 2.926 – 3.392 (14.36 – 14.67) Sams 95 3.8 – 6.5 (14.94 – 16.73) Averichev 95C 4.2 – 9 (15.21 – 18.28) Averichev 95B 4.5 – 5.5 (15.41 – 16.08) Azhgirey 95 Azhgirey 95B 6 – 9 (16.4 – 18.28) Kuehn 94 6.2 – 9 (16.53 – 18.28) 9 (18.28) Anisimov 95 Averichev 95B Azhgirey 91 Azhgirey 91B Ableev 92 Ableev 92B Ableev 91B	8.4 (176) Backovic 94 Bekmirzaev 94B Agakishiev 92 Agakishiev 92 Backovic 92C Agakishiev 91 Backovic 91 8.4 – 20 (176 – 187.6) Dedovich 94
$\Sigma^- p$			deuteron Au
360 (26.04) Buenerd 92			6.014 (189.7) Todorovic 93
Σ^- nucleus			deuteron Pb
350 Szarka 93			1.616 (195.5) Peterson 94 3.392 (196.9) Daniel 92 Baldin 94 Afanasyev 93B Afanasyev 93C Afanasyev 91
$\Sigma^- \text{C}$			deuteron Bi
330 (86.66) Beusch 95 340 (87.95) Adamovich 95C 360 (90.45) Chudakov 94			6.014 (200.9) Todorovic 93
$\Sigma^- ^{12}\text{C}$	deuteron nucleus		deuteron Th
0 (12.38) Guriyev 93	2.5 Troyan 94B 8.266 – 9.084 Okonov 94 9 Ghosh 94B Bobodjanov 91 9 – 17.8 Bondarev 93		6.014 (222.4) Todorovic 93
$\Sigma^- \text{Cu}$	deuteron deuteron		deuteron ^{238}U
330 (206.3) Beusch 95 340 (209.2) Adamovich 95C 360 (214.8) Chudakov 94	2.31 (4.266) Goldzahl 91 2.337 – 2.341 (4.275 – 4.276) Frascaria 94 9 (6.444) Azhgirey 91 Azhgirey 91B		8.982 (230.7) Kozma 93
$\Sigma^- \text{Wt}$	deuteron ^4He		deuteron deuteron
0 (172.5) Powers 93	0.05713 – 0.1344 (5.602 – 5.605) Barit 91		10 – 13 (6.723 – 7.504) Batyunya 93 12.2 (7.303) Batyunya 93B Coc 92
$\Sigma^- \text{Pb}$	deuteron ^6Li		deuteron C
0 (194.2) Powers 93	0.6967 (7.558) Xu 95		10 – 13 (18.88 – 20.56) Batyunya 93 12.2 (20.12) Batyunya 93B Coc 92
$\Sigma^- \gamma^*$	deuteron Be		deuteron Pb
375 Lach 94 Cooper 93 Morelos 93B	2.17 (11.06) Viryasov 91B 3.392 – 5.568 (11.79 – 13.14) Viryasov 92 3.4 (11.7) Gulkanyan 91B		10 – 13 (202.9 – 205.7) Batyunya 93 12.2 (204) Batyunya 93B Coc 92
$\Xi^- p$	deuteron C		$^3\text{H} p$
135 (15.9) Buenerd 92 360 (26.04) Buenerd 92	1.2 – 4.2 (13.36 – 15.22) Beznogikh 91 1.6 (13.56) Beznogikh 91 1.616 (13.57) Peterson 94 2 – 4 (13.79 – 15.08) Kishida 92 2.17 (13.89) Viryasov 91B 3.392 (14.68) Gulkanyan 91 3.392 – 8.266 (14.68 – 17.84) Viryasov 92 3.4 (14.68) Ermakov 94 Gulkanyan 91B 5.8 – 9 (16.28 – 18.29) Borzunov 93 6 – 9 (16.41 – 18.29) Aono 95 Chernykh 94 6.615 – 8.982 (16.81 – 18.28) Baldin 92 7.649 – 11.73 (17.46 – 19.86) Chiba 94 Chiba 93 Angelov 94 Backovic 94 Bazarov 94 Bekmirzaev 94 Bekmirzaev 93 Kuznetsov 93 Agakishiev 92 Backovic 92 Backovic 92C Simic 92 Baatar 91		9 (5.136) Avramenko 92B Avramenko 91
Ξ^- nucleus			^3H deuteron
0 Aoki 93 Imai 92 Aoki 91 Aoki 91E			0.4106 – 0.4468 (4.682 – 4.684) Blagus 91
$\Xi^- ^{12}\text{C}$			$^3\text{H} \text{C}$
< 1.66 (< 13.1) Aoki 95B			9 (18.54) Avramenko 94 Avramenko 91
$\Omega^- p$			$^3\text{H} ^{12}\text{C}$
360 (26.06) Buenerd 92			5.979 (16.74) Avramenko 96
nucleus nucleus			$^3\text{H} \text{Ne}$
< 1.6 Pokotilovsky 93 57.2 – 6400 Gazdzicki 95 $5 \cdot 10^4 - 10^7$ Palamara 93 $5 \cdot 10^4 - 5.6 \cdot 10^8$ Ahlen 92 10^6 Avakyan 91D ? Schmidt 92B			9 (26.74) Abdurakhimov 91
nucleus Ta			$^3\text{H} \text{Mg}$
0.59 – 2.3 Villari 91			9 (30.77) Avramenko 94
frag p			
0 – 50 Gaitinov 94			
fragb nucleus			
4.5 – 45 Ahmad 91C			
deuteron p			
0.1061 (2.815) Knutson 93 0.4451 (2.831) Qin 95 0.888 – 1.198 (2.87 – 2.928) Kox 93			

Entries are in order of beam name, then target name, then beam momentum. Particle names are ordered as described in the legend on page 119 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 120. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are equivalent p_{lab} in GeV/c; then E_{cm} in GeV follows in parentheses. For certain initial states only E_{cm} (in parentheses) is given.

${}^3\text{H Mg}$	Avramenko 93 Avramenko 92B Abdurakhimov 91	${}^3\text{He } {}^{112}\text{Sn}$ 1.076 (107.3) Pham 95	${}^4\text{He nucleus}$ $3.3 \cdot 10^5 - 7.2 \cdot 10^5$ Apanasenko 92	$\text{He } {}^9\text{Be}$ 1.228 (12.25) Cowley 94
${}^3\text{H Al}$	Avramenko 91	${}^3\text{He } {}^{114}\text{Sn}$ 1.076 Pham 95	${}^4\text{He deuteron}$ 7 (6.866) Morsch 94	He C 2.57 - 5.83 (15.5 - 17.15) Montarou 91 3.807 (16.07) Montarou 91 6.8 (17.68) Ermakov 94 16.8 (22.89) Angelov 94 Backovic 94 Kuznetsov 93 Agakishiev 92 Backovic 92C Simic 92 Backovic 91 Didenko 91B Baatar 90 Ableev 91C Chkhaidze 95 Jipa 95 Abraamyan 94C Besliu 93 Chkhaidze 92
9 (33.36) ${}^3\text{H Cu}$	Avramenko 92B Avramenko 91	${}^3\text{He } {}^{116}\text{Sn}$ 1.076 (111) Pham 95	${}^4\text{He } {}^4\text{He}$ 0.497 - 0.5119 (7.468 - 7.469) Debraeckelee 95 0.9451 (7.511) Warner 94	
${}^3\text{H Pb}$	Avramenko 92B Avramenko 91	${}^3\text{He } {}^{117}\text{Sn}$ 1.076 Pham 95	${}^4\text{He Be}$ 11.12 (16.77) Viryasov 92	
${}^3\text{He } p$	Hennino 92 Ableev 91 Glagolev 94B Galazkafried 93 Glagolev 93B	${}^3\text{He } {}^{118}\text{Sn}$ 1.076 (112.9) Pham 95	${}^4\text{He C}$ 11.12 - 23.43 (20.04 - 25.88) Chiba 94 Viryasov 92 16.51 (22.76) Bekmirzaev 94 16.8 (22.89) Bekmirzaev 93 Backovic 92 Baatar 91 Batskovich 91 Abraamyan 92 Avramenko 92	
${}^3\text{He deuteron}$	Pinston 92 Hennino 92 Nagata 92	${}^3\text{He } {}^{119}\text{Sn}$ 1.076 Pham 95	${}^4\text{He } {}^{12}\text{C}$ 7 (17.78) Morsch 94 16.8 (22.88) Angelov 91	$\text{He } {}^{12}\text{C}$ 0.7491 - 1.214 (14.96 - 15.05) Auce 94
${}^3\text{He C}$	Pinston 92 Ableev 91 Avramenko 92	${}^3\text{He } {}^{120}\text{Sn}$ 1.076 (114.8) Pham 95	${}^4\text{He } {}^{24}\text{Mg}$ 1.145 (26.23) Waters 93	$\text{He } {}^{16}\text{O}$ 0.7491 - 1.214 (18.69 - 18.78) Auce 94
${}^3\text{He } {}^{12}\text{C}$	Harakeh 94 Hennino 93 Hennino 92 Ableev 91D	${}^3\text{He } {}^{122}\text{Sn}$ 1.076 (116.6) Pham 95	${}^4\text{He Al}$ 17.74 (39.45) Adyasevich 94 Adyasevich 94B	He Ne 18 (32.52) Jipa 95
${}^3\text{He } {}^{12}\text{C}$	Harakeh 94 Hennino 93 Hennino 92 Ableev 91D	${}^3\text{He } {}^{124}\text{Sn}$ 1.076 (118.5) Pham 95	${}^4\text{He Fe}$ $8 \cdot 10^4 - 10^5$ (2886 - 3226) Apanasenko 92 $4 \cdot 10^5$ (6451) Apanasenko 93	He Al 17.9 (39.56) Ableev 91C 18 (39.62) Jipa 95 Besliu 93
${}^3\text{He } {}^{26}\text{Mg}$	Brookstedt 91	${}^3\text{He } {}^{197}\text{Au}$ 2.417 - 5.752 (188 - 190.6) Yennello 93 Kwiatkowski 95	${}^4\text{He Cu}$ 11.12 - 23.43 (70.05 - 79.54) Chiba 94 Abraamyan 92	$\text{He } {}^{28}\text{Si}$ 0.7491 - 1.214 (29.88 - 29.98) Auce 94
${}^3\text{He } {}^{40}\text{Ca}$	Brookstedt 91	${}^3\text{He } {}^{208}\text{Pb}$ 0.1979 - 0.3087 (196.6 - 196.6) Goeckner 91 1.649 (196) Harakeh 94 Yamagata 94 2.417 - 3.896 (197.4 - 198.5) Brookstedt 91	${}^4\text{He Ta}$ 16.8 (184) Bekmirzaev 94B Backovic 92	$\text{He } {}^{40}\text{Ca}$ 0.7491 - 1.214 (41.06 - 41.16) Auce 94
${}^3\text{He } {}^{48}\text{Ca}$	Brookstedt 91	${}^3\text{He Bi}$ 3.896 (199.4) Pienkowski 94	${}^4\text{He Au}$ 8 (192.1) Kratenko 93	$\text{He } {}^{48}\text{Ca}$ 0.7491 - 1.214 (48.51 - 48.62) Auce 94
${}^3\text{He } {}^{54}\text{Fe}$	Brookstedt 91	${}^3\text{He U}$ 3.896 (226.5) Pienkowski 94	${}^4\text{He } {}^{197}\text{Au}$ 6.768 - 17.74 (191.9 - 201.7) Lips 94 17.74 (201.7) Lips 94B 17.94 (201.9) Shmakov 95	$\text{He } {}^{58}\text{Ni}$ 0.7491 - 1.214 (57.83 - 57.94) Auce 94
${}^3\text{He Fe}$	Apanasenko 93	${}^4\text{He } p$ 2.7 (4.837) Blinov 95B Grechko 94 Abdullin 92 8.6 - 13.6 (5.688 - 6.421) Sobchak 95 Sobchak 95B Galazkafried 93 Glagolev 93B	${}^4\text{He Pb}$ 17.74 (210.4) Adyasevich 94 Adyasevich 94B 18 (210.6) Bobodjanov 91 > $2 \cdot 10^4$ (> 2785) Apanasenko 94	He Cu 2.57 - 5.83 (63.67 - 65.87) Montarou 91 17.9 (75.39) Ableev 91C 18 (75.46) Jipa 95 Abraamyan 94C Besliu 93
${}^3\text{He Cu}$	Pinston 92	${}^4\text{He nucleus}$ 18 Ghosh 94B Ahmad 93C Bobodjanov 91 18 - 35.6 Bondarev 93 47.58 Mukhopadhyaya 93 Mukhopadhyaya 93C Golde 92 Jain 92F Jain 92G Elnadi 94 Jain 92E Jain 91 Jain 91B Jain 91C Mukhopadhyaya 93 Mukhopadhyaya 93C Golde 92 Jain 92F Jain 92G Baroni 91	$\text{He } p$ 7 (5.446) Morsch 92	$\text{He } {}^{124}\text{Sn}$ 0.7491 - 1.214 (119.3 - 119.4) Auce 94
${}^3\text{He } {}^{71}\text{Ga}$	Fujiwara 94		He nucleus 16.51 - 18.15 Okonov 94 18 Ahmad 91	He Ta 16.8 (184) Backovic 94 Agakishiev 92 Backovic 92C Agakishiev 91 Backovic 91
${}^3\text{He } {}^{90}\text{Zr}$	Fujiwara 94 Yamagata 94 Brookstedt 91		He He 1.228 (7.555) Cowley 94	He Pb 2.57 - 5.83 (197.5 - 199.9) Montarou 91 3.807 (198.3) Montarou 91 6.76 (200.6) Daniel 92 17.9 (210.5) Ableev 91C 18 (210.6) Jipa 95 Besliu 93
${}^3\text{He Ag}$	Yennello 93 Zhu 91 Yennello 93 Yennello 93 Pienkowski 94 Morley 95 Yennello 93 Kwiatkowski 95		He Li 18 (17.13) Chkhaidze 95 Albaaj 94 Chkhaidze 92	

He ²⁰⁸Pb

¹³C C

He ²⁰⁸Pb	⁹Li Sn	C C	¹²C nucleus
0.7491 – 1.214 (197.6 – 197.7) Auce 94	Blank 92	Angelov 92B Backovic 92C Krpic 92 Simic 92 Backovic 91 Batskovich 91 Didenko 91B Vinitzky 91 Baatar 90 Jipa 95 Abraamyan 94C Besliu 93 Chkhaidze 92	Ahmad 93 Ahmad 93B Ahmad 93C Ahmad 93D Elnagdy 93 Ghosh 93C Ghosh 93D Ghosh 92D Ahmad 91 Ahmad 91B Bobodjanov 91 Bondarev 93 Ghosh 94D Baroni 91
⁸He p	⁹Li Pb	54 (38.53)	54 – 106.8 64.21 < 2411
0.3862 (8.391) Korshennik 93	3.548 (202.1) Blank 93 Blank 92	C Ne	¹²C C
⁸He Be	¹¹Li Be	54 (50.5)	50.4 (37.49)
1.907 (15.97) Riisager 92	2.621 (18.79) Riisager 92	Chkhaidze 95 Jipa 95 Sarkisyan 93 Sarkisyan 93B Chkhaidze 92 Gelovani 92	Bekmirzaev 94 Bondarenko 94 Bekmirzaev 93 Pluta 93 Backovic 92 Baatar 91 Baldin 95 Afanasyev 93C
⁸He Ni	¹¹Li C	C Fe	53.83 (38.48) 54 (38.52)
1.907 (62.35) Riisager 92	4.337 (21.89) Blank 93 Blank 92	> 6 · 10 ⁴ (> 2499) Apanasenko 94	¹²C ¹²C
⁸He Au	¹¹Li Ni	C Cu	3.898 – 6.712 (22.69 – 23.27) Llope 95 6.233 (23.16) Ichihara 94 50.4 (37.47) Angelov 91 54 (38.51) Abraamyan 91
1.907 (191.2) Riisager 92	2.621 (65.21) Riisager 92	22 – 44 (80.94 – 94.89) 54 (100.8)	¹²C Al
⁶Li p	¹¹Li Sn	Bisplinghoff 94 Chkhaidze 95 Jipa 95 Abraamyan 94C Besliu 93 Sarkisyan 93 Sarkisyan 93B Chkhaidze 92 Gelovani 92 Sarkisyan 92 Sarkisyan 92B Sarkisyan 91 Brandt 92	53.22 (59.08) Adyasevich 94 Adyasevich 94B
8.39 (7.145) Punjabi 92	4.337 (121.6) Blank 93 Blank 92	C Zr	¹²C ⁵⁸Ni
⁶Li nucleus	¹¹Li Au	54.04 (100.8)	3.584 (65.67) Xi 93
27 Lepekhin 95 Elsharkawy 94 Lepekhin 94B Baroni 91	2.621 (194) Riisager 92	C Ta	¹²C Cu
< 1206	¹¹Li Pb	50.4 (214.3)	53.22 (100.3) Adyasevich 94 Adyasevich 94B 53.83 (100.7) Baldin 95 54 (100.8) Sarkisyan 95 Sarkisyan 93C
⁶Li C	4.337 (204.1) Blank 93 Blank 92	Bazarov 95 Boos 95 Simic 95 Backovic 94 Bazarov 94 Agakishiev 92 Angelov 92 Backovic 92C Agakishiev 91 Backovic 91 Batskovich 91	¹²C Yt
27 (27.81) Avramenko 92	⁹Be nucleus	C Pb	53.83 (126.8) Fedorets 94
⁶Li Pb	< 1808 Baroni 91	20.31 (215.2) Daniel 92 54 (242.2) Chkhaidze 95 Jipa 95 Besliu 93 Chkhaidze 92 > 6 · 10 ⁴ (> 4816) Apanasenko 94	¹²C Ag
10.15 (204.3) Daniel 92	¹¹Be ⁹Be	¹²C p	2.329 (111.9) Chen 94B 53.83 (145.8) Fedorets 94
⁷Li p	3.074 (18.83) Anne 94	50.4 (14.92) Belaga 95B Bondarenko 94 Pluta 93 Afanasyev 93C	¹²C ¹¹⁵In
21 (9.201) Avramenko 92B Avramenko 91C	¹¹Be C	¹²C nucleus	3.395 (118.7) Li 92 3.584 (118.8) Xi 93
⁷Li nucleus	2.752 (21.62) Fukuda 91	4.077 – 4.913 Batkin 91 49.14 Belaga 95 52.8 Belaga 95F 54 Ahmad 95 Belaga 95D Khan 95 Yasinbakry 95 Ahmad 94 Ghosh 94D Tariq 94	¹²C Sn
26.74 Yasin 95 28.7 Elnaghy 94 31.76 Elnadi 94C 37.46 Yasin 95	¹¹Be Al		43.8 (149.5) Kozma 91B
⁷Li C	2.752 (35.64) Fukuda 91		¹²C Ta
21 (25.68) Avramenko 92B Avramenko 91C	¹¹Be Ti		50.4 (214.3) Bekmirzaev 94B Bondarenko 94 Pluta 93 Backovic 92
⁷Li Mg	3.074 (55.23) Anne 94		¹²C ¹⁹⁷Au
21 (39.38) Avramenko 92B	¹¹Be ¹⁹⁷Au		3.584 (196) Xi 93
⁷Li Al	3.074 (195) Anne 94		¹²C Pb
21 (42.18) Avramenko 91C	¹⁴Be Be		53.22 (241.6) Adyasevich 94 Adyasevich 94B 53.83 (242.1) Baldin 95 54 (242.2) Elnaghy 94 Afanasyev 93C Bobodjanov 91
⁷Li Cu	¹⁴Be Ni		¹²C ²⁰⁸Pb
21 (78.42) Avramenko 91C	3.336 (68.07) Riisager 92		53.83 (242.8) Grabez 93
⁷Li Pb	¹⁴Be Au		¹³C C
21 (213) Avramenko 92B Avramenko 91C	3.336 (196.9) Riisager 92		3.252 (23.5) Fukuda 91
⁸Li deuteron	¹¹Bor nucleus		
0.3454 – 0.457 (9.329 – 9.33) Balbes 93	< 2210 Baroni 91		
⁸Li C	C p		
3.154 (19.02) Blank 93 Blank 92	54 (15.15) Ameeva 94		
⁸Li Pb	C nucleus		
3.154 (201.1) Blank 93 Blank 92	47.91 Gulamov 95 49.54 – 54.45 Okonov 94 50.4 Belaga 95E 54 Belaga 95C Ameeva 94 Belaga 94 Ghosh 94B Ahmad 92 Tauseef 92		
⁹Li C	C C		
3.548 (19.98) Blank 93 Blank 92	39.64 – 53.84 (34.23 – 38.48) Baldin 92 50.4 (37.49) Bazarov 95 Boos 95 Simic 95 Angelov 94 Backovic 94 Bazarov 94 Kuznetsov 93 Agakishiev 92 Angelov 92		
⁹Li Al			
3.548 (34.05) Blank 93 Blank 92			
⁹Li Cu			
3.548 (68.21) Blank 93 Blank 92			
⁹Li Sn			
3.548 (119.6) Blank 93			

Entries are in order of beam name, then target name, then beam momentum. Particle names are ordered as described in the legend on page 119 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 120. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are equivalent p_{lab} in GeV/c; then E_{cm} in GeV follows in parentheses. For certain initial states only E_{cm} (in parentheses) is given.

¹³C Al	O Au	¹⁶O nucleus	¹⁶O Cu
3.252 (37.53) Fukuda 91	3215 (1102) Bachler 91 Albrecht 92T Karabarbouni 92B	Golde 92 Jain 92E Jain 92G Jain 91 Jain 91B Sengupta 91 Elnadi 95C Albrecht 94E Elnadi 93 Bahk 91 Adamovich 95F Dabrowska 95B Elnadi 95 Dabrowska 93 Dabrowska 93C Baroni 92 Kampert 92 Singh 92B Baroni 91 Jacob 91 Jain 91C	3215 (619) Baglin 92B Albrecht 91H Baglin 91E Awes 95 Kampert 92 Baglin 91B Baglin 91C Jacob 91 Odyniec 91B
¹³Nit p	O Pb	3200	¹⁶O ¹⁰⁸Ag
0.4457 - 0.8313 (13.05 - 13.05) Decrock 93	72 (256.6) Chkhaidze 95 Jipa 95 Besliu 93 Chkhaidze 92	3215	5.663 (116.4) Perrin 92
Nit nucleus	O U	¹⁶O ⁷Li	¹⁶O Ag
26.35 Belaga 95D	3200 (1212) Guillaud 91 Peralta 91 3215 (1215) Raha 91	5.663 (21.73) Perrin 92	49.51 - 70.95 (143.9 - 157.8) Hirzebruch 92 Sampsonidis 95 71.77 (158.3) Hirzebruch 92 230.4 (238.2) Bronikowski 91 233.6 (239.5) Bachler 91B 960 - 3200 (450.8 - 808.3) 794.8 - 3215 (454.1 - 810.2) Albrecht 93H 3200 (808.3) Albrecht 92L Albrecht 91H 3215 (810.2) Awes 95 Adamovich 93E Kampert 92
¹⁴Nit nucleus	¹⁶O p	¹⁶O Be	¹⁶O Wt
3.608 Batkin 91 40.6 Belaga 95F < 2813 Baroni 91	25.23 - 70.95 (16.67 - 18.95) Hirzebruch 92 Ameeva 91 Botvina 91 52 (18.01) Glagolev 95 Glagolev 94 Glagolev 93 Glagolev 89 230.4 (25.62) Hirzebruch 92 3215 (79.09) Baroni 92	46.16 (33.27) Olson 91	3200 (1061) Akesson 90E 3215 (1063) Tserruya 95 Akesson 91 Schukraft 91
¹⁴Nit C	¹⁶O nucleus	¹⁶O C	¹⁶O Au
3.912 - 7.271 (24.49 - 25.09) Suzuki 91	1.546 - 3215 Adamovich 91B 2.297 - 3215 Otterlund 91 3.476 - 4.29 Batkin 91 6.823 Batkin 91 10.56 Barz 92 25.23 - 70.95 Hirzebruch 92 Ghosh 93C Ghosh 93D Ghosh 91 Ghosh 94D Ghosh 94E Ghosh 94F Ghosh 93E Ghosh 92B 54 Yasinelbakry 95 72 Sherif 95 72.59 Andreeva 95B Adamovich 92C Adamovich 92D Adamovich 92F 72.59 - 3215 Otterlund 91 230.4 Hirzebruch 92 232 Cecchini 93 233.1 Adamovich 93F Adamovich 92B Adamovich 91 Adamovich 91C Stenlund 91 Adamovich 90C 233.1 - 3200 Buschbeck 91 Schmitz 91 Adamovich 90B 233.6 Bahk 91 248.1 Adamovich 95H Sengupta 93 Adamovich 92C Adamovich 92D Adamovich 92F Adamovich 93F Adamovich 92B 959.9 - 3200 Adamovich 92B Jain 92C Adamovich 91 Adamovich 91C Stenlund 91 Adamovich 90C 960 Bahk 91 974.8 Elnadi 95B Elnadi 94 974.8 - 3215 Mukhopadhyaya 95 Jain 93B Mukhopadhyaya 93B Mukhopadhyaya 93D Sengupta 93 Adamovich 92C Adamovich 92D Adamovich 92F	25.23 - 70.95 (31.67 - 44.38) Hirzebruch 92 71.77 (44.58) Sampsonidis 95 230.4 (74.26) Hirzebruch 92 232 (74.4) Cumming 93B 974.8 - 3215 (148.9 - 268.9) Albrecht 93H 3200 (268.2) Albrecht 92L Albrecht 91H Awes 95 Albrecht 91O Odyniec 91B	960 (621.4) Baechler 91C 960 - 3200 (621.4 - 1099) Bachler 91B 974.8 (625.8) Odyniec 91 974.8 - 3215 (625.8 - 1102) Albrecht 93H Odyniec 91B Schukraft 91 3200 (1099) Albrecht 92L Albrecht 91H Schmitz 91 3215 (1102) Awes 95 Eklund 92 Kampert 92 Albrecht 91 Albrecht 91O Odyniec 91B
¹⁴Nit Cu	¹⁶O ¹²C	¹⁶O ²⁴Mg	¹⁶O ¹⁹⁷Au
2.851 (72.49) Sosin 94	5.663 (26.52) Perrin 92	3.405 - 4.002 (37.49 - 37.57) Waters 93	5.663 (200.2) Perrin 92 10.28 (202.2) Gaff 95
¹⁴Nit Ag	¹⁶O ²⁷Al	¹⁶O ⁵⁸Ni	¹⁶O Pb
2.851 (113.8) Sosin 94	49.51 - 70.95 (58.76 - 67.07) Hirzebruch 92 71.77 (67.37) Sampsonidis 95 230.4 (111.6) Hirzebruch 92 232 (111) Cumming 93B 233.6 (112.3) Abbott 94B 3200 (402.1) Bachler 91B 3215 (403.1) Kampert 92	6.89 (70.11) Moisan 92	25.23 - 70.95 (220.9 - 255.9) Hirzebruch 92 71.77 (256.5) Sampsonidis 95 230.4 (355.8) Hirzebruch 92 3200 (1128) Baglin 91 3215 (1131) Schukraft 91
¹⁴Nit ¹⁵⁹Tb	¹⁶O Al	¹⁶O Cu	¹⁶O ²⁰⁷Pb
2.851 (161.4) Sosin 94	49.51 - 70.95 (58.76 - 67.07) Hirzebruch 92 71.77 (67.37) Sampsonidis 95 230.4 (111.6) Hirzebruch 92 232 (111) Cumming 93B 233.6 (112.3) Abbott 94B 3200 (402.1) Bachler 91B 3215 (403.1) Kampert 92	46.16 (97.31) Olson 91 49.51 - 70.95 (99.23 - 110.9) Hirzebruch 92 71.77 (111.4) Sampsonidis 95 230.4 (176.2) Hirzebruch 92 232 (176.8) Tannenbaum 94 Cecchini 93 Cumming 93 Cumming 93B 233.6 (177.3) Abbott 95 Abbott 94B 960 - 3200 (342.6 - 618.5) Bachler 91B 974.8 - 3215 (345.2 - 619) Albrecht 93H 3200 (618.5) Albrecht 92L	6.89 (209.1) Moisan 92
¹⁷Nit Be	O Ne	¹⁶O U	¹⁶O U
23.8 Ozawa 94	72 (57.77) Jipa 95 Besliu 93	46.16 (266.3) Olson 91 3200 (1212)	46.16 (266.3) Olson 91 3200 (1212)
¹⁷Nit C	O Al	3215 (1215)	3215 (1215)
22.98 - 23.5 Ozawa 94	233.6 (112.3) Abbott 92B 974.8 - 3215 (223.3 - 403.1) Albrecht 91Q	960 (342.6) Bachler 91B 974.8 - 3215 (345.2 - 619) Albrecht 91Q 3200 (618.5) Bachler 91	3215 (1215) Olson 91 Baglin 92B Abreu 91E Baglin 91D Baglin 91E Abreu 92M Baglin 91B Baglin 91C Jacob 91 Odyniec 91 Odyniec 91B Schukraft 91
¹⁷Nit Al	O Cu	O Ag	
23.39 Ozawa 94	233.6 (177.3) Abbott 92B 960 (342.6) Bachler 91B 974.8 - 3215 (345.2 - 619) Albrecht 91Q 3200 (618.5) Bachler 91	233.6 (239.5) Abbott 92B 960 (450.8) Bachler 91B 974.8 - 3215 (454.1 - 810.2) Albrecht 91Q	
O p	O Au	O Au	
50 (17.91) Gaitinov 94	233.6 (346.1) Abbott 92B 960 - 3200 (621.4 - 1099) Bachler 91B 974.8 - 3215 (625.8 - 1102) Karabarbouni 92 Albrecht 91Q 3200 (1099) Bachler 94C Fialkowski 94 Wosiek 94 Bachler 93 Bachler 92	960 (346.1) Abbott 92B 960 - 3200 (621.4 - 1099) Bachler 91B 974.8 - 3215 (625.8 - 1102) Karabarbouni 92 Albrecht 91Q 3200 (1099) Bachler 94C Fialkowski 94 Wosiek 94 Bachler 93 Bachler 92	

¹⁸O Be

²⁸Si nucleus

¹⁸O Be 7.975 (25.76) Suzuki 93D	²⁰Ne Nit 13.54 (33.44) Dudkin 94 15.49 (33.91) Bogdanov 93	²⁴Mg Ag 107.7 (180.8) Sampsonidis 95	Si Au Hamagaki 94 Hayano 94 Kaufman 94 Kaufman 94C Vossnack 94 Wang 94 Barrette 93B Kaufman 92B Abbott 91
¹⁷F1 Be 23.18 Ozawa 94	²⁰Ne O 13.54 (35.43) Dudkin 94 15.49 (35.94) Bogdanov 93	²⁴Mg Pb 107.7 (283.2) Sampsonidis 95 108 (283.4) Elnaghy 94	
¹⁷F1 C 21.73 – 22.77 Ozawa 94	²⁰Ne F1 54.11 (51.83) Schroeter 94	Mg p 108 (26.84) Ameeva 94	
¹⁷F1 Al 22.56 Ozawa 94	²⁰Ne Na 54.11 (57.05) Schroeter 94	Mg nucleus 99.29 – 109.1 Okonov 94 108 Ameeva 94 Elnadi 92	Si Pb 408.8 (442.8) Longacre 95 Stocker 95 Barrette 94B Barrette 94C Eiseman 94 Hayano 94 Hemmick 94 Lissauer 94C Xu 94 Barrette 93 Barrette 93B Barrette 93C Eiseman 93 Longacre 93 Eiseman 92B
¹⁷Ne Be 22.78 Ozawa 94	²⁰Ne ²⁷Al 6.496 – 10.39 (44.41 – 45.3) Llope 95	Mg Mg 103.2 (76.22) Avramenko 91B 105.6 (76.91) Anikina 95 108 (77.5) Chkhaidze 95 Gridnev 93 Chkhaidze 92	
¹⁷Ne C 21 – 22.36 Ozawa 94	²⁰Ne Cu 53.48 (102.7) Schroeter 94	Mg Pb 108 (283.5) Bobodjanov 91 > 1.2 · 10 ⁵ (> 6809) Apanasenko 94	
¹⁷Ne Al 22.78 Ozawa 94	²⁰Ne Br 13.54 (96.52) Dudkin 94 15.49 (97.44) Bogdanov 93	²⁶Mg p 22.43 – 40.82 (25.48 – 26.01) Chen 94	²⁸Si p 127 (30.41) Adamovich 95G 434.1 (38.69) Adamovich 95G
Ne p 82 (22.62) Ameeva 94	²⁰Ne Ag 13.54 (122.8) Dudkin 94 15.49 (123.7) Bogdanov 93	Si p 126 (30.44) Ameeva 94	²⁸Si nucleus 100.3 – 407 Adamovich 92E 126 Belaga 95D Sherif 95 Ahmad 94 Elnaghy 94 Jilany 94 Singh 94C Tariq 94 Ahmad 93 Ahmad 93C Ahmad 93E Elnaghy 93 Ahmad 92 Andreeva 92 Ahmad 91 Ahmad 91B Ahmad 91C Vokal 91
Ne nucleus 12.8 – 33.93 Dupieux 91 19 Dupieux 91 33.93 Muntz 95 79.82 Gulamov 95 82 Ameeva 94 82.68 – 90.87 Okonov 94 90 Bobodjanov 91	²⁰Ne Sn 44.7 – 53.27 (152.6 – 158.3) Schroeter 94	Si nucleus 126 Ameeva 94 Tauseef 92 Buschbeck 91 Adamovich 90B Gulyamov 92	127 Adamovich 95G 434.1 Adamovich 95G
Ne F1 19 – 29.28 (40.18 – 43.56) Poitou 92	²⁰Ne ¹⁹⁷Au 49.22 (231.8) Aumann 94 Aumann 93	Si Al 445.4 Gulyamov 92	
Ne Ne 90 (64.5) Besliu 93	²⁰Ne Bi 52.84 (245.1) Schroeter 94	Si Si 408.8 (148) Stocker 95 Abbott 94 Ahle 94 Barrette 94 Gonin 94 Hamagaki 94 Hayano 94 Kaufman 94 Kaufman 94C Lissauer 94C Barrette 93 Barrette 93B Barrette 93C Cole 92 Kaufman 92B Abbott 91	127 Adamovich 95G Andreeva 95B Adamovich 92D Jain 92B Jain 92C 406 Cecchini 93 Singh 91C 407 Adamovich 92B Adamovich 91 Adamovich 91C Stenlund 91 Adamovich 90C Bakh 91 408.8 Andreeva 95B 408.9 Jain 95 431.3 Mukhopadhyaya 95 Jain 94B Singh 94B Jain 93B Mukhopadhyaya 93 Mukhopadhyaya 93B Mukhopadhyaya 93D Golde 92 Jain 92F Jain 92G Singh 92B Jain 91B Jain 91C
Ne Na 19 – 29.28 (44.25 – 47.96) Poitou 92	²²Ne p 18.98 – 34.54 (21.75 – 22.28) Chen 94		
Ne Al 17.66 (47.76) Berg 91	²²Ne nucleus 90 Ameeva 92 90.2 Belaga 95D Belaga 95F Boos 95 Elnaghy 94 Zhumanov 94 Elnaghy 93 Andreeva 92 Bogdanov 91 Andreeva 95B		
Ne Cu 90 (121.4) Sarkisyan 93C	Na C 36.49 (39.11) Suzuki 95		
Ne Zr 90 (152.3) Besliu 93	²⁴Mg nucleus 108 Belaga 95D Elnadi 95E Elnaghy 94 Ghosh 94B Ghosh 94D Elsharkawy 93 Ghosh 93C Ghosh 93D Bondarenko 92 Bondarenko 91 Ghosh 91 Ghosh 94D	Si Cu 408.8 (229.5) Stocker 95 Abbott 94 Gonin 94 Hamagaki 94 Hayano 94 Barrette 93	
Ne Nb 12.8 – 33.93 (108.6 – 120.6) Dupieux 91 19 (111.7) Dupieux 91 19 – 29.28 (111.7 – 117.7) Montarou 93 Poitou 92		Si Pt 408.8 (427.3) Saito 94 Diebold 93	
Ne Pb 12.8 – 33.93 (215.4 – 229.3) Dupieux 91 19 (218) Dupieux 91 19 – 29.28 (218 – 225.9) Poitou 92 29.04 (225.7) Baldwin 92 29.28 (225.9) Poitou 92 57.81 (247.1) Zhang 93	²⁴Mg C 107.7 (55.55) Sampsonidis 95	Si Au 406 (428.5) Kaufman 95 408.8 (429.7) Cianciolo 95 Stocker 95 Wang 95 Abbott 94 Ahle 94 Gonin 94	
²⁰Ne p 13.54 (19.78) Dudkin 94 15.49 (19.83) Bogdanov 94 Bogdanov 93	²⁴Mg Al 107.7 (81.5) Sampsonidis 95		
²⁰Ne nucleus 12.24 – 14.08 Miller 93 13.54 Dudkin 94 15.49 Bogdanov 94 Bogdanov 93	²⁴Mg Cu 107.7 (130.5) Sampsonidis 95		
²⁰Ne C 13.54 (31.43) Dudkin 94 15.49 (31.85) Bogdanov 93			

Entries are in order of beam name, then target name, then beam momentum. Particle names are ordered as described in the legend on page 119 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 120. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are equivalent p_{lab} in GeV/c; then E_{cm} in GeV follows in parentheses. For certain initial states only E_{cm} (in parentheses) is given.

²⁸Si nucleus

²⁸Si nucleus	²⁸Si Au	S Cu	S U
5626 Adamovich 95G	Aoki 92B	6400 (872) Panagiotou 95	6400 (1699) Ferreira 92
²⁸Si C	Eiseman 92	Andersen 92	Lourenco 94
406.1 (99.55) Cumming 93B	Abbott 91B	Bachler 91	Guillaud 91
434.1 (102.6) Barrette 92	Odyniec 91	Albrecht 91Q	Peralta 91
²⁸Si Al	Schukraft 91	S Ag	6420 (1703) Tserruya 95
403.2 (147) Barrette 95	Bloomer 90	6390 (1139) Karabarbouni 91	Lourenco 93
405.2 (147.4) Barrette 91	434.1 (440.4) Kaufman 92	6400 (1139) Panagiotou 95	Ronceux 93
406.1 (147.5) Cumming 93B	445.3 (445) Aoki 92C	Roland 94	Ronceux 93B
408.8 (147) Barrette 95C	5626 (1449) Albrecht 92T	Andersen 92	
Barrette 95F	²⁸Si ¹⁸⁷Au	Alber 95	³²S p
Lissauer 94B	407 (430.6) Odyniec 91	Gunther 95	27.6 - 50.24 (31.07 - 31.61)
Ludlam 94	408.8 (430.9) Abbott 92D	Adamovich 93E	Chen 94
Sonnadara 94	Abbott 91C	Karabarbouni 92	6420 (113.8) Adamovich 95G
Abbott 92C	Abbott 91D	Karabarbouni 92C	
Aoki 92B	Betts 91	Albrecht 91Q	³²S nucleus
Duck 92B	²⁸Si Pb	S Wt	114.6 Elnadi 95D
Schukraft 91	403.2 (440.3) Barrette 95	6390 (1491) Vanhecke 91	227.9 Dabrowska 93C
434.1 (152.2) Fatyga 94	405.2 (441.2) Barrette 91	6400 (1491) Abatzis 95D	1940 - 6420 Sengupta 91
Barrette 92	He 91	Abatzis 95E	Adamovich 93F
Barrette 92B	408.8 (442.8) Barrette 95C	Masera 95	Adamovich 92B
Barrette 92C	Barrette 95F	Abatzis 94	Jain 92C
Kaufman 92	Eiseman 95B	Abatzis 94B	Adamovich 91
Aoki 92C	Lissauer 94B	Appelquist 94	Adamovich 91C
5626 (533) Albrecht 92T	Ludlam 94	Borer 94	Buschbeck 91
²⁸Si ²⁷Al	Sonnadara 94	Mazzoni 92	Schmitz 91
408.8 (148) Abbott 92D	Duck 92	Abatzis 91C	Stenlund 91
Abbott 91D	Duck 92B	Odyniec 91	Adamovich 90B
Betts 91	Price 91	S Pt	Adamovich 90C
Bloomer 90	431.3 (452.5) Fatyga 94	6400 (1536) Baur 94B	Ghosh 95
²⁸Si ²⁸Si	434.1 (453.7) Barrette 92	Baur 93	Cecchini 93
5.434 (52.44) Obserstedt 92	Barrette 92B	Tserruya 95	Adamovich 95F
408.8 (150.8) Adams 92F	²⁸Si ²⁰⁸Pb	6420 (1530)	Adamovich 95G
²⁸Si Cu	408.8 (443.8) Bloomer 90	S Au	Andreeva 95B
403.2 (228.1) Barrette 95	S nucleus	6390 (1544) Mitchell 94	Dabrowska 95B
405.2 (228.6) Barrette 91	6420 Gulyamov 92	6400 (1544) Karabarbouni 91	Mukhopadhyaya 95
He 91	Wilkes 91	Agakichiev 95	Singh 94B
406 (228.8) Cecchini 93	S C	Baur 95	Adamovich 93
408.8 (229.5) Barrette 95C	6420 (380.6) Albrecht 91Q	Ceretto 95	Dabrowska 93
Barrette 95F	S Al	Panagiotou 95	Jain 93B
Lissauer 94B	6420 (569.8) Albrecht 91Q	Tserruya 95	Mukhopadhyaya 93
Abbott 92C	S S	Albrecht 94C	Mukhopadhyaya 93B
Adams 92	6390 (619.7) Baechler 91	Albrecht 94E	Mukhopadhyaya 93D
Adams 92F	6400 (619.7) Karabarbouni 91	Albrecht 94H	Sengupta 93
Ahmad 92B	Boggild 96	Bachler 94B	Adamovich 92C
Aoki 92B	Abatzis 95	Bachler 94C	Adamovich 92D
Duck 92B	Abatzis 95C	Bachler 94	Golde 92
Odyniec 91	Alvarezdelar 95	Bachler 92	Jain 92E
Schukraft 91	Andersen 95	Bachler 92	Jain 92G
Bloomer 90	Boggild 95D	Bachler 94C	Baroni 91
Price 91	Panagiotou 95	Fialkowski 94	Jacob 91
431.3 (235.2) Fatyga 94	Abatzis 94C	Gazdzcki 94	Jain 91
434.1 (235.9) Barrette 92	Albrecht 94C	Roland 94	Jain 91B
Barrette 92B	Albrecht 94H	Wosiek 94	Jain 91C
Barrette 92C	Bachler 94	Baur 93	Jain 91D
Kaufman 92	Bachler 94C	Bachler 92	Jain 91E
445.3 (238.7) Aoki 92C	Boggild 94	Boisgard 91	Otterlund 91
5626 (818.7) Albrecht 92T	Fialkowski 94	Aggarwal 95	Sengupta 91
²⁸Si ⁶⁴Cu	Gazdzcki 94	Alber 95	³²S C
408.8 (230.4) Bloomer 90	Roland 94	Albrecht 95F	143.6 (65.53) Sampsonidis 95
²⁸Si Ag	Sollfrank 94	Gunther 95	³²S Al
408.8 (305.1) Schukraft 91	Wosiek 94	Slegt 95	143.6 (94.29) Sampsonidis 95
5626 (1068) Albrecht 92T	Bachler 93	Tserruya 95	6390 (568.5) Akesson 90E
²⁸Si Sn	Bachler 92	Viyogi 94	6400 (568.5) Eklund 91
403.2 (319.8) Barrette 95	Bachler 91	Adamovich 93E	6420 (569.8) Awes 95
408.8 (321.7) Barrette 95C	Odyniec 91	Gulyamov 92	Albrecht 92U
Barrette 95F	Schukraft 91	Karabarbouni 92	Eklund 92
Sonnadara 94	Alber 95	Karabarbouni 92C	Kampert 92
434.1 (330.3) Barrette 92	Albrecht 95F	Albrecht 91Q	Vane 92
²⁸Si Au	Boggild 94	S Pb	Schukraft 91
408.8 (429.7) Akiba 93	6420 (621.1) Alber 95	6400 (1584) Boggild 96	³²S S
Abbott 92C	Albrecht 95C	Alvarezdelar 95	6400 (619.7) Alber 95C
Adams 92	Gunther 95	Andersen 95	Alber 94
Adams 92F	Viyogi 94	Boggild 95D	Andersen 94C
Ahmad 92B	Karabarbouni 92	Boggild 94	Kampert 94
	Karabarbouni 92B	Andersen 92	Panagiotou 94
	Polychronako 92	Boggild 95	Andersen 93
		Boggild 95B	Andersen 92B
		Boggild 95C	Bachler 92B
		Iyono 92	Bachler 91B
		Polychronako 92	Bloomer 92
		S U	Jacob 91
		6390 (1699) Lourenco 95	Odyniec 91B
			Schukraft 91

³²S ³²S

⁵⁶Fe Th

³²S ³²S		³²S Au	Ar Na	⁴⁰Ar ¹⁰³Rh
6390 (619.1) Baechler 91B 6420 (620.6) Teitelbaum 92		6420 (1547) Eklund 91 Awes 95 Albrecht 92U Bloomer 92 Eklund 92 Kampert 92 Vane 92 Odyniec 91B	37.48 – 47.84 (64.06 – 66.61) Poitou 92	9.036 – 11.59 Morjean 91
³²S Cu		³²S Pb	Ar Ca	⁴⁰Ar Ag
143.6 (147.5) Sampsonidis 95 Alber 95C Cecchini 93 Bachler 91B Eklund 91 Albrecht 92U Eklund 92 Kampert 92		143.6 (307.8) Sampsonidis 95 6390 (1584) Akesson 90E 6400 (1584) Andersen 94 Andersen 94C Beker 94B Beker 94C Boggild 94B Hafidouni 94 Andersen 93 Beker 93 Andersen 92B Andersen 92C Boggild 92 Baglin 91 Odyniec 91B Schukraft 91 Takahashi 91	25.33 – 66.51 (78.36 – 92.03) Dupieux 91 37.48 (81.99) Dupieux 91 57.41 (88.81) Dupieux 91 66.51 (92.03) Schwalb 94 Berg 91 66.51 – 88.18 (92.03 – 99.63) Berg 94	30.36 (145.4) Dudkin 94 Bogdanov 93
³²S ⁹⁶Mo		³²S U	Ar Nb	⁴⁰Ar La
3.281 (119.4) Herrick 95		6390 (1699) Baglin 92B Abreu 91E Akesson 90E Baglin 95 Baglin 95B Baglin 94 Baglin 91D Baglin 91E Abreu 92M Baglin 91B Baglin 91C Jacob 91 Odyniec 91B Schukraft 91	25.33 – 66.51 (129.1 – 148.5) Dupieux 91 37.48 (134.2) Dupieux 91 37.48 – 47.84 (134.2 – 139.2) Poitou 92	102.7 (215.4) Christie 91
³²S ¹⁰⁰Mo		³⁶Ar p	Ar La	⁴⁰Ar ¹⁹⁷Au
3.281 (123.1) Herrick 95		31.05 – 56.52 (34.7 – 35.33) Chen 94	100.8 (214.3) Christie 92	9.036 – 11.59 (222.5 – 223.1) Morjean 91 9.532 (222.6) Milkau 91 27.08 (228.8) Milkau 91
³²S Pd		³⁶Ar nucleus	Ar Pb	⁴⁰Ar ²³⁸U
6420 (1134) Vane 92		12.74 Barz 92	25.33 – 66.51 (236.7 – 260.9) Dupieux 91 37.48 (242.9) Jiang 92 Dupieux 91 37.48 – 47.84 (242.9 – 249.1) Poitou 92 37.48 – 100.8 (242.9 – 283) Beavis 92 57.41 (255) Dupieux 91 57.41 – 100.8 (255 – 283) Beavis 92 100.8 (283) Zhang 93	102.7 (314.6) Deboer 91
³²S Ag		³⁶Ar ²⁷Al	Ar La	Ca Ca
7.626 (131) Wada 92 Wada 92B Sampsonidis 95 6390 (1139) Akesson 90E 6400 (1139) Alber 95C Alber 94 Panagiotou 94 Bachler 91B Eklund 91 Aoki 95 Albrecht 92U Eklund 92 Kampert 92 Odyniec 91B Schukraft 91		11.69 – 15.53 (59.52 – 60.13) Buta 95 15.53 (60.13) Badala 96 Badala 95	100.8 (214.3) Christie 92	67.73 (92.53) Huang 91 67.73 – 113.3 (92.53 – 108.2) Seidl 91
³²S Wt		³⁶Ar ⁴⁸Ti	Ar Pb	⁴⁰Ca p
6390 (1491) Akesson 90E 6400 (1491) Abatzis 95B Mazzoni 94 Abatzis 93 Abatzis 92 Evans 92 Goerlach 92 Abatzis 91 Abatzis 91B Kinson 91 Odyniec 91 Schukraft 91 Abatzis 90B Aoki 95 Tserruya 95 Akesson 92 Akesson 91 Jacob 91 Odyniec 91 Odyniec 91B Schukraft 91		15.27 (80.11) Julien 91	25.33 – 66.51 (236.7 – 260.9) Dupieux 91 37.48 (242.9) Jiang 92 Dupieux 91 37.48 – 47.84 (242.9 – 249.1) Poitou 92 37.48 – 100.8 (242.9 – 283) Beavis 92 57.41 (255) Dupieux 91 57.41 – 100.8 (255 – 283) Beavis 92 100.8 (283) Zhang 93	34.5 – 62.7 (38.53 – 39.07) Chen 94
³²S Pt		³⁶Ar ⁵⁸Ni	⁴⁰Ar p	⁵²Cr p
6390 (1536) Akesson 90E 6420 (1530) Tserruya 95 Schukraft 91		15.53 (89.64) Badala 96	30.36 (38.46) Bogdanov 94 Dudkin 94 Bogdanov 93 34.5 – 62.7 (38.53 – 39.07) Chen 94	44.33 – 80.56 Chen 94
³²S Au		³⁶Ar nucleus	⁴⁰Ar nucleus	⁵⁶Fe p
6390 (1544) Adamovich 93F Adamovich 92B Adamovich 91 Stenlund 91 Adamovich 90C Albrecht 96 Alber 95C Albrecht 95I Baglin 95 Alber 94 Albrecht 94D Irmischer 94 Kampert 94 Panagiotou 94 Kampert 93 Bachler 91B		12.74 Barz 92	30.36 (38.46) Bogdanov 94 Dudkin 94 Bogdanov 93 34.5 – 62.7 (38.53 – 39.07) Chen 94	59.39 (53.58) Bogdanov 94 Dudkin 94 Bogdanov 93 Ameeva 94 140 (54.79)
		³⁶Ar ¹¹²Sn	⁴⁰Ar C	⁵⁶Fe nucleus
		15.53 (140.4) Badala 96	30.36 (50.88) Dudkin 94 Bogdanov 93	59.39 Bogdanov 94 Dudkin 94 Bogdanov 93 137.8 140 143.8 148.6 149.7 161.6 Jain 94B Belaga 95F Ameeva 94 Dudkin 91 Fukshima 91 Belaga 95D Jain 93D
		³⁶Ar ¹⁹⁷Au	⁴⁰Ar Nit	⁵⁶Fe C
		11.13 – 16.77 (219.4 – 221.2) Phair 92 15.53 (220.7) Badala 96	30.36 (53.03) Dudkin 94 Bogdanov 93	59.39 (67.93) Dudkin 94 Bogdanov 93
		Ar nucleus	⁴⁰Ar O	⁵⁶Fe Nit
		11.43 Batkin 91 100.8 Christie 92	30.36 (55.16) Dudkin 94 Bogdanov 93	59.39 (70.38) Dudkin 94 Bogdanov 93
		Ar C	⁴⁰Ar Al	⁵⁶Fe O
		94.4 (61.5) Brady 94	9.204 – 16.28 (62.84 – 63.75) Shen 93	59.39 (72.7) Dudkin 94 Bogdanov 93
		Ar Fl	⁴⁰Ar Cl	⁵⁶Fe Fe
		37.48 – 47.84 (59.73 – 61.99) Poitou 92	102.7 (101.9) Christie 91	137.8 (144.1) Chacon 91
			⁴⁰Ar KK	⁵⁶Fe Br
			102.7 (92.33) Christie 91	59.39 (141.5) Dudkin 94 Bogdanov 93
			⁴⁰Ar ⁴⁰Ca	⁵⁶Fe Ag
			6.714 (74.82) Obserstedt 92	59.39 (169.4) Dudkin 94 Bogdanov 93
			⁴⁰Ar ⁴⁵Sc	⁵⁶Fe Ta
			6.714 – 19.08 (79.48 – 81.56) Llope 95	2.8 – 5.6 (220.8 – 220.9) Sangster 95
			⁴⁰Ar Br	⁵⁶Fe Au
			30.36 (118.7) Dudkin 94 Bogdanov 93	2.8 – 5.6 (235.7 – 235.9) Sangster 95
				⁵⁶Fe Th
				2.8 – 5.6 (268.4 – 268.5) Sangster 95

Entries are in order of beam name, then target name, then beam momentum. Particle names are ordered as described in the legend on page 119 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 120. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are equivalent p_{lab} in GeV/c; then E_{cm} in GeV follows in parentheses. For certain initial states only E_{cm} (in parentheses) is given.

⁵⁸ Ni p	Kr nucleus	Ag Pb	¹³⁹ La La
50.03 - 91.06 (55.2 - 55.84) Chen 94	87.25 - 184.2 Nilsen 94 116.2 Ghosh 94B	109.5 - 240.9 (323.6 - 384.8) Nilsen 95	275.7 (335.2) Bossy 91
⁵⁸ Ni Be	Kr Be	1231 (723.9) Nilsen 94	¹³⁹ La Pb
74.13 (67.3) Blank 94	90.56 (90.39) Weber 92	Xe La	266.5 (410.4) Christie 93B
⁵⁸ Ni ⁵⁸ Ni	Kr C	251.3 (322.5) Christie 92 336.6 (352.7) Christie 91	¹³⁹ La ²³⁸ U
98.04 (133.9) Ritman 95	87.25 - 184.2 (94.01 - 103.4) Nilsen 94	¹²⁹ Xe ²⁷ Al	281.9 (451.1) Deboer 91
⁵⁸ Ni Ni	Kr Al	186.8 (161.2) Summerer 95	La C
140.3 - 152 (149.5 - 153.5) Schroeter 94	87.25 - 184.2 (112.3 - 129.5) Nilsen 94	¹²⁹ Xe Cu	265.1 (153.2) Brady 94
Ni Cu	Kr Cu	37.7 (180.4) Bruno 94	La La
161.7 (163.4) Justice 95	87.25 - 184.2 (153.2 - 182.4) Nilsen 94	¹²⁹ Xe ¹³⁹ La	194.8 (306.6) Dardenne 94 265.1 (331.4) Christie 93
⁶⁴ Zn ⁴⁸ Ti	Kr Zr	28.03 - 41.8 (250.4 - 252.4) Llope 95	Ho C
16.35 - 24.85 Buta 95	140.9 (201.7) Schwalb 94	¹²⁹ Xe ¹⁹⁷ Au	275.6 (175.5) Westphal 91
⁶⁴ Zn ⁵⁸ Ni	Kr Sn	37.37 (307) Mayer 92	Ho Cu
16.35 - 24.85 Buta 95	87.25 - 184.2 (210.2 - 250.1) Nilsen 94	¹³¹ Xe nucleus	275.6 (253.9) Westphal 91
⁷⁸ Kr ⁵⁸ Ni	Kr Pb	254.1 Jain 93C Singh 92	Ho Ag
29.52 Pfaff 96	87.25 - 184.2 (297.6 - 347.2) Nilsen 94	¹³² Xe p	275.6 (311.6) Westphal 91
⁸⁴ Kr p	⁸⁶ Kr ⁹ Be	45.51 (123.8) Basova 95B	Ho Sn
85.6 - 188.7 (79.63 - 80.66) Nilsen 95	93.48 Weber 94	¹³² Xe nucleus	275.6 (324.9) Westphal 91
⁸⁴ Kr nucleus	⁸⁶ Kr Cu	45.51 Basova 95B 222.1 Basova 95	Ho Pb
190.5 Jain 94B Jain 93C Jain 93D	93.48 Weber 94	¹³⁶ Xe Be	275.6 (427.4) Westphal 91
⁸⁴ Kr ⁷ Li	⁸⁶ Kr Zr	198.5 (141.7) Hanelt 93	Au p
28.53 (85.15) Perrin 92	145.5 Berg 94	¹³⁶ Xe C	299.1 - 333.3 (185.3 - 185.4) Rusch 94 Stocker 95 Waddington 94
⁸⁴ Kr C	⁸⁶ Kr Ta	182.2 (145.4) Schmidt 93B	Ho U
85.6 - 188.7 (94.04 - 104) Nilsen 95	93.48 Weber 94	¹³⁶ Xe Pb	275.6 (461.2) Westphal 91
⁸⁴ Kr Al	⁸⁶ Kr ¹⁹⁷ Au	182.2 (372.8) Schmidt 93B	Au nucleus
85.6 - 188.7 (112.2 - 130.5) Nilsen 95	145.5 Aumann 94 Aumann 93	¹³⁹ La p	2080 Stocker 95 Waddington 94
⁸⁴ Kr ²⁷ Al	Nb C	266.5 (131.6) Christie 93B	2264 Cherry 95 Cherry 94 Cherry 94B Nilsen 94
28.53 (104.6) Perrin 92	222.1 (113.8) Brady 94	¹³⁹ La nucleus	2285 Adamovich 95D Adamovich 95E Adamovich 95F Adamovich 95I Adamovich 94C Otterlund 93
⁸⁴ Kr ⁵⁹ Co	Nb Nb	250 Palsania 91 266.5 Gill 91	
53.96 (139) Donzaud 95	87.89 (190.6) Elaasar 94 161.4 (216) Beedoe 93 211.2 (233.4) Chacon 91	¹³⁹ La C	
⁸⁴ Kr Cu	Ag p	266.5 (153.4) Christie 93B	
85.6 - 188.7 (152.9 - 183.9) Nilsen 95	109.5 - 240.9 (101.9 - 102.9) Nilsen 95	¹³⁹ La ¹² C	Au C
⁸⁴ Kr ⁹³ Nb	1231 (111.4) Nilsen 94	35.83 - 38.35 (141.1 - 141.1) Rousselchoma 93	239.5 (201.3) Begemannblai 93 Kreutz 93 Hubele 91
21.65 - 32.03 (166.7 - 168.5) Llope 95	Ag nucleus	35.83 - 45.15 (141.1 - 141.3) Rousselchoma 93	299.1 - 333.3 (204.1 - 205.7) Rusch 94
⁸⁴ Kr ¹⁰⁸ Ag	Ag Li	42.99 - 61.59 (141.2 - 141.8) Bowman 91	333.3 (205.7) Brady 94 Gilkes 94
28.53 (181.7) Perrin 92	109.5 - 240.9 (109.8 - 116.2) Nilsen 95	198.8 (148) Hashimoto 94	2080 (283.7) Stocker 95 Waddington 94
⁸⁴ Kr Sn	1231 (161.6) Nilsen 94	¹³⁹ La ²⁷ Al	2264 (290.9) Nilsen 94
85.6 - 188.7 (209.8 - 252) Nilsen 95	Ag C	35.83 - 45.15 (155.4 - 155.9) Rousselchoma 93	
⁸⁴ Kr ¹⁹⁷ Au	109.5 - 240.9 (116.4 - 126.7) Nilsen 95	¹³⁹ La ⁴⁰ Ca	Au Al
21.65 - 30.8 (264.6 - 266.7) Peaslee 94	1231 (194.5) Nilsen 94	35.83 - 38.35 (167.8 - 167) Rousselchoma 93	239.5 (222.4) Begemannblai 93 Kreutz 93 Hubele 91
24.05 (265.1) Stuttgarte 92	Ag Al	¹³⁹ La ⁵¹ Va	2128 (376.3) Barrette 95B Voloshin 95
28.53 (266.1) Perrin 92	109.5 - 240.9 (134.9 - 154.4) Nilsen 95	35.83 - 45.15 (178.3 - 179.1) Rousselchoma 93	2167 (378) Beavis 95
37.22 - 79.92 (268.4 - 285.2) Peaslee 94	1231 (269.8) Nilsen 94	¹³⁹ La Cu	2264 (385.3) Nilsen 94
53.96 (274.1) Donzaud 95	Ag Cu	35.83 - 45.15 (190.2 - 191.1) Rousselchoma 93	Au Cu
⁸⁴ Kr Pb	109.5 - 240.9 (176.6 - 210.9) Nilsen 95	38.35 - 42.99 (190.4 - 190.9) Rousselchoma 93	239.5 (269) Begemannblai 93 Kreutz 93 Hubele 91
85.6 - 188.7 (296.9 - 349.6) Nilsen 95	1231 (399.7) Nilsen 94	¹³⁹ La ¹³⁹ La	2080 (533.3) Stocker 95 Waddington 94
Kr p	Ag Sn	85.06 - 97.84 (271.4 - 274.9) Miller 93	2128 (538.5) Barrette 95B Voloshin 95
87.25 - 184.2 (79.46 - 80.43) Nilsen 94	109.5 - 240.9 (234.9 - 282.9) Nilsen 95	198.8 (308.2) Hashimoto 94	2167 (542.8) Beavis 95
	1231 (543.4) Nilsen 94		2264 (553.3) Nilsen 94

Au Ag

 ^{238}U ^{248}Cm

Au Ag	^{197}Au nucleus	Pb Pb	^{238}U ^{110}Pd
2285 (710.3) Stocker 95 Adamovich 94 Adamovich 94B Otterlund 93	Geer 95 Jain 95 Mukhopadhyaya 95 Jain 94 Jain 94B Singh 94 Singh 94B Adamovich 95H	Boggild 95C Vassiliadis 95	24.99 (324.5) Tsertos 91B
Au Sn		^{208}Pb Cu	^{238}U Ag
2264 (740.4) Nilsen 94		351.9 (297.7) Clerc 95	116.1 (330) Justice 94
Au Pt	2474	^{208}Pb Pb	^{238}U In
2128 (918.1) Rusek 95 2266 (944.9) Saito 94 Diebold 93	^{197}Au C	$3.306 \cdot 10^4$ (3583) Alber 95D	289.3 - 402.7 (372.2 - 398.6) Rubehn 96 Rubehn 95
Au Au	240.7 (202.2) Botvina 95 2157 (287.3) Hirzebruch 95 2240 (290.9) He 93 2276 (291.9) Geer 95 2435 (297.9) He 94	^{208}Pb ^{208}Pb	^{238}U ^{181}Ta
42.7 (369.4) Petrovici 95 71.75 (373.6) Venema 93 87.27 - 143.2 (376.7 - 390.8) Poggi 95 87.27 - 187.4 (376.7 - 404.4) Dzelalija 95 Kotte 95 87.27 - 251.8 (376.7 - 426.2) Zhang 95C 87.27 - 333.3 (376.7 - 454.9) Kunde 95 104.3 (380.5) Alard 92 108.2 (381.4) Dzelalija 95 108.2 - 287.5 (381.4 - 438.7) Kuhn 93 143.2 (390.8) Petrovici 95 143.2 - 366.7 (390.8 - 466.7) Lisa 95 Partlan 95 239.5 (421.9) Pochodzalla 95 Begemannblai 93 333.3 (454.9) Muntz 95 Miskowicz 94 Schwalb 94 366.7 (466.7) Wang 95D 2128 (922.5) Barrette 95B Barrette 95E Beavis 95B Miskowicz 95 Voloshin 95 Zhang 95B 2167 (930.2) Beavis 95 Beavis 95C Shigaki 95 2246 (945.6) Stocker 95 Barrette 94 Barrette 94D Hayano 94 2285 (953.2) Ashktorad 95 Stocker 95 Adamovich 94 Adamovich 94B Adamovich 94C Ahle 94 Gonin 94 Hamagaki 94 Otterlund 93 2305 (956) Stocker 95 Kaufman 94B	^{197}Au Al	^{208}Pb ^{232}Th	24.76 - 25.83 (390.9 - 390.9) Ahmad 95B 24.93 - 25.99 (390.9 - 390) Bokemeyer 91 24.99 (390.9) Tsertos 91B 25.83 (390.9) Bokemeyer 91
	^{197}Au Fe	^{208}Pb ^{238}U	^{238}U Au
	2240 (521.1) He 93 2435 (539.2) He 94	92.16 - 351.9 (426.4 - 514.6) Polikanov 94	289.3 - 402.7 (465.4 - 501.5) Rubehn 96 Rubehn 95
	^{197}Au Cu	^{209}Bi ^{197}Au	^{238}U ^{197}Au
	240.7 (270.9) Botvina 95 2157 (541) Hirzebruch 95 2240 (552) He 93 2276 (554.8) Geer 95 2435 (571.4) He 94	353.6 (469.8) Aumann 94 Aumann 93	24.99 (406.7) Tsertos 91B 391.8 (499.1) Hill 91
	^{197}Au Ag	^{208}Bi ^{208}Pb	^{238}U Pb
	2157 (692.1) Hirzebruch 95	353.6 (481.5) Kuhn 94	289.3 - 375.3 (476.6 - 504.6) Aumann 95
	^{197}Au Sn	Bi Pb	^{238}U ^{208}Pb
	2240 (738.5) He 93 2276 (742.3) Geer 95 2435 (765.6) He 94	76.06 (394.7) Kugler 94	24.99 (416.1) Bokemeyer 91
	^{197}Au Au	^{232}Th ^{181}Ta	^{238}U ^{232}Th
	2257 (947) Barrette 93B	24.36 (385.3) Bokemeyer 91	24.74 - 25 (438.5 - 438.5) Ahmad 95B 24.76 - 25.83 (438.5 - 438.5) Ahmad 95B 24.91 - 24.99 (438.5 - 438.5) Bokemeyer 91 24.99 (438.5) Bokemeyer 91 Tsertos 91B
	^{197}Au ^{197}Au	^{232}Th ^{232}Th	^{238}U ^{238}U
	12.15 (368.9) Ramillien 95 87.7 - 188.3 (378.5 - 406.4) Tsang 93 121.1 - 139.3 (386.4 - 391.3) Miller 93 188.3 (406.4) Leifels 93 188.3 - 288 (406.4 - 440.8) Lambrecht 94 334 (457.1) Aumann 94 Berg 94 Aumann 93 Brill 93	24.36 (432.9) Bokemeyer 91	24.78 (444.1) Bokemeyer 91 24.99 (444.1) Bokemeyer 91 24.99 - 25.62 (444.1 - 444.1) Tsertos 91B
Au Pb	^{197}Au Pb	^{232}Th ^{238}U	^{238}U U
239.5 (432.9) Begemannblai 93 Kreutz 93 299.1 - 333.3 (454.3 - 466.7) Rusch 94 2080 (936.5) Stocker 95 Waddington 94 2264 (973.6) Nilsen 94	240.7 (433.9) Botvina 95 2157 (952.2) Hirzebruch 95 2240 (970.9) He 93 2257 (972.3) Barrette 93B 2276 (976) Geer 95 2435 (1007) He 94 He 93B	24.36 (438.5) Bokemeyer 91	116.1 (457.5) Justice 94 289.3 - 402.7 (509.9 - 549.7) Rubehn 96 Rubehn 95
Au U	Pb Pb	^{232}Th ^{248}Cm	^{238}U ^{248}Cm
2128 (1015) Barrette 95B Voloshin 95	$3.264 \cdot 10^4$ (3560) Appelquist 95	24.36 Bokemeyer 91	24.99 Bokemeyer 91
^{197}Au p	$3.271 \cdot 10^4$ (3564) Boggild 96	^{238}U nucleus	
2157 (195) Hirzebruch 95 2276 (195.6) Geer 95	$3.28 \cdot 10^4$ (3574) Adamovich 95E Margetis 95	386.3 Jain 92 Singh 92 Jain 94B Jain 93 Jain 93C Jain 93D	
^{197}Au nucleus	$3.331 \cdot 10^4$ (3596) Alber 95 Boggild 95	^{238}U Be	
330.4 Dreute 91 Lewenkopf 91 2276 Cherry 96		289.3 - 402.7 (235.2 - 238.6) Rubehn 96 Rubehn 95	
		^{238}U ^9Be	
		116.1 (231.1) Justice 94	
		^{238}U C	
		289.3 - 402.7 (239.7 - 244.1) Rubehn 96 Rubehn 95	
		^{238}U Al	
		289.3 - 375.3 (260 - 267.8) Aumann 95	
		289.3 - 402.7 (260 - 269) Rubehn 96 Rubehn 95	
		^{238}U ^{27}Al	
		116.1 (249.7) Justice 94	
		^{238}U Cu	
		116.1 (286.9) Justice 94 289.3 - 375.3 (309.5 - 322.9) Aumann 95	
		289.3 - 402.7 (309.5 - 327.2) Rubehn 96 Rubehn 95	
		389.1 (325.1) Clerc 95	

Entries are in order of beam name, then target name, then beam momentum. Particle names are ordered as described in the legend on page 119 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 120. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are equivalent p_{lab} in GeV/c; then E_{cm} in GeV follows in parentheses. For certain initial states only E_{cm} (in parentheses) is given.

This index lists papers by entire reactions: beam, target, final state, and momentum. There are three kinds of "reactions" in the data base: particle fluxes, particle decays, and collisions of two particles. Fluxes go first here, then collisions. Decays are indexed in the Particle/Decay Index.

In each class the ordering is by beam particle name, then by target particle name. For a given beam and target, reactions are further divided into two classes, inclusive and exclusive, with inclusive first. In each inclusive or exclusive sample, ordering is by the final state multiplicity with separation of semileptonic from nonleptonic final states, with semileptonic first. Reactions are further ordered by names of the final state particles, taking into account the weak and strong isospin multiplet structures.

Particle names follow the ordering in the Particle Vocabulary of this compilation. The particle ordering is: gauge bosons, leptons, mesons, baryons, atoms, and nuclei, and within each group the ordering is mainly by increasing mass. However, within mesons and baryons, ordering is nonstrange, strange, charmed, bottom To simplify searching in this Index, a short "Table of Contents" of the full Index comes first.

The beam momentum is the equivalent lab momentum in GeV/c. For most colliding beam experiments and for reactions above 2 TeV/c equivalent lab momentum, we give instead the c.m. energy E_{cm} , in GeV. C.m. energies are enclosed in parentheses. For a given beam momentum, papers are ordered by year (most recent first), then first author name.

When a range of momenta were studied, we list the range, e.g. "50 - 70," ordered by the lower end. For some experiments, such as neutrino experiments, the listed range is only approximate.

A question mark means that information is unknown, usually because it was not given in the paper.

Illustrative Key

Initial State of the Reaction: see the *Particle Vocabulary* for nomenclature.

Final State of the Reaction: see the *Particle Vocabulary* for nomenclature.

Document ID: see the *ID/Reference/Title Index* for the full reference.

Lab Momentum: in GeV/c or (in parentheses) the c.m. energy E_{cm} , in GeV.

Data Descriptor: brief description of the data measured; see the *Data Descriptor Vocabulary* for nomenclature.

γp			
J/ψ X	80 - 190	Sokoloff 86	cs
D^\pm X	20	Butler 86	-
D_s^- X	100 - 260	Anjos 89B	cs
D_s^+ X	100 - 260	Anjos 89B Anjos 87C	cs -
$D^*(2010)^0$ X	20	Abe 86	cs
$\bar{D}^*(2010)^0$ X	20	Abe 86	cs
$D^*(2010)^+$ X	20 (40 - 160)	Abe 86 Sliwa 83	cs
			angp, cs, pt
$D^*(2010)^-$ X	20	Abe 86	cs

This is a short "Table of Contents" of the full Reaction/Momentum/Data-Descriptor Index

γ	164	γ Ta	173	$e^- e^-$	180	$\mu^+ n$	209
axion	164	γ ^{181}Ta	174	e^- nucleon	180	μ^+ nucleus	209
graviton	164	γ ^{184}Wt	174	$e^- p$	180	μ^+ deuteron	209
ν	164	γ Au	174	$e^- n$	183	μ^+ He	210
ν_e	164	γ Pb	174	e^- nucleus	183	μ^+ Li	210
$\bar{\nu}_e$	164	γ ^{208}Pb	174	e^- deuteron	183	μ^+ ^6Li	210
ν_μ	164	γ ^{209}Bi	174	e^- ^3H	183	μ^+ Be	210
$\bar{\nu}_\mu$	164	γ ^{232}Th	174	e^- ^3He	183	μ^+ C	210
e^\pm	164	γ ^{235}U	174	e^- ^4He	183	μ^+ ^{12}C	211
e^-	164	γ ^{238}U	174	e^- He	183	μ^+ Nit	211
e^+	164	γ ^{237}Np	174	e^- ^6Li	183	μ^+ Al	211
μ^\pm	164	γ ^{239}Pu	174	e^- Be	183	μ^+ Ca	211
μ^-	164	γ ^{243}Am	174	e^- ^9Be	183	μ^+ ^{40}Ca	211
μ^+	165	γ crystal	174	e^- ^{11}Bor	183	μ^+ Fe	211
heavy- ν	165	$\gamma^* \gamma^*$	174	e^- C	183	μ^+ Cu	211
q	165	γ^* nucleon	175	e^- ^{12}C	183	μ^+ Sn	211
neutralino	165	$\gamma^* p$	175	e^- ^{16}O	184	μ^+ Xe	211
dark	165	gluon q	175	e^- Al	184	μ^+ Pb	211
monopole	165	$H^0 p$	175	e^- ^{27}Al	184	$q q$	212
unspec	165	H^0 C	175	e^- ^{30}Si	184	$q \bar{q}$	212
charged	165	axion γ^*	175	e^- ^{31}Ph	184	dark nucleus	212
hadron	165	axion p	175	e^- ^{32}S	184	dark ^{16}O	212
hadron 0	165	axion C	175	e^- ^{40}Ar	184	dark ^{27}Al	212
charged-hadron	165	νe^-	175	e^- Ca	184	dark ^{28}Si	212
nucleon	165	ν nucleus	175	e^- ^{40}Ca	184	dark ^{39}KK	212
p	165	ν deuteron	175	e^- ^{50}Cr	184	unspec nucleus	212
n	165	ν ^{11}Bor	175	e^- ^{55}Fe	184	hadron p	212
\bar{p}	165	ν Fe	175	e^- ^{56}Fe	184	hadron nucleus	212
strangelet	165	$\bar{\nu}$ deuteron	175	e^- Fe	184	hadron Mg	212
nucleus	165	$\bar{\nu}$ Fe	175	e^- ^{58}Ni	184	hadron Ag	212
deuteron	165	$\nu_e e^-$	175	e^- Cu	184	hadron Au	212
^3He	165	ν_e nucleon	175	e^- ^{64}Zn	184	hadron Pb	212
^4He	165	$\nu_e n$	175	e^- ^{71}Ge	184	hadron $^+$ p	212
He	165	ν_e nucleus	175	e^- ^{78}Kr	184	hadron $^+$ nucleus	212
Fe	165	ν_e deuteron	175	e^- ^{84}Sr	184	hadron $^-$ p	212
$\gamma \gamma$	165	ν_e ^{11}Bor	175	e^- ^{92}Mo	184	hadron $^+$ p	212
$\gamma \gamma^*$	167	ν_e ^{12}C	175	e^- ^{96}Ru	184	meson $^+$ Al	212
γe^-	167	ν_e ^{37}Cl	175	e^- Ag	184	meson $^+$ Au	212
γ nucleon	167	ν_e ^{40}Ar	175	e^- ^{106}Cd	184	$\pi^\pm p$	212
γp	167	ν_e ^{71}Ga	175	e^- ^{112}Sn	184	π^\pm nucleus	212
γn	169	$\bar{\nu}_e e^-$	176	e^- ^{120}Te	184	π^\pm deuteron	213
γ muonium	169	$\bar{\nu}_e$ nucleon	176	e^- ^{124}Xe	184	π^\pm Be	213
2γ H(atom)	169	$\bar{\nu}_e p$	176	e^- ^{130}Ba	184	π^\pm C	213
γ H(atom) *	169	$\bar{\nu}_e$ deuteron	176	e^- ^{139}Ce	184	π^\pm Al	213
2γ ^2H (atom)	169	$\nu_\mu e^-$	176	e^- Wt	184	π^\pm Ti	213
γ Tl(atom)	169	$\nu_\mu q$	176	e^- ^{184}Os	184	π^\pm Fe	213
γ Pb(atom)	169	ν_μ nucleon	176	e^- ^{190}Pt	184	π^\pm Cu	213
γ nucleus	169	$\nu_\mu p$	176	e^- Au	184	π^\pm Pb	213
γ deuteron	169	$\nu_\mu n$	177	e^- ^{197}Au	184	$\pi^+ \pi^-$	213
γ ^3He	170	ν_μ nucleus	177	e^- ^{208}Pb	184	π^+ nucleon	213
γ ^4He	170	ν_μ deuteron	177	e^- crystal	184	$\pi^+ p$	213
γ Li	170	ν_μ ^{12}C	178	$e^+ \gamma$	184	$\pi^+ n$	215
γ ^6Li	170	ν_μ Ne	178	$e^+ e^-$	184	$\pi^+ \Delta(1232 P_{33})^{++}$	215
γ ^7Li	170	ν_μ Al	178	$e^+ p$	208	π^+ nucleus	215
γ Be	170	ν_μ Fe	178	e^+ nucleus	208	π^+ deuteron	215
γ ^9Be	172	$\bar{\nu}_\mu e^-$	178	e^+ Th	208	$\pi^+ ^3\text{H}$	215
γ C	172	$\bar{\nu}_\mu q$	178	μ^\pm Fe	208	$\pi^+ ^3\text{He}$	215
γ ^{12}C	172	$\bar{\nu}_\mu$ nucleon	178	$\mu^- p$	208	$\pi^+ ^4\text{He}$	215
γ ^{13}C	172	$\bar{\nu}_\mu p$	178	μ^- nucleus	208	π^+ He	215
γ ^{14}Nit	172	$\bar{\nu}_\mu n$	179	μ^- ^3He	208	π^+ Li	215
γ ^{15}Nit	172	$\bar{\nu}_\mu$ nucleus	179	μ^- C	208	$\pi^+ ^6\text{Li}$	216
γ O	172	$\bar{\nu}_\mu$ deuteron	179	μ^- ^{12}C	208	$\pi^+ ^7\text{Li}$	216
γ ^{16}O	172	$\bar{\nu}_\mu$ ^{12}C	179	μ^- ^{16}O	208	π^+ Be	216
γ Al	172	$\bar{\nu}_\mu$ Ne	179	μ^- ^{27}Al	208	$\pi^+ ^9\text{Be}$	216
γ ^{27}Al	173	$\bar{\nu}_\mu$ Al	180	μ^- ^{28}Si	208	π^+ Bor	216
γ Si	173	$\bar{\nu}_\mu$ Fe	180	μ^- ^{40}Ca	208	$\pi^+ ^{10}\text{Bor}$	216
γ Ca	173	$\nu_\tau e^-$	180	μ^- Ti	208	$\pi^+ ^{11}\text{Bor}$	216
γ Ti	173	ν_τ nucleon	180	μ^- Fe	208	π^+ C	216
γ Cu	173	ν_τ nucleus	180	μ^- Cu	208	$\pi^+ ^{12}\text{C}$	216
γ ^{65}Cu	173	$\bar{\nu}_\tau e^-$	180	μ^- Mo	208	$\pi^+ ^{13}\text{C}$	216
γ Nb	173	$\bar{\nu}_\tau$ nucleus	180	μ^- Sn	208	π^+ O	216
γ Ag	173	e^\pm nucleus	180	μ^- Pb	208	$\pi^+ ^{16}\text{O}$	217
γ Cd	173	e^\pm ^{16}O	180	$\mu^+ e^-$	208	$\pi^+ ^{18}\text{O}$	217
γ ^{118}Sn	173	$e^- \gamma$	180	μ^+ nucleon	208	$\pi^+ ^{20}\text{Ne}$	217
γ Sn	173	$e^- \gamma^*$	180	$\mu^+ p$	208	π^+ Mg	217

This is a short "Table of Contents" of the full Reaction/Momentum/Data-Descriptor Index

π^+ ^{26}Mg	217	π^- ^{62}Ni	229	p Bor	247	n ^{23}Na	260
π^+ Al	217	π^- ^{64}Ni	229	p ^{10}Bor	247	n Al	260
π^+ ^{27}Al	217	π^- Cu	229	p ^{11}Bor	247	n ^{27}Al	260
π^+ Si	217	π^- Se	230	p C	247	n Si	260
π^+ ^{28}Si	217	π^- ^{90}Zr	230	p ^{12}C	249	n ^{40}Ca	260
π^+ S	218	π^- Zr	230	p ^{13}C	249	n ^{51}Va	260
π^+ Ca	218	π^- Ag	230	p ^{14}C	249	n Fe	260
π^+ ^{40}Ca	218	π^- Cd	230	p ^{16}O	249	n ^{59}Co	260
π^+ Ti	218	π^- Sn	230	p ^{18}O	249	n Cu	261
π^+ ^{51}Va	218	π^- Xe	230	p Ne	249	n ^{81}Br	261
π^+ ^{56}Fe	218	π^- Ta	230	p ^{20}Ne	249	n Rb	261
π^+ Fe	218	π^- Wt	230	p ^{23}Na	250	n ^{90}Zr	261
π^+ ^{58}Ni	218	π^- Pt	230	p Mg	250	n ^{93}Nb	261
π^+ Ni	218	π^- Au	231	p Al	250	n ^{108}Pd	261
π^+ ^{60}Ni	218	π^- Pb	231	p ^{27}Al	251	n ^{111}Cd	261
π^+ ^{62}Ni	218	π^- ^{208}Pb	231	p Si	251	n ^{113}Cd	261
π^+ ^{64}Ni	218	π^- ^{238}U	231	p ^{28}Si	251	n Sn	261
π^+ Cu	218	π^- U	231	p ^{29}Si	251	n ^{124}Sn	261
π^+ ^{76}Se	218	ρ^0 nucleon	231	p ^{30}Si	251	n ^{127}I	261
π^+ Se	218	$K^\pm p$	231	p ^{31}Ph	251	n Xe	261
π^+ ^{78}Se	218	K^+ nucleon	231	p S	251	n ^{133}Cs	261
π^+ ^{80}Se	218	$K^+ p$	231	p ^{34}S	251	n ^{139}La	261
π^+ ^{82}Se	218	$K^+ n$	232	p ^{35}Cl	251	n ^{181}Ta	261
π^+ ^{89}Yt	218	K^+ nucleus	232	p Ar	251	n Pb	261
π^+ ^{90}Zr	218	K^+ deuteron	232	p ^{39}KK	251	n ^{208}Pb	261
π^+ Zr	219	K^+ Li	232	p Ca	251	n ^{208}Bi	261
π^+ ^{93}Nb	219	K^+ ^6Li	232	p ^{40}Ca	252	n ^{232}Th	261
π^+ Ag	219	K^+ Be	232	p ^{42}Ca	252	n ^{238}U	261
π^+ ^{118}Sn	219	K^+ C	232	p ^{44}Ca	252	n ^{242}Am	261
π^+ Sn	219	K^+ ^{12}C	232	p ^{48}Ca	252	n ^{245}Cm	261
π^+ Xe	219	K^+ Mg	232	p Ti	252	\bar{n} p	261
π^+ ^{139}La	219	K^+ Al	232	p ^{54}Fe	252	\bar{n} C	261
π^+ Ta	219	K^+ Si	233	p Fe	252	\bar{n} Al	261
π^+ Wt	219	K^+ ^{28}Si	233	p Co	252	\bar{n} Cu	261
π^+ Au	219	K^+ Ca	233	p ^{59}Co	252	\bar{n} Sn	261
π^+ Pb	220	K^+ ^{40}Ca	233	p ^{58}Ni	253	\bar{n} Ta	261
π^+ ^{208}Pb	220	K^+ Cu	233	p Ni	253	\bar{n} Pb	262
π^+ U	220	K^+ Ag	233	p ^{60}Ni	253	\bar{p} p	262
$\pi^- e^-$	220	K^+ Wt	233	p ^{62}Ni	253	\bar{p} n	284
π^- nucleon	220	K^+ Au	234	p ^{63}Cu	253	\bar{p} H(atom)	284
$\pi^- p$	220	K^+ Pb	234	p Cu	253	\bar{p} nucleus	284
$\pi^- n$	223	$K^- e^-$	234	p ^{65}Cu	254	\bar{p} deuteron	284
π^- nucleus	223	K^- nucleon	234	p Zn	254	\bar{p} ^3He	285
π^- deuteron	225	$K^- p$	234	p ^{90}Zr	254	\bar{p} ^4He	285
π^- ^3H	225	K^- nucleus	235	p Zr	254	\bar{p} He	285
π^- ^3He	225	K^- deuteron	235	p Nb	254	\bar{p} Li	285
π^- ^4He	225	K^- ^3He	235	p Mo	254	\bar{p} ^6Li	285
π^- Li	225	K^- ^4He	235	p Ag	254	\bar{p} ^7Li	285
π^- ^6Li	225	K^- Be	235	p In	255	\bar{p} Be	285
π^- ^7Li	225	K^- C	236	p Sn	255	\bar{p} C	285
π^- ^8Be	226	K^- ^{12}C	236	p Te	255	\bar{p} ^{12}C	285
π^- Be	226	K^- Al	236	p Xe	255	\bar{p} Nit	286
π^- ^9Be	227	K^- Cu	236	p Ta	255	\bar{p} Ne	286
π^- C	227	K^- Ag	236	p Wt	255	\bar{p} ^{20}Ne	286
π^- ^{12}C	228	K^- Wt	236	p Pt	256	\bar{p} Mg	286
π^- ^{13}C	228	K^- Pb	236	p Au	257	\bar{p} Al	286
π^- ^{16}O	228	$K_L e^-$	236	p ^{197}Au	257	\bar{p} ^{27}Al	286
π^- ^{18}O	228	$K_L p$	236	p ^{206}Pb	257	\bar{p} ^{28}Si	286
π^- Ne	228	K_L nucleus	236	p Pb	257	\bar{p} S	286
π^- ^{20}Ne	228	K_L Be	236	p ^{207}Pb	258	\bar{p} Ar	286
π^- ^{24}Mg	228	$J/\psi(1S)$ nucleon	236	p ^{208}Pb	258	\bar{p} ^{40}Ca	286
π^- Mg	228	nucleon nucleon	236	p Bi	258	\bar{p} Fe	286
π^- ^{26}Mg	228	nucleon nucleus	237	p ^{238}U	258	\bar{p} ^{58}Ni	286
π^- Al	228	p nucleon	237	p U	258	\bar{p} ^{64}Ni	286
π^- Si	228	$p p$	238	$n e^-$	259	\bar{p} ^{63}Cu	286
π^- ^{28}Si	228	$p n$	242	$n p$	259	\bar{p} Cu	286
π^- S	228	p nucleus	242	$n n$	260	\bar{p} ^{64}Cu	286
π^- Ca	228	p deuteron	244	n nucleus	260	\bar{p} ^{70}Ge	286
π^- ^{40}Ca	229	p ^3He	244	n deuteron	260	\bar{p} ^{96}Zr	286
π^- ^{48}Ca	229	p ^4He	244	n ^9Be	260	\bar{p} ^{92}Mo	287
π^- Ti	229	p He	245	n C	260	\bar{p} ^{98}Mo	287
π^- Fe	229	p Li	245	n ^{12}C	260	\bar{p} ^{100}Mo	287
π^- ^{58}Ni	229	p ^6Li	245	n Nit	260	\bar{p} ^{96}Ru	287
π^- Ni	229	p ^7Li	245	n O	260	\bar{p} ^{108}Ag	287
π^- ^{60}Ni	229	p Be	245	n ^{19}Fl	260	\bar{p} Ag	287

This is a short "Table of Contents" of the full Reaction/Momentum/Data-Descriptor Index

\bar{p} Cd	287	^3H Al	293	^7Li C	297	^{16}O p	302
\bar{p} ^{130}Te	287	^3H Cu	293	^7Li Mg	297	^{16}O nucleus	303
\bar{p} Xe	287	^3H Pb	293	^7Li Al	297	^{16}O ^7Li	304
\bar{p} ^{144}Sm	288	^3He p	293	^7Li Cu	297	^{16}O Be	304
\bar{p} ^{154}Sm	288	^3He deuteron	293	^7Li Pb	297	^{16}O C	304
\bar{p} ^{165}Ho	288	^3He C	293	^8Li deuteron	297	^{16}O ^{12}C	304
\bar{p} ^{171}Yb	288	^3He ^{12}C	293	^8Li C	297	^{16}O ^{24}Mg	305
\bar{p} ^{181}Ta	288	^3He ^{26}Mg	293	^8Li Pb	297	^{16}O Al	305
\bar{p} Wt	288	^3He ^{40}Ca	293	^9Li C	297	^{16}O ^{27}Al	305
\bar{p} Au	288	^3He ^{48}Ca	293	^9Li Al	297	^{16}O ^{58}Ni	305
\bar{p} ^{197}Au	288	^3He ^{54}Fe	293	^9Li Cu	297	^{16}O Cu	305
\bar{p} Pb	288	^3He Fe	293	^9Li Sn	297	^{16}O ^{108}Ag	305
\bar{p} ^{208}Pb	288	^3He Cu	293	^9Li Pb	297	^{16}O Ag	305
\bar{p} ^{209}Bi	288	^3He ^{71}Ga	293	^{11}Li Be	297	^{16}O Wt	306
\bar{p} ^{232}Th	288	^3He ^{90}Zr	293	^{11}Li C	297	^{16}O Au	306
\bar{p} ^{238}U	289	^3He Ag	293	^{11}Li Ni	298	^{16}O ^{197}Au	306
\bar{p} U	289	^3He ^{112}Sn	294	^{11}Li Sn	298	^{16}O Pb	306
$\Delta(1232 P_{33})^+ p$	289	^3He ^{114}Sn	294	^{11}Li Au	298	^{16}O ^{207}Pb	307
Λ Cu	289	^3He ^{116}Sn	294	^{11}Li Pb	298	^{16}O U	307
$\Sigma^+ \gamma^*$	289	^3He ^{117}Sn	294	^9Be nucleus	298	^{18}O Be	307
Σ^0 Cu	289	^3He ^{118}Sn	294	^{11}Be ^9Be	298	^{17}F Be	307
$\Sigma^- e^-$	289	^3He ^{119}Sn	294	^{11}Be C	298	^{17}F C	307
$\Sigma^- p$	289	^3He ^{120}Sn	294	^{11}Be Al	298	^{17}F Al	307
Σ^- nucleus	289	^3He ^{122}Sn	294	^{11}Be Ti	298	^{17}Ne Be	307
Σ^- C	289	^3He ^{124}Sn	294	^{11}Be ^{197}Au	298	^{17}Ne C	307
Σ^- ^{12}C	289	^3He Au	294	^{14}Be Be	298	^{17}Ne Al	307
Σ^- Cu	289	^3He ^{197}Au	294	^{14}Be Ni	298	Ne p	307
Σ^- Wt	290	^3He ^{208}Pb	294	^{14}Be Au	298	Ne nucleus	307
Σ^- Pb	290	^3He Bi	294	^{11}Bor nucleus	298	Ne Fl	307
$\bar{\Sigma}^- \gamma^*$	290	^3He U	294	C p	298	Ne Ne	307
$\Xi^- p$	290	^4He p	294	C nucleus	298	Ne Na	307
Ξ^- nucleus	290	^4He nucleus	295	C C	298	Ne Al	307
Ξ^- ^{12}C	290	^4He deuteron	295	C Ne	298	Ne Cu	307
$\Omega^- p$	290	^4He ^4He	295	C Fe	298	Ne Zr	307
nucleus nucleus	290	^4He Be	295	C Cu	299	Ne Nb	307
nucleus Ta	290	^4He C	295	C Zr	299	Ne Pb	307
frag p	290	^4He ^{12}C	295	C Ta	299	^{20}Ne p	307
fragb nucleus	290	^4He ^{24}Mg	295	C Pb	299	^{20}Ne nucleus	308
deuteron p	290	^4He Al	295	^{12}C p	299	^{20}Ne C	308
deuteron nucleus	290	^4He Fe	295	^{12}C nucleus	299	^{20}Ne Nit	308
deuteron deuteron	290	^4He Cu	296	^{12}C C	300	^{20}Ne O	308
deuteron ^4He	290	^4He Ta	296	^{12}C ^{12}C	300	^{20}Ne Fl	308
deuteron ^6Li	290	^4He Au	296	^{12}C Al	300	^{20}Ne Na	308
deuteron Be	290	^4He ^{197}Au	296	^{12}C ^{58}Ni	300	^{20}Ne ^{27}Al	308
deuteron C	290	^4He Pb	296	^{12}C Cu	300	^{20}Ne Cu	308
deuteron ^{12}C	291	He p	296	^{12}C Yt	300	^{20}Ne Br	308
deuteron ^{13}C	291	He nucleus	296	^{12}C Ag	300	^{20}Ne Ag	308
deuteron ^{16}O	291	He He	296	^{12}C ^{113}In	300	^{20}Ne Sn	308
deuteron ^{24}Mg	291	He Li	296	^{12}C Sn	301	^{20}Ne ^{197}Au	308
deuteron ^{26}Mg	291	He ^9Be	296	^{12}C Ta	301	^{20}Ne Bi	308
deuteron Al	291	He C	296	^{12}C ^{197}Au	301	^{22}Ne p	308
deuteron ^{28}Si	291	He ^{12}C	296	^{12}C Pb	301	^{22}Ne nucleus	308
deuteron Ca	291	He ^{16}O	296	^{12}C ^{208}Pb	301	Na C	308
deuteron ^{40}Ca	291	He Ne	296	^{13}C C	301	^{24}Mg nucleus	308
deuteron ^{58}Ni	291	He Al	296	^{13}C Al	301	^{24}Mg C	308
deuteron Cu	291	He ^{28}Si	296	^{13}Nit p	301	^{24}Mg Al	308
deuteron ^{90}Zr	291	He ^{40}Ca	296	Nit nucleus	301	^{24}Mg Cu	309
deuteron Ag	291	He ^{48}Ca	296	^{14}Nit nucleus	301	^{24}Mg Ag	309
deuteron ^{116}Sn	291	He ^{58}Ni	296	^{14}Nit C	301	^{24}Mg Pb	309
deuteron ^{120}Sn	291	He ^{60}Ni	296	^{14}Nit Cu	301	Mg p	309
deuteron Ta	291	He Cu	296	^{14}Nit Ag	301	Mg nucleus	309
deuteron Au	291	He ^{124}Sn	296	^{14}Nit ^{159}Tb	301	Mg Mg	309
deuteron Pb	292	He Ta	296	^{17}Nit Be	301	Mg Pb	309
deuteron Bi	292	He Pb	296	^{17}Nit C	301	^{26}Mg p	309
deuteron Th	292	He ^{208}Pb	297	^{17}Nit Al	301	Si p	309
deuteron ^{238}U	292	^8He p	297	O p	301	Si nucleus	309
deuteron deuteron	292	^8He Be	297	O nucleus	301	Si Al	309
deuteron C	292	^8He Ni	297	O C	301	Si Si	309
deuteron Pb	292	^8He Au	297	O Ne	301	Si Cu	309
^3H p	292	^6Li p	297	O Al	301	Si Pt	310
^3H deuteron	292	^6Li nucleus	297	O Cu	301	Si Au	310
^3H C	292	^6Li C	297	O Ag	302	Si Pb	310
^3H ^{12}C	292	^6Li Pb	297	O Au	302	^{28}Si p	311
^3H Ne	292	^7Li p	297	O Pb	302	^{28}Si nucleus	311
^3H Mg	292	^7Li nucleus	297	O U	302	^{28}Si C	312

This is a short "Table of Contents" of the full Reaction/Momentum/Data-Descriptor Index

²⁸ Si Al	312	⁵⁶ Fe C	322	¹³⁹ La Pb	325
²⁸ Si ²⁷ Al	312	⁵⁶ Fe Nit	322	¹³⁹ La ²³⁸ U	325
²⁸ Si ²⁸ Si	313	⁵⁶ Fe O	322	La C	325
²⁸ Si Cu	313	⁵⁶ Fe Fe	322	La La	325
²⁸ Si ⁶⁴ Cu	313	⁵⁶ Fe Br	322	Ho C	325
²⁸ Si Ag	313	⁵⁶ Fe Ag	322	Ho Cu	325
²⁸ Si Sn	313	⁵⁶ Fe Ta	322	Ho Ag	325
²⁸ Si Au	313	⁵⁶ Fe Au	322	Ho Sn	325
²⁸ Si ¹⁹⁷ Au	314	⁵⁶ Fe Th	322	Ho Pb	325
²⁸ Si Pb	314	⁵⁸ Ni p	322	Ho U	325
²⁸ Si ²⁰⁸ Pb	314	⁵⁸ Ni Be	322	Au p	325
S nucleus	314	⁵⁸ Ni ⁵⁸ Ni	323	Au nucleus	325
S C	314	⁵⁸ Ni Ni	323	Au C	325
S Al	314	Ni Cu	323	Au Al	326
S S	314	⁶⁴ Zn ⁴⁸ Ti	323	Au Cu	326
S Cu	315	⁶⁴ Zn ⁵⁸ Ni	323	Au Ag	326
S Ag	315	⁷⁸ Kr ⁵⁸ Ni	323	Au Sn	326
S Wt	315	⁸⁴ Kr p	323	Au Pt	326
S Pt	316	⁸⁴ Kr nucleus	323	Au Au	326
S Au	316	⁸⁴ Kr ⁷ Li	323	Au Pb	327
S Pb	316	⁸⁴ Kr C	323	Au U	327
S U	317	⁸⁴ Kr Al	323	¹⁹⁷ Au p	327
³² S p	317	⁸⁴ Kr ²⁷ Al	323	¹⁹⁷ Au nucleus	327
³² S nucleus	317	⁸⁴ Kr ⁵⁹ Co	323	¹⁹⁷ Au C	327
³² S C	318	⁸⁴ Kr Cu	323	¹⁹⁷ Au Al	327
³² S Al	318	⁸⁴ Kr ⁹³ Nb	323	¹⁹⁷ Au Fe	327
³² S S	318	⁸⁴ Kr ¹⁰⁸ Ag	323	¹⁹⁷ Au Cu	327
³² S ³² S	318	⁸⁴ Kr Sn	323	¹⁹⁷ Au Ag	327
³² S Cu	318	⁸⁴ Kr ¹⁹⁷ Au	323	¹⁹⁷ Au Sn	327
³² S ⁹⁶ Mo	318	⁸⁴ Kr Pb	323	¹⁹⁷ Au Au	327
³² S ¹⁰⁰ Mo	318	Kr p	323	¹⁹⁷ Au ¹⁹⁷ Au	327
³² S Pd	318	Kr nucleus	323	¹⁹⁷ Au Pb	328
³² S Ag	319	Kr Be	323	Pb Pb	328
³² S Wt	319	Kr C	323	²⁰⁸ Pb Cu	328
³² S Pt	320	Kr Al	323	²⁰⁸ Pb Pb	328
³² S Au	320	Kr Cu	323	²⁰⁸ Pb ²⁰⁸ Pb	328
³² S Pb	320	Kr Zr	323	²⁰⁸ Pb ²³² Th	328
³² S U	320	Kr Sn	323	²⁰⁸ Pb ²³⁸ U	328
³⁶ Ar p	321	Kr Pb	323	²⁰⁹ Pb ¹⁹⁷ Au	328
³⁶ Ar nucleus	321	⁸⁶ Kr ⁹ Be	323	²⁰⁹ Pb ²⁰⁸ Pb	328
³⁶ Ar ²⁷ Al	321	⁸⁶ Kr Cu	323	Bi Pb	328
³⁶ Ar ⁴⁸ Ti	321	⁸⁶ Kr Zr	323	²³² Th ¹⁸¹ Ta	328
³⁶ Ar ⁵⁸ Ni	321	⁸⁶ Kr Ta	323	²³² Th ²³² Th	328
³⁶ Ar Ag	321	⁸⁶ Kr ¹⁹⁷ Au	323	²³² Th ²³⁸ U	328
³⁶ Ar ¹¹² Sn	321	Nb C	323	²³² Th ²⁴⁸ Cm	328
³⁶ Ar ¹⁹⁷ Au	321	Nb Nb	324	²³⁸ U nucleus	328
Ar nucleus	321	Ag p	324	²³⁸ U Be	328
Ar C	321	Ag nucleus	324	²³⁸ U ⁹ Be	328
Ar Fl	321	Ag Li	324	²³⁸ U C	328
Ar Na	321	Ag C	324	²³⁸ U Al	328
Ar Ca	321	Ag Al	324	²³⁸ U ²⁷ Al	328
Ar Nb	321	Ag Cu	324	²³⁸ U Cu	328
Ar La	321	Ag Sn	324	²³⁸ U ¹¹⁰ Pd	328
Ar Pb	321	Ag Pb	324	²³⁸ U Ag	328
⁴⁰ Ar p	321	Xe La	324	²³⁸ U In	328
⁴⁰ Ar nucleus	321	¹²⁹ Xe ²⁷ Al	324	²³⁸ U ¹⁸¹ Ta	329
⁴⁰ Ar C	321	¹²⁹ Xe Cu	324	²³⁸ U Au	329
⁴⁰ Ar Nit	321	¹²⁹ Xe ¹³⁹ La	324	²³⁸ U ¹⁹⁷ Au	329
⁴⁰ Ar O	321	¹²⁹ Xe ¹⁹⁷ Au	324	²³⁸ U Pb	329
⁴⁰ Ar Al	321	¹³¹ Xe nucleus	324	²³⁸ U ²⁰⁸ Pb	329
⁴⁰ Ar Cl	322	¹³² Xe p	324	²³⁸ U ²³² Th	329
⁴⁰ Ar KK	322	¹³² Xe nucleus	324	²³⁸ U ²³⁸ U	329
⁴⁰ Ar ⁴⁰ Ca	322	¹³⁶ Xe Be	324	²³⁸ U U	329
⁴⁰ Ar ⁴⁵ Sc	322	¹³⁶ Xe C	324	²³⁸ U ²⁴⁸ Cm	329
⁴⁰ Ar Br	322	¹³⁶ Xe Pb	324		
⁴⁰ Ar ¹⁰³ Rh	322	¹³⁹ La p	324		
⁴⁰ Ar Ag	322	¹³⁹ La nucleus	324		
⁴⁰ Ar La	322	¹³⁹ La C	324		
⁴⁰ Ar ¹⁹⁷ Au	322	¹³⁹ La ¹² C	324		
⁴⁰ Ar ²³⁸ U	322	¹³⁹ La ²⁷ Al	324		
Ca Ca	322	¹³⁹ La ⁴⁰ Ca	324		
⁴⁰ Ca p	322	¹³⁹ La ⁵¹ Va	324		
⁵² Cr p	322	¹³⁹ La Cu	325		
⁵⁶ Fe p	322	¹³⁹ La ¹³⁹ La	325		
⁵⁶ Fe nucleus	322	¹³⁹ La La	325		

$\gamma\gamma \rightarrow \text{meson}^0$ $\gamma\gamma \rightarrow 8\gamma$

$\gamma\gamma$			$\gamma\gamma$			$\gamma\gamma$		
meson ⁰			$\chi_{c2}(1P)$			$\phi(1020) \rho^0$		
(1.525)	Bauer 93	cs	(3.556)	Bauer 93C	cs	(1.6 - 3.4)	Albrecht 94B	ang,cs
(< 5)	Karch 91	cs		Shelkov 93	cs	(1.9 - 2.3)	Lafferty 92	cs
?	Feindt 90	-	exotic-meson			?	Achasov 91	cs
π^0			?	Achasov 91	-	$\phi(1020) \omega$		
(0.135)	Bienlein 91	amp	$X(1600)$			(1.5 - 3.5)	Kriznic 94	cs
η			(1.1 - 2.3)	Albrecht 90M	-	(1.9 - 2.3)	Lafferty 92	cs
(0.545)	Bienlein 91	amp	$e^- e^+$			(2.1 - 3.4)	Albrecht 94B	cs
η'			(0.35 - 1.6)	Kaloshin 94	angp,cs	?	Achasov 91	cs
(0.958)	Bienlein 91	amp	2γ			$2\phi(1020)$		
$f_0(975)$			(0.1 - 1.5)	Bienlein 91	amp	?	Achasov 91	cs
(0.98)	Bienlein 91	-	$2\pi^0$			$p \bar{p}$		
	Karch 91	-	(0.8 - 2)	Kaloshin 94	angp,cs	(2 - 3.25)	Artuso 93	angp,cs
	Feindt 90	-	(< 5)	Bienlein 91	cs,pwa	$\ell^+ \ell^- \gamma$		
$a_0(980)$			(< 10)	Karch 91	angp,cs,mass,pwa	(3.56)	Shelkov 93	mass
(0.908)	Feindt 90	-	?	Bienlein 92	cs,pwa	$\pi^+ \pi^- \gamma$		
$f_0(1240)$			$\pi^+ \pi^-$	Feindt 90	angp,cs,mass	(0.5 - 3.5)	Bauer 93	cs
(1.24)	Bienlein 92	-	(0.7 - 1.6)			$3\pi^0$		
	Bienlein 91	-		Kaloshin 94	angp,cs	(< 5)	Karch 91	mass
	Karch 91	-		Harjes 91B	angp,cs,pwa	$\pi^+ \pi^0 \pi^-$		
$f_2(1270)$			(0.75 - 2)	Harjes 91	angp,cs,pwa	(1.5 - 3.5)	Kriznic 94	mass
(1.27)	Bienlein 91	-	(1 - 1.5)	Yabuki 94	angp,cs,pwa	(1.9 - 2.3)	Lafferty 92	mass
	Blinov 91B	-	(< 10)	Blinov 91B	mass	$\eta 2\pi^0$		
	Bienlein 92	-	?	Feindt 90	angp,cs,mass	(< 5)	Karch 91	ang,mass
	Harjes 91B	-	$\eta \pi^0$			(< 10)	Bienlein 92	cs,pwa
	Karch 91	-	?	Achasov 91	cs	$\rho^+ \pi^0 \pi^-$		
	Feindt 90	-	2η	Feindt 90	cs,mass	(1.2 - 2.2)	Albrecht 91N	cs
$f_2(1270) < \pi^+ \pi^- >$			(1 - 2.1)	Bienlein 91	cs	$\rho^- \pi^+ \pi^0$		
(1.275)	Yabuki 94	cs	(< 10)	Bienlein 92	cs,pwa	(1.2 - 2.2)	Albrecht 91N	cs
$\eta(1295)$?	Feindt 90	-	4γ		
(1.295)	Bienlein 91	amp	$\rho^+ \pi^-$			(< 5)	Karch 91	mass,pt
$\pi(1300)^0$			(1.5 - 3.5)	Kriznic 94	mass	(< 10)	Bienlein 92	mass
(1.3)	Lafferty 92	cs	(1.9 - 2.3)	Lafferty 92	mass	nonres < 4π >		
	Bienlein 91	amp	$\rho^- \pi^+$			(1.2 - 2.2)	Albrecht 91N	cs
(1.5 - 3.5)	Kriznic 94	cs	(1.5 - 3.5)	Kriznic 94	mass	$\pi^+ 2\pi^0 \pi^-$		
$a_2(1320)$			(1.9 - 2.3)	Lafferty 92	mass	(1.2 - 2.2)	Albrecht 91N	mass
(1.32)	Feindt 90	-	$2\rho^0$			$2\rho^0 \pi^+ \pi^-$		
$a_2(1320)^0$			(1.1 - 2.3)	Albrecht 90M	mass,pwa	(1.5 - 5.5)	Pust 91	cs
(1.32)	Lafferty 92	cs	?	Achasov 91	cs	(2 - 7.5)	Behrend 90F	cs,mass
(1.5 - 3.5)	Kriznic 94	cs	$\rho^+ \rho^-$	Feindt 90	cs,mass	$\omega \pi^+ \pi^0 \pi^-$		
$f_0(1400)$			(1.2 - 2.2)	Albrecht 91N	cs,mass,pwa	(1.6 - 3)	Albrecht 95G	cs
(1.37)	Feindt 90	-	?	Achasov 91	cs	$K^+ K^- \pi^+ \pi^-$		
$f_2(1520)$			(1.3 - 3)	Behrend 90C	cs	(1.5 - 3.5)	Kriznic 94	angp,cor,mass
(1.52)	Feindt 90	-	(1.9 - 2.3)	Lafferty 92	cs	(1.9 - 2.3)	Lafferty 92	mass
$f_0(1525)$?	Achasov 91	cs	(< 4)	Behrend 90C	mass,pwa
(1.525)	Feindt 90	-	2ω			$\eta 2\pi 2\gamma$		
$f_2'(1525)$			(1.6 - 3)	Albrecht 95G	cs	?	Burchell 92	-
(1.525)	Acciarri 95O	cs	?	Achasov 91	cs	$\rho^0 2\pi^+ 2\pi^-$		
	Harjes 91B	-	$a_0(980) \pi^0$			(1.5 - 5.5)	Pust 91	cs,mass
	Feindt 90	-	(< 5)	Karch 91	ang,mass	(2 - 7.5)	Behrend 90F	cs,mass
$f_0(1590)$			$f_2(1270) \pi^0$			$K \bar{K} \pi 2\gamma$		
(1.59)	Bienlein 91	-	(< 5)	Karch 91	mass	?	Burchell 92	-
	Harjes 91B	-	$a_2(1320) \pi^0$			$K^+ K^- \pi^+ \pi^0 \pi^-$		
	Feindt 90	-	(< 5)	Karch 91	ang,mass	(1.5 - 3.5)	Kriznic 94	angp,cor,mass
$\pi_2(1670)^0$			$\rho(1700)^0 \rho^0$			(1.9 - 2.3)	Lafferty 92	mass
(1.5 - 3.5)	Kriznic 94	cs	(2 - 7.5)	Behrend 90F	cs	6γ		
(1.67)	Lafferty 92	cs	$K^0 \bar{K}^0$			(< 5)	Karch 91	mass,pt
	Karch 91	cs	?	Feindt 90	cs,mass	(< 10)	Bienlein 92	mass
$f_J(1710)$			$K^+ K^-$			$2\pi^+ 2\pi^0 2\pi^-$		
(1.71)	Feindt 90	-	?	Feindt 90	cs,mass	(1.6 - 3)	Albrecht 95G	cs
$f_2(1810)$			$K^*(892)^0 \bar{K}^*(892)^0$			$3\pi^+ 3\pi^-$		
(1.81)	Harjes 91B	-	?	Achasov 91	cs	(1.5 - 5.5)	Pust 91	cor,cs,mass
$\eta_2(1870)$			$K^*(892)^+ K^*(892)^-$			(1.6 - 7.5)	Behrend 90F	angp,cs,mass
(1.87)	Bienlein 92	-	?	Achasov 91	cs	8γ		
$X(2200)$			$\phi(1020) \rho^0$			(< 5)	Karch 91	mass,pt
(2.2)	Feindt 90	-	(1.5 - 3.5)	Kriznic 94	cs			
$\eta_c(1.5)$								
(2.98)	Adriani 93K	cs						
$\chi_{c2}(1P)$								
(3.555)	Uehara 91	cs						

$\gamma \gamma \rightarrow 10\gamma$

$\gamma p \rightarrow DD < X > p$

$\gamma \gamma$	γ nucleon	γp
10γ (< 5) Karch 91 mass,pt 12γ (< 5) Karch 91 mass,pt $\gamma \gamma^*$ mult[hadron] (1 - 10) Abreu 95 mult mult[hadron ⁰] (2 - 5) Batyunya 93C mult mult[hadron ⁺] mult[hadron ⁻] (2 - 5) Batyunya 93C mult unspec X 100 Bassompierre 95 cs charged X (1 - 10) Abreu 95 angp,p,pt jet X (1 - 10) Abreu 95 angp,p,pt hadron (hadrons) (0.3 - 20) Morgan 94 cs,mass,p,pt charged-hadron X (< 29) Cords 93 pt K ⁰ X (< 29) Cords 93 pt 2hadron (hadrons) (2 - 5) Batyunya 93C mass,pt axion (10 ⁻¹⁶ - 10 ⁻¹²) (< 10 ⁻¹²) Ruoso 92 cs Ruoso 92B cs Cameron 93 cs Cameron 92 cs meson ⁰ (10 ⁻¹⁶ - 10 ⁻¹²) (< 10 ⁻¹²) Ruoso 92B cs Cameron 93 cs Cameron 92 cs $\mu^- \mu^+$ (0.25 - 12) Akers 93C cs $\tau^- \tau^+$ (0.25 - 12) Akers 93C cs 2 γ (10 ⁻¹⁶ - 10 ⁻¹²) (< 10 ⁻¹²) Ruoso 92B p Cameron 92 const,cs $\gamma \gamma^*$ (< 10 ⁻¹²) Cameron 93 asym Cameron 92 asym γe^- mult[hadron] (< 91.2) Abreu 95 mult e ⁻ X (< 55) Tanaka 92 p charged X (< 91.2) Abreu 95 angp,p,pt jet X (< 91.2) Abreu 95 angp,p,pt e ⁻ 3charged-hadron (hadrons) (< 55) Tanaka 92 col,p 2e ⁻ e ⁺ 0.025 - 0.075 Boldyshev 95 angp,cs γ nucleon $\bar{\nu} X + c X$ 80 - 160 Kwan 93 cs Alvarez 92 cs D [±] X 50 - 150 Alvarez 91 -	D [±] X 80 - 160 Kwan 93 cs,p Alvarez 92 cs,p,pt D X 80 - 160 Kwan 93 cs Alvarez 92 cs D ⁺ X 50 - 200 Alvarez 90D cs D ⁰ X + \bar{D}^0 X 80 - 160 Kwan 93 cs,p Alvarez 92 cs,p,pt D ⁰ X 50 - 200 Alvarez 90D cs \bar{D} X 80 - 160 Kwan 93 cs Alvarez 92 cs D _s [±] X 50 - 150 Alvarez 91 - D _s ⁺ X 80 - 160 Alvarez 92 cs D _s ⁻ X 80 - 160 Alvarez 92 cs Λ_c^+ X 80 - 160 Alvarez 92 cs $\bar{\Lambda}_c^-$ X 80 - 160 Alvarez 92 cs D \bar{D} X 50 - 200 Kwan 93 ang,mass,p,pt $\pi^+ \pi^- \pi^\pm \gamma X$ 50 - 150 Alvarez 91 mass nucleon J/ $\psi(1S)$ 121 - 374 Frabetti 93D angp,cs γp X 3.7 - 18.3 Arneodo 92 cs (50 - 280) Wolf 94 cs (90 - 290) Levy 95 cs Kiesling 94 cs Ahmed 92D cs (100 - 300) Wolf 92 cs,et,pt (167 - 194) Derrick 94 cs Abramowicz 93 cs Pavel 93 cs (175 - 250) Wolf 92 cs (180) Haas 94 cs Harnew 94 cs Levy 95 cs Lohr 95 cs Derrick 92 cs Haas 94 cs Harnew 94 cs Aid 95F cs Burow 94 cs Dainton 94 cs Deroeck 94 cs Feltesse 94 cs Berger 93 cs Krasny 93B cs Levonian 93 cs Eisele 92 cs inelastic (167 - 194) Abramowicz 93 cs Pavel 93 cs 2DD < X > (167 - 194) Abramowicz 93 cs Pavel 93 cs charged X 70 - 170 Apsimon 90C p (175 - 250) Wolf 92 angp,col,pt (179) Dainton 94 pt Deroeck 94 pt Deroeck 95G p,pt Kiesling 94 pt Levonian 93 et,pt jet X (100 - 295) Lohr 95 cs,p,pt	jet X (135 - 265) Derrick 93C cs,p,pt (150 - 250) Harnew 94 et,p Kiesling 94 et,p Abt 93D angp,et Erdmann 93 p,pt Abramowicz 93 et (167 - 194) Levy 95 pt (175 - 250) Krasny 93B pt Wolf 92 pt (179) Dainton 94 angp,et Deroeck 94 angp,et Berger 93 angp,et,pt DD < X > γ (167 - 194) Abramowicz 93 cs Pavel 93 cs c X 20 - 310 Rossi 91 pt π^+ X 0.184 - 0.213 Fissum 96 a-dep,angp,cs,p 0.35 Ganenko 91 a-dep,asym,p π^0 X 60 - 170 Apsimon 91 p,pt η X 60 - 170 Apsimon 92 p,pt ρ^0 X 65 - 175 Apsimon 92B cs Apsimon 91B angp,cs,p,pt Hofmann 91 p,pt Aid 95F cs ω X (200) Aid 95F cs f ₀ (975) X 65 - 175 Apsimon 92B cs f ₂ (1270) X 65 - 175 Apsimon 92B angp,cs,p,pt Fiedler 91 cs,p,pt K*(892) ⁰ X 65 - 175 Apsimon 93 angp,p,pt Gebert 92 cs,p,pt $\bar{K}^*(892)^0$ X 65 - 175 Apsimon 93 angp,p,pt Gebert 92 cs,p,pt $\phi(1020)$ X 65 - 175 Apsimon 93 angp,p,pt Gebert 92 cs,p,pt (200) Aid 95F cs charm X (114) Brisson 94B cs charm X (114) Brisson 94B cs D ⁺ X 80 - 230 Anjos 92C - 100 Spiegel 91 cs 100 - 260 Spiegel 91 cs D ⁰ X 80 - 230 Anjos 92C - Anjos 92D - 100 Spiegel 91 cs 100 - 260 Spiegel 91 cs D _s ⁺ X 100 Spiegel 91 cs J/ $\psi(1S)$ X (30 - 180) Ahmed 94D cs (50 - 180) Mass 95 cs,p (90) Brisson 94B cs p X (200) Aid 95F cs DD < X > p (167 - 194) Abramowicz 93 cs Pavel 93 cs

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$\gamma p \rightarrow \Lambda K^+$

γ deuteron $\rightarrow p n$

γp	$2\gamma \text{ } ^2\text{H(atom)}$	γ nucleus
ΛK^+ 0.957 - 1.476 Bockhorst 94 angp,cs,pol	$^2\text{H(atom)}^*$ Weitz 94	$\Sigma_c(2455)^{++} \pi^- X$ 100 - 350 Frabetti 93C mass
0.96 - 1.47 Lindemann 93 angp,cs,pol	$\gamma \text{Tl(atom)}$	$\Sigma_c(2455)^0 \pi^+ X$ 100 - 350 Frabetti 93C mass
1.32 - 2.02 Jungst 94 angp,cs,pol	$\text{Tl(atom)} \gamma$	$K^+ K^- \pi^\pm X$ 221 Frabetti 93B mass
$\Sigma^+ K^0$ 1.3 - 2.1 Merkel 93 pol	? Edwards 95 asym,qnc Vetter 95 amp,asym,qnc	$p K^- \pi^+ X$ 220 Frabetti 93I mass 221 Frabetti 92E mass 221 Frabetti 91 mass
$\Sigma^0 K^+$ 0.957 - 1.476 Bockhorst 94 angp,cs,pol	$\gamma \text{Pb(atom)}$	$p K^+ K^- X$ 220 Frabetti 93I mass
0.96 - 1.47 Lindemann 93 angp,cs,pol	$\text{Pb(atom)} \gamma$	$\Lambda \pi^+ \pi^- X$ 220 Frabetti 93 mass
1.32 - 2.02 Jungst 94 angp,cs,pol	? Meekhof 93 amp,asym,qnc	$\Lambda K^- \pi^+ X$ 221 Frabetti 92 mass
$p 2\pi^0$ 0.4 - 0.8 Braghieri 95 0.627 - 0.79 Krusche 95C cs mass	γ nucleus	$\Lambda_c^+ \pi^+ \pi^- X$ 100 - 350 Frabetti 93C mass
$p \pi^+ \pi^-$ 0.4 - 0.8 Braghieri 95 (55 - 187) Aid 96 ang,angp,cs,mass	mult[n] X 0.2 - 1 Terranova 94 a-dep,cs	$p \pi^+ 2\pi^- X$ 220 Frabetti 93 mass
$n \pi^+ \pi^0$ 0.4 - 0.8 Braghieri 95 cs	hadron (hadrons) 0.2 - 1 Terranova 94 a-dep,cs	$p K^- 2\pi^+ X$ 221 Frabetti 91 mass
$n \rho^0 \pi^+$ 19.3 Condo 94 ang,angp,cs,mass	πX 0.2 - 1 Terranova 94 a-dep,cs	$\Sigma^+ 2K^- \pi^+ X$ 221 Frabetti 95C mass
$p K^+ K^-$ 1.5 - 1.95 Merkel 93 mass	$D^+ X$ 221 Frabetti 91 Spiegel 91	$\bar{\Sigma}^- 2K^+ \pi^- X$ 221 Frabetti 95C mass
$p K^*(892)^+ K^-$ 20 - 70 Landsberg 90 cs	$D^0 X$ 221 Frabetti 91 Spiegel 91	$\Xi^- K^- 2\pi^+ X$ 221 Frabetti 92 mass
$p K^*(892)^0 K_S$ 20 - 70 Landsberg 90 cs	$D_s^\pm X$ 221 Frabetti 93B	$\Omega^- 2\pi^+ \pi^- X$ 221 Frabetti 92 mass
$p K^*(892)^- K^+$ 20 - 70 Landsberg 90 cs	$D_s^+ X$ 221 Spiegel 91	$p K^- 2\pi^+ \pi^- X$ 100 - 350 Frabetti 93C mass 221 Frabetti 91 mass
$p \bar{K}^*(892)^0 K_S$ 20 - 70 Landsberg 90 cs	$\Xi^- X$ 221 Frabetti 92 mass	$\Sigma^+ < p \pi^0 > 2K^- \pi^+$ 221 Frabetti 94H mass
$p \phi(1020) \pi^0$ 20 - 70 Landsberg 90 cs	$\Lambda_c^+ X$ 220 Frabetti 93I Zallo 93 Cheung 93 Frabetti 92E Spiegel 91	$\Sigma^+ < n \pi^+ > 2K^- \pi^+$ 221 Frabetti 94H mass
$\Delta(1232 P_{33})^{++} \rho^0 \pi^-$ 19.3 Condo 93 mass	221	γ deuteron
$p 3\pi^0$ 0.627 - 0.79 Krusche 95C mass	$\Lambda_c(2025)^+ X$ 100 - 350 Frabetti 93C	X 3.7 - 18.3 Arneodo 92 cs
$n 2\pi^+ \pi^-$ 17.6 - 21 Condo 91 19.3 Condo 94 19.3 Condo 93 ang,mass mass mass	$\Xi_c(2460)^+ X$ 220 Zallo 93 221 Cheung 93	ηX 0.627 - 0.79 Krusche 95B amp,angp,cs
$p 2\pi^+ 2\pi^-$ 17.6 - 21 Condo 91 ang,mass	$\Xi_c(2460)^0 X$ 220 Frabetti 93 221 Zallo 93 221 Cheung 93	$p X$ 0.133 - 0.158 Wallace 91 < 4.5 Avakyan 91F angp angp,pol
γn	221 Frabetti 93 Zallo 93 Cheung 93	2jet X 50 - 400 Conrad 95 a-dep,ang,pt Naples 94 a-dep,ang,pt
ηX 0.627 - 0.79 Krusche 95B amp,angp,cs	$\Omega_c X$ 221 Frabetti 95C Frabetti 94H Cheung 93 Frabetti 92	$\pi^+ \pi^- X$ 0.57 - 0.85 Asai 92 ang,mass
ΛK^0 0.9592 - 1.075 Merkel 93 pol	$\bar{\Omega}_c X$ 221 Frabetti 95C	$p \pi^+ X$ 0.57 - 0.85 Asai 92 ang,mass
$p K^0 \pi^-$ 0.9592 - 1.075 Merkel 93 mass	fragt (fragts) 0.2 - 1 Terranova 94 a-dep,cs	$p \pi^- X$ 0.57 - 0.85 Asai 92 mass
γ muonium	mult[p] mult[n] X 0.2 - 1 Terranova 94 a-dep,cs	$n \pi^+ X$ 0.57 - 0.85 Asai 92 mass
γ muonium ? Mamedov 92 cs	$D \bar{D} X$ 200 Frabetti 93E cor,mass,p,pt	$p \pi^+ \pi^- X$ 0.57 - 0.85 Asai 92 mass
$2\gamma \text{H(atom)}$	$p \phi(1020) X$ 220 Frabetti 93I mass	$p n$ 0.02 - 0.1 Zieger 92B 0.034 - 0.606 Voitsekhovsk 92 0.054 - 0.088 Krause 92 0.063 - 0.071 Debevec 92 0.113 - 0.315 Blanpied 95 0.191 - 0.222 Caraccappa 91 angp angp,pol angp angp,asym angp,asym
H(atom)^* ? Schmidtkaler 94 Weitz 94	$\Lambda \pi^- X$ 221 Frabetti 92 mass	0.192 - 0.536 Ganenko 92 0.2 Kolb 94 0.2 - 0.367 Zybalov 91 0.235 Sarty 93 angp angp pol angp,cs
$\gamma \text{H(atom)}^*$	$\Xi^- \pi^+ X$ 220 Frabetti 93 mass	
$\text{H(atom)}^* \gamma$? Berkeland 95 const,p	$\Omega^- \pi^+ X$ 221 Frabetti 92 mass	
$2\gamma \text{ } ^2\text{H(atom)}$		
$^2\text{H(atom)}^*$? Schmidtkaler 94		

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

γ deuteron $\rightarrow p n$ γ Be $\rightarrow D_1(2420)^0 X$

γ deuteron	γ ^4He	γ Be
$p n$	$2p 2n$	$D^0 X$
0.25 - 0.5 Ganenko 93 angp,cs	0.135 - 0.455 Emura 91 angp,cs,p	Garbincius 95 p,pt
0.29 - 0.45 Avakyan 91E angp,p,pol	Emura 91B angp,mass,p	Frabetti 94F -
0.3 - 0.6 Ganenko 92B pol	0.145 - 0.425 Maruyama 93 a-dep,cs,mass	Frabetti 94G cs
0.8 - 1.8 Freedman 93B angp,cs		Frabetti 94I -
1.5 - 2.8 Belz 95 angp		Johns 94 -
$\Delta(1232 P_{33})^{++} \Delta(1232 P_{33})^-$	γ Li	Moroni 94 p,pt
0.57 - 0.85 Asai 92 cs	X	Frabetti 93H -
deuteron π^0	0.3 - 1.2 Bianchi 94 a-dep,cs	Frabetti 92B -
< 1 Garcilazo 95 angp,pol	γ ^6Li	Frabetti 92D -
$2p \pi^-$	$\pi^+ X$	Frabetti 94E -
0.4 - 0.7 Schenk 93 ang,angp,cs,mass,p	0.35 Ganenko 91 a-dep,asym,p	$\bar{D}^0 X$
$p n \pi^0$	$\pi^0 X$	80 - 230 Garbincius 95 cs,p,pt
0.29 Adams 95B angp,asym	0.3 - 0.45 Belousov 91 angp,p	Kwan 93 cs,p
$n \Delta(1232 P_{33})^{++} \pi^-$	$\pi^- X$	200 Frabetti 95B cs,p
0.5 - 0.7 Schutz 93 ang,mass,p	0.35 Ganenko 91 a-dep,asym,p	Frabetti 95I p,pt
$n(\text{spect}) \Delta(1232 P_{33})^{++} \pi^-$	deuteron $p X$	220 Garbincius 95 p,pt
0.57 - 0.85 Asai 92 cs	0.06 Ryckbosch 94 cs,p	Frabetti 94G cs
$p \Delta(1232 P_{33})^+ \pi^-$	$^3\text{H } p X$	Johns 94 -
0.5 - 0.7 Schutz 93 ang	0.06 Ryckbosch 94 cs,p	Moroni 94 p,pt
$n \Delta(1232 P_{33})^0 \pi^+$	$^3\text{H deuteron } X$	Frabetti 93H -
0.5 - 0.7 Schutz 93 ang,mass,p	0.06 Ryckbosch 94 cs,p	$D^- X$
$p \Delta(1232 P_{33})^- \pi^+$	γ ^7Li	80 - 230 Garbincius 95 cs,p,pt
0.5 - 0.7 Schutz 93 ang	$\pi^+ X$	Kwan 93 cs,p
$p n \pi^+ \pi^-$	0.35 Ganenko 91 a-dep,asym,p	Frabetti 95 -
0.5 - 0.7 Schutz 93 ang,mass	$\pi^- X$	Frabetti 95D -
0.57 - 0.85 Asai 92 angp,p	0.35 Ganenko 91 a-dep,asym,p	Frabetti 95I p,pt
$n(\text{spect}) p \pi^+ \pi^-$	X	Gardner 95 -
0.57 - 0.85 Asai 92 cs	0.2 - 1.1 Anghinolfi 93 cs	Frabetti 95E -
γ ^3He	γ Be	Garbincius 95 p,pt
$p X$	X	Frabetti 94C -
0.195 - 0.304 Ruth 94 angp,asym	0.2 - 1.1 Anghinolfi 93 cs	$D^*(2010)^\pm X$
1.2 Zyalov 95 pol	vee X	220 Anjos 92 -
$\Delta(1232 P_{33}) X$	220 Frabetti 94G cs	145 Anjos 91B -
0.145 - 0.225 Maruyama 93 cs	$\pi^+ X$	200 Frabetti 95I p,pt
deuteron p	0.227 - 0.391 Arends 91 a-dep,angp,p	220 Frabetti 94I -
0.145 - 0.425 Maruyama 93 a-dep,cs,mass	$\pi^- X$	221 Frabetti 93H -
0.166 - 0.213 Kolb 94 angp	0.227 - 0.391 Arends 91 a-dep,angp,p	Frabetti 94D -
0.2 - 0.8 Isbert 94 angp	$D^+ X$	Frabetti 94E -
$^3\text{H } \pi^+$	80 - 230 Garbincius 95 cs,p,pt	$D^*(2010)^- X$
0.21 - 0.45 Dhose 93 angp	80 - 230 Freyberger 94 -	145 Anjos 91B -
$2p n$	80 - 240 Kwan 93 cs,p	200 Frabetti 95I p,pt
0.09 - 0.25 Sarty 93 angp,cs	145 Anjos 91 cs	220 Frabetti 94I -
0.135 - 0.455 Emura 94B angp,cs,p	200 Frabetti 95 -	Frabetti 93H -
0.145 - 0.425 Maruyama 93 a-dep,cs,mass	80 - 240 Anjos 91D mass	$D_s^+ X$
0.2 - 0.45 Audit 93 angp,mass,p	145 Anjos 91 cs	80 - 230 Garbincius 95 cs,p,pt
0.2 - 0.5 Emura 94 angp,mass,p	200 Frabetti 95 -	80 - 240 Anjos 91D mass
0.235 - 0.305 Tedeschi 94 angp,asym	145 Anjos 91 cs	145 Anjos 91 cs
deuteron $n \pi^+$	200 Frabetti 95 -	200 Frabetti 95 -
0.21 - 0.45 Dhose 93 angp	Frabetti 95D -	220 Frabetti 95I p,pt
$3p \pi^-$	Frabetti 95I p,pt	Gardner 95 -
0.21 - 0.45 Dhose 93 angp	Gardner 95 -	Shukla 92B -
$p 2n \pi^+$	220 Frabetti 95E -	Frabetti 95E -
0.21 - 0.45 Dhose 93 angp	Garbincius 95 p,pt	Garbincius 95 p,pt
	Frabetti 94C -	Frabetti 94 -
	Frabetti 94G cs	Frabetti 94J -
	Frabetti 94J -	Johns 94 p,pt
	Johns 94 p,pt	Moroni 94 -
	Moroni 94 p,pt	Frabetti 93G cs
	Frabetti 93F cs	Frabetti 92D -
$\Delta(1232 P_{33}) X$	221 Frabetti 93F cs	$D_s^- X$
0.145 - 0.225 Maruyama 93 cs	$D^0 X$	80 - 230 Garbincius 95 cs,p,pt
$^3\text{H } p$	80 - 230 Garbincius 95 cs,p,pt	Frabetti 95 -
0.04 - 0.08 Lyakhno 96 asym	80 - 240 Kwan 93 cs,p	Frabetti 95D -
$^3\text{He } n$	80 - 240 Potter 91 -	Frabetti 95I p,pt
0.04 - 0.08 Lyakhno 96 asym	145 Anjos 90 -	Gardner 95 -
$^4\text{He } \gamma$	145 Anjos 91B -	Frabetti 95E -
0.1405 Igarashi 95 angp	200 Frabetti 95B -	Garbincius 95 p,pt
0.187 - 0.28 Dellicarpini 91 angp,cs	Frabetti 95I p,pt	Frabetti 94J -
deuteron $p n$	Kwan 93 cs,p	Moroni 94 -
0.145 - 0.425 Maruyama 93 a-dep,cs,mass	Shukla 92B -	Frabetti 93G cs
	Frabetti 95H -	$D_1(2420)^0 X$
	220	200 Shukla 92 -

γ Be $\rightarrow D_1(2420)^0 X$

γ Be $\rightarrow K^- \pi^+ \pi^0 X$

γ Be			γ Be			γ Be		
$D_1(2420)^0 X$	220	Moroni 94	$K^- \mu^+ X$	220	Frabetti 93H	$D^+ \bar{D}^0 X$	220	Garbincius 95
$\bar{D}_1(2420)^0 X$	220	Moroni 94	2jet X	50 - 400	Conrad 95	$D^0 D^- X$	220	Johns 94
$D_2^*(2460)^+ X$	220	Moroni 94			Naples 94			Garbincius 95
	320	Frabetti 94E						Johns 94
$D_2^*(2460)^0 X$	200	Shukla 92	$\pi^+ \pi^- X$	80 - 240	Anjos 90	$D^*(2010)^+ \pi^- X$	200	Shukla 92
	220	Shukla 92B		145	Anjos 91B		320	Frabetti 94E
	320	Moroni 94	$K^+ \pi^- X$	220	Frabetti 94F	$D^*(2010)^+ K^0 X$	320	Frabetti 94E
	320	Frabetti 94E		220	Frabetti 94G	$D^*(2010)^0 K^+ X$	320	Frabetti 94E
$\bar{D}_2^*(2460)^0 X$	220	Moroni 94	$K^- \pi^+ X$	145	Anjos 91B	$D^*(2010)^+ K_S X$	200	Shukla 92
	220	Moroni 94		220	Frabetti 94F		200	Frabetti 95I
$D_{s1}(2536)^+ X$	200	Shukla 92		221	Johns 94	$D^*(2010)^+ \bar{D}^0 X$	200	Frabetti 95I
	320	Frabetti 94E	$K_S \pi^+ X$	220	Frabetti 92D		200	Frabetti 95I
$p X$	0.227 - 0.391	Arends 91	$K_S \pi^- X$	220	Frabetti 94J	$D^*(2010)^+ D^- X$	200	Frabetti 95I
	0.69 - 1.95	Avakyan 91F	$K^0 \bar{K}^0 X$	220	Frabetti 94J	$D^*(2010)^- D^+ X$	200	Frabetti 95I
$\Lambda_c^+ X$	80 - 230	Garbincius 95	$K^+ K^- X$	80 - 240	Frabetti 94I	$D^*(2010)^- D^0 X$	200	Frabetti 95I
	200	Frabetti 95I		145	Anjos 90	$D^*(2010)^+ D^*(2010)^- X$	200	Frabetti 95I
	220	Fujino 95	$K^+ K_S X$	220	Anjos 91B	$D_s^- D^*(2010)^+ X$	200	Frabetti 95I
	220	Garbincius 95		221	Frabetti 94F		200	Frabetti 95I
	220	Frabetti 94B	$K_S K^- X$	220	Frabetti 92D	$D_s^+ D^*(2010)^- X$	200	Frabetti 95I
	220	Johns 94		220	Frabetti 94J	$\Sigma^- \pi^+ X$	220	Johns 94
	220	Moroni 94	$K^*(892)^+ K^- X$	80 - 240	Frabetti 94J	$\Lambda_c^+ D^*(2010)^- X$	200	Frabetti 95I
$\bar{\Lambda}_c^- X$	80 - 230	Garbincius 95	$K^*(892)^0 \bar{K}^0 X$	80 - 240	Anjos 90	$\bar{\Lambda}_c^- D^*(2010)^+ X$	200	Frabetti 95I
	200	Frabetti 95I		80 - 240	Anjos 90		200	Frabetti 95I
$\Lambda_c(2625)^+ X$	220	Frabetti 95F	$K^*(892)^0 K^- X$	220	Frabetti 94C	$\pi^+ \pi^- e^+ X$	80 - 240	Anjos 91C
$\Lambda_c^{*+} X$	220	Frabetti 95F	$K^*(892)^+ K_S X$	220	Frabetti 94J	$K^+ \pi^- \mu^- X$	220	Frabetti 93H
$\bar{\Lambda}_c^{*-} X$	220	Frabetti 95F	$\bar{K}^*(892)^0 K^+ X$	220	Frabetti 94C		220	Frabetti 93H
$\bar{\Lambda}_c(2625)^- X$	220	Frabetti 95F	$\bar{K}^*(892)^0 K^0 X$	80 - 240	Anjos 90	$K^- \pi^+ \mu^+ X$	220	Frabetti 93H
$\Sigma_c(2455)^{++} X$	220	Frabetti 95F	$K^*(892)^- K^+ X$	80 - 240	Anjos 90		220	Frabetti 93H
$\Sigma_c(2455)^0 X$	220	Frabetti 95F	$K^*(892)^- K_S X$	220	Frabetti 94J	$K^+ K^- \mu^\pm X$	220	Frabetti 94
$\bar{\Sigma}_c(2455)^0 X$	220	Frabetti 95F	$K^*(892)^- K^+ X$	80 - 240	Anjos 90		220	Frabetti 94
$\bar{\Sigma}_c(2455)^{-} X$	220	Frabetti 95F	$K^*(892)^- K_S X$	220	Frabetti 94J	$K^+ K^- \mu^- X$	220	Frabetti 93G
$\Xi_c(2460)^+ X$	220	Garbincius 95	$K^*(892)^0 \bar{K}^*(892)^0 X$	80 - 240	Anjos 90		220	Frabetti 93G
	220	Johns 94	$\phi(1020) \pi^+ X$	220	Frabetti 94C	$K^+ K^- \mu^+ X$	220	Frabetti 93G
	220	Moroni 94		220	Frabetti 94C		220	Frabetti 93G
$\Xi_c(2460)^0 X$	220	Garbincius 95	$\phi(1020) \pi^- X$	220	Frabetti 94C	$2\pi^+ \pi^- X$	220	Johns 94
	220	Johns 94	$D^+ \pi^- X$	200	Shukla 92	$K^+ 2\pi^- X$	220	Frabetti 94C
	220	Moroni 94		320	Frabetti 94E		220	Frabetti 94G
$\Omega_c X$	200	Fujino 95	$D^0 \pi^+ X$	80 - 240	Anjos 92	$\bar{K}^0 \pi^+ \pi^- X$	220	Frabetti 94I
	220	Garbincius 95		220	Frabetti 94C		220	Frabetti 94I
	220	Johns 94	$D^0 \pi^0 X$	220	Frabetti 94D	$K^- 2\pi^+ X$	80 - 230	Anjos 92B
	220	Moroni 94		320	Frabetti 94E		80 - 240	Anjos 91C
$\mu^- \mu^+ X$	121 - 374	Frabetti 93D	$\bar{D}^0 \pi^- X$	220	Frabetti 94I		220	Frabetti 94C
				220	Frabetti 94E		220	Frabetti 94G
$K^+ \mu^- X$	220	Johns 94	$D \bar{D} X$	220	Moroni 94		221	Frabetti 94I
		Frabetti 93H		220		$K^- \pi^+ \pi^0 X$	221	Frabetti 94D
							221	Frabetti 94D

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

γ Be \rightarrow $K_S \pi^+ \pi^0 X$ γ Al \rightarrow 2jet X

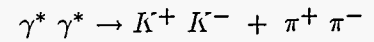
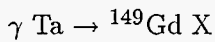
γ Be			γ Be			γ ^{12}C		
$K_S \pi^+ \pi^0 X$ 80 - 240	Anjos 92	mass	$3\pi^+ \pi^0 2\pi^- X$ 145	Anjos 91	mass	$2n X$ 0.08 - 0.157	McGeorge 95	cs,p
$K_S \pi^+ \pi^- X$ 221	Frabetti 94D Frabetti 92B	mass mass,pwa	Be $J/\psi(1S)$ 121 - 374	Frabetti 93D	angp,cs	$^{11}\text{Bor } p$ 0.044 - 0.098 0.08 - 0.157	Mori 95 Harty 95	angp angp,p
$K^+ \bar{K}^0 \pi^- X$ 80 - 240	Anjos 90	mass	γ ^9Be			$^{11}\text{Bor}^* p$ 0.08 - 0.157	Harty 95	angp,p
$K^+ K^- \pi^+ X$ 145 220	Anjos 91B Frabetti 94C Johns 94 Frabetti 93G	mass mass mass,p angp,mass	$\pi^+ X$ 0.35	Ganenko 91	a-dep,asym,p	$^{12}\text{Bor } \pi^+$ 0.192	Choi 94	angp,p
$K^+ K^- \pi^- X$ 145 220	Anjos 91B Frabetti 94C Frabetti 93G	mass mass angp,mass	$\pi^- X$ 0.35	Ganenko 91	a-dep,asym,p	$^{11}\text{C } N(1520 D_{13})^0$ 0.696 - 0.796	Weinstein 93	cs,mass
$K^0 K^- \pi^+ X$ 80 - 240	Anjos 90	mass	γ C			$^{11}\text{C } N(1535 S_{11})^0$ 0.696 - 0.796	Weinstein 93	cs,mass
$2K_S \pi^+ X$ 80 - 240	Anjos 92	mass	X 0.2 - 1.1 0.3 - 1.2 0.4 - 1.2 3.7 - 18.3	Anghinolfi 93 Bianchi 94 Bianchi 93C Arneodo 92	cs a-dep,cs cs cs	$^{12}\text{C } \gamma$ 0.058 - 0.075 0.137 - 0.2806	Hager 95 Igarashi 95	angp angp
$K^+ K_S K^- X$ 221	Frabetti 92B	mass,pwa	γ X 0.2 - 0.5	Wissmann 94	angp	$^{12}\text{C}^* \gamma$ 0.137 - 0.2806	Igarashi 95	angp
$3K_S X$ 220	Frabetti 94I	mass	$\pi^+ X$ 0.184 - 0.213	Fissum 96	a-dep,angp,cs,p	$^{12}\text{C } \pi^0$ 0.17 - 0.177	Gothe 95	angp,cs
$\phi(1020) \pi^+ \pi^- X$ 80 - 240	Anjos 90	mass	$\pi^- X$ 0.227 - 0.391	Arends 91	a-dep,angp,p	γ ^{13}C		
$p K^- \pi^+ X$ 220	Johns 94	mass,p	$p X$ 0.227 - 0.391	Arends 91	a-dep,angp,p	$\pi^0 X$ 0.17 - 0.177	Gothe 95	angp,cs
$\Sigma^+ 2\pi^+ X$ 220	Frabetti 94B	mass	$\text{fragt } X$ 2 - 3	Astabyan 91	angp	$^{13}\text{Bor } \pi^+$ 0.192	Choi 94	angp,p
$\Sigma^- 2\pi^+ X$ 220	Johns 94	mass,p	2jet X 50 - 400	Conrad 95	a-dep,ang,pt	$^{13}\text{C } \pi^0$ 0.17 - 0.177	Gothe 95	angp,cs
$\Sigma^- \pi^+ \pi^- X$ 220	Frabetti 94B	mass	C γ 0.2 - 0.5	Wissmann 94	angp	γ ^{14}Nit		
$\Xi^- 2\pi^+ X$ 220	Frabetti 92C	mass	γ ^{12}C			$^{14}\text{C } \pi^+$ 0.4	Distelbrink 91	angp
$\bar{K}^0 \pi^+ \pi^- e^+ X$ 80 - 230	Anjos 92B	mass	$\pi^+ X$ 0.35	Ganenko 91	a-dep,asym,p	$^{15}\text{O } \pi^-$ 0.22	Shaw 95	angp
$K^- \pi^+ \pi^0 e^+ X$ 80 - 230	Anjos 92B	mass	$\pi^0 X$ 0.17 - 0.177 0.3 - 0.45	Egiyan 93 Gothe 95 Belousov 91	angp angp,cs angp,p	γ O		
$2\pi^+ \pi^- \gamma X$ 145	Anjos 91	mass	$\pi^- X$ 0.35	Ganenko 91	a-dep,asym,p	$\pi^+ X$ 0.227 - 0.391	Arends 91	a-dep,angp,p
$2\pi^+ 2\pi^- X$ 80 - 240 220 221	Anjos 90 Johns 94 Frabetti 92D	mass mass,p mass	$K^+ X$ 0.7 - 1.1 0.8 - 1.1	Maeda 94 Yamazaki 95	angp,cs angp,cs,mass	$\pi^- X$ 0.227 - 0.391	Arends 91	a-dep,angp,p
$K^+ \pi^+ 2\pi^- X$ 220	Frabetti 94G	mass	$p X$ 0.2 - 0.5 < 4.5	Cross 95 Egiyan 93	angp,p angp	$p X$ 0.227 - 0.391	Arends 91	a-dep,angp,p
$K^- 2\pi^+ \pi^- X$ 220 221	Frabetti 94G Johns 94 Frabetti 92D	mass mass,p mass	$n X$ 0.0545 - 0.0615	Annand 93	angp,p	γ ^{16}O		
$K^+ K^- \pi^+ \pi^- X$ 80 - 240 220	Anjos 90 Johns 94	mass mass,p	$p \pi^\pm X$ 0.2 - 0.5	Cross 95	angp,p	$2p X$ 0.08 - 0.131	Macgregor 91	cs
$2K^+ K^- \pi^- X$ 220	Johns 94	mass,p	$2p X$ 0.08 - 0.157 0.187 - 0.227	McGeorge 95 Hackett 96	cs,p ang,angp,cs,p	$p n X$ 0.08 - 0.131	Macgregor 91	cs
$K^+ 2K^- \pi^+ X$ 220	Johns 94	mass,p	$2jet X$ 50 - 400	Conrad 95	a-dep,ang,pt	$^{16}\text{O } \gamma$ 0.058 - 0.075	Hager 95	angp
$\phi(1020) 2\pi^+ \pi^- X$ 221	Frabetti 92D	mass	$p n X$ 0.08 - 0.157 0.2 - 0.5	McGeorge 95 Cross 95	cs,p angp,p	4He 0.018 - 0.048	Kirichenko 95	ang,p
$\Lambda 2\pi^+ \pi^- X$ 220	Frabetti 92C	mass	γ Al			X 0.3 - 1.2	Bianchi 94	a-dep,cs
$\Sigma^+ 2K^- \pi^+ X$ 220	Johns 94	mass	X 0.2 - 0.5	Annand 93	angp,p	$p X$ < 4.5	Avakyan 91F	angp,pol
$K^+ K^- 2\pi^+ \pi^- X$ 221	Frabetti 92D	mass	$\text{fragt } X$ 2 - 3	Astabyan 91	angp	$2^4\text{Na } X$ < 5	Amroyan 93C	cs
$p K^+ K^- \pi^+ \pi^0 X$ 220	Johns 94	mass	$2jet X$ 50 - 400	Conrad 95	a-dep,ang,pt			
$n K^+ K^- 2\pi^+ X$ 220	Johns 94	mass		Naples 94	a-dep,ang,pt			

γ $^{27}\text{Al} \rightarrow \pi^+ X$

γ Ta \rightarrow $^{146}\text{Gd} X$

γ ^{27}Al	γ Nb	γ Ta
$\pi^+ X$ 0.35 Ganenko 91 a-dep,asym,p	$^{24}\text{Na} X$ < 5 Amroyan 93C cs	$^{22}\text{Na} X$ 4 Amroyan 93 cs
$\pi^0 X$ 0.3 - 0.45 Belousov 91 angp,p	γ Ag fragt X 2 - 3 Astabatyan 91 angp	$^{24}\text{Na} X$ 4 Amroyan 93 cs < 5 Amroyan 93C cs
$\pi^- X$ 0.35 Ganenko 91 a-dep,asym,p	$^{24}\text{Na} X$ < 5 Amroyan 93C cs	$^{46}\text{Sc} X$ 4 Amroyan 93 cs
γ Si	γ Cd	$^{54}\text{Mn} X$ 4 Amroyan 93 cs
$D(\text{unspec}) X$ 50 - 200 Garbincius 95 p,pt Alvarez 91B p,pt	$\pi^0 X$ 0.3 - 0.45 Belousov 91 angp,p	$^{50}\text{Fe} X$ 4 Amroyan 93 cs
$D \bar{D} X$ 50 - 200 Garbincius 95 ang,mass,p,pt Alvarez 91B ang,mass,p,pt	γ ^{118}Sn	$^{56}\text{Co} X$ 4 Amroyan 93 cs
γ Ca	$^{85}\text{Yt} X$ 4.5 Aleksandryan 93 cs	$^{57}\text{Ni} X$ 4 Amroyan 93 cs
$\pi^+ X$ 0.184 - 0.213 Fissum 96 a-dep,angp,cs,p	$^{87}\text{Yt} X$ 4.5 Aleksandryan 93 cs	$^{64}\text{Cu} X$ 4 Amroyan 93 cs
γ Ti	$^{87}\text{Zr} X$ 4.5 Aleksandryan 93 cs	$^{65}\text{Zn} X$ 4 Amroyan 93 cs
$\pi^+ X$ 0.227 - 0.391 Arends 91 a-dep,angp,p	$^{85}\text{Zr} X$ 4.5 Aleksandryan 93 cs	$^{75}\text{Se} X$ 4 Amroyan 93 cs
$\pi^- X$ 0.227 - 0.391 Arends 91 a-dep,angp,p	$^{95}\text{Nb} X$ 4.5 Aleksandryan 93 cs	$^{82}\text{Sr} X$ 4 Amroyan 93 cs
$p X$ 0.227 - 0.391 Arends 91 a-dep,angp,p	$^{95}\text{Tc} X$ 4.5 Aleksandryan 93 cs	$^{86}\text{Yt} X$ 4 Amroyan 93 cs
γ Cu	$^{95}\text{Ru} X$ 4.5 Aleksandryan 93 cs	$^{88}\text{Yt} X$ 4 Amroyan 93 cs
X 0.3 - 1.2 Bianchi 94 a-dep,cs 3.7 - 18.3 Arneodo 92 cs	$^{99}\text{Rh} X$ 4.5 Aleksandryan 93 cs	$^{88}\text{Zr} X$ 4 Amroyan 93 cs
$\pi^0 X$ 0.3 - 0.45 Belousov 91 angp,p	$^{101}\text{Rh} X$ 4.5 Aleksandryan 93 cs	$^{95}\text{Zr} X$ 4 Amroyan 93 cs
$p X$ 0.69 - 1.95 Avakyan 91F angp,cs	$^{102}\text{Rh} X$ 4.5 Aleksandryan 93 cs	$^{90}\text{Nb} X$ 4 Amroyan 93 cs
$^{24}\text{Na} X$ < 5 Amroyan 93C cs	$^{101}\text{Pd} X$ 4.5 Aleksandryan 93 cs	$^{95}\text{Tc} X$ 4 Amroyan 93 cs
$2\text{jet} X$ 50 - 400 Conrad 95 Naples 94 a-dep,ang,pt a-dep,ang,pt	$^{115}\text{Cd} X$ 4.5 Aleksandryan 93 cs	$^{96}\text{Tc} X$ 4 Amroyan 93 cs
γ ^{65}Cu	$^{108}\text{In} X$ 4.5 Aleksandryan 93 cs	$^{101}\text{Rh} X$ 4 Amroyan 93 cs
$^{24}\text{Na} X$ 4.5 Arakelyan 91 cs	$^{110}\text{In} X$ 4.5 Aleksandryan 93 cs	$^{102}\text{Rh} X$ 4 Amroyan 93 cs
$^{42}\text{KK} X$ 4.5 Arakelyan 91 cs	$^{111}\text{In} X$ 4.5 Aleksandryan 93 cs	$^{100}\text{Pd} X$ 4 Amroyan 93 cs
$^{43}\text{KK} X$ 4.5 Arakelyan 91 cs	$^{113}\text{In} X$ 4.5 Aleksandryan 93 cs	$^{101}\text{Pd} X$ 4 Amroyan 93 cs
$^{43}\text{Sc} X$ 4.5 Arakelyan 91 cs	$^{114}\text{In} X$ 4.5 Aleksandryan 93 cs	$^{105}\text{Ag} X$ 4 Amroyan 93 cs
$^{44}\text{Sc} X$ 4.5 Arakelyan 91 cs	$^{115}\text{In} X$ 4.5 Aleksandryan 93 cs	$^{110}\text{Ag} X$ 4 Amroyan 93 cs
$^{47}\text{Sc} X$ 4.5 Arakelyan 91 cs	$^{116}\text{In} X$ 4.5 Aleksandryan 93 cs	$^{125}\text{Sb} X$ 4 Amroyan 93 cs
$^{48}\text{Va} X$ 4.5 Arakelyan 91 cs	$^{117}\text{In} X$ 4.5 Aleksandryan 93 cs	$^{121}\text{Te} X$ 4 Amroyan 93 cs
$^{52}\text{Mn} X$ 4.5 Arakelyan 91 cs	$^{110}\text{Sn} X$ 4.5 Aleksandryan 93 cs	$^{131}\text{I} X$ 4 Amroyan 93 cs
$^{56}\text{Mn} X$ 4.5 Arakelyan 91 cs	$^{113}\text{Sn} X$ 4.5 Aleksandryan 93 cs	$^{134}\text{Cs} X$ 4 Amroyan 93 cs
$^{56}\text{Co} X$ 4.5 Arakelyan 91 cs	$^{117}\text{Sn} X$ 4.5 Aleksandryan 93 cs	$^{131}\text{Ba} X$ 4 Amroyan 93 cs
$^{58}\text{Co} X$ 4.5 Arakelyan 91 cs	γ Sn	$^{134}\text{Ce} X$ 4 Amroyan 93 cs
$^{61}\text{Cu} X$ 4.5 Arakelyan 91 cs	X 0.3 - 1.2 Bianchi 94 a-dep,cs	$^{149}\text{Pm} X$ 4 Amroyan 93 cs
	$\pi^+ X$ 0.184 - 0.213 Fissum 96 a-dep,angp,cs,p	$^{145}\text{Eu} X$ 4 Amroyan 93 cs
	$p X$ < 4.5 Avakyan 91F angp,pol	$^{146}\text{Eu} X$ 4 Amroyan 93 cs
	fragt X < 4.5 Alexandryan 94 cs	$^{147}\text{Eu} X$ 4 Amroyan 93 cs
	γ Ta	$^{148}\text{Eu} X$ 4 Amroyan 93 cs
	$^7\text{Be} X$ 4 Amroyan 93 cs	$^{145}\text{Gd} X$ 4 Amroyan 93 cs
		$^{146}\text{Gd} X$ 4 Amroyan 93 cs

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.



γTa	$\gamma {}^{181}\text{Ta}$	$\gamma {}^{235}\text{U}$
${}^{149}\text{Gd} X$ 4 Amroyan 93	cs ${}^{88}\text{Yt} X$ 4 Amroyan 93B	cs 2fragt (fragts) 0.05 - 0.8 Frommhold 94 cor,cs,mass,p
${}^{151}\text{Gd} X$ 4 Amroyan 93	cs ${}^{102}\text{Rh} X$ 4 Amroyan 93B	cs 3fragt (fragts) 0 - 1.85 Arakelyan 95 cs
${}^{151}\text{Tb} X$ 4 Amroyan 93	cs ${}^{125}\text{Sb} X$ 4 Amroyan 93B	cs 2fragt 0 - 1.85 Arakelyan 95 cs
${}^{160}\text{Tb} X$ 4 Amroyan 93	cs ${}^{134}\text{Cs} X$ 4 Amroyan 93B	cs $\gamma {}^{238}\text{U}$
${}^{160}\text{Er} X$ 4 Amroyan 93	cs ${}^{143}\text{Pm} X$ 4 Amroyan 93B	cs inelastic 0.05 - 0.8 Frommhold 94 cs
${}^{161}\text{Er} X$ 4 Amroyan 93	cs ${}^{176}\text{Ta} X$ 4 Amroyan 93B	cs fragt X 0.25 - 1.2 Bianchi 93 a-dep,cs
${}^{165}\text{Tm} X$ 4 Amroyan 93	cs ${}^{178}\text{Ta} X$ 4 Amroyan 93B	cs fragt (fragts) 0.05 - 0.8 Frommhold 92 cs
${}^{167}\text{Tm} X$ 4 Amroyan 93	cs $\gamma {}^{184}\text{Wt}$	cs 0.2 - 1.2 Bianchi 93B cs
${}^{169}\text{Yb} X$ 4 Amroyan 93	cs $\pi^+ X$ 0.35 Ganenko 91 a-dep,asym,p	cs $p \gamma X$ 0.06 - 0.24 Ivanov 94 cs,p
${}^{169}\text{Lu} X$ 4 Amroyan 93	cs $\pi^- X$ 0.35 Ganenko 91 a-dep,asym,p	cs fragt (fragts) hadron 0.06 - 0.24 Ivanov 92 cs
${}^{170}\text{Lu} X$ 4 Amroyan 93	cs γAu	cs $\gamma \text{ fragt (fragts)}$ 0.06 - 0.24 Ivanov 92 cs
${}^{171}\text{Lu} X$ 4 Amroyan 93	cs fragt X 2 - 3 Astabatyan 91 angp	cs 2fragt (fragts) 0.05 - 0.8 Frommhold 94 cor,cs,mass,p
${}^{172}\text{Lu} X$ 4 Amroyan 93	cs γPb	cs $\gamma {}^{237}\text{Np}$
${}^{173}\text{Lu} X$ 4 Amroyan 93	cs X 0.3 - 1.2 Bianchi 94 a-dep,cs	cs fragt (fragts) hadron 0.06 - 0.24 Ivanov 92 cs
${}^{174}\text{Lu} X$ 4 Amroyan 93	cs 3.7 - 18.3 Arneodo 92 cs	cs $\gamma \text{ fragt (fragts)}$ 0.06 - 0.24 Ivanov 92 cs
${}^{177}\text{Lu} X$ 4 Amroyan 93	cs $\pi^+ X$ 0.184 - 0.213 Fissum 96 a-dep,angp,cs,p	cs $p \text{ fragt X}$ 0.06 - 0.24 Ivanov 94 cs,p
${}^{178}\text{Lu} X$ 4 Amroyan 93	cs 0.227 - 0.391 Arends 91 a-dep,angp,p	cs $\gamma {}^{239}\text{Pu}$
${}^{179}\text{Lu} X$ 4 Amroyan 93	cs $\pi^- X$ 0.227 - 0.391 Arends 91 a-dep,angp,p	cs 3fragt (fragts) 0 - 1.85 Arakelyan 95 cs
${}^{170}\text{Hf} X$ 4 Amroyan 93	cs $p X$ 0.227 - 0.391 Arends 91 a-dep,angp,p	cs 2fragt 0 - 1.85 Arakelyan 95 cs
${}^{171}\text{Hf} X$ 4 Amroyan 93	cs 0.69 - 1.95 Avakyan 91F angp,cs	cs $\gamma {}^{243}\text{Am}$
${}^{172}\text{Hf} X$ 4 Amroyan 93	cs < 4.5 Avakyan 91F angp,pol	cs 3fragt (fragts) 0 - 1.85 Arakelyan 95 cs
${}^{175}\text{Hf} X$ 4 Amroyan 93	cs 2jet X 50 - 400 Conrad 95 a-dep,ang,pt	cs 2fragt 0 - 1.85 Arakelyan 95 cs
${}^{179}\text{Hf} X$ 4 Amroyan 93	cs Naples 94 a-dep,ang,pt	cs $\gamma \text{ crystal}$
${}^{180}\text{Hf} X$ 4 Amroyan 93	cs $\gamma {}^{208}\text{Pb}$	cs $e^- e^+ X$ 100 Bassompierre 95 mass
${}^{181}\text{Hf} X$ 4 Amroyan 93	cs γX 0.058 Fuhrberg 92 p	cs $\gamma^* \gamma^*$
${}^{172}\text{Ta} X$ 4 Amroyan 93	cs 3fragt (fragts) 0 - 1.85 Arakelyan 95 cs	cs hadron (hadrons) (< 58) Suzuki 93C p,pt
${}^{174}\text{Ta} X$ 4 Amroyan 93	cs 2fragt 0 - 1.85 Arakelyan 95 cs	cs $D^*(2010)^+ X$ (< 58) Suzuki 93C pt
${}^{175}\text{Ta} X$ 4 Amroyan 93	cs ${}^{208}\text{Pb} \gamma$ 0.058 - 0.075 Fuhrberg 92 cs	cs $D^*(2010)^- X$ (< 58) Suzuki 93C pt
${}^{176}\text{Ta} X$ 4 Amroyan 93	cs $\gamma {}^{209}\text{Bi}$	cs $D^0 \pi^+ X$ (< 58) Suzuki 93C mass
${}^{178}\text{Ta} X$ 4 Amroyan 93	cs 3fragt (fragts) 0 - 1.85 Arakelyan 95 cs	cs $\bar{D}^0 \pi^- X$ (< 58) Suzuki 93C mass
${}^{179}\text{Ta} X$ 4 Amroyan 93	cs 2fragt 0 - 1.85 Arakelyan 95 cs	cs $\mu^- \mu^+$ (0.25 - 12) Akers 93C cs
${}^{180}\text{Ta} X$ 4 Amroyan 93	cs $\gamma {}^{232}\text{Th}$	cs 2jet (< 58) Suzuki 93C cor,p,pt
$\gamma {}^{181}\text{Ta}$	cs fragt X 0.25 - 1.2 Bianchi 93 a-dep,cs	cs $\pi^+ \pi^-$ (0.7625 - 1.188) Behrend 92 ang,cs,pwa
${}^{24}\text{Na} X$ 4 Amroyan 93B	cs $\gamma {}^{235}\text{U}$	cs $K^+ K^- + \pi^+ \pi^-$ (1.5 - 5) Dominick 94 angp,cs
${}^{46}\text{Sc} X$ 4 Amroyan 93B	cs inelastic 0.05 - 0.8 Frommhold 94 cs	
${}^{54}\text{Mn} X$ 4 Amroyan 93B	cs $p \text{ fragt X}$ 0.06 - 0.24 Ivanov 94 cs,p	
${}^{56}\text{Co} X$ 4 Amroyan 93B	cs	

γ^* nucleon \rightarrow nucleon ρ^0

ν_e $^{71}\text{Ga} \rightarrow$ $^{71}\text{Ge} e^-$

γ^* nucleon	ν deuteron	$\nu_e e^-$
nucleon ρ^0 40 - 180 Arneodo 95D angp,cs	Λ (neutrals) even-charged 0 - 260 Tenner 91 mult	$e^- \nu_e$ Morrison 92B p
$\gamma^* p$	Λ (neutrals) odd-charged 0 - 260 Tenner 91 mult	> 0.0075 Vignaud 95 cs,p Suzuki 91C p
X (50 - 240) Wolf 94 cs	K_S hadron $^-$ (neutrals) even-charged 0 - 260 Tenner 91 mult	> 0.0093 Spiro 92 cs > 0.01 Bowles 93 cs 0.02 - 0.053 Radel 93 cs Burman 91 angp,const
charged-hadron X (100 - 295) Kniehl 94 p,pt	$K^*(892)$ hadron $^-$ (neutrals) even-charged 0 - 260 Tenner 91 mult	
2jet X (100 - 295) Ahmed 92E cor,pt	Λ hadron $^-$ (neutrals) even-charged 0 - 260 Tenner 91 mult	ν_e nucleon $e^- X$ 0 - 10 Borodovsky 92 p < 1.5 Suzuki 93 cs
gluon q	$p n \nu$ > 0.005 Bowles 93 cs	$\nu_e n$ $p e^-$ 20 - 30 Vilain 94B cs,p
γq ? Abe 93E angp	ν ^{11}Bor $^{11}\text{Bor}^* \nu$ > 0.0045 Bowles 93 cs	ν_e nucleus X < 1 Allison 93B cs Goodman 92 cs
$H^0 p$	$\mu^- X$ 10 - 260 Hughes 93B p Virchaux 92 p Berge 89 p	$e^- X$ > 0.0075 Vignaud 95 cs,p 3 - 30 Ammosov 92B cs
$p e^- e^+$ < 70 Blumlein 91 cs	$3\mu^\pm X$ 60 - 165 Choban 91 cs	ν_e deuteron $2p e^-$ > 0.005 Bowles 93 cs
$p \mu^- \mu^+$ < 70 Blumlein 91 cs	$\bar{\nu}$ deuteron (neutrals) even-charged 0 - 260 Tenner 91 mult	ν_e ^{11}Bor $^{11}\text{C}^* e^-$ > 0.00198 Bowles 93 cs
$H^0 C$	(neutrals) odd-charged 0 - 260 Tenner 91 mult	ν_e ^{12}C $^{12}\text{C}^* \nu_e$ 0 - 0.035 Armbruster 94 cs 0 - 0.0528 Drexlin 91 cs
$C e^- e^+$ < 70 Blumlein 91 cs	hadron $^-$ (neutrals) even-charged 0 - 260 Tenner 91 mult	$^{12}\text{Nit} < ^{12}\text{C} e^+ \nu_e > e^-$ 0 - 0.035 Armbruster 94 cs 0 - 0.0528 Bodmann 94 cor,cs,p Bodmann 94B cor,cs,p Kretschmer 94B cor,cs,p
$C \mu^- \mu^+$ < 70 Blumlein 91 cs	$K^*(892)$ (neutrals) even-charged 0 - 260 Tenner 91 mult	$^{12}\text{Nit} e^-$ 0 - 0.0528 Bodmann 92 cs
axion γ^*	$K^*(892)$ (neutrals) odd-charged 0 - 260 Tenner 91 mult	$^{12}\text{Nit}^* e^-$ 0 - 0.035 Armbruster 94 cs
γ 0 Ruoso 92 const $2.8 \cdot 10^{-6} - 8.8 \cdot 10^{-6}$ Lazarus 92 const	Λ (neutrals) even-charged 0 - 260 Tenner 91 mult	ν_e ^{37}Cl $^{37}\text{Ar} e^-$ > 0.0008 Vignaud 95 cs Morrison 93B cs Rich 93 cs Anselmann 92B cs Bethe 92 p Morrison 92B p Spiro 92 cs
axion p	Λ (neutrals) odd-charged 0 - 260 Tenner 91 mult	> 0.00081 Bowles 93 cs 0.005 - 0.02 Vignaud 95 p Suzuki 90B p > 0.8 Morrison 93 cs
$p e^- e^+$ < 70 Blumlein 91 cs	K_S hadron $^-$ (neutrals) even-charged 0 - 260 Tenner 91 mult	ν_e ^{40}Ar $^{40}\text{KK}^* e^-$ > 0.01 Bowles 93 cs
$p \mu^- \mu^+$ < 70 Blumlein 91 cs	$K^*(892)$ hadron $^-$ (neutrals) even-charged 0 - 260 Tenner 91 mult	ν_e ^{71}Ga $^{71}\text{Ge} e^-$ > 0.0002 Abdurashitov 94 cs Morrison 93B cs Rich 93 cs Bethe 92 p Morrison 92B p Spiro 92 cs Abazov 91 cs
axion C	Λ (neutrals) even-charged 0 - 260 Tenner 91 mult	> 0.00023 Bowles 93 cs 0.000233 - 0.00042 Anselmann 93 cs
$C e^- e^+$ < 70 Blumlein 91 cs	Λ (neutrals) odd-charged 0 - 260 Tenner 91 mult	
$C \mu^- \mu^+$ < 70 Blumlein 91 cs	K_S (neutrals) even-charged 0 - 260 Tenner 91 mult	
νe^-	K_S (neutrals) odd-charged 0 - 260 Tenner 91 mult	
$e^- \nu$ > 0.005 Bowles 93 cs > 0.0075 Vignaud 95 cs,p	$K^*(892)$ (neutrals) even-charged 0 - 260 Tenner 91 mult	
ν nucleus	Λ hadron $^-$ (neutrals) even-charged 0 - 260 Tenner 91 mult	
$\pi^\pm X$ 19.3 - 23.8 Gruwe 93 angp,p	$\bar{\nu}$ Fe $\mu^+ X$ 10 - 260 Hughes 93B p Virchaux 92 p Berge 89 p	
$(\pi^\pm)_s \ell^\pm X$ > 1 Sato 90 cs,p	$\nu_e e^-$ $e^- \nu_e$ 0 - 0.01 Suzuki 93 cs 0 - 0.053 Allen 93 cs	
$\pi^\pm (\pi^\pm)_s X$ > 1 Sato 90 cs,p	0.005 - 0.01 Suzuki 91 angp 0.005 - 0.05 Suzuki 93 cs Konishi 93 cs Losecco 92 cs Bowles 93 cs > 0.005 Morrison 93 cs > 0.007 Morrison 93B cs Anselmann 92B cs Bethe 92 p	
ν deuteron	(neutrals) even-charged 0 - 260 Tenner 91 mult	
(neutrals) odd-charged 0 - 260 Tenner 91 mult		
hadron $^-$ (neutrals) even-charged 0 - 260 Tenner 91 mult		
K_S (neutrals) even-charged 0 - 260 Tenner 91 mult		
K_S (neutrals) odd-charged 0 - 260 Tenner 91 mult		
$K^*(892)$ (neutrals) even-charged 0 - 260 Tenner 91 mult		
$K^*(892)$ (neutrals) odd-charged 0 - 260 Tenner 91 mult		

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$\nu_e {}^{71}\text{Ga} \rightarrow {}^{71}\text{Ge} e^-$ $\nu_\mu p \rightarrow p \pi^+ \mu^-$

$\nu_e {}^{71}\text{Ga}$	$\nu_\mu e^-$	$\nu_\mu p$
${}^{71}\text{Ge} e^-$	$e^- \nu_\mu$	$D_s^+ \mu^- X$
> 0.000233 Anselmann 95B cs	Vilain 93B angp,const	0 - 150 Asratyan 92 angp,cs
Vignaud 95 p	Rolandi 92	$D_s^{*+} \mu^- X$
Anselmann 94 p	Vilain 92 angp,const,cs	0 - 150 Asratyan 92 angp,cs
Stolarczyk 93 p	Geiregat 91 const,cs	$D_{s1}(2530)^+ \mu^- X$
< 0.00042 Morrison 93 cs	Radel 93 cs,p	61.4 Asratyan 94 cs
Morrison 93B cs		$\Lambda \mu^- X$
Anselmann 92 cs		5 - 160 Jones 93B cs,mult,p,pt
0.00042 - 0.00086 Morrison 93 cs	$\mu^- \nu_e$	$\bar{\Lambda} \mu^- X$
Morrison 93B cs	10 - 160 Dorenbosch 89 const,cs	5 - 160 Jones 93B cs,mult,p,pt
Anselmann 92 cs	10.9 - 23.8 Vilain 95B	$\Sigma(1385 P_{13})^+ \mu^- X$
< 0.00042 Morrison 93 cs	> 10.9 Vilain 95B	5 - 160 Jones 93B mult,p,pt
Morrison 93B cs	10.9 - 600 Fetscher 93 const,cs	$\Sigma(1385 P_{13})^- \mu^- X$
Anselmann 92 cs	10.9 - 23.8 Vilain 95B	5 - 160 Jones 93B mult,p,pt
0.00042 - 0.00086 Morrison 93 cs	> 10.9 Vilain 95B	$\mu^- 2\text{charged}^+ X$
Morrison 93B cs		0 - 150 Korotkov 93 angp,mass,p,pt
Anselmann 92 cs		$\mu^- \text{charged}^+ \text{charged}^- X$
0.000426 - 0.000751 Bahcall 95 cs	$\nu_\mu q$	0 - 150 Korotkov 93 angp,mass,p,pt
< 0.014 Morrison 93 cs	$\mu^- q$	$\mu^- 2\text{charged}^- X$
Morrison 93B cs	10 - 600 Mishra 92 const	0 - 150 Korotkov 93 angp,mass,p,pt
Anselmann 92 cs	30 - 600 Leung 93 const	$\pi^+ \pi^- \mu^- X$
Anselmann 92B cs		10 - 150 Zaetz 95 ang,mass,p
Morrison 93 cs		$\rho^0 \mu^- \text{hadron (hadrons)}$
	$\nu_\mu \text{nucleon}$	10 - 200 Jones 91B angp,mult,p
$\bar{\nu}_e e^-$	$\nu_\mu X$	$2K_S \mu^- X$
W^-	10 - 160 Rolandi 92 cs	5 - 160 Jones 93B cs,mult,p,pt
$6.4 \cdot 10^6$ Aglietta 94 cs	$\mu^- X$	$\bar{\Lambda} K^0 \mu^- X$
$e^- \bar{\nu}_e$	0 - 10 Borodovsky 92 p	5 - 160 Jones 93B cs,mult,p,pt
0.0002 - 0.002 Derbin 92 cs	< 1.5 Suzuki 93 cs	$2\Lambda \mu^- X$
0.0006 - 0.0052 Derbin 92B cs	3 - 30 Anikeev 95 cs	5 - 160 Jones 93B cs,mult,p,pt
0.0015 - 0.0045 Radel 93 cs	10 - 160 Rolandi 92 cs	$\Lambda \bar{\Lambda} \mu^- X$
0.002 - 0.009 Vidyaikin 91 const,cs	10 - 200 Virchaux 92 p	5 - 160 Jones 93B cs,mult,p,pt
0.004 - 0.01 Radel 93 cs	20 - 600 Yang 96 angp,p	$\mu^- 2\text{charged}^- \text{mult}[\text{charged}] X$
	? Roberts 91 p	0 - 150 Korotkov 93 angp,mass,mult,p,pt
	heavy- νX	$\pi^+ \pi^- \mu^- \text{hadron (hadrons)}$
	5 - 100 Vilain 95 cs	10 - 200 Jones 91B mass
	$K_S \mu^- X$	$\Lambda \bar{\Lambda} K^0 \mu^- X$
	150 Aderholz 92 cs,p	5 - 160 Jones 93B cs,mult,p,pt
$\bar{\nu}_e \text{nucleon}$	$\Lambda \mu^- X$	$K^+ K^- \pi^+ \mu^- \gamma X$
$e^+ X$	150 Aderholz 92 cs,p	61.4 Asratyan 94 mass
0 - 10 Borodovsky 92 p	$\bar{\Lambda} \mu^- X$	$K^+ K^- \pi^+ \pi^0 \mu^- X$
< 1.5 Suzuki 93 cs	150 Aderholz 92 cs,p	61.4 Asratyan 94 mass
$\bar{\nu}_e p$	$\mu^- \text{hadron (hadrons)} X$	$K^*(892)^- K^+ \pi^+ \mu^- \gamma X$
$n e^+$	150 Aderholz 92 cs,p	61.4 Asratyan 94 mass
0 - 53 Freedman 93 cs	$\mu^- \mu^+ \nu_\mu X$	$K^*(892)^- K^+ \pi^+ \pi^0 \mu^- X$
0.002 - 0.009 Vidyaikin 94 cs	5 - 100 Vilain 95 angp	61.4 Asratyan 94 mass
Kuvshinnikov 91 const,cs	$2\mu^- \mu^+ X$	61.4 Asratyan 94 mass
Mikaelyan 91 cs	20 - 200 Choban 91 cs,p	$p \nu_\mu$
Vidyaikin 91 cs		0 - 12 Garvey 93 angp,const,cs
Vyrodov 95 cs	$\nu_\mu p$	$\Delta(1232 P_{33})^{++} \mu^-$
Declais 94 cs	$\mu^- X$	3 - 30 Ammosov 92B cs
Konishi 93 cs	3 - 30 Ammosov 92B cs	$\Sigma_c(2455)^{++} \mu^-$
Losecco 92 cs	5 - 150 Virchaux 92 p	3 - 30 Ammosov 93 cs
< 0.01 Achkar 95 cs	5 - 160 Jones 94C angp,p	$\Sigma_c(2530)^{++} \mu^-$
Ketov 92 cs	5 - 160 Jones 94D angp,p	3 - 30 Ammosov 93 cs
Skorokhvatov 92 cs	10 - 250 Virchaux 92 cs,p	$p \pi^+ \mu^-$
Grassi 93 p		3 - 30 Ammosov 92B cs
20 - 30 Vilain 94B cs,p	$\mu^- \text{mult}[\text{charged}] (\text{neutrals})$	
	10 - 150 Jones 91C mass,mult,p	
$\bar{\nu}_e \text{deuteron}$	$\rho^0 \mu^- X$	
$p n \bar{\nu}_e$	10 - 150 Zaetz 95 dme	
0.002 - 0.009 Mikaelyan 91 cs	$f_2(1270) \mu^- X$	
Vidyaikin 91 cs	10 - 200 Jones 91 angp,mass,mult,p,pt	
$2n e^+$	$K_S \mu^- X$	
0.002 - 0.009 Mikaelyan 91 cs	5 - 160 Jones 93B cs,mult,p,pt	
Vidyaikin 91 cs	$K^*(892)^+ \mu^- X$	
	5 - 160 Jones 93B mult,p,pt	
	$K^*(892)^- \mu^- X$	
	5 - 160 Jones 93B mult,p,pt	
	$D^*(2010)^+ \mu^- X$	
	10 - 200 Asratyan 95 cs	

$\nu_\mu p \rightarrow p \rho^+ \mu^-$

$\nu_\mu \text{deuteron} \rightarrow p(\text{spect}) n \pi^+ \mu^-$

$\nu_\mu p$	$\nu_\mu \text{nucleus}$	$\nu_\mu \text{nucleus}$	$\nu_\mu \text{nucleus}$
$p \rho^+ \mu^-$ 10 - 60 Jones 93C angp,cs,p	$\mu^- \text{shower X}$ 10 - 200 Ammosov 92 mult	$p \pi^+ \mu^- X$ 3 - 30 Ammosov 92B p	
$p \pi^+ \pi^0 \mu^-$ 10 - 60 Jones 93C mass	$\mu^- \text{grey X}$ 10 - 200 Ammosov 92 mult	$p \pi^- \mu^- X$ 3 - 30 Ammosov 92B p	
$p \rho^0 \pi^+ \mu^-$ 10 - 60 Jones 93C angp,cs,p	$\mu^- \text{htrack X}$ 10 - 200 Ammosov 92 mult	$2p \mu^- X$ 3 - 30 Ammosov 92B p Ammosov 90 angp	
$p 2\pi^0 \nu_e \text{heavy-lepton}^0$ 3 - 30 Ammosov 92B cs	$\mu^- \text{black X}$ 10 - 200 Ammosov 92 mult	$\pi^+ \mu^- \text{fragt charged}^+ (\text{neutrals})$ 3 - 30 Ammosov 93 mass	
$p 2\pi^+ \pi^- \mu^-$ 10 - 60 Jones 93C mass	$\mu^- \gamma X$ 3 - 30 Ammosov 92B angp	$\text{nucleus } \pi^+ \mu^-$ 3 - 30 Ammosov 92B cs 23.7 Vilain 93C cs,p	
$\nu_\mu n$	$\mu^- e^- X$ 3 - 30 Ammosov 92B cs	$\text{nucleus } \pi^0 \nu_\mu$ 3 - 30 Ammosov 92B cs	
$\mu^- X$ 3 - 30 Ammosov 92B cs 10 - 250 Virchaux 92 cs,p	$\mu^- e^+ X$ 3 - 30 Ammosov 92B cs	$\nu_\mu \text{deuteron}$	
$p \mu^-$ 3 - 30 Ammosov 92B cs,p 20 - 30 Vilain 94B cs,p	$2\mu^- X$ 30 - 600 Smith 92B cs	$\mu^- X$ 0.4 - 6 Merenyi 92 angp,p ? Roberts 91 p	
$p \pi^0 \mu^-$ 3 - 30 Ammosov 92B cs	$\mu^- \mu^+ X$ 20 - 500 Strongin 91 const,cs,p Hughes 93B const,cs Rabinowitz 93 const,cs Smith 92B cs	$\pi^\pm X$ 0.4 - 6 Merenyi 92 angp,p	
$n \pi^+ \mu^-$ 3 - 30 Ammosov 92B cs	$\pi^+ \mu^- X$ 3 - 30 Ammosov 92B mult	$\mu^- \text{mult}[\text{charged}] (\text{neutrals})$ 5 - 200 Verluyten 91 cor,mult,p	
$\nu_\mu \text{nucleus}$	$\pi^0 \mu^- X$ 3 - 30 Ammosov 92B mult	$\rho^0 \mu^- X$ 10 - 260 Zaetz 95 dme	
X < 1 Allison 93B cs Goodman 92 cs	$\pi^- \mu^- X$ 3 - 30 Ammosov 92B mult	$D^*(2010)^+ \mu^- X$ 10 - 260 Asratyan 95 cs	
$\nu_\mu X$ 3 - 30 Ammosov 92B cs 30 - 600 Smith 92B const,cs	$\rho^0 \mu^- X$ 3 - 30 Ammosov 92B mult,p,pt	$D_s^+ \mu^- X$ 0 - 260 Asratyan 92 angp,cs	
$\mu^- X$ > 0.0075 Vignaud 95 cs,p 3 - 30 Ammosov 92B cs 30 - 600 Smith 92B const,p	$\mu^- \text{strange X}$ 3 - 30 Ammosov 92B cs	$D_s^{*+} \mu^- X$ 0 - 260 Asratyan 92 angp,cs	
$\text{mult}[\text{grey}] X$ 10 - 200 Dayon 92 a-dep,mult 49 - 63 Gorichev 93 mult	$K^0 \mu^- X$ 3 - 30 Aleshin 95B mult	$D_{s1}(2536)^+ \mu^- X$ 61.4 Asratyan 94 cs	
$\text{mult}[\text{htrack}] X$ 49 - 63 Gorichev 93 mult	$K_S \mu^- X$ 3 - 30 Ammosov 92B cs,p,pt	$p \mu^- X$ 5 - 160 Jones 94C angp,p Jones 94D angp,p	
$\text{mult}[\text{black}] X$ 49 - 63 Gorichev 93 mult	$\mu^- \text{charm X}$ 3 - 30 Aleshin 95B cs Ammosov 92B cs	$n \mu^- X$ 5 - 160 Jones 94C angp,p Jones 94D angp,p	
grey X 10 - 200 Dayon 92 angp,mult,p 49 - 63 Gorichev 93 angp,mult	$D \mu^- X$ 3 - 30 Ammosov 92B cs	$\mu^- 2\text{charged}^+ X$ 0 - 260 Korotkov 93 angp,mass,p,pt	
black X 49 - 63 Gorichev 93 angp,mult	$D_s^+ \mu^- X$ 0 - 200 Asratyan 92 angp,cs 10 - 100 Asratyan 92 angp,cs	$\mu^- \text{charged}^+ \text{charged}^- X$ 0 - 260 Korotkov 93 angp,mass,p,pt	
$\text{mult}[\pi^+] \mu^- X$ 3 - 30 Ammosov 92B mult	$D_s^{*+} \mu^- X$ 0 - 200 Asratyan 92 angp,cs 10 - 100 Asratyan 92 angp,cs	$\mu^- 2\text{charged}^- X$ 0 - 260 Korotkov 93 angp,mass,p,pt	
$\text{mult}[\pi^0] \mu^- X$ 3 - 30 Ammosov 92B mult	$p \mu^- X$ 3 - 30 Ammosov 92B p	$\pi^+ \pi^- \mu^- X$ 10 - 260 Zaetz 95 ang,mass,p	
$\text{mult}[\pi^-] \mu^- X$ 3 - 30 Ammosov 92B mult	$\Lambda \mu^- X$ 3 - 30 Aleshin 95B mult Ammosov 92B cs,p,pt	$\mu^- 2\text{charged}^- \text{mult}[\text{charged}] X$ 0 - 260 Korotkov 93 angp,mass,mult,p,pt	
$\mu^- \text{mult}[\text{shower}] X$ 10 - 200 Ammosov 92 mult	$\Lambda_c^+ \mu^- X$ 3 - 30 Ammosov 92B cs	$K^0 K^- 2\pi^+ \mu^- X$ 61.4 Asratyan 94 mass	
$\mu^- \text{mult}[\text{grey}] X$ 10 - 200 Ammosov 92 mult	$\mu^- \mu^+ \nu_\mu X$ 10 - 600 Mishra 91 cs	$p(\text{spect}) n \pi^+ \pi^0 (\pi^0\text{'s}) \mu^-$ 0.4 - 6 Merenyi 92 cs	
$\mu^- \text{mult}[\text{htrack}] X$ 10 - 200 Ammosov 92 mult	$\pi^0 \mu^- \text{mult}[\text{hadron}^-] X$ 3 - 30 Ammosov 92B mult	$n(\text{spect}) p \pi^+ \pi^0 (\pi^0\text{'s}) \mu^-$ 0.4 - 6 Merenyi 92 cs	
$\mu^- \text{mult}[\text{black}] X$ 10 - 200 Ammosov 92 mult	$2\pi^+ \mu^- X$ 3 - 30 Ammosov 92B mass Ammosov 90 angp,mass	$n(\text{spect}) n 2\pi^+ (\pi^0\text{'s}) \mu^-$ 0.4 - 6 Merenyi 92 cs	
$\mu^- \text{charged X}$ 10 - 200 Gorichev 91 ang,mult,p	$\pi^+ \pi^- \mu^- X$ 3 - 30 Ammosov 92B mass	$p(\text{spect}) p \mu^-$ 0.4 - 6 Merenyi 92 cs	
$\mu^- \text{hadron}^+ X$ 3 - 30 Ammosov 92B mult	$2\pi^- \mu^- X$ 3 - 30 Ammosov 92B mass Ammosov 90 angp,mass	$p(\text{spect}) p \pi^0 \mu^-$ 0.4 - 6 Merenyi 92 cs	
$\mu^- \text{hadron}^- X$ 3 - 30 Ammosov 92B mult	$p \text{mult}[p] \mu^- X$ 3 - 30 Ammosov 92B mult	$p(\text{spect}) n \pi^+ \mu^-$ 0.4 - 6 Merenyi 92 cs	
$\mu^- \text{charged-hadron X}$ 3 - 30 Ammosov 92B p,pt 10 - 100 Berggren 90 col,const,mass,p,pt			

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

ν_μ deuteron $\rightarrow n(\text{spect}) p \pi^+ \mu^-$ $\bar{\nu}_\mu p \rightarrow \mu^+ \text{mult}[\text{charged}] (\text{neutrals})$

ν_μ deuteron	ν_μ Ne	ν_μ Fe
$n(\text{spect}) p \pi^+ \mu^-$ 0.4 - 6 Merenyi 92 cs	$\pi^+ \pi^- \mu^- X$ 10 - 200 Zaetz 95 ang,mass,p 10 - 300 Deprospro 94	$\mu^- X$ 10 - 260 Virchaux 92 cs,p 10 - 600 Mishra 92 p 15 - 600 Quintas 93
$p(\text{spect}) p 2\pi^0 \mu^-$ 0.4 - 6 Merenyi 92 cs	$K_S \mu^- e^+ X$ 10 - 200 Baker 91 cs	30 - 230 Oltman 92 angp,cs,p 30 - 600 Arroyo 94 const,cs
$p(\text{spect}) p \pi^+ \pi^- \mu^-$ 0.4 - 6 Merenyi 92 cs	$n \mu^- \gamma X$ 10 - 300 Deprospro 94 angp,mass,p	Mallot 94 p King 93 const,cs Leung 93 p Bodek 92 p Virchaux 92 cs Roberts 91 p
ν_μ ^{12}C	$\bar{n} \mu^- \gamma X$ 10 - 300 Deprospro 94 angp,mass,p	$2\mu^- X$ 30 - 600 Sandler 92 ang,cs,p,pt
$\mu^- X$ 0.1237 - 0.28 Albert 95 cs 202 Koetke 92 cs	$p \pi^+ \mu^- X$ 0.4 - 6 Merenyi 92 cs	$\mu^- \mu^+ X$ 30 - 600 Bazarko 93 const,cs Sakumoto 92B
$^{12}\text{Nit} \mu^-$ 202 Koetke 92 cs	$p \pi^0 \mu^- X$ 0.4 - 6 Merenyi 92 cs	< 600 Bazarko 95 const,p
ν_μ Ne	$p \pi^- \mu^- X$ 10 - 300 Deprospro 94 angp,mass,p	$2\mu^- \mu^+ X$ 10 - 150 Choban 91 cs,mass
$\mu^- X$ 0.4 - 6 Merenyi 92 angp,p	$n \pi^+ \mu^- X$ 0.4 - 6 Merenyi 92 cs	$\mu^- 2\mu^+ X$ 10 - 150 Choban 91 cs,mass
$\pi^\pm X$ 0.4 - 6 Merenyi 92 angp,p	$\bar{p} \pi^+ \mu^- X$ 10 - 300 Deprospro 94 angp,mass,p	$\bar{\nu}_\mu e^-$
$\mu^- e^+ X$ 10 - 200 Baker 91 cs,p	$\Lambda \mu^- \gamma X$ 10 - 300 Deprospro 94 angp,mass,p	$e^- \bar{\nu}_\mu$ 1.3 Radel 93 cs,p 2 Radel 93 cs,p 10 - 160 Dorenbosch 89 const,cs 19.1 Vilain 94 const,cs
$\rho^0 \mu^- X$ 10 - 100 Zaetz 95 dme 10 - 200 Zaetz 95 dme	$\Lambda \mu^- e^+ X$.10 - 200 Baker 91 cs	Vilain 94D const,cs Vilain 93 angp,const Vilain 93B angp,const Rolandi 92 angp,const,cs
$K_S \mu^- X$ 10 - 300 Deprospro 94 mult,p,pt	$\mu^- 2\text{charged}^- \text{mult}[\text{charged}] X$ 0 - 200 Korotkov 93 angp,mass,mult,p,pt 10 - 100 Korotkov 93 angp,mass,mult,p,pt	Vilain 92 angp,const,cs Geiregat 91 const,cs Vilain 94C angp Radel 93 cs,p
$D^+ \mu^- X$ 10 - 200 Baker 91 cs	$K^*(892)^- K^+ \mu^- \gamma X$ 61.4 Asratyan 94 mass	$\bar{\nu}_\mu q$
$D^0 \mu^- X$ 10 - 200 Baker 91 cs	$K^*(892)^- K^+ \pi^0 \mu^- X$ 61.4 Asratyan 94 mass	$\mu^+ q$ 10 - 600 Mishra 92 const 30 - 600 Leung 93 const
$D^*(2010)^+ \mu^- X$ 10 - 100 Asratyan 95 cs,p	$p 2\pi^0 \mu^- X$ 0.4 - 6 Merenyi 92 cs	$\bar{\nu}_\mu$ nucleon
$D_1(2420)^0 \mu^- X$ 10 - 100 Asratyan 95 cs	$p \pi^+ \pi^- \mu^- X$ 0.4 - 6 Merenyi 92 cs	$\mu^+ X$ 0 - 10 Borodovsky 92 p < 1.5 Suzuki 93 cs 3 - 30 Anikeev 95 cs 10 - 200 Virchaux 92 p 20 - 600 Yang 96 angp,p ? Roberts 91 p
$D_2^*(2460)^0 \mu^- X$ 10 - 100 Asratyan 95 cs	$K^0 K_S \pi^+ \pi^0 \mu^- X$ 61.4 Asratyan 94 mass	$K_S \mu^+ X$ 110 Aderholz 92 cs,p
$D_{s1}(2536)^+ \mu^- X$ 61.4 Asratyan 94 cs	$p \pi^+ \pi^0 (\pi^0\text{'s}) \mu^- X$ 0.4 - 6 Merenyi 92 cs	$\Lambda \mu^+ X$ 110 Aderholz 92 cs,p
$p \mu^- X$ 0.4 - 6 Merenyi 92 cs	$n 2\pi^+ (\pi^0\text{'s}) \mu^- X$ 0.4 - 6 Merenyi 92 cs	$\bar{\Lambda} \mu^+ X$ 110 Aderholz 92 cs,p
$\Lambda \mu^- X$ 10 - 300 Deprospro 94 mult,p,pol,pt	$n \pi^+ \pi^0 (\pi^0\text{'s}) \mu^- X$ 0.4 - 6 Merenyi 92 cs	$\mu^+ \text{hadron (hadrons)} X$ 110 Aderholz 92 cs,p
$\bar{\Lambda} \mu^- X$ 10 - 300 Deprospro 94 mult,p,pt	$n \pi^+ \pi^0 (\pi^0\text{'s}) \mu^- X$ 0.4 - 6 Merenyi 92 cs	$\mu^- 2\mu^+ X$ 20 - 200 Choban 91 cs,p
$\Sigma^0 \mu^- X$ 10 - 300 Deprospro 94 cs	$\text{Ne} \pi^+ \mu^-$ 10 - 300 Willocq 92 angp,cs 10 - 400 Willocq 92B angp,cs,mass,p	$\bar{\nu}_\mu p$
$\Lambda_c^+ \mu^- X$ 10 - 200 Baker 91 cs	$\text{Ne} \rho^+ \mu^-$ 10 - 300 Willocq 92 angp,cs 10 - 400 Willocq 92B angp,cs,mass,p	$\mu^+ X$ 3 - 30 Ammosov 92B cs 5 - 150 Virchaux 92 p 5 - 160 Jones 94C angp,p 10 - 250 Jones 94D angp,p Virchaux 92 cs,p
$\mu^- 2\text{charged}^+ X$ 0 - 200 Korotkov 93 angp,mass,p,pt 10 - 100 Korotkov 93 angp,mass,p,pt	ν_μ Al	$\mu^+ \text{mult}[\text{charged}] (\text{neutrals})$ 10 - 150 Jones 91C mass,mult,p
$\mu^- \text{charged}^+ \text{charged}^- X$ 0 - 200 Korotkov 93 angp,mass,p,pt 10 - 100 Korotkov 93 angp,mass,p,pt	$\mu^- X$ 3 - 30 Anikeev 95 cs	
$\mu^- 2\text{charged}^- X$ 0 - 200 Korotkov 93 angp,mass,p,pt 10 - 100 Korotkov 93 angp,mass,p,pt	ν_μ Fe	
$2\mu^- e^+ X$ 10 - 100 Choban 91 cs	$\nu_\mu X$ 10 - 160 Rolandi 92 const,cs,p 30 - 600 Arroyo 94 const,cs King 93 const,cs	
$2\mu^- \mu^+ X$ 10 - 100 Choban 91 cs	$\mu^- X$ 10 - 160 Rolandi 92 const,cs,p	
$\pi^+ \pi^- \mu^- X$ 10 - 100 Zaetz 95 ang,mass,p		

$\bar{\nu}_\mu \text{Ne} \rightarrow \bar{D}_1(2420)^0 \mu^+ X$ $e^- p \rightarrow \nu X$

$\bar{\nu}_\mu \text{Ne}$	$\bar{\nu}_\mu \text{Ne}$	$\bar{\nu}_\mu \text{Ne}$	$\nu_\tau e^-$
$\bar{D}_1(2420)^0 \mu^+ X$ 10 - 100 Asratyan 95 cs	$\phi(1020) \pi^- \gamma X$ 10 - 300 Asratyan 90 mass	$e^- \nu_\tau$ < 400 Babu 94 Coopersarkar 91 cs	
$\bar{D}_2^*(2460)^0 \mu^+ X$ 10 - 100 Asratyan 95 cs	$\mu^+ 2\text{charged}^- \text{mult}[\text{charged}] X$ 0 - 200 Korotkov 93 angp,mass,mult,p,pt	$\nu_\tau \text{nucleon}$	
$D_{s1}(2536)^- \mu^+ X$ 48.6 Asratyan 94 cs	10 - 100 Korotkov 93 angp,mass,mult,p,pt	$\tau^- X$ 20 Danilov 94 cs	
$\Lambda \mu^+ X$ 10 - 200 Willocq 91 mult,p,pol,pt	$\Lambda 2K_S \mu^+ X$ 10 - 200 Willocq 91 mult	$\nu_\tau \text{nucleus}$	
10 - 300 Deprospro 94 mult,p,pol,pt	$2K_S \pi^- \gamma X$ 10 - 300 Asratyan 90 mass	$\tau^- X$ 19.3 - 23.8 Gruwe 93 cs	
$\bar{\Lambda} \mu^+ X$ 10 - 200 Willocq 91 mult	$\phi(1020) \pi^0 \pi^- \gamma X$ 10 - 300 Asratyan 90 mass	$\bar{\nu}_\tau e^-$	
10 - 300 Deprospro 94 mult,p,pt	$K^+ \bar{K}^0 \pi^0 2\pi^- \mu^+ X$ 48.6 Asratyan 94 mass	$e^- \bar{\nu}_\tau$ < 400 Coopersarkar 91 cs	
$\Sigma^0 \mu^+ X$ 10 - 200 Willocq 91 mult	Ne $\pi^- \mu^+$ 10 - 300 Willocq 92 angp,cs	$\bar{\nu}_\tau \text{nucleus}$	
10 - 300 Deprospro 94 cs	10 - 400 Willocq 92B angp,cs,mass,p	$\tau^+ X$ 19.3 - 23.8 Gruwe 93 cs	
$D_s^- \gamma X$ 10 - 300 Asratyan 90 mass	Ne $\rho^- \mu^+$ 10 - 300 Willocq 92 angp,cs	$e^\pm \text{nucleus}$	
$\mu^+ 2\text{charged}^+ X$ 0 - 200 Korotkov 93 angp,mass,p,pt	10 - 400 Willocq 92B angp,cs,mass,p	$2\pi^+ X$ 5 Degtyarenko 95 cor	
10 - 100 Korotkov 93 angp,mass,p,pt	Ne $a_1(1260)^- \mu^+$ 10 - 100 Marage 91 cs	$\pi^+ \pi^- X$ 5 Degtyarenko 95 cor	
$\mu^+ \text{charged}^+ \text{charged}^- X$ 0 - 200 Korotkov 93 angp,mass,p,pt	Ne $\rho^0 \pi^- \mu^+$ 10 - 100 Marage 91 cs,mass	$2\pi^- X$ 5 Degtyarenko 95 cor	
10 - 100 Korotkov 93 angp,mass,p,pt	Ne $\rho^- \pi^0 \mu^+$ 10 - 100 Marage 91 cs,mass	$e^\pm 16\text{O}$	
$\mu^+ 2\text{charged}^- X$ 0 - 200 Korotkov 93 angp,mass,p,pt	Ne $\pi^0 \pi^- \mu^+ \gamma$ 10 - 100 Marage 91 angp,cs,mass	$p \pi^+ X$ 5.001 Degtyarenko 94B cor	
10 - 100 Korotkov 93 angp,mass,p,pt	Ne $2\pi^0 \pi^- \mu^+$ 10 - 100 Marage 91 angp,cs,mass	$p \pi^- X$ 5.001 Degtyarenko 94B cor	
$\pi^+ \pi^- \mu^+ X$ 10 - 100 Zaetz 95 ang,mass,p	Ne $\pi^+ 2\pi^- \mu^+$ 10 - 100 Marage 91 angp,cs,mass	$2p X$ 5 Degtyarenko 93 ang,cor,mass,pt	
10 - 200 Zaetz 95 ang,mass,p		5.001 Degtyarenko 94B cor	
10 - 300 Willocq 91 mass		$2p \text{mult}[p] X$ 5 Degtyarenko 93 cor,mult	
10 - 300 Deprospro 94 angp,mass,p	$\bar{\nu}_\mu \text{Al}$	$e^- \gamma$	
$2K_S \mu^+ X$ 10 - 200 Willocq 91 mult	$\mu^+ X$ 3 - 30 Anikeev 95 cs	$e^- X$ 25 - 30.7 Sahu 95 p	
$n \mu^+ \gamma X$ 10 - 300 Deprospro 94 angp,mass,p	$\bar{\nu}_\mu \text{Fe}$	45.6 Sahu 95B p	
$\bar{n} \mu^+ \gamma X$ 10 - 300 Deprospro 94 angp,mass,p	$\bar{\nu}_\mu X$ 10 - 160 Rolandi 92 const,cs,p	Akers 93G angp,mass,p	
$p \pi^- \mu^+ X$ 10 - 200 Willocq 91 mass	30 - 600 Arroyo 94 const,cs	$\pi^+ \pi^- e^- 3\gamma X$ 14.5 Bauer 93 cs,mass	
10 - 300 Deprospro 94 angp,mass,p	$\mu^+ X$ 10 - 160 Rolandi 92 const,cs,p	$\pi^+ \pi^- e^- 4\gamma X$ 14.5 Bauer 93 cs,mass	
$\bar{p} \pi^+ \mu^+ X$ 10 - 300 Deprospro 94 angp,mass,p	10 - 260 Virchaux 92 cs,p	$e^- \gamma^*$	
$\Lambda \mu^+ \gamma X$ 10 - 200 Willocq 91 mass	10 - 600 Mishra 92 p	$e^- \text{unspec}$ 150 Bassompierre 93 cs	
10 - 300 Deprospro 94 angp,mass,p	15 - 600 Quintas 93 angp,const,p	$e^- e^-$	
$\Lambda K_S \mu^+ X$ 10 - 200 Willocq 91 mult	30 - 230 Oltman 92 angp,p	$2e^-$ 0.0026 - 0.0029 Gobel 92 angp	
$\bar{\Lambda} K_S \mu^+ X$ 10 - 200 Willocq 91 mult	30 - 600 Arroyo 94 const,cs	$e^- \text{nucleon}$	
$2\Lambda \mu^+ X$ 10 - 200 Willocq 91 mult	37.1 - 230 Virchaux 92 cs	$e^- X$ 1.5 - 5.5 Stuart 93 cs	
$\Lambda \bar{\Lambda} \mu^+ X$ 10 - 200 Willocq 91 mult	? Roberts 91 p	$\Delta(1232 P_{33}) e^-$ 1.5 - 5.5 Stuart 93 cs	
$K_S K^- \gamma X$ 10 - 300 Asratyan 90 mass	$\mu^- \mu^+ X$ 30 - 600 Bazarko 93 const,cs	$e^- p$	
$K^*(892)^0 K^- \gamma X$ 10 - 300 Asratyan 90 mass	< 600 Bazarko 95 const,p	X (295) Derrick 93C cs,et	
	$2\mu^+ X$ 30 - 600 Sandler 92 ang,cs,p,pt	(296) Ahmed 92E cs,et	
	$2\mu^- \mu^+ X$ 10 - 150 Choban 91 cs,mass	(296) Lohr 95 cs	
	$\mu^- 2\mu^+ X$ 10 - 150 Choban 91 cs,mass	νX (296) Ahmed 94G cs,pt	

$e^- p \rightarrow \nu_e X$

$e^- p \rightarrow e^- Z^0 X$

$e^- p$			$e^- p$			$e^- p$		
$\nu_e X$			lepto-quark X			ν_e jet X		
(295)	Ahmed 94	et,p	(295)	Ahmed 94	cs	(295)	Barreiro 94	
(296)	Derrick 95D	angp,cs,p		Barreiro 94	cs		angp,cor,et,p,pt	
	Haas 94	cs,pt		Greenshaw 94	cs	(296)	Derrick 93	cs,mass,p
	Derrick 93	cs,mass,p		Kiesling 94	cs	e^\pm jet X		
$e^\pm X$				Abt 93C	cs	(295)	Abt 93C	col,pt
(295)	Ahmed 94	et,p	(296)	Brisson 94B	const,cs			
$e^- X$				Harnew 94	cs	e^- jet X		
1.6 - 20	Virchaux 92	cs,p		Abramowicz 93	cs	(295)	Barreiro 94	cor,p,pt
5 - 21	Dasu 94	a-dep,angp,p		Derrick 93	cs		Derrick 94E	et,p
< 10	Tao 95	angp,p		Krasny 93	cs		Feltesse 94	cs,et,p
16.19 - 22.66	Adeva 93B	p,pol		Krasny 93B	cs		Greenshaw 94	
	Altarelli 93	p,pol		McLean 93	cs			et,mass,p
	Hughes 93C	p,pol		Pavel 93	cs		Kiesling 94	p
	Adeva 93B	asym	(300)	Sirois 93	cs		Derrick 93B	ang,et
5.222 - 20	Adeva 93B	asym	X \bar{q}	Aid 95J	cs	(296)	Ahmed 92E	et,pt
20	Altarelli 93	asym	(295)				Aid 95D	cs,p,pt
	Hughes 93C	asym		Ahmed 94	cs		Aid 95I	angp,et,p
27.6	Aid 95F	p		Feltesse 94	cs		Butterworth 95	et,p
29.1	Abe 95F	asym,p	(296)	Greenshaw 94	cs		Levy 95	pt
	Abe 95ZL	asym,p		Kiesling 94	cs		Ahmed 94E	
	Abe 95ZO	asym,p		McLean 93	cs		angp,const,cs	
	Ehrensperger 95	angp,asym,p	$\nu^* X$				Brisson 94B	cs,p
(260)	Besancon 93	p	(295)	Ahmed 94B	cs		Deroeck 94	cs
(295)	Burow 94	angp,cs		Kiesling 94	cs		Harnew 94	
	Greenshaw 94	cs,p	(296)	Abt 93C	cs			cs,mass,p,pt
	Kiesling 94	p		Brisson 94B	const,cs		Kuhlen 94	cor,et,p
	Wolf 94	p		Derrick 94G	const,cs		Labarga 94	et,p
	Derrick 93B	et,mass,pt	$\bar{\nu}^* X$				Abt 93D	angp,et,p
	Derrick 93C	cs,et	(295)	Ahmed 94B	cs		Berger 93	cs
	Erdmann 93	angp,p	$e^{*\pm} X$				Derrick 93	cs,mass,p
	Levonian 93	angp,p	(295)	Greenshaw 94	cs		Feld 93	et,p
	Vallee 93	p,pt		Kiesling 94	cs		Krasny 93	pt
	Derrick 92B	cs,et	$e^{*-} X$	Abt 93C	cs	(300)	Krasny 93B	pt
	Eisele 92	angp,cs	(295)			ν_e hadron X	Aid 95J	cs,et,mass
(295.4)	Levy 95	angp,p		Ahmed 94B	cs	(295)	Greenshaw 94	cs,pt
	Derrick 94	angp,p	$e^{*-} X$	Feltesse 94	cs		Kiesling 94	pt
	Derrick 92	angp,p	(296)	Brisson 94B	const,cs	e^- hadron X		
(296)	Ahmed 95B	p		Derrick 94G	const,cs	(295)	Greenshaw 94	cs,pt
	Aid 95C	angp,p		Harnew 94	cs		Kiesling 94	p,pt
	Aid 95G	angp		Abramowicz 93	cs		Ahmed 92E	p
	Derrick 95D	angp,cs,p		Derrick 93E	cs	(296)	Harnew 94	angp,p
	Levy 95	p		McLean 93	cs		Abramowicz 93	angp
	Lohr 95	angp,cs,et,p		Pavel 93	cs		Pavel 93	angp,cs
	Brisson 94	angp,p	$e^{*+} X$	Sirois 93	cs			
	Brisson 94B	angp,p	(295)	Ahmed 94B	cs	e^- hadron $^+$ X		
	Dainton 94	p				(296)	Aid 95E	angp,mult,p
	Deroeck 94	p	$q^* X$			(296)	Aid 95E	angp,mult,p
	Derrick 94D	p	(295)	Greenshaw 94	cs	ν_e hadron (hadrons)		
	Derrick 94H	angp		Kiesling 94	cs	(296)	Aid 95B	angp,cs,pt
	Haas 94	angp,p		Brisson 94B	const,cs	e^- hadron (hadrons)		
	Harnew 94	cs,mass,pt	(296)	Derrick 94G	const,cs	9.71 - 16.18	Adeva 93B	angp,asym
	Joensson 94	p				(296)	Aid 96B	
	Labarga 94	angp	lepton-colored X				Derrick 94I	ang,angp,cor,p
	Mallot 94	p	(295)	Ahmed 94	cs			ang,cor,et,p
	Abramowicz 93	p		Greenshaw 94	cs	e^- charged-hadron X		
	Abt 93B	p		Kiesling 94	cs	(295)	Kniehl 94	p
	Berger 93	p		Abt 93C	cs	$e^\pm \gamma X$		
	Derrick 93	cs,mass,p		Harnew 94	cs	(295)	Abt 93C	pt
	Derrick 93D	p	(296)	McLean 93	cs	(296)		
	Derrick 93E	mass,pt		Sirois 93	cs	$e^- \gamma X$		
	Krasny 93	p	ν jet X			(295)	Feltesse 94	cs,mass
	Krasny 93B	p	(300)	Aid 95J	cs,et,mass	(296)	Ahmed 95	et,p
	Laporte 93	p					Derrick 94G	mass
	Pavel 93	p	e^- mult[jet] X				Harnew 94	cs,mass,pt
(300)	Derrick 95N	const,cs,p	(296)	Levy 95	mult		Derrick 93E	mass,pt
(314)	Deroeck 93	p		Abt 94	mult	$\nu_e W^- X$		
	Ahmed 92B	p		Krasny 93	mult	(296)	Harnew 94	cs,mass,pt
	Derrick 92C	p	e^- charged X	Krasny 93B	mult		Derrick 93E	mass,pt
	Wolf 92	p	(296)	Derrick 95C			Harnew 94	cs,mass,pt
	Roberts 91	p		angp,mult,p			Derrick 93E	mass,pt
	Whitlow 91	p		Derrick 95G	p,pt	$e^- W^+ X$		
$e^- 0jet X$				Derrick 95P	mult,p,pt	(296)	Derrick 94G	mass
(296)	Berger 93	cs		Abt 94B	p,pt			
jet X				Abt 94C	angp,p,pt			
(295)	Abt 93C	col,pt	(314)	Kuhlen 94	cor,p,pt	$e^- Z^0 X$		
(296)	Harnew 94	cs,mass,p,pt		Ahmed 92C	p,pt	(296)	Derrick 94G	mass
				Wolf 92	angp,col,et,pt		Harnew 94	cs,mass,pt
lepto-gluon X							Derrick 93E	mass,pt
(296)	Abramowicz 93	cs						

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$e^- p \rightarrow e^- e^+ X$ $e^- p \rightarrow p e^- \gamma$

$e^- p$			$e^- p$			$e^- p$		
$e^- e^+ X$ (295)	Abt 93C	pt	e^- 2jet X (295)	Barreiro 94 Feltesse 94 Derrick 93B Kuster 93 Ahmed 95C	cor,p,pt cs,et,p et,mass,pt p,pt	e^- (charged) 2jet X (295)	Derrick 94C	ang,cor,et,mass,p,pt
μ^- jet X (300)	Aid 95J	cs,et,mass	(296)	Aid 95 Butterworth 95 Derrick 95E Ahmed 94E	angp,et,p,pt angp,p,pt et,p angp,cs,p	(296)	Lohr 95	ang,cor,et,mass,p,pt
$\mu^- \mu^+ X$ (295)	Abt 93C	pt		Colombo 94	angp,cor,et,p	e^- (jets) 2jet X (296)	Derrick 95B Deroeck 94 Berger 93	et,p cs cs
τ^- jet X (300)	Aid 95J	cs,et,mass		Dainton 94 Deroeck 94 Haas 94 Kuhlen 94	cs,p cs cs,p	e^- (hadrons) 2jet X (295)	Derrick 94F	ang,cor,et,mass,p,pt
$K_S e^- X$ (296)	Derrick 95H	mult,p,pt		Labarga 94 Berger 93 Feld 93	et,p cs et,p	(K_S 's) e^- 2jet X (295)	Barreiro 94	cor,et,p
e^- charm X (296)	Brisson 94B	cs,p	ν_e hadron (hadrons) X (295)	Feltesse 94	cs,pt	e^- 3jet X (295)	Barreiro 94 Feltesse 94 Derrick 93B Kuster 93 Aid 95 Derrick 95E Derrick 95J	cor,p,pt cs,et,p ang,et p,pt angp,p,pt angp,cs,p
e^- charm X (296)	Brisson 94B	cs,p	e^- hadron (hadrons) X (295)	Ahmed 94C Barreiro 94 Derrick 94F	angp cor,p,pt	(296)	Haas 94 Berger 93 Feld 93 Derrick 95N	cs,p cs et,p const,cs,p
$D^*(2010)^+ e^- X$ (295) (296)	Barreiro 94 Bargende 95 Derrick 95 Garbincius 95 Brisson 94B	cs,p,pt cs,p,pt cs,p,pt cs,p,pt cs		Feltesse 94 Schneider 93B Aid 95D Aid 95H Lohr 95 Ahmed 94H Brisson 94B Colombo 94 Derrick 94B Derrick 94G	angp,col,p cor,p,pt et,p angp,et p p cor,et,p,pt cor,p,pt p	e^- hadron (hadrons) jet X (295)	Feltesse 94	cs,et,p
$D^*(2010)^- e^- X$ (295) (296)	Barreiro 94 Bargende 95 Derrick 95 Garbincius 95 Brisson 94B	cs,p,pt cs,p,pt cs,p,pt cs,p,pt cs		Labarga 94 Derrick 93F Feld 93	col,et,mass cor,mass,p p et,mass,p,pt	e^- 2hadron (hadrons) X (296)	Abramowicz 93 Pavel 93	mass mass
$J/\psi(1S) e^- X$ (295) (296)	Ahmed 94D Brisson 94B	cs,pt cs		Ahmed 94D Brisson 94B Derrick 94G Harnew 94 Derrick 93E	cs,mass mass mass cs,mass,pt mass,pt	$e^\pm \gamma$ 2jet X (295)	Ahmed 94B	mass
$p e^- X$ 5 - 21.5 (296)	Bosted 93 Derrick 96 Ahmed 95D	angp,p angp,cs,mass,p angp,p	$3e^\pm X$ (295)	Abt 93C	pt	$K_S e^-$ hadron (hadrons) X (296)	Derrick 95H	cor,mult,p,pt
$\Lambda e^- X$ (296)	Derrick 95H	mult,p,pt	$2e^- e^+ X$ (295) (296)	Ahmed 94D Brisson 94B Derrick 94G Harnew 94 Derrick 93E	cs,mass mass mass cs,mass,pt mass,pt	$K^+ 2\pi^- e^- X$ (296)	Brisson 94B	mass
2jet X (296)	Derrick 94G	mass	$\mu^- \mu^+ e^\pm X$ (295)	Abt 93C	pt	$K^- 2\pi^+ e^- X$ (296)	Brisson 94B	mass
hadron (hadrons) X (295)	Barreiro 94 Wolf 94 Ahmed 94G Dainton 94	cor,et,p,pt cs,et,p col,cs,pt	$\mu^- \mu^+ e^- X$ (295) (296)	Ahmed 94D Brisson 94B	cs,mass mass	nucleon e^- hadron (hadrons) X (296)	Derrick 96	angp,cs,mass,p
(296)	Deroeck 94 Laporte 93	angp,col,et,mass,p angp,col,et,mass,p angp,mass,p	$e^- \bar{c} c X$ (296)	Bargende 95 Derrick 95 Garbincius 95	cs,p,pt cs,p,pt cs,p,pt	$p e^-$ hadron (hadrons) X (296)	Derrick 95I	cor,mass,p,pt
γ jet X (295) (296)	Greenshaw 94 Derrick 94G	mass mass	$D^0 \pi^+ e^- X$ (296)	Brisson 94B	mass	Λe^- hadron (hadrons) X (296)	Derrick 95H	cor,mult,p,pt
W^- jet X (296)	Derrick 94G	mass	$\bar{D}^0 \pi^- e^- X$ (296)	Brisson 94B	mass	e^- charged (charged) 2jet X (296)	Aid 95I	angp,et,p
Z^0 jet X (296)	Derrick 94G	mass	$p e^-$ jet X (296)	Derrick 95K	et,p	e^- 4jet X (295)	Feltesse 94	cs,et,p
e^- charged (charged) X (295)	Burow 94 Derrick 94E	angp,col ang,col,et,p	$p e^-$ hadron (hadrons) (296)	Aid 96B Doeker 95	ang,angp,cor,p angp	e^- hadron (hadrons) 2jet X (295)	Barreiro 94	cor,et,p
(296)	Lohr 95 Abt 94B Krasny 93	ang,col,et,p col,et,p col,et,p	γ hadron (hadrons) X (296)	Derrick 94G	col,et,mass	$p e^-$ 0.855 1.5 - 9.8	Eyl 95 Andivahis 93 Bosted 92B	asym,pol angp angp
e^- (charged) jet X (295)	Derrick 94C	ang,cor,et,mass,p,pt				1.6 - 8.2 2 - 5 5 - 21.5 9 - 21 9.8 - 21 (295) ?	Walker 94 Makins 94 Sill 92 Stuart 93 Rock 91 Barreiro 94 Buenerd 92	angp,p angp angp cs angp p angp
(296)	Lohr 95	ang,cor,et,mass,p,pt				$\Delta(1232 P_{33})^+ e^-$ 1.5 - 5.5	Stuart 93	cs
e^- (jets) jet X (296)	Kuhlen 94	angp,const,cs	e^- 2charged (charged) X (314)	Ahmed 92C	angp,col,et,p	$p e^- \gamma$ 2.015	Vandenbrandt 95	angp,p
e^\pm 2jet X (295)	Ahmed 94	et,p						

$e^- p \rightarrow p e^- \gamma$

$e^- {}^{12}\text{C} \rightarrow e^- \text{X}$

$e^- p$	$e^- \text{deuteron}$	$e^- {}^3\text{He}$
$p e^- \gamma$ (296) Ahmed 95 et,p	$e^- \text{X}$ 3.75 - 19.5 Arneodo 92 a-dep,angp,p	${}^3\text{He} e^-$ 0.0999 - 0.75 Retzlaff 94 angp,p 0.189 - 0.689 Amroun 94 angp 0.578 Thompson 92 angp,asym
$p \pi^0 e^-$ 0.35 - 0.5 Welch 92 angp 0.525 Vandenbrink 95 angp	4.5 - 20 Arneodo 92 angp,p 5 Arneodo 92 angp,p 5 - 21 Dasu 94 a-dep,angp,p 8 - 24.5 Gomez 93 a-dep,p Arneodo 92 a-dep,angp,p	$2p n e^-$ 0.37 Hansen 95 angp,asym Gao 94 angp,asym Meyerhoff 94 asym
$n \pi^+ e^-$ (1.125) Blomqvist 96 angp,cs 0.3005 - 0.5365 Choi 93 angp,cs,p 0.3665 - 0.6775 Choi 93 angp,cs,p 0.4305 - 0.6825 Choi 93 angp,cs,p	9.7 - 29.1 Abe 95S asym,p 9.8 - 21 Rock 91 angp,p < 10 Tao 95 angp,p 29.1 Abe 95ZL asym,p Abe 95ZO asym,p ? Roberts 91 p Whitlow 91 p	$e^- {}^4\text{He}$ $e^- \text{X}$ 0.0909 - 0.193 Buki 95 angp 0.3 - 0.64 Zghiche 94 angp 0.813 - 1.203 Kuplennikov 95 angp,p 0.9 - 4.3 Mezani 92 angp,p 1.16 Kuplennikov 94 angp,p 1.175 Kuplennikov 91B angp 2.02 - 3.995 Day 93 angp,cs,p
$p \eta e^-$ 1.49 - 1.59 Wilhelm 93 angp,cs,pwa	$p e^- \text{X}$ 0.1005 - 0.7205 Ducret 94 angp,p,pt 0.5 Dolfini 95 asym,pol 1.2 Boden 92 angp,p	$p e^- \text{X}$ 0.5 Legoff 94 angp,p $\Delta(1232 P_{33}) e^- \text{X}$ 1.16 Kuplennikov 94 angp,p
$p \rho^0 e^-$ (295) Feltesse 94 cs	$\text{deuteron } e^-$ 0.653 - 0.853 The 91 angp,pol 0.6535 - 0.8535 Garson 94 angp,p,pol 1.5 - 9.8 Andivahis 93 angp 2 Boden 91 cs,pol ? Buenerd 92 angp	$\text{deuteron } e^- \text{X}$ 0.466 Ent 94 angp,p $2\text{deuteron } e^-$ 0.466 Ent 94 angp,p $\text{deuteron } p n e^-$ 0.466 Ent 94 angp,p
$p \rho^0 < \pi^+ \pi^- > e^-$ (296) Derrick 95L ang,cs,dme,p,pt	$p n e^-$ 0.444 - 0.868 Markowitz 93 angp,cs 0.7345 - 1.27 Frodyma 93 angp,p 0.855 Eyl 95 asym,pol 0.868 Eden 94 asym,pol 1.105 - 1.107 Leiendecker 92 angp,asym,p	$e^- \text{He}$ $e^- \text{X}$ 8 - 24.5 Gomez 93 a-dep,p Arneodo 92 a-dep,angp,p
$p J/\psi(1S) e^-$ (296) Derrick 95F cs,pt	1.5 - 5.5 Lung 93 angp,mass Stuart 93B angp,mass 1.6 Frommberger 93 angp 1.602 Frommberger 94 ang,angp	$e^- {}^6\text{Li}$ $\text{deuteron } e^- \text{X}$ 0.466 Ent 94 angp,p ${}^4\text{He deuteron } e^-$ 0.466 Ent 94 angp,p ${}^4\text{He}^* \text{ deuteron } e^-$ 0.466 Ent 94 angp,p
$p 2e^- e^+$ (295) Barreiro 94 mass	$p \Delta(1232 P_{33})^+ e^-$? Stuart 93 cs	$e^- \text{Be}$ $e^- \text{X}$ 8 - 24.5 Gomez 93 a-dep,p Arneodo 92 a-dep,angp,p < 10 Tao 95 angp,p 13 - 20 Arneodo 92 angp,p
$p \mu^- \mu^+ e^-$ (295) Garbincius 95 mass Barreiro 94 mass	$p \Delta(1232 P_{33})^0 e^-$ 1.5 - 5.5 Stuart 93 cs ? Stuart 93 cs	$e^- {}^9\text{Be}$ $e^- \text{X}$ 0.8185 Kuplennikov 91 angp,p
$p \pi^+ \pi^- e^-$ (295) Barreiro 94 mass Burow 94 mass,pt Feltesse 94 mass Aid 96 angp,mass,p	$e^- \text{H}$ ${}^3\text{H } e^-$ 0.0999 - 0.75 Retzlaff 94 angp,p 0.189 - 0.689 Amroun 94 angp	$e^- {}^{11}\text{Bor}$ ${}^{11}\text{Be } \pi^+ e^-$ 0.2005 Yamaya 95 angp,p
$p K^+ K^- e^-$ (295) Barreiro 94 mass Burow 94 mass,pt	$e^- {}^3\text{He}$ $e^- \text{X}$ 0.37 Jones 95 angp,asym 0.547 Jones 93D angp,asym 0.9 - 4.3 Mezani 92 angp,p 1.211 Kuplennikov 92 angp,p 1.216 Kuplennikov 91 angp,p 19 - 26 Hughes 93 asym,p,pol 19.4 - 25.5 Ehrnsperger 95 angp,asym,p	$e^- \text{C}$ $e^- \text{X}$ 2.021 - 5.121 Arrington 96 a-dep,cs,p 8 - 24.5 Gomez 93 a-dep,p Arneodo 92 a-dep,angp,p γX 25 Anthony 95 p $p e^- \text{X}$ 2 - 5 Makins 94 angp,p
$p \pi^+ \pi^0 \pi^- e^-$ (295) Burow 94 mass,pt	$e^- n$ $e^- \text{X}$ 19 - 26 Mallot 94 asym,p 19.4 - 26 Petratos 93B asym,p $n e^-$ 1.5 - 5.5 Lung 93 angp Stuart 93B angp 9 - 21 Stuart 93 cs 9.8 - 21 Rock 91 angp	$e^- {}^{12}\text{C}$ $e^- \text{X}$ 1.45 - 2.39 Vartapetyan 95 angp,p
$e^- n$	$e^- \text{nucleus}$ axion X 275 Bross 89 cs $e^- e^+ \text{X}$ 275 Bross 89 cs,mass $\pi e^- \text{X}$ 14.5 Degtyarenko 94 angp,cs,p $p \pi^- e^- \text{X}$ 14.5 Elouadrhiri 94 angp,mass,p $2p e^- \text{X}$ 14.5 Degtyarenko 94 angp,mass,p	
$e^- \text{nucleus}$	$e^- \text{deuteron}$ $e^- \text{X}$ 0.1748 - 0.4447 Kuplennikov 91 angp,p 1.6 - 20 Virchaux 92 cs,p 2.021 - 5.121 Arrington 96 a-dep,cs,p 3 - 7 Arneodo 92 angp,p 3.75 - 16 Roberts 91 p	

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$e^- {}^{12}\text{C} \rightarrow e^- X$ $e^+ e^- \rightarrow \text{mult}[\text{jet}]$

$e^- {}^{12}\text{C}$	$e^- \text{Fe}$	$e^- {}^{124}\text{Xe}$
$e^- X$ 2.02 - 3.995 Day 93 angp,cs,p	$e^- X$ 2.021 - 5.121 Arrington 96 a-dep,cs,p	${}^{124}\text{Te} e^+ 2\nu_e$? Zdesenko 92 -
$p e^- X$ 0.129 Tadokoro 94 angp,p 0.475 Kester 95 angp 1.94 Alanakyan 91 angp,p	3.75 - 19.5 Arneodo 92 a-dep,angp,p	$e^- {}^{130}\text{Ba}$
$2p e^- X$ 0.475 Kester 95B angp	5 - 21 Dasu 94 a-dep,angp,p 8 - 24.5 Gomez 93 a-dep,p Arneodo 92 a-dep,angp,p	${}^{130}\text{Xe} e^+ X$? Zdesenko 92 -
${}^{10}\text{Bor deuteron } e^-$ 0.466 Ent 94 angp,p	$e^- {}^{58}\text{Ni}$	$e^- {}^{139}\text{Ce}$
$e^- {}^{16}\text{O}$	${}^{58}\text{Fe} e^+$? Zdesenko 92 -	${}^{139}\text{La}^*$ 0.0004441 Minowa 93 cs
$e^- X$ 0.5 - 1.5 Anghinolfi 95 angp	${}^{58}\text{Fe} e^+ 2\nu_e$? Zdesenko 92 -	$e^- \text{Wt}$
$e^- \text{Al}$	$e^- \text{Cu}$	X 2millicharged 29.5 Jaros 95 cs
$e^- X$ 1.5 - 9.8 Bosted 92 p 3 - 7 Arneodo 92 angp,p 4.5 - 20 Arneodo 92 angp,p 5 Arneodo 92 angp,p 8 - 24.5 Gomez 93 a-dep,p Arneodo 92 a-dep,angp,p	$e^- X$ 13 - 20 Arneodo 92 angp,p	$e^- {}^{184}\text{Os}$
9.8 - 21 Rock 91 angp,p 13 - 20 Arneodo 92 angp,p	$e^- {}^{64}\text{Zn}$	${}^{184}\text{Wt} e^+ X$? Zdesenko 92 -
$e^- {}^{27}\text{Al}$	${}^{64}\text{Ni} e^+$? Zdesenko 92 -	$e^- {}^{190}\text{Pt}$
$e^- X$ 2.02 - 3.995 Day 93 angp,cs,p	${}^{64}\text{Ni} e^+ 2\nu_e$? Zdesenko 92 -	${}^{190}\text{Os} e^+ X$? Zdesenko 92 -
$e^- {}^{30}\text{Si}$	$e^- {}^{71}\text{Ge}$	$e^- \text{Au}$
${}^{29}\text{Al} p e^-$ 0.33 - 0.454 Wesseling 92 p	${}^{71}\text{Ga} \nu \gamma$ 0 Hime 92 p	$e^- X$ 2.021 - 5.121 Arrington 96 a-dep,cs,p 3.75 - 19.5 Arneodo 92 a-dep,angp,p 5 - 21 Dasu 94 a-dep,angp,p 8 - 24.5 Gomez 93 a-dep,p Arneodo 92 a-dep,angp,p
$e^- {}^{31}\text{Ph}$	$e^- {}^{78}\text{Kr}$	13 - 20 Arneodo 92 angp,p
${}^{30}\text{Si} p e^-$ 0.33 - 0.454 Wesseling 92 p	${}^{78}\text{Se} e^+$? Zdesenko 92 -	γX 8 - 25 Anthony 95 p
$e^- {}^{32}\text{S}$	${}^{78}\text{Se} e^+ 2\nu_e$? Zdesenko 92 -	$e^- {}^{197}\text{Au}$
${}^{31}\text{Ph} p e^-$ 0.33 - 0.454 Wesseling 92 p	$e^- {}^{84}\text{Sr}$	$e^- X$ 2.02 - 3.995 Day 93 angp,cs,p
$e^- {}^{40}\text{Ar}$	${}^{84}\text{Kr} e^+ X$? Zdesenko 92 -	fragt X 3 Markaryan 95 angp,p
$e^- X$ 0.5 - 1.5 Anghinolfi 95 angp	$e^- {}^{92}\text{Mo}$	$e^- {}^{208}\text{Pb}$
$e^- \text{Ca}$	${}^{92}\text{Zr} e^+$? Zdesenko 92 -	$e^- X$ 0.262 - 0.645 Zghiche 94 angp
$e^- X$ 8 - 24.5 Gomez 93 a-dep,p Arneodo 92 a-dep,angp,p	${}^{92}\text{Zr} e^+ 2\nu_e$? Zdesenko 92 -	$e^- \text{crystal}$
$e^- {}^{40}\text{Ca}$	$e^- {}^{96}\text{Ru}$	$2e^- e^+ X$ 150 Bassompierre 93 mass
$p e^- X$ 0.348 - 0.841 Yates 93 angp,p	${}^{96}\text{Mo} e^+$? Zdesenko 92 -	$e^+ \gamma$
$e^- {}^{50}\text{Cr}$	${}^{96}\text{Mo} e^+ 2\nu_e$? Zdesenko 92 -	$e^+ X$ 45.6 Akers 93G angp,mass,p
${}^{50}\text{Ti} e^+$? Zdesenko 92 -	$e^- \text{Ag}$	$e^+ \gamma$ 46 Bini 91 p
${}^{50}\text{Ti} e^+ 2\nu_e$? Zdesenko 92 -	$e^- X$ 8 - 24.5 Gomez 93 a-dep,p Arneodo 92 a-dep,angp,p	$e^+ e^-$
$e^- {}^{55}\text{Fe}$	$e^- {}^{106}\text{Cd}$	mult[jet]
${}^{55}\text{Mn} \nu_e \gamma$ 0 Hime 92 p Norman 91 p	${}^{106}\text{Pd} e^+$? Zdesenko 92 -	(12 - 46) Bethke 91 const,cs (29) Bethke 91 const,cs (54 - 61.4) Bethke 91 cs (57.9) Lee 93B const,p (88.2 - 94.2) Steinberger 90 const,cor
$e^- {}^{56}\text{Fe}$	$e^- {}^{112}\text{Sn}$	(91) Bethke 91 cs (91.2) Acton 93E const,cs,mult
$e^- X$ 2.02 - 3.995 Day 93 angp,cs,p	${}^{112}\text{Cd} e^+ X$? Zdesenko 92 -	Acton 92H col,mass Adriani 92 const,cs Bethke 92 const,cs Bethke 92B const,cs Burrows 92 const,cs Chrin 92 const,cor Hebbeker 91 const,cs Hebbeker 91B const,cs Buskulic 92C cs
$\text{Fe}^* e^-$ 0.9 - 4.3 Chen 91B angp,p	$e^- {}^{120}\text{Te}$	(91.25)
	${}^{120}\text{Sn} e^+ X$? Zdesenko 92 -	
	$e^- {}^{124}\text{Xe}$	
	${}^{124}\text{Te} e^+$? Zdesenko 92 -	

$e^+ e^- \rightarrow \text{mult}[\text{jet}]$

$e^+ e^- \rightarrow f_2(1270) X$

$e^+ e^-$	$e^+ e^-$	$e^+ e^-$
mult[jet]	mult[charged] (neutrals)	γ (hadrons)
(92.1) Bethke 91B cs	(91.2) Abreu 90R cor,cs,mult	(91 - 91.5) Adriani 92N col,const
Fabbri 91 const,cs	Abe 94ZB mult,p	γ mult[hadron]
mult[hadron]	Dremin 94 mult	(91.2) Acciarri 95E ang,col,p
(58) Li 93 col,const,cor	Akers 93J col,cor,pt	$q X$
Tsuboyama 92 col,const,cs	Ting 93 col,const	(88.5 - 93.7) Buskulic 92M cs
(88.2 - 94.2) Adriani 93B col,const,cor	Adeva 92D mult,p	(91.2) Akers 95H cs
(91.2) Acciarri 95E ang,col,p	Abreu 91R col,mult,pt	$\bar{q} X$
Acton 93E col,const	Acton 91E cs,mult	(91.2) Akers 95H cs
Chmeissani 92 col,const	Giacomelli 91 cor,cs,mult	$b X$
(91.3) Acton 92R cor	Hebbeker 91B cs,mult	(91.2) Pulzer 93 cs
ℓX	Yepes 91 p	Buskulic 92K cs
(10.5) Kroha 93 p	Dremin 94 mult	monopole X
$\ell^\pm X$	Decamp 91L cs,mult	(91.2) Pinfold 93 cs
(91.2) Colas 91 angp	mult[charged-hadron] X	Kinoshita 92 cs
$\ell^- X$	(50 - 60.8) Kim 90C mass	$\pi^\pm X$
(88.2 - 94.2) Buskulic 94D col,pt	higgs (hadrons)	(91.2) Akers 94C cs,p
$\ell^+ X$	(88.2 - 94.2) Abreu 90O cs,mass	Buskulic 94N p
(88.2 - 94.2) Buskulic 94D col,pt	charged X	Tesch 91 p
$e^\pm X$	(1.5 - 91) Chliapnikov 92 mult	$\pi^+ X + \pi^- X$
(91.24) Adriani 92E col	(9.36 - 10.47) Albrecht 91L mult	(10 - 30) Deangelis 93 cs
$e^- X$	(10 - 92) Deangelis 93 cs	$\pi^+ X$
(58) Aso 95 angp,p,pt	(14 - 34) Goulios 94 mult,p	(58) Itoh 94 p
Aso 95B angp,cs,p,pt	(14 - 91) Bethke 92 cs,mult,p	(91.2) Tesch 95 mult,p
Sakuda 93 p,pt	(58) Itoh 94 p	Akers 94C cs,p
Schwarz 93 p	(88.5 - 93.7) Buskulic 92M cs	Buskulic 94N p
$e^+ X$	(91) Kreutzmann 91 p,pt	$\pi^0 X$
(58) Aso 95 angp,p,pt	Buskulic 95M mult,p	(9.39 - 10.52) Bieler 90 mult,p
Aso 95B angp,cs,p,pt	Adeva 91 const,mult,p	(10 - 92) Deangelis 93 cs
Sakuda 93 p,pt	Giacomelli 91 const,mult,p	Butler 93 mass
Schwarz 93 p	Hebbeker 91 mult	Adam 95 p
$\mu^\pm X$	Hebbeker 91B mult,p	Acciarri 94B mult,p
(91.2) Adriani 92E col	Yepes 91 mult	Adeva 91 const,mult,p
$\mu^- X$	Abe 94ZC mult	Giacomelli 91 const,mult,p
(58) Aso 95 angp,p,pt	Obottom Ocharm charged X	Hebbeker 91 mult,p
Aso 95B angp,cs,p,pt	(91.2) Akers 95I mult	Hebbeker 91B mult,p
$\mu^+ X$	Akers 93I col,p	$\pi^- X$
(58) Aso 95 angp,p,pt	Obottom charged X	(58) Itoh 94 p
Aso 95B angp,cs,p,pt	(91.2) Akers 93H mult	(91.2) Tesch 95 mult,p
$\tau^\pm X$	multicharged X	Akers 94C cs,p
(9 - 11.5) Danilov 94 cs	(88.5 - 93.7) Buskulic 92M cs	Buskulic 94N p
$\tau^- X$	(91.2) Akers 95H cs	Tesch 91 p
(3 - 4) Danilov 94 cs	jet X	ηX
(3 - 8.4) Danilov 94 cs	(58) Suzuki 93C ang,p	(9.39 - 10.52) Bieler 90 mult,p
(9 - 11.5) Danilov 94 cs	(88.2 - 94.2) Adriani 93B const,mult	(10 - 92) Deangelis 93 cs
(9 - 12) Danilov 94 cs	(91) Bambade 92 col,p,pt	(91.2) Acciarri 94B mult,p
(14 - 47.3) Danilov 94 cs	Kreutzmann 91 p,pt	Ting 93 p
(29) Danilov 94 cs	(91.2) Finch 93 pt	Adriani 92C p
(91.2) Danilov 94 cs	hadron X	Buskulic 92D mult,p
mult[charged] X	(14 - 34) Goulios 94 mult,p	ρX
(29 - 90) Schmitz 91 angp,col,p	(14 - 91) Bethke 92 cs,mult,p	(10 - 92) Deangelis 93 cs
(91.2) Buskulic 95M mult,p	(91.2) Chrin 92 const,p	$\rho^0 X$
mult[charged] (neutrals)	(130.3 - 136.3) Acciarri 95N mult	(9.46 - 10.58) Albrecht 94G angp,cs,p
(14 - 46.8) Dremin 94 mult	hadron (hadrons)	(29) Ronan 91 mult
(14 - 91) Bethke 92 cs	(1.82 - 2.44) Gauzi 94 cs	(91.2) Abreu 94Q mult,p
Chliapnikov 92 col,mult	(3.08 - 3.11) Bai 95B cs	Ting 93 p
(17.5) Behrend 90D mult,p	(3.08 - 3.12) Jin 91 cs	Abreu 92J mult,p
(29) Dremin 94 mult	(9.46 - 10.58) Albrecht 94G cs	ωX
(29 - 90) Buschbeck 91 angp,col,mult,p	(57.5 - 59.5) Suzuki 93C cs	(9.46 - 10.58) Albrecht 94G angp,cs,p
(35) Podobrin 91 col,cor,mult,p,pt	(57.9 - 58) Suzuki 93C cs	$\eta' X$
(88.2 - 94.2) Abreu 92E mult,pt	charged-hadron X	(9.4 - 10.6) Albrecht 92S cs
(88.2 - 95) Abreu 91C mult,p	(58) Itoh 94 p	(30 - 91.2) Deangelis 93 cs
Giacomelli 91 mult,p	(91) Bethke 91 p,pt	(91.2) Buskulic 92D mult,p
(88.28 - 95.03) Akrawy 91 mult,p	Akers 95L angp,p	$f_0(975) X$
Giacomelli 91 mult,p	Abreu 93F const,p	(9.4 - 10.6) Albrecht 92S cs
(90) Deangelis 91 angp,col,mult,p,pt	Ting 93 const,p	(91.2) Abreu 94Q mult,p
(91) Dremin 94 mult	Buskulic 92C p,pt	Deangelis 93 cs
Deangelis 91C mult,p	X heavy	Ting 93 p
Decamp 91K col,mult,p	(91.2) Akers 95H cs	Abreu 92J mult,p
	(88.5 - 93.7) Buskulic 92M cs	$f_2(1270) X$
	γX	(10 - 92) Deangelis 93 cs
	(10.46 - 10.59) Lesiak 91 p	(91.2) Abreu 94Q mult,p
	γ (neutrals)	Ting 93 p
	(88 - 94) Dittmar 92 cs	Abreu 92J mult,p

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$e^+ e^- \rightarrow K^\pm X$ $e^+ e^- \rightarrow D_s^{*-} X$

$e^+ e^-$			$e^+ e^-$			$e^+ e^-$			
$K^\pm X$			$\bar{K}^*(892)^0 X$			$D^*(2010)^+ X$			
(9.98)	Aleem 92	mult,p		Abreu 92J	mult,p	(10.52 - 10.7)	Freyberger 94	-	
(10.49)	Aleem 92	mult	$K^*(892)^- X$			(10.58)	Balest 94	-	
(29)	Aleem 92	p	(29)	Ronan 91	mult	(10.6)	Butler 95	-	
(34)	Aleem 92	mult,p	(91.2)	Abreu 94Q	mult,p		Cinabro 93B	cs	
(91.2)	Akers 94C	cs,p		Hebbeker 91B	mult,p		Freyberger 96	-	
	Buskulic 94N	p	$K_2^*(1430)^+ X + K_2^*(1430)^- X$				Bartelt 95	-	
	Tesch 91	p	(30)	Deangelis 93	cs		Akerib 93	-	
$K^+ X$			$K_2^*(1430)^0 X + \bar{K}_2^*(1430)^0 X$			(29)	Bortoletto 92	-	
(10 - 92)	Deangelis 93	cs	(30)	Deangelis 93	cs	(57.9 - 58)	Butler 92	-	
(58)	Itoh 94	p	$\phi(1020) X$			(57.96)	Aihara 91	asym,pol	
(91.2)	Abreu 95D	mult,p	(10 - 92)	Deangelis 93	cs	(58)	Nurushev 91	asym	
	Tesch 95	mult,p	(29)	Ronan 91	mult	(88.3 - 94.3)	Suzuki 93C	angp,cs	
	Akers 94C	cs,p	charm X			(89.75 - 92.64)	Nakano 93	angp,cs,pt	
	Buskulic 94N	p	(58)	Sakuda 93	cs,p	(91.2)	Sakuda 93	angp,cs	
$K^0 X + \bar{K}^0 X$			charm X				Buskulic 93P	cs,p	
(9.98)	Aleem 92	mult,p	(58)	Sakuda 93	cs,p		Akers 93E	cs,p	
(10.49)	Aleem 92	mult,p	charm X				Abe 95ZQ	angp,asym	
(14.8 - 42.6)	Aleem 92	col,cs,mult,p,pt	(58)	Sakuda 93	cs,p		Buskulic 95J	p	
(29)	Aleem 92	mult,p	charm-meson X				King 94	asym,p	
(35)	Aleem 92	cs,mult,p	(10.35 - 10.58)	Kubota 94	cs		Alexander 91	p	
$K^0 X$			$D^+ X + D^- X$			$D^*(2010)^+ X + D^*(2010)^- X$			
(10 - 92)	Deangelis 93	cs	(10 - 92)	Deangelis 93	cs	(10 - 92)	Deangelis 93	cs	
(91.2)	Abreu 94Q	mult,p	(88.2 - 94.2)	Abreu 93G	p	(58)	Hinode 93	cs	
	Buskulic 94M	mult,p,pt	$D^+ X$			(88.2 - 94.2)	Abreu 93G	p	
	Hebbeker 91	mult,p	(9.4 - 10.6)	Albrecht 94J	cs	$D^*(2010)^0 X + \bar{D}^*(2010)^0 X$	(10 - 30)	Deangelis 93	cs
	Hebbeker 91B	mult,p	(10.35 - 10.58)	Busse 93	p	$D^*(2010)^0 X$	(9 - 12)	Danilov 94	cs
$\bar{K}^0 X$			(10.47)	Freyberger 94	cs,p	(10)	Albrecht 94N	-	
(91.2)	Hebbeker 91B	mult,p	(10.52 - 10.58)	Albrecht 91G	-	(10.6)	Brown 94	-	
$K^- X$				Freyberger 94	-		Bortoletto 92	-	
(58)	Itoh 94	p	(88.3 - 94.3)	Bean 93	-		Butler 92	-	
(91.2)	Abreu 95D	mult,p	(91.2)	Buskulic 93P	cs,p		Buskulic 93P	cs,p	
	Tesch 95	mult,p		Abe 95ZQ	angp,asym				
	Akers 94C	cs,p	$D^0 X + \bar{D}^0 X$			$\bar{D}^*(2010)^0 X$	(10)	Albrecht 94N	-
	Buskulic 94N	p	(10 - 92)	Deangelis 93	cs		(88.3 - 94.3)	Buskulic 93P	cs,p
	Tesch 91	p	(88.2 - 94.2)	Abreu 93G	p	$D^*(2010)^- X$	(10)	Albrecht 94N	-
$K_S^0 \text{bottom } 0 \text{charm } X$			$D^0 X$			(10.4)	Albrecht 94L	-	
(91.2)	Akers 93I	col,p	(9 - 11.5)	Danilov 94	cs	(10.52 - 10.58)	Kubota 95	-	
$K_S X$			(9 - 12)	Danilov 94	cs	(10.58)	Butler 95	-	
(58)	Itoh 94	p	(9.3 - 10.6)	Semenov 94	cs	(10.6)	Freyberger 96	-	
(88.3 - 94.3)	Maringer 92	cs,p	(9.4 - 10.6)	Albrecht 94J	cs		Bartelt 95	-	
(91)	Schwiening 91	angp	(10 - 10.6)	Rohde 93	-	(29)	Aihara 91	asym,pol	
(91.2)	Acciari 94B	mult,p	(10.36 - 10.7)	Albrecht 95E	-	(57.9 - 58)	Suzuki 93C	angp,cs	
	Buskulic 94M	mult,p,pt	(10.4)	Albrecht 92B	-	(57.96)	Nakano 93	angp,cs,pt	
	Alexander 91E	cs,mult,p	(10.47)	Albrecht 94L	cs	(58)	Sakuda 93	angp,cs	
$K_L X$			(10.52 - 10.58)	Albrecht 91G	cs,p	(88.3 - 94.3)	Buskulic 93P	cs,p	
(91.2)	Buskulic 94M	mult,p,pt	(10.6)	Freyberger 94	-	(89.75 - 92.64)	Akers 93E	cs,p	
			(88.3 - 94.3)	Bean 93	-	(91.2)	Buskulic 95J	p	
$K^*(892)^\pm X$			(< 120)	Bartelt 95	-		King 94	asym,p	
(29)	Aleem 92	mult	$\bar{D}^0 X$				Alexander 91	p	
(34.5 - 42.6)	Aleem 92	cs,mult,p	(10 - 10.6)	Albrecht 95E	-	$D_s^+ X$	(9.4 - 10.6)	Busse 93	p
(35)	Aleem 92	cs,mult,p	(10.4)	Albrecht 94L	-		(10.35 - 10.58)	Alexander 92	-
$K^*(892)^+ X$			(10.6)	Bartelt 95	-		(10.35 - 10.6)	Avery 92	-
(9.46 - 10.58)	Albrecht 94G	angp,cs,p	(88.3 - 94.3)	Buskulic 93P	cs,p		(10.35 - 11.6)	Alexander 93	p
(29)	Ronan 91	mult	$D^- X$				(10.36 - 10.58)	Muheim 93B	cs
(91.2)	Abreu 94Q	mult,p	(10.35 - 10.58)	Albrecht 91B	-		Daoudi 91	-	
	Hebbeker 91B	mult,p	(88.3 - 94.3)	Buskulic 93P	cs,p		(10.5)	Albrecht 91J	cs,p
$K^*(892)^+ X + K^*(892)^- X$			(91.2)	King 94	asym,p		(10.52 - 10.58)	Freyberger 94	-
(10 - 92)	Deangelis 93	cs	$D^*(2010)^\pm X$				(10.6)	Brandenburg 95	-
(88.3 - 94.3)	Maringer 92	cs,p	(91.3)	Geerts 91	p	$D_s^- X$	(10.35 - 10.58)	Albrecht 91B	-
(91.2)	Acton 92O	mult,p	$D^*(2010) X$				(10.5)	Albrecht 91J	cs,p
$K^*(892)^0 X$			(10)	Albrecht 92O	-		(10.6)	Brandenburg 95	-
(9.46 - 10.58)	Albrecht 94G	angp,cs,p	$D^*(2010)^+ X$			$D_s^* X$			
(29)	Aleem 92	mult,p	(9 - 12)	Danilov 94	cs	(10.6)	Acosta 93	-	
(91.2)	Ronan 91	mult	(9.3 - 10.6)	Semenov 94	cs	$D_s^{*+} X$	(10.35 - 11.6)	Alexander 93	p
	Ting 93	p	(9.46 - 10.58)	Albrecht 92G	cs		(10.6)	Gronberg 95	-
	Abreu 92J	mult,p	(10)	Albrecht 94N	-			Brown 94	-
$K^*(892)^0 X + \bar{K}^*(892)^0 X$			(10.36 - 10.7)	Procario 92B	-			Muheim 93	-
(10 - 92)	Deangelis 93	cs	(10.4)	Albrecht 94L	-	$D_s^{*-} X$	(10.6)	Gronberg 95	-
			(10.47)	Litvintsev 94	-				
$\bar{K}^*(892)^0 X$			(10.5)	Albrecht 91G	cs,p				
(29)	Ronan 91	mult	(10.52 - 10.58)	Kubota 91	angp				
(91.2)	Ting 93	p		Kubota 95	-				

$e^+ e^- \rightarrow D_1(2420)^+ X$ $e^+ e^- \rightarrow \bar{\Sigma}^+ X$

$e^+ e^-$	$e^+ e^-$	$e^+ e^-$	$e^+ e^-$
$D_1(2420)^+ X$ (10.58) Bergfeld 94B cs,p	$B^+ X$	Akers 95R -	$\bar{B}_s X$
$D_1(2420)^0 X$ (10.58) Avery 94 cs		Alexander 95C p	Alexander 95E p
(88.3 - 94.3) Buskulic 93P cs,p		Alexander 95E p	Buskulic 95T cs
$\bar{D}_1(2420)^0 X$ (88.3 - 94.3) Buskulic 93P cs,p	$B^0 X$ (10.58) Alam 94C p	Buskulic 95L p	Buskulic 94B cs
$D_1(2420)^- X$ (10.58) Bergfeld 94B cs,p	(10.58 - 29) Drell 91 p		Acton 93L cs
$D_2^*(2460)^+ X$ (10.58) Bergfeld 94B cs,p	(88.3 - 94.3) Buskulic 93D cs		Buskulic 93H cs
$D_2^*(2460)^0 X$ (10.58) Avery 94 cs	(91) Abreu 95E -		Abreu 92F cs
(88.3 - 94.3) Buskulic 93P cs,p	(91.2) Abreu 96C -		$B_c^+ X$ (91.2) Alexander 95E cs
$\bar{D}_2^*(2460)^0 X$ (88.3 - 94.3) Buskulic 93P cs,p	(91.2) Abe 95ZN -		$B_c^- X$ (91.2) Alexander 95E cs
$D_2^*(2460)^- X$ (10.58) Bergfeld 94B cs,p	Abreu 95L -		$\Upsilon(\text{unspec}) X$ (91.2) Abreu 95O cs
$D_{s1}(2536)^+ X$ (9 - 12) Danilov 94 cs	Adam 95B -		$p X + \bar{p} X$ (10 - 91.2) Deangelis 93 cs,p
(10.35 - 11.6) Alexander 93 cs,p	Akers 95R -		(91.2) Akers 94C cs,p
(10.4) Albrecht 92N cs	Alexander 95C p		Buskulic 94N p
$D_{sJ}(2564)^+ X$ (9 - 12) Danilov 94 cs	Alexander 95E p		Tesch 91 p
$D_{s2}(2573)^+ X$ (10 - 10.6) Albrecht 95D cs,p	Buskulic 95L p		$p X$ (10.5 - 10.58) Crawford 91B p
$D_{s2}(2573)^- X$ (10 - 10.6) Albrecht 95D cs,p	$\bar{B} X$ (91.2) Abreu 96C -		(58) Itoh 94 p
$J/\psi(1S) X$ (91.2) Abreu 95O cs	(10.58) Alam 94C p		(91.2) Abreu 95D mult,p
Alexander 95E cs,mult,p	Athanas 94 p		Tesch 95 mult,p
(91.31) Abreu 94M cs	Buskulic 93D cs		Akers 94C cs,p
Alexander 91I cs	(91) Abreu 95E -		Buskulic 94N p
$X_{c1}(1P) X$ (10.58) Albrecht 91D cs	(91.2) Abe 95ZN -		$\bar{p} X$ (58) Itoh 94 p
(91.2) Abreu 94M cs	Abreu 95L -		(91.2) Abreu 95D mult,p
$\psi(2S) X$ (91.2) Abreu 95O cs	Adam 95B -		Tesch 95 mult,p
Alexander 95E cs,mult,p	Akers 95R -		Tesch 95 cs,p
Abreu 94M cs	Alexander 95C p		Akers 94C p
$\text{bottom } X$ (10.6 - 91.3) Atwood 91 -	Alexander 95E p		Buskulic 94N p
(29) Forty 93 -	Buskulic 95S -		Tesch 91 p
(34) Forty 93 -	$B^- X$ (10.58) Alam 94C p		$\Delta(1232 P_{33})^{++} X$ (91.2) Abreu 95J mult,p
(35) Forty 93 -	(88.3 - 94.3) Athanas 94 p		Alexander 95B p
(58) Sakuda 93 cs,p	Buskulic 93D cs		$\Delta(1232 P_{33})^{++} X + \bar{\Delta}(1232 P_{33})^{--} X$ (10 - 91.2) Deangelis 93 cs,p
(88.2 - 94.2) Abreu 94F cs	(91) Abreu 95E -		$\bar{\Delta}(1232 P_{33})^{--} X$ (91.2) Abreu 95J mult,p
Abreu 93I cs	(91.2) Abe 95ZN -		Alexander 95B p
Adriani 93B p	Abreu 95L -		Alexander 95C p
Buskulic 93N cs	Adam 95B -		ΛX (7.2 - 10) Blinov 94 mult
Colas 91 p	Akers 95R -		(9.46) Blinov 94 mult,p
$\text{bottom } X + \bar{\text{bottom}} X$ (88.2 - 94.2) Buskulic 95E p	Alexander 95C p		(29) Oyang 91 cs,p
Buskulic 92F cs	Buskulic 95L p		Ronan 91 mult
$\text{bottom } X$ (58) Sakuda 93 cs,p	$B(\text{unspec}) X$ (91.2) Acciarri 95D cs		Acciarri 94B mult,p
(88.2 - 94.2) Adriani 93B p	$B^* X$ (10.61 - 10.7) Akerib 91 cs		Buskulic 94M mult,p,pt
(91.2) Buskulic 93N cs	$B^{*+} X$ (91.2) Abreu 95H p		Abreu 93K mult,p
$B^\pm X$ (10.58 - 29) Drell 91 p	$B^{*0} X$ (91.2) Abreu 95H p		Hebbeker 91 mult,p
$B X$ (88.2 - 94.2) Luke 93 -	$\bar{B}^{*0} X$ (91.2) Abreu 95H p		Hebbeker 91B mult,p
(91.2) Abreu 96C -	$B^{*-} X$ (91.2) Abreu 95H p		$\Lambda X + \bar{\Lambda} X$ (10 - 91.2) Deangelis 93 cs,p
Alexander 95E p	$B_J^*(5732) X$ (91.2) Abreu 95R cs		(29) Geld 92 mult,p
$B^+ X$ (88.3 - 94.3) Buskulic 93D cs	$\bar{B}_J^*(5732) X$ (91.2) Abreu 95R cs		$\bar{\Lambda} X$ (29) Oyang 91 cs,p
(91.2) Abe 95ZN -	$B^*(\text{unspec}) X$ (91.2) Acciarri 95D cs		(91.2) Buskulic 94M mult,p,pt
Abreu 95L -	$B_s X$ (91) Abreu 95E cs		Abreu 93K mult,p
Adam 95B -	(91.2) Akers 95P cs		Hebbeker 91B mult,p
	Alexander 95E p		$\Lambda(1520 D_{03}) X + \bar{\Lambda}(1520 D_{03}) X$ (10) Deangelis 93 cs
	Buskulic 95T cs		$\Sigma^+ X$ (91.2) Abreu 95C mult,p
	Buskulic 94B cs		$\Sigma^0 X$ (91.2) Adam 96 cs
	Acton 93L cs		$\Sigma^0 X + \bar{\Sigma}^0 X$ (10 - 91.2) Deangelis 93 cs,p
	Buskulic 93H cs		$\Sigma^- X$ (91.2) Abreu 95C mult,p
	Abreu 92F cs		$\bar{\Sigma}^+ X$ (91.2) Abreu 95C mult,p
	$\bar{B}_s X$ (91.2) Akers 95P cs		

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$e^+ e^- \rightarrow \bar{\Sigma}^0 X$ $e^+ e^- \rightarrow e^\pm \gamma X$

$e^+ e^-$			$e^+ e^-$			$e^+ e^-$		
$\bar{\Sigma}^0 X$ (91.2)	Adam 96	cs	$\Lambda_c(2625)^+ X$ (10.52 - 10.58)	Fujino 95 Edwards 94	cs,p cs,p	$\bar{\Lambda}_b X$	Abreu 93C Akers 93B	cs cs
$\bar{\Sigma}^- X$ (91.2)	Abreu 95C	mult,p	$\Lambda_c^{*+} X$ (10.52 - 10.58)	Fujino 95 Edwards 94 Spengler 94	cs,p cs,p cs,p	$\Xi_b^0 X + \Xi_b^- X$ (91.2)	Abreu 95N	cs
$\Sigma(1385 P_{13})^+ X$ (91.2)	Abreu 95C	mult,p	(10.56)			$\Xi_b^+ X + \Xi_b^0 X$ (91.2)	Abreu 95N	cs
$\Sigma(1385 P_{13})^- X$ (91.2)	Abreu 95C	mult,p	$\bar{\Lambda}_c^{*-} X$ (10.52 - 10.58)	Fujino 95 Edwards 94 Spengler 94	cs,p cs,p cs,p	$\Xi^*(\text{unspec})^0 X$ (29)	Ronan 91	mult
$\Sigma(1385 P_{13})^- X + \bar{\Sigma}(1385 P_{13})^+ X$ (10 - 91.2)	Deangelis 93	cs,p	(10.56)			deuteron X (91.2)	Akers 95H	cs
$\bar{\Sigma}(1385 P_{13})^+ X$ (91.2)	Abreu 95C	mult,p	$\bar{\Lambda}_c(2625)^- X$ (10.52 - 10.58)	Fujino 95 Edwards 94	cs,p cs,p	$^3\bar{H} X$ (91.2)	Akers 95H	cs
$\bar{\Sigma}(1385 P_{13})^- X$ (91.2)	Abreu 95C	mult,p	$\Sigma_c(2455)^{++} X + \bar{\Sigma}_c(2455)^{--} X$ (10 - 30)	Deangelis 93	cs	$\ell^+ \text{jet}^- X$ (91.2)	Buskalic 95U	angp,pt
$\Xi^- X$ (9.46) (29)	Blinov 94 Oyang 91 Ronan 91	mult cs,p mult	$\Sigma_c(2455)^{++} X$ (10.5) (10.56) (10.58)	Crawford 93 Spengler 94 Procario 93	cs cs p	$2\ell^- X$ (88.2 - 94.2)	Buskalic 94D Steinberger 90	col,pt asym,p,pt col,cs
(91.2)	Abreu 95C Hebbeker 91B	mult,p mult,p	$\Sigma_c(2455)^+ X$ (10.5) (10.58)	Crawford 93 Procario 93	cs p	(91.2)	Akers 95E Abreu 94J Sefkow 93 Abreu 92L Colas 91	ang,col,pt asym ang,col angp
$\Xi^- X + \Xi^+ X$ (10 - 91.2)	Deangelis 93	cs,p	$\Sigma_c(2455)^0 X + \bar{\Sigma}_c(2455)^0 X$ (10 - 30)	Deangelis 93	cs	$\ell^+ \ell^- X$ (10.5) (10.58)	Kroha 93 Athanas 94 Schafer 91	angp mass ang,mass
$\Xi^+ X$ (91.2)	Hebbeker 91B	mult,p	$\Sigma_c(2455)^0 X$ (10.5) (10.56) (10.58)	Crawford 93 Spengler 94 Procario 93	cs cs p	(88.2 - 94.2)	Buskalic 94D Steinberger 90	col,pt asym,p,pt
$\Xi(1530 P_{13})^0 X$ (29) (91.2)	Oyang 91 Abreu 95C	cs,p mult,p	$\bar{\Sigma}_c(2455)^0 X$ (10.56)	Spengler 94	cs	(91.2)	Abreu 94J Sefkow 93 Abreu 92L Colas 91	ang,col,pt asym ang,col angp
$\Xi(1530 P_{13})^0 X + \bar{\Xi}(1530 P_{13})^0 X$ (10 - 91.2)	Deangelis 93	cs,p	$\bar{\Sigma}_c(2455)^{--} X$ (10.56)	Spengler 94	cs	$2\ell^+ X$ (88.2 - 94.2)	Steinberger 90	asym,p,pt col,cs
$\bar{\Xi}(1530 P_{13})^0 X$ (91.2)	Abreu 95C	mult,p	$\Xi_c(2460)^+ X$ (10) (10.6)	Alexander 94 Edwards 95B	cs cs,p	(91.2)	Akers 95E Abreu 94J Sefkow 93 Abreu 92L Colas 91	ang,col,pt asym ang,col angp
$\Omega^- X$ (29)	Oyang 91 Ronan 91 Adam 96	cs,p mult cs	$\Xi_c(2460)^0 X$ (10) (10.4)	Alexander 94 Albrecht 94S Albrecht 92R Spengler 94	cs cs cs cs	$2\ell^+ X + 2\ell^- X$ (10.5) (10.58)	Kroha 93 Athanas 94 Schafer 91	angp mass ang,mass
$\Omega^- X + \bar{\Omega}^+ X$ (10 - 91.2)	Deangelis 93	cs,p	(10.56 - 10.86)	Procario 91	-	$\nu \bar{\nu} X$ (88.2 - 94.2) (88.2 - 94.3)	Adeva 91B Alexander 91B	mass mass
$\bar{\Omega}^+ X$ (91.2)	Adam 96	cs	$\bar{\Xi}_c(2460)^0 X$ (10) (10.4) (10.56)	Alexander 94 Albrecht 94S Spengler 94	cs cs cs	$\nu \bar{\nu} (\text{neutrals})$ (91.2)	Buskalic 93L	cs,mass
charmed-baryon X (10.58)	Albrecht 93F	cs,p	$\bar{\Xi}_c(2460)^- X$ (10) (10.6)	Alexander 94 Edwards 95B	cs cs,p	$e^+ \text{mult}[\text{hadron}] X$ (50 - 60.8)	Kim 90C	mass
$\Lambda_c X$ (10.55) (10.6) (29)	Avery 90B Kubota 93 Ronan 91	cs,p - mult	$\Omega_c X$ (10.56) (10.58)	Spengler 94 Albrecht 92J	cs cs	$e^- \text{jet} X$ (57.9) (91.2)	Nakano 94 Abe 94V	angp,p,pt angp,const,p,pt
$\Lambda_c^+ X + \bar{\Lambda}_c^- X$ (10 - 91.2)	Deangelis 93	cs,p	$\bar{\Omega}_c X$ (10.56)	Spengler 94	cs	$e^+ \text{jet} X$ (57.9) (91.2)	Nakano 94 Abe 94V	angp,p,pt angp,const,p,pt
$\Lambda_c^+ X$ (10.3 - 10.58) (10.35 - 10.6) (10.4)	Procario 91 Avery 93 Albrecht 94F Albrecht 94S Albrecht 92C Albrecht 91F	- - - cs cs cs	$\Lambda_b X$ (91.2)	Abreu 95M Akers 95U Akers 95W Alexander 95E Buskalic 95F Musolino 95 Abreu 93C Akers 93B Deangelis 93	cs - cs cs - cs cs cs cs	$e^\pm (\text{hadrons}) \text{jet}$ (52 - 61.4)	Nagai 91	angp
(10.52 - 10.58)	Alexander 95 Bishai 95	p -	$\bar{\Lambda}_b X$ (91.2)	Abreu 95M Akers 95U Akers 95W Alexander 95E Buskalic 95F Musolino 95	cs - cs cs - cs	$e^- \text{hadron}^+ X + e^+ \text{hadron}^- X$ (10.58)	Schafer 91	p
(10.56)	Ammar 95 Crawford 95 Spengler 94	- - cs				$e^- \text{hadron}^- X + e^+ \text{hadron}^+ X$ (10.58)	Schafer 91	p
(10.58)	Bergfeld 94	-				$e^\pm \gamma X$ (10.6)	Acosta 93	ang,mass,p,pt
$\bar{\Lambda}_c^- X$ (10.4) (10.52 - 10.58) (10.56)	Albrecht 94S Bishai 95 Ammar 95 Crawford 95 Spengler 94	cs - - - cs						
$\Lambda_c(2625)^+ X$ (9.3 - 10.6) (10.4)	Semenov 94 Litvintsev 94	cs cs						

$e^+ e^- \rightarrow 2e^- X$ $e^+ e^- \rightarrow D^*(2010)^+ \ell^\pm X$

$e^+ e^-$	$e^+ e^-$	$e^+ e^-$
$2e^- X$ (10.5) Kroha 92B ang,angp,p	$\mu^- \mu^+ X$ (10.53 - 10.58) Bartelt 93 cs	$\omega \mu^+ X$ (10.5) Kroha 92B mass,p
$2e^- X + 2e^+ X$ (10.53 - 10.58) Bartelt 93 cs	(10.58) Besson 93B mass	$a_1(1280)^+ \bar{\nu}_\tau X$ (91.2) Abreu 95T angp,const,cor
$e^- e^+ X$ (9.4 - 10.6) Albrecht 93C ang,p	(14.8 - 42.6) Aleem 92 cs	$K^+ e^+ X$ (10.58) Cronstrom 91 ang
(10.53 - 10.58) Bartelt 93 cs	(35) Aleem 92 cs	$K^- e^+ X$ (10.58) Cronstrom 91 ang
(10.58) Besson 93B cs	(50 - 60.8) Kim 90C mass	$K_S e^+ X$ (10.58) Cronstrom 91 ang
(10.58) Ammar 93B mass	(88.2 - 94.2) Abreu 94M mass	$K^+ \mu^+ X$ (10.58) Cronstrom 91 ang
(50 - 60.8) Kim 90C mass	(88.2 - 94.3) Adeva 91B mass	$K^- \mu^+ X$ (10.58) Cronstrom 91 ang
(88.2 - 94.2) Abreu 94M mass	(91.2) Abreu 95O ang,mass	$K_S \mu^+ X$ (10.58) Cronstrom 91 ang
(88.2 - 94.3) Alexander 91B mass	(91.24) Adriani 92E col	$K^+ \bar{\nu}_\tau X$ (91.2) Abreu 95T angp,const,cor
(91.2) Abreu 95G mass	$2\mu^+ X$ (10.5) Kroha 92B ang,angp,p	$K^*(892)^+ \ell^+ X$ (10.58) Cronstrom 91 ang,mass
(91.24) Abreu 95O angp,mass,p	$\mu^- \mu^+ (\gamma's)$ (88 - 94) Dittmar 92 p	$K^*(892)^0 \ell^+ X$ (10.58) Cronstrom 91 ang,mass
(91.24) Adriani 92E ang,mass col	(130.3 - 140.2) Acciarri 95K angp,cs	$\bar{K}^*(892)^0 \ell^+ X$ (10.58) Cronstrom 91 ang,mass
$2e^+ X$ (10.5) Kroha 92B ang,angp,p	$\mu^- \mu^+ \text{mult}[\gamma]$ (91.2) Abreu 94N cs	$K^*(892)^- \ell^+ X$ (10.58) Cronstrom 91 ang,mass
$e^- e^+ (\gamma's)$ (88 - 94) Dittmar 92 p	$\bar{\nu}_\tau \text{hadron}^- X$ (91.2) Abreu 95T angp,const,cor	$K^*(892)^0 e^- X$ (9.4 - 10.58) Bartelt 94 cs,mass,p,pt
(130.3 - 140.2) Acciarri 95K angp,cs	$\tau^- \tau^+ X$ (88.2 - 94.2) Adeva 91B mass	$K^*(892)^0 e^+ X$ (9.4 - 10.58) Bartelt 94 cs,mass,p,pt
$e^- e^+ \text{mult}[\text{jet}]$ (50 - 62) Olsen 91 col,pt	(88.2 - 94.3) Alexander 91B mass	$\bar{K}^*(892)^0 e^- X$ (9.4 - 10.58) Bartelt 94 cs,mass,p,pt
(58) Tsuboyama 92 pt	(91.2) Buskulic 95 col	$\bar{K}^*(892)^0 e^+ X$ (9.4 - 10.58) Bartelt 94 cs,mass,p,pt
$\mu^+ \text{mult}[\text{hadron}] X$ (50 - 60.8) Kim 90C mass	$\tau^- \tau^+ (\gamma's)$ (88 - 94) Dittmar 92 p	$\bar{K}^*(892)^0 \mu^- X$ (9.4 - 10.58) Bartelt 94 cs,mass,p,pt
$\mu^- \text{jet} X$ (91.2) Abe 94V angp,const,p,pt	(88.24 - 94.23) Grunewald 93 angp,const,cs	$K^*(892)^0 \mu^+ X$ (9.4 - 10.58) Bartelt 94 cs,mass,p,pt
$\mu^+ \text{jet} X$ (91.2) Abe 94V angp,const,p,pt	(130.3 - 140.2) Acciarri 95K angp,cs	$\bar{K}^*(892)^0 \mu^- X$ (9.4 - 10.58) Bartelt 94 cs,mass,p,pt
$\mu^- \text{hadron}^+ X + \mu^+ \text{hadron}^- X$ (10.58) Schafer 91 p	$\pi^+ \ell^- X + \pi^- \ell^+ X$ (10.53 - 10.58) Bartelt 93 mass	$\bar{K}^*(892)^0 \mu^+ X$ (9.4 - 10.58) Bartelt 94 cs,mass,p,pt
$\mu^- \text{hadron}^- X + \mu^+ \text{hadron}^+ X$ (10.58) Schafer 91 p	Besson 93B mass	$\bar{K}^*(892)^0 \mu^- X$ (9.4 - 10.58) Bartelt 94 cs,mass,p,pt
$\mu^\pm \gamma X$ (10.6) Acosta 93 ang,mass,p,pt	$\pi^+ e^- X + \pi^- e^+ X$ (10.58) Ammar 93B pt	$\bar{K}^*(892)^0 e^- X$ (9.4 - 10.58) Bartelt 94 cs,mass,p,pt
$\mu^- e^- X$ (10.5) Kroha 92B ang,angp,p	$\pi^+ \mu^- X + \pi^- \mu^+ X$ (10.58) Ammar 93B pt	$\bar{K}^*(892)^0 e^+ X$ (9.4 - 10.58) Bartelt 94 cs,mass,p,pt
$\mu^- e^- X + \mu^+ e^+ X$ (10.53 - 10.58) Bartelt 93 cs	$\pi^+ \bar{\nu}_\tau X$ (91.2) Abreu 95T angp,const,cor	$\bar{K}^*(892)^0 \mu^+ X$ (9.4 - 10.58) Bartelt 94 cs,mass,p,pt
Besson 93B cs	$\rho^+ e^- X$ (10.5) Kroha 92B mass,p	$\bar{K}^*(892)^0 \mu^- X$ (9.4 - 10.58) Bartelt 94 cs,mass,p,pt
$\mu^- e^+ X$ (9.4 - 10.6) Albrecht 93C ang,p	$\rho^0 e^- X$ (9.4 - 10.58) Bartelt 94 cs,mass,p,pt	$\bar{K}^*(892)^0 \mu^+ X$ (9.4 - 10.58) Bartelt 94 cs,mass,p,pt
(10) Schmidler 95 cor,p	(10.5) Kroha 92B mass,p	$\phi(1020) \ell^+ X$ (10.58) Cronstrom 91 mass,p
(50 - 60.8) Albrecht 93E cor,p	$\rho^0 e^+ X$ (10.5) Kroha 92B mass,p	$\phi(1020) e^- X$ (10.35 - 10.58) Albrecht 91B mass
(91.24) Kim 90C mass	$\rho^+ \mu^- X$ (10.5) Kroha 92B mass,p	$\phi(1020) e^+ X$ (10.6) Butler 94 mass
(91.24) Adriani 92E col	$\rho^0 \mu^- X$ (9.4 - 10.58) Bartelt 94 cs,mass,p,pt	$\phi(1020) \mu^+ X$ (10.6) Butler 94 mass
$\mu^- e^+ X + \mu^+ e^- X$ (3.568 - 3.579) Bai 92 p	(10.5) Kroha 92B mass,p	$D^+ \ell^- X$ (10.58) Albrecht 92E p
(10.53 - 10.58) Bartelt 93 cs	$\rho^0 \mu^+ X$ (9.4 - 10.58) Bartelt 94 cs,mass,p,pt	$D^0 \ell^- X$ (10.58) Albrecht 92E p
(10.58) Besson 93B cs	(10.5) Kroha 92B mass,p	(88.3 - 94.3) Buskulic 93D mass,p
(10.58) Ammar 93B mass	$\rho^- e^+ X$ (10.5) Kroha 92B mass,p	$\bar{D}^0 \ell^+ X$ (88.3 - 94.3) Buskulic 93D mass,p
$\mu^+ e^- X$ (9.4 - 10.6) Albrecht 93C ang,p	$\rho^+ \mu^- X$ (10.5) Kroha 92B mass,p	$D^*(2010)^+ \ell^\pm X$ (91.2) Akers 93I col,p
(10) Schmidler 95 cor,p	$\rho^0 \mu^- X$ (9.4 - 10.58) Bartelt 94 cs,mass,p,pt	
(50 - 60.8) Albrecht 93E cor,p	(10.5) Kroha 92B mass,p	
(91.24) Kim 90C mass	$\rho^- \mu^+ X$ (10.5) Kroha 92B mass,p	
(91.24) Adriani 92E col	$\rho^+ \bar{\nu}_\tau X$ (91.2) Abreu 95T angp,const,cor	
$\mu^+ e^+ X$ (10.5) Kroha 92B ang,angp,p	$\omega e^- X$ (10.5) Kroha 92B mass,p	
$2\mu^- X$ (10.5) Kroha 92B ang,angp,p	$\omega e^+ X$ (10.5) Kroha 92B mass,p	
$2\mu^- X + 2\mu^+ X$ (10.53 - 10.58) Bartelt 93 cs	$\omega \mu^- X$ (10.5) Kroha 92B mass,p	
Besson 93B cs		

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$e^+ e^- \rightarrow D^*(2010)^+ \ell^- X$

$e^+ e^- \rightarrow 2\gamma X$

$e^+ e^-$	$e^+ e^-$	$e^+ e^-$
$D^*(2010)^+ \ell^- X$ (10.58) Albrecht 92E p Schafer 91 cor	2charged⁺ X (58) Choi 95 cor,mass,p,pt (91) Abreu 92G ang,cor	2hadron (hadrons) (91) Bethke 91 col,const,cs (91 - 91.5) Buskuclic 95G col Decamp 90 col Decamp 90N col,const,cor
(88.3 - 94.3) Buskuclic 93D mass,p (91.2) Buskuclic 93I ang,cor	charged⁺ charged⁻ X (58) Choi 95 cor,mass,p,pt (91) Abreu 92G ang,cor	(91.2) Acciarri 95E ang,col,p Akers 95C col,const,cor,p
$D^*(2010)^+ \ell^+ X$ (10.58) Schafer 91 cor (91.2) Buskuclic 93I ang,cor	2charged⁻ X (58) Choi 95 cor,mass,p,pt (91) Abreu 92G ang,cor	Akers 93F cs Blondel 93 col,const,cor,p
$D^*(2010)^- \ell^- X$ (91.2) Buskuclic 93I ang,cor	2charged (neutrals) (9.4 - 10.6) Albrecht 91M cs	Blondel 93B cs Acton 92H const,cs Adeva 92D col Adriani 92 col,const,cor,mass
$D^*(2010)^- \ell^+ X$ (88.3 - 94.3) Buskuclic 93D mass,p (91.2) Buskuclic 93I ang,cor	(jets) jet X (130.3 - 136.3) Acciarri 95N const,cs,mass,p	Bethke 92 col,const,cor,cs Chrin 92 const,cor Decamp 92B col,const Hebbeker 91 col,cor Hebbeker 91B col,cor Adeva 90U asym,const,cor,p
$D^*(2010)^+ e^- X$ (10.5) Kroha 92B mass,p	neutral (neutrals) jet (91.2) Buskuclic 94I cs,mass,pt	(91.26) Abe 94C asym,const,cs (91.27 - 91.28) Buskuclic 94E cs (91.28) Abreu 94G cs (91.2) Akers 93D angp,const,cs
$D^*(2010)^- e^+ X$ (10.5) Kroha 92B mass,p	2jet X (35) Podobrin 91 col,cor,pt (58) Li 95 const,mass (91.2) Buskuclic 95V col Akers 94R col	(91.3) Acton 91H ang,asym,col,const,cor (91.55) Abe 95Z col,const,cs,p Abe 93M asym,const,cs Abe 93Z col,cs Prescott 93 asym,const,cs Su 92 col
$D^*(2010)^+ \mu^- X$ (10.5) Kroha 92B mass,p	(jets) 2jet (4 - 9) Behrend 91 angp,col,pt	(92.1) Bethke 91B const,cs Fabbri 91 const,cs
$D^*(2010)^- \mu^+ X$ (10.5) Kroha 92B mass,p	hadron (hadrons) X (7.2 - 10.34) Blinov 93 col,cs (91.2) Fero 94 asym,const	(91.3) Acton 91H ang,asym,col,const,cor (91.55) Abe 95Z col,const,cs,p Abe 93M asym,const,cs Abe 93Z col,cs Prescott 93 asym,const,cs Su 92 col
$\bar{B}^0 \ell^- X$ (10.58) Schafer 91 cor	2hadron⁺ X (91) Decamp 91P cor	(91.55) Abe 95Z col,const,cs,p Abe 93M asym,const,cs Abe 93Z col,cs Prescott 93 asym,const,cs Su 92 col
$\bar{B}^0 \ell^+ X$ (10.58) Schafer 91 cor	hadron⁺ hadron⁻ X (91) Decamp 91P cor	(92.1) Bethke 91B const,cs Fabbri 91 const,cs
$\Lambda \ell^- X$ (91.2) Abreu 94J ang,col,pt Akers 93B cor,cs	2hadron (hadrons) (3 - 7.4) Bethke 91 col (5 - 94) Branchina 92 const,cs (7.23 - 10.34) Blinov 91 cs (10 - 94.2) Bethke 92B col,const,cor,cs	charged-hadron (charged-hadrons) X (91.2) Baranko 94 asym,col,const,p
$\Lambda \ell^+ X$ (91.2) Abreu 94J ang,col,pt Abreu 93C mass,pt Akers 93B cor,cs	(12 - 46) Bethke 91 col (14 - 46.5) Kumita 92 const,cs (29) Bethke 91 col Vonzanthier 90 cs Olsen 91 cs (50 - 62) Kumita 92 const,cs (52 - 61.4) Abe 93B cs (57.4 - 59.8) Miyabayashi 95 cor,cs (57.77) Lee 93B col,p (57.9) Li 95 col (58) Li 93 col,const,cor Li 93B col Tsuboyama 92 col,const,cs	2charged-hadron X (88.3 - 94.3) Acton 92G cor,p (91.2) Boyle 91 ang,const,cor
$\bar{\Lambda} \ell^- X$ (91.2) Abreu 94J ang,col,pt Abreu 93C mass,pt	(50 - 62) Kumita 92 const,cs (52 - 61.4) Abe 93B cs (57.4 - 59.8) Miyabayashi 95 cor,cs (57.77) Lee 93B col,p (57.9) Li 95 col (58) Li 93 col,const,cor Li 93B col Tsuboyama 92 col,const,cs	2charged-hadron (hadrons) (9.36 - 10.47) Albrecht 91L cs (88 - 94) Acton 91 col,const,mass (88.25 - 95) Sawyer 91 asym,col (88.28 - 95.03) Giacomelli 91 col,const,mass (91.2) Burrows 92 ang,const,cor
$\bar{\Lambda} \ell^+ X$ (91.2) Abreu 94J ang,col,pt	(88.2 - 94.2) Maki 91 cs Abreu 94E cs Acciarri 94 angp,const,cs Adriani 93B angp,const,cs,p Adriani 93F const,cs Adeva 91D cs Banerjee 91 const,cs Burkhardt 91 cs Decamp 91S const,cs Steinberger 90 cs	longlived⁺ longlived⁻ X (52 - 61.4) Adachi 91 cs
$\Lambda e^+ X$ (10.56) Crawford 95 ang,angp,mass (10.58) Bergfeld 94 ang,mass	(88.2 - 94.3) Maki 91 cs Abreu 94E cs Acciarri 94 angp,const,cs Adriani 93B angp,const,cs,p Adriani 93F const,cs Adeva 91D cs Banerjee 91 const,cs Burkhardt 91 cs Decamp 91S const,cs Steinberger 90 cs	γ neutral (neutrals) (57.8) Sugimoto 95 angp,cs,p,pt
$\bar{\Lambda} e^- X$ (10.56) Crawford 95 ang,angp,mass	(88.2 - 94.3) Maki 91 cs Abreu 94E cs Acciarri 94 angp,const,cs Adriani 93B angp,const,cs,p Adriani 93F const,cs Adeva 91D cs Banerjee 91 const,cs Burkhardt 91 cs Decamp 91S const,cs Steinberger 90 cs	γ charged X (10.46 - 10.59) Lesiak 91 angp
$\Lambda \mu^+ X$ (10.58) Bergfeld 94 mass	(88.2 - 94.3) Maki 91 cs Abreu 94E cs Acciarri 94 angp,const,cs Adriani 93B angp,const,cs,p Adriani 93F const,cs Adeva 91D cs Banerjee 91 const,cs Burkhardt 91 cs Decamp 91S const,cs Steinberger 90 cs	γ (jets) jet (88.28 - 94.28) Alexander 91D mass
$\Xi^- \ell^+ X$ (10.4) Albrecht 92R mass,p	(88.2 - 94.3) Maki 91 cs Abreu 94E cs Acciarri 94 angp,const,cs Adriani 93B angp,const,cs,p Adriani 93F const,cs Adeva 91D cs Banerjee 91 const,cs Burkhardt 91 cs Decamp 91S const,cs Steinberger 90 cs	γ hadron (hadrons) (88 - 95) Decamp 91E cs,p,pt Perez 91 cs (88.2 - 94.2) Adriani 93B angp,const,cs,p Adeva 91E mass,p (88.2 - 94.22) Abreu 91M p,pt (88.28 - 94.28) Alexander 91D mass (91 - 91.5) Adriani 92G col,p,pt (91.2) Acciarri 95E ang,col,p
$\Xi^0 e^+ X$ (10) Alexander 94 angp,mass	(88.2 - 94.3) Maki 91 cs Abreu 94E cs Acciarri 94 angp,const,cs Adriani 93B angp,const,cs,p Adriani 93F const,cs Adeva 91D cs Banerjee 91 const,cs Burkhardt 91 cs Decamp 91S const,cs Steinberger 90 cs	2γ X (9.39 - 10.52) Bieler 90 mass (10.6) Artuso 92 mass
$\Xi^- e^+ X$ (10) Alexander 94 angp,mass	(88.2 - 94.3) Maki 91 cs Abreu 94E cs Acciarri 94 angp,const,cs Adriani 93B angp,const,cs,p Adriani 93F const,cs Adeva 91D cs Banerjee 91 const,cs Burkhardt 91 cs Decamp 91S const,cs Steinberger 90 cs	
$\Xi^+ e^- X$ (10) Alexander 94 angp,mass	(88.2 - 94.3) Maki 91 cs Abreu 94E cs Acciarri 94 angp,const,cs Adriani 93B angp,const,cs,p Adriani 93F const,cs Adeva 91D cs Banerjee 91 const,cs Burkhardt 91 cs Decamp 91S const,cs Steinberger 90 cs	
$\Xi^0 e^- X$ (10) Alexander 94 angp,mass	(88.2 - 94.3) Maki 91 cs Abreu 94E cs Acciarri 94 angp,const,cs Adriani 93B angp,const,cs,p Adriani 93F const,cs Adeva 91D cs Banerjee 91 const,cs Burkhardt 91 cs Decamp 91S const,cs Steinberger 90 cs	
$\Lambda_c^+ \ell^- X$ (91.2) Akers 93B cs,mass	(88.22 - 94.28) Decamp 91N asym,const,cs (88.22 - 95.35) Abreu 91B const,cs (88.23 - 94.22) Adriani 93D cs (88.23 - 95.04) Adriani 93C cs Alexander 91C angp,const,cs	
$\bar{\Lambda}_c^- \ell^+ X$ (91.2) Akers 93B cs,mass	(88.3 - 94.3) Ting 93 const,cs Rolandi 92 const,cs (88.3 - 95) Pietrzyk 91 cs (88.48 - 93.72) Acton 93C angp,const,cs	
2charged X (35) Podobrin 91 col,cor,pt (91) Deangelis 91C ang,cor,pt		

$e^+ e^- \rightarrow 2\gamma$ (neutrals) $e^+ e^- \rightarrow \bar{D}^0 \pi^- X$

$e^+ e^-$	$e^+ e^-$	$e^+ e^-$
2γ (neutrals) (88-94) Dittmar 92 ang,cs	$K^+ \pi^- X$ (10) Albrecht 94N mass (10.4) Albrecht 94L	$\bar{K}^*(892)^0 \eta' X$ (10.36-10.7) Procario 92B mass
2γ (γ 's) (88.2-94.2) Abreu 94H angp,cs (88.5-93.7) Adriani 92B angp,const,cs	(10.5) Kroha 92B mass,p (88.3-94.3) Buskulic 93P mass,p (91) Abreu 95E mass (91.2) Ting 93 mass,p (91.2) Abreu 92J mass	$K^*(892)^+ \bar{K}^*(892)^0 X$ (10.3-10.58) Albrecht 91P mass
$q \bar{q} X$ (52-61.4) Adachi 91 cs	$\bar{K}^0 \pi^0 X$ (10.36-10.7) Procario 92B mass	$\phi(1020) \pi^+ X$ (10.3-10.58) Procario 91 mass (10.35-10.58) Alexander 92 mass (10.36-10.58) Daoudi 91 mass (10.6) Brown 94 mass
$\bar{b} b X$ (91.2) Abreu 95M cs Akers 95W cs	$K^- \pi^+ X$ (10) Albrecht 94N mass (10.4) Albrecht 94L	$\phi(1020) \pi^0 X$ (9.4-10.6) Albrecht 94J cs,mass
π^0 charged $^+ X$ (10.6) Urheim 94 mass,p	(10.5) Litvintsev 94 angp,mass,p (10.52-10.7) Kroha 92B mass,p (10.52-10.7) Balest 94 mass (10.58) Alam 94C cs,mass (10.6) Avery 94 mass (10.6) Brown 94 mass (88.3-94.3) Akerib 93 col,mass,pt (88.3-94.3) Buskulic 93P mass,p (91) Decamp 91P cor (91.2) Ting 93 mass,p (91.2) Abreu 92J mass	$\phi(1020) \rho^+ X$ (10.3-10.58) Procario 91 mass (10.35-10.6) Avery 92 mass (10.36-10.58) Daoudi 91 mass
π^0 charged $^- X$ (10.6) Urheim 94 mass,p	$K_S \pi^+ X$ (9.4-10.6) Busse 93 mass,p (9.46) Albrecht 94G mass (91.3) Abreu 94Q mass,p	$\phi(1020) \rho^0 X$ (9.4-10.6) Albrecht 94J cs,mass
$2\pi^+ X + 2\pi^- X$ (9.3-10.5) Herrera 91 col,pt (29) Ronan 91 cor,p	(88.3-94.3) Maringer 92 mass,p (91.2) Acton 92O mass,p	$K^- \phi(1020) X$ (91) Abreu 95E mass
$2\pi^+ X$ (7.2-10.3) Blinov 95 cor,mass (91) Decamp 91P cor (91.2) Hebbeker 91B cor (91.28) Abreu 94B cor,mass	$K_S \pi^- X$ (91.3) Abreu 94Q mass,p	charm \bar{c} charm X (91.2) Abe 94V asym,const,pol
$2\pi^0 X$ (9.46-10.58) Antreasyan 91 mass,p	$\bar{K}^0 \eta X$ (10.36-10.7) Procario 92B mass	$D^+ \gamma X$ (10) Albrecht 94N mass (10.6) Butler 92 mass
$\pi^+ \pi^- X$ (9.3-10.5) Herrera 91 col,pt (9.46) Albrecht 94G mass (10.35) Butler 93 mass (10.5) Kroha 93 mass,p (10.5) Kroha 92B mass,p (29) Ronan 91 cor,p (91) Abreu 95E mass (91) Decamp 91P cor (91.2) Ting 93 mass,p (91.28) Abreu 92J mass (91.28) Abreu 94B cor,mass (91.3) Abreu 94Q mass,p	$K^+ \rho^- X$ (10.5) Kroha 92B mass,p	$D^0 \gamma X$ (10) Albrecht 94N mass (10.6) Brown 94 mass (10.6) Butler 92 mass
$2\pi^- X$ (7.2-10.3) Blinov 95 cor,mass (91.2) Hebbeker 91B cor (91.28) Abreu 94B cor,mass	$K^- \rho^+ X$ (10.5) Kroha 92B mass,p	$\bar{D}^0 \gamma X$ (10) Albrecht 94N mass
$\eta \pi^+ X$ (10.3-10.58) Procario 91 mass (10.35-10.58) Alexander 92 mass (10.36-10.58) Daoudi 91 mass	$K^- \rho^0 X$ (91) Abreu 95E mass	$D^- \gamma X$ (10) Albrecht 94N mass
$\rho^0 \pi^- X$ (91) Abreu 95E mass	$\bar{K}^0 \eta' X$ (10.36-10.7) Procario 92B mass	$D \pi^- X$ (10.58) Athanas 94 mass
$\rho^+ \eta X$ (10.3-10.58) Procario 91 mass (10.35-10.6) Avery 92 mass (10.36-10.58) Daoudi 91 mass	$K^+ a_1(1260)^- X$ (91) Abreu 95E mass	$D^+ \pi^0 X$ (10) Albrecht 94N mass (10.6) Bortoletto 92 mass (10.6) Butler 92 mass
$\eta' \pi^+ X$ (10.3-10.58) Procario 91 mass (10.35-10.58) Alexander 92 mass (10.36-10.58) Daoudi 91 mass	$K^+ K^- X$ (10.58) Cronstrom 91 mass (91) Abreu 95E mass (91.2) Akers 95J cs,p	$D^+ \pi^- X$ (10.58) Alam 94C cs,mass (10.58) Avery 94 mass
$\eta' \rho^+ X$ (10.3-10.58) Procario 91 mass (10.35-10.6) Avery 92 mass (10.36-10.58) Daoudi 91 mass	$K^+ K_S X$ (9.4-10.6) Busse 93 mass,p	$D^0 \pi^+ X$ (9.46-10.58) Albrecht 92G mass (10) Albrecht 92O mass (10.4) Albrecht 94L angp,mass,p
γ strange X (10.6) Ali 93 mass	$2K_S X$ (91.2) Akers 95J const,cor,cs,mass,mult,p Schwiening 95 cor,p Buskulic 94M ang,cor,mult,p	(10.58) Litvintsev 94 cs,mass Alam 94C cs,mass Bergfeld 94B angp,mass,p
K^\pm (neutrals) X (10.6) Battle 94 mass	Maur 94 cor,p Abreu 94C cor,mass	(10.6) Cinabro 93B mass (10.6) Akerib 93 col,pt (57.9-58) Suzuki 93C mass (88.4-93.8) Akers 93E mass (91.2) Alexander 91 mass
$K^\pm \pi^0 X$ (10.6) Battle 94 mass	$K^*(892)^0 \gamma X$ (10.6) Ali 93 mass Ammar 93 mass	$D^0 \pi^0 X$ (10) Albrecht 94N mass (10.58) Alam 94C cs,mass (10.6) Bortoletto 92 mass (10.6) Butler 92 mass
$K^+ \pi^+ X$ (91) Decamp 91P cor	$K^*(892)^- \gamma X$ (10.6) Ali 93 mass Ammar 93 mass	$D^0 \pi^- X$ (10) Albrecht 92O mass (10.58) Alam 94C cs,mass
$K^+ \pi^0 X$ (3.77) Labs 92 mass,p	$\bar{K}^*(892)^0 \pi^0 X$ (10.36-10.7) Procario 92B mass	$\bar{D}^0 \pi^0 X$ (10) Albrecht 94N mass
$K^+ \pi^- X$ (9.46) Albrecht 94G mass	$\bar{K}^*(892)^0 \pi^- X$ (91) Abreu 95E mass	$\bar{D}^0 \pi^- X$ (10.4) Albrecht 94L angp,mass,p
	$\bar{K}^*(892)^0 \eta X$ (10.36-10.7) Procario 92B mass	(10.58) Bergfeld 94B angp,mass,p (57.9-58) Suzuki 93C mass (91.2) Alexander 91 mass

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$e^+ e^- \rightarrow D^- \pi^0 X$ $e^+ e^- \rightarrow B^- \pi^+ X$

$e^+ e^-$			$e^+ e^-$			$e^+ e^-$		
$D^- \pi^0 X$ (10)	Albrecht 94N	mass	$D^*(2010)^- K^+ X$ (10.58)	Albrecht 95H Cronstrom 91	p ang	$K^- J/\psi(1S) X$ (10.58)	Alam 94C	cs,mass
$D^0 \eta X$ (10.58)	Alam 94C	cs,mass	$D^*(2010)^- K^- X$ (10.58)	Albrecht 95H Cronstrom 91	p ang	$K^*(892) J/\psi(1S) X$ (10.58)	Athanas 94	mass
$D \rho^- X$ (10.58)	Athanas 94	mass	$D^*(2010)^- K_S X$ (10.58)	Cronstrom 91	ang	$K^*(892)^+ J/\psi(1S) X$ (10.6)	Albrecht 94P	ang,angp,mass
$D^+ \rho^- X$ (10.58)	Alam 94C	cs,mass	$D^*(2010)^+ \text{charm}^- X$ (10)	Albrecht 91K	cs	$K^*(892)^0 J/\psi(1S) X$ (10.58) (10.6)	Alam 94C Albrecht 94P	cs,mass ang,angp,mass
$D^0 \rho^0 X$ (10.58)	Alam 94C	cs,mass	$D_s^+ \gamma X$ (10.6)	Brown 94 Acosta 93	mass ang,mass,p,pt	$\bar{K}^*(892)^0 J/\psi(1S) X$ (10.6)	Albrecht 94P	ang,angp,mass
$D^0 \rho^- X$ (10.58)	Alam 94C	cs,mass	$D_s^+ \pi^0 X$ (10.6)	Albrecht 93B Besson 93B	mass mass	$K^*(892)^- J/\psi(1S) X$ (10.58) (10.6)	Alam 94C Albrecht 94P	cs,mass ang,angp,mass
$D^0 \omega X$ (10.58)	Alam 94C	cs,mass	$D_s^+ \pi^- X$ (10.6)	Albrecht 93B Besson 93B	mass mass	$K^\pm \chi_{c1}(1P) X$ (10.58)	Albrecht 91D	cs
$D^0 \eta' X$ (10.58)	Alam 94C	cs,mass	$D_s^+ \rho^0 X$ (10.6)	Albrecht 93B Besson 93B	mass mass	$K^0 \chi_{c1}(1P) X$ (10.58)	Alam 94C	cs,mass
$D a_1(1260)^- X$ (10.58)	Athanas 94	mass	$D_s^+ \rho^- X$ (10.6)	Albrecht 93B Besson 93B	mass mass	$K^- \chi_{c1}(1P) X$ (10.58)	Alam 94C	cs,mass
$D^0 K^+ X$ (10 - 10.6) (10.35 - 10.58)	Albrecht 95D Kubota 94	mass,p mass	$D_s^+ \omega X$ (10.6)	Albrecht 93B Besson 93B	mass mass	$K^*(892)^0 \chi_{c1}(1P) X$ (10.58)	Alam 94C	cs,mass
$\bar{D}^0 K^- X$ (10 - 10.6)	Albrecht 95D	mass,p	$D_s^+ a_1(1260)^0 X$ (10.6)	Albrecht 93B Besson 93B	mass mass	$K^*(892)^- \chi_{c1}(1P) X$ (10.58)	Alam 94C	cs,mass
$D^*(2010)^+ \text{jet} X$ (91.2)	Abreu 94K	col,cor	$D_s^+ a_1(1260)^- X$ (10.6)	Albrecht 93B Besson 93B	mass mass	$K^0 \psi(2S) X$ (10.58)	Alam 94C	cs,mass
$D^*(2010)^- \text{jet} X$ (91.2)	Abreu 94K	col,cor	$D_s^+ a_1(1260)^- X$ (10.6)	Albrecht 93B Besson 93B	mass mass	$K^- \psi(2S) X$ (10.58)	Alam 94C	cs,mass
$D^*(2010) \pi^- X$ (10.58)	Athanas 94	mass	$D_s^- K^+ X$ (10.6)	Albrecht 93B Besson 93B	mass mass	$K^*(892)^0 \psi(2S) X$ (10.58)	Alam 94C	cs,mass
$D^*(2010)^+ \pi^- X$ (10.58)	Avery 94	mass	$D_s^+ K_S X$ (10.6)	Albrecht 93B Besson 93B	mass mass	$K^*(892)^- \psi(2S) X$ (10.58)	Alam 94C	cs,mass
$D^*(2010)^0 \pi^+ X$ (10.58)	Bergfeld 94B	amp,angp,mass,p	$D_s^- K^*(892)^+ X$ (10.6)	Albrecht 93B Besson 93B	mass mass	$K^0 \psi(2S) X$ (10.58)	Alam 94C	cs,mass
$D^*(2010)^0 \pi^0 X$ (10.58)	Alam 94C	cs,mass	$D_s^+ \bar{K}^*(892)^0 X$ (10.6)	Albrecht 93B Besson 93B	mass mass	$K^*(892)^- \psi(2S) X$ (10.58)	Alam 94C	cs,mass
$D^*(2010)^0 \pi^- X$ (10.58)	Alam 94C	cs,mass	$D_s^+ \bar{K}^*(892)^0 X$ (10.6)	Albrecht 93B Besson 93B	mass mass	$\text{bottom bottom} X$ (91.2)	Abe 94U Abe 94V	asym,const,pol asym,const,pol
$\bar{D}^*(2010)^0 \pi^- X$ (10.58)	Bergfeld 94B	amp,angp,mass,p	$D_s^+ \phi(1020) X$ (10.6)	Albrecht 93B Besson 93B	mass mass	$B \text{ charged } X + \bar{B} \text{ charged } X$ (91.2)	Abreu 95Q	mult,p
$D^*(2010)^0 \eta X$ (10.58)	Alam 94C	cs,mass	$D_s^+ \bar{D}^*(2010) X$ (10.58)	Albrecht 91J	mass	$B^\pm \gamma X$ (91.2)	Akers 94R	cor,mass
$D^*(2010) \rho^- X$ (10.58)	Athanas 94	mass	$D_1(2420)^0 \pi^- X$ (10.58)	Alam 94C	cs,mass	$B \pi^+ X$ (91.2)	Abreu 95R	cs,mass
$D^*(2010)^+ \rho^- X$ (10.58)	Alam 94C	mass,pol	$D_1(2420)^0 \rho^- X$ (10.58)	Alam 94C	cs,mass	$B \pi^0 X$ (91.2)	Adam 95	p
$D^*(2010)^0 \rho^0 X$ (10.58)	Alam 94C	cs,mass	$D_2^*(2460)^0 \pi^- X$ (10.58)	Alam 94C	cs,mass	$B \pi^- X$ (91.2)	Abreu 95R	cs,mass
$D^*(2010)^0 \rho^- X$ (10.58)	Alam 94C	cs,mass	$D_2^*(2460)^0 \rho^- X$ (10.58)	Alam 94C	cs,mass	$B^+ \pi^+ X$ (91.2)	Akers 94R	cor,mass
$D^*(2010)^0 \omega X$ (10.58)	Alam 94C	cs,mass	$J/\psi(1S) \gamma X$ (10.58) (88.2 - 94.2)	Albrecht 91D Abreu 94M	mass mass	$B^+ \pi^- X$ (91.2)	Akers 94R	cor,mass
$D^*(2010)^0 \eta' X$ (10.58)	Alam 94C	cs,mass	$K J/\psi(1S) X$ (10.58)	Athanas 94	mass	$B^0 \pi^\pm X$ (91.2)	Akers 94R	cor,mass
$D^*(2010) a_1(1260)^- X$ (10.58)	Athanas 94	mass	$K^0 J/\psi(1S) X$ (10.58)	Alam 94C	cs,mass	$\bar{B} \pi^+ X$ (91.2)	Abreu 95R	cs,mass
$D^*(2010)^+ K^+ X$ (10.58)	Albrecht 95H	p				$\bar{B} \pi^0 X$ (91.2)	Adam 95	p
$D^*(2010)^0 K^+ X$ (10.4)	Albrecht 92N	mass				$\bar{B} \pi^- X$ (91.2)	Abreu 95R	cs,mass
$D^*(2010)^+ K^- X$ (10.58)	Albrecht 95H	p				$\bar{B}^0 \pi^\pm X$ (91.2)	Akers 94R	cor,mass
						$B^- \pi^+ X$ (91.2)	Akers 94R	cor,mass

$e^+ e^- \rightarrow B^- \pi^- X$ $e^+ e^- \rightarrow e^- \nu_\tau \bar{\nu}_e X + e^+ \bar{\nu}_\tau \nu_e X$

$e^+ e^-$	$e^+ e^-$	$e^+ e^-$
$B^- \pi^- X$ (91.2) Akers 94R cor,mass	$\bar{\Lambda} B X + \bar{\Lambda} \bar{B} X$ (91.2) Abreu 95Q mult,p	$\Xi(1530 P_{13})^0 K^+ X$ (10.35 - 10.6) Avery 93 mass (10.4) Albrecht 94S cs,mass,p
$K^\pm B X + K^\pm \bar{B} X$ (91.2) Abreu 95Q mult,p	$2\Lambda X + 2\bar{\Lambda} X$ (10) Albrecht 90B ang,p (29) Geld 92 mult Ronan 91 cor,p	$\bar{\Xi}(1530 P_{13})^0 K^- X$ (10.4) Albrecht 94S cs,mass,p
$K_S B X + K_S \bar{B} X$ (91.2) Abreu 95Q mult,p	$2\Lambda X$ (91.2) Buskulic 94M ang,cor,mult,p Acton 92T cor,p	$\Omega^- K^+ X$ (10.58 - 10.86) Procaro 91 mass (10.58 - 10.87) Henderson 91B mass
$2D^0 X$ (88.2 - 94.2) Akers 94G cs (91.2) Buskulic 93I cs	$\Lambda \bar{\Lambda} X$ (29) Geld 92 mult Oyang 91 cor,p Ronan 91 cor,p Buskulic 94M ang,cor,mult,p Abreu 93K cor,mult,p Deangelis 93 ang,col,p Acton 92T cor,p	$\Lambda_c^+ \pi^+ X$ (10.5) Crawford 93 mass (10.58) Albrecht 93F mass Procaro 93 mass
$B^0 \bar{B}^0 X$ (88.2 - 94.2) Akers 94G cs (91.2) Abreu 94K cs Buskulic 93I cs	(91.2)	$\Lambda_c^+ \pi^0 X$ (10.5) Crawford 93 mass (10.58) Procaro 93 mass
$2\bar{B}^0 X$ (88.2 - 94.2) Akers 94G cs (91.2) Buskulic 93I cs	$2\bar{\Lambda} X$ (91.2) Buskulic 94M ang,cor,mult,p Acton 92T cor,p	$\Lambda_c^+ \pi^- X$ (10.5) Crawford 93 mass (10.58) Albrecht 93F mass Procaro 93 mass
$\pi^+ B^* X$ (91.2) Abreu 95R cs,mass	$\Sigma^+ \pi^0 X$ (10.52 - 10.58) Bishai 95 ang,angp,mass,p (10.6) Kubota 93 mass	$\Sigma_c(2455)^{++} \pi^- X$ (10.58) Albrecht 93F mass
$\pi^- B^* X$ (91.2) Abreu 95R cs,mass	$\Sigma^0 \pi^+ X$ (10.3 - 10.58) Procaro 91 mass	$\Sigma_c(2455)^0 \pi^+ X$ (10.58) Albrecht 93F mass
$\pi^+ \bar{B}^* X$ (91.2) Abreu 95R cs,mass	$\bar{\Sigma}^- \pi^0 X$ (10.52 - 10.58) Bishai 95 ang,angp,mass,p	$\Xi_c(2460)^+ \pi^- X$ (10.5 - 10.7) Avery 95 mass
$\pi^- \bar{B}^* X$ (91.2) Abreu 95R cs,mass	$\Sigma^+ \eta X$ (10.56) Ammar 95 mass,p	$\ell^+ \ell^- \text{ mult[charged] (neutrals)}$ (91.2) Akers 94N col,cs,pt
$B_s \bar{B}_s X$ (91.2) Buskulic 95U -	$\bar{\Sigma}^- \eta X$ (10.56) Ammar 95 mass,p	$e^\pm \text{ hadron (hadrons) X}$ (88.2 - 94.2) Acciarri 94D angp,col,p,pt
$p \pi^- X$ (7.2 - 10) Blinov 94 mass (10.5 - 10.58) Crawford 91B mass,p (91.2) Abreu 93K mass	$\Sigma^+ \rho^0 X$ (10.6) Kubota 93 mass	$e^- \text{ hadron (hadrons) X}$ (58) Sahu 95 angp,mass,p,pt Sahu 95B angp,mass,p,pt (88.2 - 94.2) Acciarri 94D angp,col,p,pt
$p \bar{K}^0 X$ (10.55) Avery 90B mass	$\Sigma^+ \omega X$ (10.6) Kubota 93 mass	$e^+ \text{ hadron (hadrons) X}$ (88.2 - 94.2) Acciarri 94D angp,col,p,pt
$p K_S X$ (10.5) Crawford 93 mass	$\Sigma^+ \phi(1020) X$ (10.35 - 10.6) Avery 93 mass	$e^- e^+ \text{ neutral (neutrals)}$ (91.2) Buskulic 94I cs,mass,pt
$p \phi(1020) X$ (10.52 - 10.58) Alexander 95 cs,mass	$\Sigma(1385 P_{13})^+ \eta X$ (10.56) Ammar 95 mass,p	$e^- e^+ \text{ jet X}$ (58) Tauchi 94 p,pt Finch 93 pt Hayashii 93 cs,p,pt Sakuda 93 p,pt Tauchi 93 cs,pt Kim 93B p,pt Kim 93C p,pt Finch 93 col,pt
$p B X + p \bar{B} X$ (91.2) Abreu 95Q mult,p	$\bar{\Sigma}(1385 P_{13})^- \eta X$ (10.56) Ammar 95 mass,p	$e^- e^+ \text{ hadron (hadrons)}$ (9.4 - 10.6) Kriznic 94 - (50 - 62) Olsen 91 col,pt (52 - 61.4) Muramatsu 94 angp,p (58) Tauchi 94 col,p,pt Sakuda 93 col,p,pt (88.3 - 94.3) Abreu 94D col,cs,p (91.2) Abreu 95 angp,col,p,pt Akers 93G angp,mass
$\bar{p} B X + \bar{p} \bar{B} X$ (91.2) Abreu 95Q mult,p	$\Xi^0 \pi^+ X$ (10.6) Edwards 95B mass	$e^- e^+ \text{ charged-hadron X}$ (29) Cords 93 angp,mass,pt
$2p X + 2\bar{p} X$ (10) Albrecht 90B ang,p	$\Xi^- \pi^+ X$ (10) Alexander 94 angp,mass (10.58 - 10.86) Procaro 91 mass (10.58 - 10.87) Henderson 91B mass (91.2) Abreu 95C mass,p	$e^- e^+ e^\pm X$ (58) Abe 93ZF p,pt Uehara 93 ang,col
$p \bar{p} X$ (91) Abreu 95E mass (91.2) Deangelis 93 ang,col,p	$\Xi^+ \pi^- X$ (10) Alexander 94 angp,mass	$2e^- e^+ X$ (9.4 - 10.58) Bartelt 94 cs,mass,p,pt
$\Lambda \pi^+ X$ (10.3 - 10.58) Procaro 91 mass (10.4) Albrecht 92C ang,mass (10.52 - 10.58) Bishai 95 ang,angp,mass,p (10.55) Avery 90B mass (91.2) Abreu 95C mass,p	$\Xi^0 \pi^- X$ (10.6) Edwards 95B mass	$e^- 2e^+ X$ (9.4 - 10.58) Bartelt 94 cs,mass,p,pt
$\Lambda \pi^- X$ (9.46) Blinov 94 mass (91.2) Abreu 95C mass,p	$\Xi^0 K^+ X$ (10.35 - 10.6) Avery 93 mass	$e^- \nu_\tau \bar{\nu}_e X + e^+ \bar{\nu}_\tau \nu_e X$ (91) Abreu 95F cs
$\bar{\Lambda} \pi^+ X$ (91.2) Abreu 95C mass,p	$\bar{\Lambda} \Xi^- X$ (29) Oyang 91 cor,p (91.2) Acton 92T cor,p	
$\bar{\Lambda} \pi^- X$ (10.52 - 10.58) Bishai 95 ang,angp,mass,p (91.2) Abreu 95C mass,p	$\Lambda \Xi^+ X + \bar{\Lambda} \Xi^- X$ (91.2) Abreu 95C cor,mult	
$\Lambda K_S X$ (10.4) Albrecht 94S cs,mass,p (91.2) Buskulic 94M ang,cor,mult,p	$\Lambda \Xi^+ X$ (91.2) Acton 92T cor,p	
$\bar{\Lambda} K_S X$ (10.4) Albrecht 94S cs,mass,p (91.2) Buskulic 94M ang,cor,mult,p	$\Xi^- \Xi^+ X$ (91.2) Acton 92T cor,p	
$\Lambda B X + \Lambda \bar{B} X$ (91.2) Abreu 95Q mult,p		

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$e^+ e^- \rightarrow e^- \nu_\tau \bar{\nu}_e X$

$e^+ e^- \rightarrow \bar{\Lambda} \pi^+ e^- X$

$e^+ e^-$		$e^+ e^-$		$e^+ e^-$	
$e^- \nu_\tau \bar{\nu}_e X$ (91.2)	Abreu 95T angp,const,cor	$\pi^+ \pi^- \mu^- X$ (9.4 - 10.58)	Bartelt 94 cs,mass,p,pt	$\bar{D}^0 \pi^- \mu^+ X$ (10.5)	Kroha 92B mass,p
$e^+ \bar{\nu}_\tau \nu_e X$ (91.2)	Abreu 95T angp,const,cor	$2\pi^0 \mu^+ X$ (10.6)	Alam 93 mass,p	$D^*(2010)^+ e^- \bar{\nu}_e X$ (10)	Albrecht 91K cs
μ^\pm 2charged (neutrals) (10.58)	Battle 92 col	$\pi^+ \pi^- \mu^+ X$ (9.4 - 10.58)	Bartelt 94 cs,mass,p,pt	$D^*(2010)^0 e^- \bar{\nu}_e X$ (10.58)	Albrecht 92B mass,p
μ^\pm hadron (hadrons) X (88.2 - 94.2)	Acciarri 94D angp,col,p,pt	$2\pi^- \mu^+ X$ (9.4 - 10.58)	Bartelt 94 cs,mass,p,pt	$D^*(2010)^\pm e^- e^+ X$ (58.1)	Enomoto 94 pt
μ^- hadron (hadrons) X (10) (88.2 - 94.2)	Korolko 95 cor,p Acciarri 94D angp,col,p,pt	$\rho^+ \ell^- \bar{\nu} X + \rho^- \ell^+ \nu X$ (10.58)	Gibbons 95B mass	$D^*(2010) e^- e^+ X$ (57.16)	Enomoto 93 cs,pt
μ^+ hadron (hadrons) X (10) (88.2 - 94.2)	Korolko 95 cor,p Acciarri 94D angp,col,p,pt	$K^0 e^- e^+ X$ (29)	Cords 93 angp,mass,pt	$D^*(2010)^+ e^- e^+ X$ (58)	Aso 95 cs,pt Sakuda 93 pt Buskulic 95C cs
$\mu^- e^- e^+ X$ (9.4 - 10.58)	Bartelt 94 cs,mass,p,pt	$K_S e^- e^+ X$ (58)	Enomoto 94B cs,pt	$D^*(2010)^- e^- e^+ X$ (58)	Aso 95 cs,pt Sakuda 93 pt Buskulic 95C cs
$\mu^- 2e^+ X$ (9.4 - 10.58)	Bartelt 94 cs,mass,p,pt	$K^+ \pi^+ e^- X$ (9.4 - 10.58)	Bartelt 94 cs,mass,p,pt	$D^*(2010)^+ \mu^- \bar{\nu}_\mu X$ (10)	Albrecht 91K cs
$\mu^+ 2e^- X$ (9.4 - 10.58)	Bartelt 94 cs,mass,p,pt	$K^+ \pi^- e^- X$ (9.4 - 10.58)	Bartelt 94 cs,mass,p,pt	$D^*(2010)^0 \mu^- \bar{\nu}_\mu X$ (10.58)	Albrecht 92B mass,p
$\mu^+ e^- e^+ X$ (9.4 - 10.58)	Bartelt 94 cs,mass,p,pt	$K^+ \pi^- e^+ X$ (9.4 - 10.58)	Bartelt 94 cs,mass,p,pt	$D^*(2010)^+ K^+ e^- X$ (10.58)	Albrecht 95H p
$\mu^+ \nu_\mu \gamma X$ (10.6)	Muheim 93 mass,p	$K^- \pi^+ e^+ X$ (9.4 - 10.58)	Bartelt 94 cs,mass,p,pt	$D^*(2010)^+ K^- e^- X$ (10.58)	Albrecht 95H p
$2\mu^- e^+ X$ (9.4 - 10.58)	Bartelt 94 cs,mass,p,pt	$K^- \pi^- e^+ X$ (9.4 - 10.58)	Bartelt 94 cs,mass,p,pt	$D^*(2010)^- K^+ e^+ X$ (10.58)	Albrecht 95H p
$\mu^- \mu^+ e^- X$ (9.4 - 10.58)	Bartelt 94 cs,mass,p,pt	$K_S \pi^0 e^+ X$ (10.6)	Alam 93 mass,p	$D^*(2010)^- K^- e^+ X$ (10.58)	Albrecht 95H p
$\mu^- \mu^+ e^+ X$ (9.4 - 10.58)	Bartelt 94 cs,mass,p,pt	$K^+ \pi^+ \mu^- X$ (9.4 - 10.58)	Bartelt 94 cs,mass,p,pt	$D^*(2010)^+ K^+ \mu^- X$ (10.58)	Albrecht 95H p
$2\mu^+ e^- X$ (9.4 - 10.58)	Bartelt 94 cs,mass,p,pt	$K^+ \pi^- \mu^- X$ (9.4 - 10.58)	Bartelt 94 cs,mass,p,pt	$D^*(2010)^+ K^- \mu^- X$ (10.58)	Albrecht 95H p
$2\mu^- \mu^+ X$ (9.4 - 10.58)	Bartelt 94 cs,mass,p,pt	$K^+ \pi^- \mu^+ X$ (9.4 - 10.58)	Bartelt 94 cs,mass,p,pt	$D^*(2010)^- K^+ \mu^+ X$ (10.58)	Albrecht 95H p
$\mu^- 2\mu^+ X$ (9.4 - 10.58)	Bartelt 94 cs,mass,p,pt	$K^- \pi^+ \mu^- X$ (9.4 - 10.58)	Bartelt 94 cs,mass,p,pt	$D^*(2010)^- K^- \mu^+ X$ (10.58)	Albrecht 95H p
$\mu^- \nu_\tau \bar{\nu}_\mu X + \mu^+ \bar{\nu}_\tau \nu_\mu X$ (91)	Abreu 95F cs	$K^- \pi^+ \mu^+ X$ (9.4 - 10.58)	Bartelt 94 cs,mass,p,pt	$p \pi^- e^+ X$ (10.4)	Albrecht 94F ang,mass,p Albrecht 91F mass,p Bergfeld 94 mass
$\mu^+ \bar{\nu}_\tau \nu_\mu X$ (91.2)	Abreu 95T angp,const,cor	$K_S \pi^0 \mu^+ X$ (10.6)	Alam 93 mass,p	$p \pi^- \mu^- X + p \pi^- e^- X$ (91.2)	Deangelis 93 mass
$\pi^+ \ell^- \bar{\nu} X + \pi^- \ell^+ \nu X$ (10.58)	Gibbons 95B mass	$K^+ K^- e^\pm X$ (10.58)	Cronstrom 91 mass	$p \pi^- \mu^+ X$ (10.4)	Albrecht 94F ang,mass,p Albrecht 91F mass,p Bergfeld 94 mass
$\pi^0 e^\pm$ charged-hadron (neutrals) (10.6)	Procaro 92 mass	$K^+ K^- e^+ X$ (10.6)	Avery 94B amp,mass,p Butler 94 mass	$p \pi^- \mu^+ X + p \pi^- e^+ X$ (91.2)	Deangelis 93 mass
$\pi^0 \pi^\pm \ell X$ (10.52 - 10.58)	Bean 92B mass	$K^+ K^- \mu^\pm X$ (10.58)	Cronstrom 91 mass	$\Lambda e^- e^+ X$ (58)	Enomoto 94C angp,cs,pt
$\pi^+ \pi^- \ell X$ (10.52 - 10.58)	Bean 92B mass	$K^+ K^- \mu^+ X$ (10.6)	Butler 94 mass	$\bar{\Lambda} e^- e^+ X$ (58)	Enomoto 94C angp,cs,pt
$2\pi^+ e^- X$ (9.4 - 10.58)	Bartelt 94 cs,mass,p,pt	$e^- e^+$ charm X (58)	Aso 95B cs	$\Lambda \pi^0 e^+ X$ (10)	Alexander 94 angp,mass
$\pi^+ \pi^- e^- X$ (9.4 - 10.58)	Bartelt 94 cs,mass,p,pt	$e^- e^+$ charm X (58)	Aso 95B cs	$\Lambda \pi^- e^+ X$ (10)	Alexander 94 angp,mass
$2\pi^0 e^+ X$ (10.6)	Alam 93 mass,p	$D^0 \pi^+ e^- X$ (10.5)	Kroha 92B mass,p	$\bar{\Lambda} \pi^+ e^- X$ (10)	Alexander 94 angp,mass
$\pi^+ \pi^- e^+ X$ (9.4 - 10.58)	Bartelt 94 cs,mass,p,pt	$\bar{D}^0 \pi^- e^+ X$ (10.5)	Kroha 92B mass,p		
$2\pi^- e^+ X$ (9.4 - 10.58)	Bartelt 94 cs,mass,p,pt	$D^0 \pi^+ \mu^- X$ (10.5)	Kroha 92B mass,p		
$2\pi^+ \mu^- X$ (9.4 - 10.58)	Bartelt 94 cs,mass,p,pt				

$$e^+ e^- \rightarrow \bar{\Lambda} \pi^0 e^- X$$

$$e^+ e^- \rightarrow D^0 \pi^+ \pi^- X$$

$e^+ e^-$		$e^+ e^-$		$e^+ e^-$			
$\bar{\Lambda} \pi^0 e^- X$ (10)	Alexander 94	$\pi^+ \pi^0 \pi^- X$ (9.46) (10.5) (10.6)	Albrecht 94G Kroha 93 Artuso 92	mass mass,p mass	$K^- 2\pi^+ X$ (10.58)	Alam 94C Bergfeld 94B	cs,mass angp,mass,p
$\Lambda \pi^- \mu^+ X$ (10.4)	Albrecht 92R	$\pi^+ 2\pi^- X$ (29)	Bauer 93B	angp,mass,p	$(10.58 - 10.87)$ (57.96) (88.3 - 94.3) (88.4 - 93.8)	Cinabro 93B Kinoshita 90 Nakano 93 Buskulic 93P Akers 93E	mass mass mass mass,p mass
charged neutral (neutrals) X (91.2)	Biasini 95	η 2charged (neutrals) (10.6)	Artuso 92	-	$K^- \pi^+ \pi^0 X$ (10.36 - 10.7) (10.58)	Procario 92B Alam 94C Avery 94	mass cs,mass mass
2charged (neutrals) X (10.6)	Battle 94	$\eta \pi^+ \pi^0 X$ (10.35 - 10.6) (10.36 - 10.58)	Avery 92 Daoudi 91	ang,mass mass	$K^- \pi^+ \pi^- X$ (3.77) (29)	Labs 92 Bauer 93B	mass,p angp,mass,p
2charged (charged) X (58) (91.2)	Kanda 95 Buskulic 95M	$\eta \pi^0 \pi^- X$ (10.6)	Artuso 92	mass	$\eta' \pi^+ \pi^0 X$ (10.35 - 10.6) (10.36 - 10.58)	Avery 92 Daoudi 91	ang,mass mass
2charged neutral (neutrals) (91.2)	Andreazza 95 Ferrante 95	K^+ hadron (hadrons) X (91.2)	Abreu 94O	p,pt	K^- hadron (hadrons) X (91.2)	Abreu 94O	p,pt
charged ⁺ charged ⁻ neutral (neutrals) (91.2)	Buskulic 94I	$K^\pm 2\gamma X$ (10.6)	Battle 94	mass	$K^+ \pi^-$ neutral (neutrals) (91.2)	Acciarri 95	col,mass
3charged ⁺ X (91.2)	Abreu 95I	$K^+ \pi^-$ neutral (neutrals) (91.2)	Acciarri 95	col,mass	$K^- \pi^+$ neutral (neutrals) (91.2)	Acciarri 95	col,mass
2charged ⁺ charged ⁻ X (91.2)	Abreu 95I	kaon $\pi \gamma X$ (10.58)	Alam 94B	mass,p	$K^+ \pi^- \gamma X$ (10.6)	Ali 93 Ammar 93	mass mass
charged ⁺ 2charged ⁻ X (91.2)	Abreu 95I	$K^- \pi^+ \gamma X$ (10.6)	Brown 94	mass	$K^- \pi^0 \gamma X$ (10.6)	Ali 93 Ammar 93	mass mass
3charged ⁻ X (91.2)	Abreu 95I	$K_S \pi \gamma X$ (10.58)	Alam 94B	mass,p	$K_S \pi^- \gamma X$ (10.6)	Ali 93 Ammar 93	mass mass
3jet X (58) (91.2)	Suzuki 93C Akers 94Q	$K^\pm 2\pi^0 X$ (10.6)	Battle 94	mass	$K^+ \pi^+ \pi^- X$ (3.77) (10) (10.58)	Labs 92 Albrecht 92O Cinabro 93B	mass,p mass mass
3jet < hadron (hadrons) > X (91.2)	Acciarri 95E	$K^+ 2\pi^- X$ (10)	Albrecht 94N Albrecht 92O Bergfeld 94B	mass mass angp,mass,p	$K^+ 2\pi^- X$ (10.58)	Bauer 93B	angp,mass,p
(jets) 3jet (91.2)	Abe 94ZB Burrows 93 Adriani 92C	$K^- \pi^+ \gamma X$ (10.6)	Brown 94	mass	$K^- \pi^0 \gamma X$ (10.6)	Ali 93 Ammar 93	mass mass
(γ 's) 2hadron (hadrons) (130.3 - 140.2)	Acciarri 95K	$K_S \pi^- \gamma X$ (10.6)	Ali 93 Ammar 93	mass mass	$K_S \pi \gamma X$ (10.58)	Alam 94B	mass,p
hadron ⁺ hadron ⁻ neutral (neutrals) (91.2)	Acciarri 95	$K^\pm 2\pi^0 X$ (10.6)	Battle 94	mass	$K^+ \pi^+ \pi^- X$ (3.77) (10) (10.58)	Labs 92 Albrecht 92O Cinabro 93B	mass,p mass mass
γ 2neutral (neutrals) (58)	Hosoda 94	$K^+ 2\pi^- X$ (10)	Albrecht 94N Albrecht 92O Bergfeld 94B	mass mass angp,mass,p	$K^+ 2\pi^- X$ (10.58)	Bauer 93B	angp,mass,p
γ 2jet X (58)	Suzuki 93C	$\bar{K}^0 \pi^+ \pi^0 X$ (9.46 - 10.58)	Albrecht 92G	mass	$\bar{K}^0 \pi^+ \pi^0 X$ (9.46 - 10.58)	Albrecht 92G	mass
γ 2jet < hadron (hadrons) > X (91.2)	Acciarri 95E	nonres < $\bar{K}^0 2\pi^0$ > X (10.36 - 10.7)	Procario 92B	mass	$\bar{K}^0 2\pi^0 X$ (10.36 - 10.7)	Procario 92B	mass
γ 2hadron (hadrons) (91.2)	Adriani 93G	$\bar{K}^0 \pi^+ \pi^- X$ (10.36 - 10.7)	Procario 92B	mass	$\bar{K}^0 \pi^+ \pi^- X$ (10.36 - 10.7)	Procario 92B	mass
3 γ (neutrals) (88 - 94)	Dittmar 92	$K^- 2\pi^+ X$ (9.46 - 10.58)	Albrecht 92G Albrecht 94N	mass mass	$K^- 2\pi^+ X$ (9.46 - 10.58)	Albrecht 92G Albrecht 94N	mass mass
H^0 2hadron (hadrons) (88.28 - 95.04)	Decamp 91	$K^- 2\pi^+ X$ (10.52 - 10.7)	Balest 94	mass	$D^0 \pi^+ \pi^- X$ (10.58)	Bergfeld 94B	angp,mass,p
$q \bar{q}$ (gluons) gluon (91.2)	Adriani 92C	$\bar{K}^0 \pi^+ \pi^0 X$ (9.46 - 10.58)	Albrecht 92G	mass	$\bar{K}^0 \pi^+ \pi^0 X$ (9.46 - 10.58)	Albrecht 92G	mass
$\pi^+ \pi^-$ neutral (neutrals) (91.2)	Acciarri 95	$\bar{K}^0 \pi^+ \pi^0 X$ (9.46 - 10.58)	Albrecht 92G	mass	$\bar{K}^0 \pi^+ \pi^0 X$ (9.46 - 10.58)	Albrecht 92G	mass
$3\pi^+ X + 3\pi^- X$ (9.3 - 10.5)	Herrera 91	$\bar{K}^0 \pi^+ \pi^0 X$ (9.46 - 10.58)	Albrecht 92G	mass	$\bar{K}^0 \pi^+ \pi^0 X$ (9.46 - 10.58)	Albrecht 92G	mass
$\pi^+ 2\pi^0 X$ (10.6)	Selen 93	$\bar{K}^0 \pi^+ \pi^0 X$ (9.46 - 10.58)	Albrecht 92G	mass	$\bar{K}^0 \pi^+ \pi^0 X$ (9.46 - 10.58)	Albrecht 92G	mass
$3\pi^0 X$ (10.6)	Artuso 92	$\bar{K}^0 \pi^+ \pi^0 X$ (9.46 - 10.58)	Albrecht 92G	mass	$\bar{K}^0 \pi^+ \pi^0 X$ (9.46 - 10.58)	Albrecht 92G	mass
$2\pi^+ \pi^- X$ (10.6)	Selen 93	$\bar{K}^0 \pi^+ \pi^0 X$ (9.46 - 10.58)	Albrecht 92G	mass	$\bar{K}^0 \pi^+ \pi^0 X$ (9.46 - 10.58)	Albrecht 92G	mass
$2\pi^+ \pi^- X + \pi^+ 2\pi^- X$ (9.3 - 10.5) (10.58)	Herrera 91 Albrecht 94I	$\bar{K}^0 \pi^+ \pi^0 X$ (9.46 - 10.58)	Albrecht 92G Albrecht 94N	mass mass	$\bar{K}^0 \pi^+ \pi^0 X$ (9.46 - 10.58)	Albrecht 92G Albrecht 94N	mass mass

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$e^+ e^- \rightarrow \bar{D}^0 \pi^0 \pi^- X$ $e^+ e^- \rightarrow \mu^- \mu^+ \text{charged}^+ \text{charged}^- \text{(neutrals)}$

$e^+ e^-$	$e^+ e^-$	$e^+ e^-$
$\bar{D}^0 \pi^0 \pi^- X$ (10.58) Bergfeld 94B angp,mass,p	$p K_S \eta X$ (10.56) Ammar 95 mass,p	$e^\pm 2\text{hadron (hadrons)} X$ (52 - 61.4) Nagai 91 angp,col,mult,p
$D^0 K^+ \gamma X$ (10.4) Albrecht 92N mass	$\bar{p} K_S \eta X$ (10.56) Ammar 95 mass,p	$e^- 2\text{hadron}^+ \text{hadron}^- X$ (9.4 - 10.6) Albrecht 95B ang,angp,cor
$D^0 K^+ \pi^0 X$ (10.4) Albrecht 92N mass	$p K^+ K^- X$ (10.52 - 10.58) Alexander 95 cs,mass	$e^+ \text{hadron}^+ 2\text{hadron}^- X$ (9.4 - 10.6) Albrecht 95B ang,angp,cor
$D^*(2010)^+ 2\pi^- X$ (10.58) Alam 94C cs,mass	$\Lambda \pi^+ \pi^0 X$ (10.3 - 10.58) Procaro 91 mass	$e^- e^+ 2\text{neutral (neutrals)}$ (10.6) Heltsley 92 -
$D_s^- K^+ \pi^+ X$ (10.6) Albrecht 93B mass	$\Lambda \pi^+ \pi^- X$ (10) Alexander 94 angp,mass	$e^- e^+ 2\text{charged (neutrals)}$ (88 - 94) Dittmar 92 cs
$D_s^- K_S \pi^+ X$ (10.6) Albrecht 93B mass	$\bar{\Lambda} \pi^+ \pi^- X$ (10) Alexander 94 angp,mass	$e^- e^+ \text{charged}^+ \text{charged}^- \text{(neutrals)}$ (88.2 - 94.2) Acton 92E ang,mass
$D_s^- K^*(892)^+ \pi^+ X$ (10.6) Albrecht 93B mass	$\bar{\Lambda} \pi^+ \pi^- X$ (10) Alexander 94 angp,mass	$e^- e^+ 2\text{jet } X$ (58) Shirai 94 ang,p
$D_s^- K^*(892)^0 \pi^+ X$ (10.6) Albrecht 93B mass	$\Lambda \eta \pi^+ X$ (10.56) Ammar 95 mass,p	$e^- e^+ \text{(hadrons)} 2\text{jet}$ (88.3 - 94.3) Abreu 94D cs,p
$J/\psi(1S) \pi^+ \pi^- X$ (88.2 - 94.2) Abreu 94M mass	$\bar{\Lambda} \eta \pi^- X$ (10.56) Ammar 95 mass,p	$2e^- \text{hadron (hadrons)} X$ (88.2 - 94.2) Acciarri 94D angp,col,p,pt
$K^\pm J/\psi(1S) \gamma X$ (10.58) Albrecht 91D mass	$\Lambda K^+ \pi^0 X$ (10.35 - 10.6) Avery 93 mass	$e^- e^+ \text{hadron (hadrons)} X$ (58) Aso 95 angp,mass,p,pt
$K^+ J/\psi(1S) \pi^0 X$ (10.6) Albrecht 94P ang,angp,mass	$\Lambda K^+ K^- X$ (10.58 - 10.87) Henderson 91B mass	$2e^+ \text{hadron (hadrons)} X$ (88.2 - 94.2) Acciarri 94D angp,col,p,pt
$K^+ J/\psi(1S) \pi^- X$ (10.6) Albrecht 94P ang,angp,mass	$\Lambda K^+ K_S X$ (10.56) Ammar 95 mass,p	$e^- e^+ \text{hadron (hadrons)} \text{jet}$ (88.3 - 94.3) Abreu 94D cs,p
$K^0 J/\psi(1S) \pi^+ X$ (10.6) Albrecht 94P ang,angp,mass	$\bar{\Lambda} K_S K^- X$ (10.56) Ammar 95 mass,p	$e^- e^+ 2\text{hadron (hadrons)}$ (17.5) Behrend 91 -
$\bar{K}^0 J/\psi(1S) \pi^- X$ (10.6) Albrecht 94P ang,angp,mass	$\Lambda \bar{\Lambda} \pi X$ (91.2) Acton 92T cor,p	$e^- e^+ 2\text{hadron (hadrons)}$ (58) Itoh 95 p
$K^- J/\psi(1S) \pi^+ X$ (10.6) Albrecht 94P ang,angp,mass	$\Sigma^+ \pi^+ \pi^- X$ (10.6) Kubota 93 mass	$e^- e^+ 2\text{hadron (hadrons)}$ (60) Kim 93B col,p,pt
$K^- J/\psi(1S) \pi^0 X$ (10.6) Albrecht 94P ang,angp,mass	$\Sigma^+ K^+ K^- X$ (10.35 - 10.6) Avery 93 mass	$e^- e^+ 2\gamma (\gamma\text{'s})$ (10) Bienlein 91 p
$p 2\pi^0 X$ (10.52 - 10.58) Bishai 95 ang,angp,mass,p	$\Sigma^+ K^*(892) \pi^- X$ (10.5 - 10.7) Avery 95 mass	$\mu^\pm 2\text{hadron (hadrons)} X$ (52 - 61.4) Shimonaka 91 col
$p \pi^+ \pi^- X$ (10.5) Crawford 93 mass	$\Xi^0 \pi^+ \pi^0 X$ (10.6) Edwards 95B mass	$\mu^- 2\text{hadron}^+ \text{hadron}^- X$ (9.4 - 10.6) Albrecht 95B ang,angp,cor
$p 2\pi^- X$ (10.5 - 10.58) Crawford 91B mass,p	$\Xi^- 2\pi^+ X$ (10) Alexander 94 angp,mass	$\mu^+ \text{hadron}^+ 2\text{hadron}^- X$ (9.4 - 10.6) Albrecht 95B ang,angp,cor
$\bar{p} 2\pi^0 X$ (10.52 - 10.58) Bishai 95 ang,angp,mass,p	$\Xi^- K^+ \pi^+ X$ (10.35 - 10.6) Avery 93 mass	$\mu^- e^- \text{hadron (hadrons)} X$ (88.2 - 94.2) Acciarri 94D angp,col,p,pt
$\bar{p} \pi^+ \pi^- X$ (10.52 - 10.58) Bishai 95 ang,angp,mass,p	$\Xi^- K^- \pi^- X$ (10.4) Albrecht 94S cs,mass,p	$\mu^- e^+ \text{hadron (hadrons)} X$ (88.2 - 94.2) Acciarri 94D angp,col,p,pt
$p K^- \pi^+ X$ (10.35 - 10.6) Avery 93 mass	$\bar{\Lambda} \Xi^- \pi^+ X$ (91.2) Acton 92T cor,p	$\mu^+ e^- \text{hadron (hadrons)} X$ (88.2 - 94.2) Acciarri 94D angp,col,p,pt
$p K^- \pi^0 X$ (10.5) Crawford 93 mass	$\Lambda \Xi^+ \pi^- X$ (91.2) Acton 92T cor,p	$\mu^+ e^+ \text{hadron (hadrons)} X$ (88.2 - 94.2) Acciarri 94D angp,col,p,pt
$p K^- \pi^- X$ (10.52 - 10.58) Alexander 95 cs,mass	$\text{nonres} < \Lambda_c^+ \pi^+ \pi^- > X$ (10.58) Albrecht 93F mass	$\mu^+ \mu^+ 2\text{charged (neutrals)}$ (88 - 94) Dittmar 92 cs
$p K^- \pi^+ X$ (10.55) Avery 90B mass	$\Lambda_c^+ \pi^+ \pi^- X$ (10.4) Litvintsev 94 mass	$\mu^- \mu^+ \text{charged}^+ \text{charged}^- \text{(neutrals)}$ (88.2 - 94.2) Acton 92E ang,mass
$p K^- \pi^0 X$ (10.56) Ammar 95 mass,p	$\Lambda_c^+ \pi^+ \pi^- X$ (10.52 - 10.58) Fujino 95 cor,mass,p	
$p K^- \pi^- X$ (91.2) Deangelis 93 mass	$\Lambda_c^+ \pi^+ \pi^- X$ (10.58) Edwards 94 cor,mass,p	
	$\bar{\Lambda}_c^- \pi^+ \pi^- X$ (10.52 - 10.58) Fujino 95 cor,mass,p	
	$\bar{\Lambda}_c^- \pi^+ \pi^- X$ (10.52 - 10.58) Edwards 94 cor,mass,p	
	$e^\pm 3\text{charged } X$ (10.58) Battle 92 col	

$e^+ e^- \rightarrow 2\mu^- \text{ hadron (hadrons) X}$ $e^+ e^- \rightarrow \bar{\Lambda} \pi^+ 2\pi^- X$

$e^+ e^-$	$e^+ e^-$	$e^+ e^-$
$2\mu^- \text{ hadron (hadrons) X}$ (88.2 - 94.2) Acciarri 94D angp,col,p,pt	charged (jets) 3jet (91.2) Abreu 95C mult	$K^- \eta 2\pi^+ X$ (10.58 - 10.87) Kinoshita 90 mass
$\mu^- \mu^+ \text{ hadron (hadrons) X}$ (88.2 - 94.2) Acciarri 94D angp,col,p,pt	(jets) 3jet jet < γ X > (88.25 - 94.25) Buskulic 95D cs,p	$K^- \omega 2\pi^+ X$ (9.46 - 10.58) Albrecht 92G mass
$2\mu^+ \text{ hadron (hadrons) X}$ (88.2 - 94.2) Acciarri 94D angp,col,p,pt	mult[γ] hadron⁺ hadron⁻ 2neutral (9.4 - 10.6) Antreasyan 91B mass	$K^+ K^- 2\gamma X$ (9.4 - 10.6) Albrecht 94J cs,mass
$\mu^- \mu^+ 2\text{hadron (hadrons)}$ (91.2) Buskulic 93K mass,p	γ 2charged (charged) (neutrals) (91.2) Abreu 91G ang	$K^+ K^- \pi^+ \gamma X$ (10.4) Albrecht 92N mass (10.6) Gronberg 95 mass Muheim 93 mass,p
$\tau^- \tau^+ 2\text{charged (neutrals)}$ (88 - 94) Dittmar 92 cs	2γ (γ's) hadron⁺ hadron⁻ (91.2) Acciarri 95 col,mass	$K^+ K^- \pi^- \gamma X$ (10.6) Gronberg 95 mass
$\tau^- \tau^+ \text{ charged}^+ \text{ charged}^- \text{ (neutrals)}$ (88.2 - 94.2) Acton 92E ang,mass	4γ X (10.6) Bortoletto 93 mass	$K^+ \bar{K}^0 \pi^+ \pi^- X$ (10.3 - 10.58) Albrecht 91P mass
$2\pi^0 e^\pm \text{ charged-hadron (neutrals)}$ (10.6) Procaro 92 mass	π^0 2charged⁺ charged⁻ X (10.6) Urheim 94 mass,p	$K^+ K^- \pi^+ \pi^0 X$ (10.35 - 10.58) Kubota 94 mass (10.4) Albrecht 92N mass (10.6) Gronberg 95 mass
$\pi^+ \pi^- e^- e^+ X$ (58) Enomoto 94B mass,pt	π^0 charged⁺ 2charged⁻ X (10.6) Urheim 94 mass,p	$K^+ K^- \pi^+ \pi^- X$ (9.4 - 10.6) Albrecht 94J cs,mass
$\pi^+ \pi^0 \pi^- \ell X$ (10.52 - 10.58) Bean 92B mass	π^0 (jets) 3jet (91.2) Acciarri 95M mult,p	$K^+ K^- \pi^0 \pi^- X$ (10.6) Gronberg 95 mass
$K^+ 2\pi^- e^+ X$ (10.5) Kroha 92B mass,p	2π^+ 2π^- X (10.2) Albrecht 90M -	$K_S^- K^- 2\pi^+ X$ (10.3 - 10.58) Albrecht 91P mass
$K^- 2\pi^+ e^- X$ (10.5) Kroha 92B mass,p	η (jets) 3jet (91.2) Acciarri 95M mult,p	$2K_S \pi^+ \pi^- X$ (9.4 - 10.6) Albrecht 94J cs,mass (10.4) Litvintsev 94 mass
$K^+ 2\pi^- \mu^+ X$ (10.5) Kroha 92B mass,p	K^0 (jets) 3jet (91.2) Abreu 95C mult	$D^*(2010)^0 \pi^+ 2\pi^- X$ (10.58) Alam 94C cs,mass
$K^- 2\pi^+ \mu^- X$ (10.5) Kroha 92B mass,p	K^+ π^0 hadron (hadrons) X (91.2) Abreu 94O mass,p,pt	$p 2\pi^+ \pi^0 X$ (10.6) Kubota 93 mass
$K^+ K^- \pi^+ \ell^- X$ (91.2) Acton 93L mass	$K^- \pi^0$ hadron (hadrons) X (91.2) Abreu 94O mass,p,pt	$p \pi^+ 2\pi^- X$ (10) Alexander 94 angp,mass
$K^+ K^- \pi^- \ell^+ X$ (91.2) Acton 93L mass	kaon $2\pi \gamma$ X (10.58) Alam 94B mass,p	$\bar{p} 2\pi^+ \pi^- X$ (10) Alexander 94 angp,mass
$D^0 e^- \bar{\nu}_e \gamma X$ (10.58) Albrecht 92B mass,p	kaon $\pi^0 \pi \gamma$ X (10.58) Alam 94B mass,p	$p K^+ \pi^0 \pi^- X$ (10.35 - 10.6) Avery 93 mass
$D^0 \mu^- \bar{\nu}_\mu \gamma X$ (10.58) Albrecht 92B mass,p	$K_S 2\pi \gamma X$ (10.58) Alam 94B mass,p	$p \bar{K}^0 \pi^+ \pi^- X$ (10.55) Avery 90B mass
$2D^*(2010)^+ 2\ell^- X$ (91.2) Sefkow 93 asym	$K_S \pi^0 \pi \gamma X$ (10.58) Alam 94B mass,p	$p K_S \pi^+ \pi^- X$ (10.4) Litvintsev 94 mass,p (10.58) Albrecht 93F mass
$D^*(2010)^+ D^*(2010)^- \ell^+ \ell^- X$ (91.2) Sefkow 93 asym	$K^+ \pi^+ 2\pi^- X$ (10) Albrecht 94N mass (10.4) Albrecht 94L angp,mass,p (88.3 - 94.3) Buskulic 93P mass,p	$p K^+ K^- \pi^0 X$ (10.35 - 10.6) Avery 93 mass
$2D^*(2010)^- 2\ell^+ X$ (91.2) Sefkow 93 asym	$K^+ \pi^0 2\pi^- X$ (10.58) Bergfeld 94B angp,mass,p	$p K^+ K^- \pi^- X$ (10.4) Albrecht 94S cs,mass,p (10.58 - 10.87) Henderson 91B mass
$p \pi^0 \pi^- e^+ X$ (10) Alexander 94 angp,mass	$K^0 2\pi^+ \pi^- X$ (10.58 - 10.87) Kinoshita 90 mass	$\bar{p} K^+ K^- \pi^+ X$ (10.4) Albrecht 94S cs,mass,p
$p 2\pi^- e^+ X$ (10) Alexander 94 angp,mass	$\bar{K}^0 2\pi^+ \pi^- X$ (9.46 - 10.58) Albrecht 92G mass	$2p 2\pi^- X$ (91.2) Acton 92T mass,p
$\bar{p} 2\pi^+ e^- X$ (10) Alexander 94 angp,mass	$K^- 2\pi^+ \pi^0 X$ (9.46 - 10.58) Albrecht 92G mass (10.58) Bergfeld 94B angp,mass,p	$p \bar{p} \pi^+ \pi^- X$ (91.2) Acton 92T mass,p
$\bar{p} \pi^+ \pi^0 e^- X$ (10) Alexander 94 angp,mass	(10.58 - 10.87) Kinoshita 90 mass (57.96) Nakano 93 mass,p (88.3 - 94.3) Buskulic 93P mass,p (88.4 - 93.8) Akers 93E mass	$2\bar{p} 2\pi^+ X$ (91.2) Acton 92T mass,p
$p \bar{p} e^- e^+ X$ (58) Uehara 95 ang,cs,p,pt	$K^- 2\pi^+ \pi^- X$ (10) Albrecht 94N mass (10.36 - 10.7) Procaro 92B mass (10.4) Albrecht 94L angp,mass,p	Λ (jets) 3jet (91.2) Abreu 95C mult
$p \bar{\Lambda} e^- e^+ X$ (58) Uehara 95 ang,cs,p,pt	$K^+ \pi^+ 2\pi^- X$ (88.3 - 94.3) Buskulic 93P mass,p	$\Lambda 2\pi^+ \pi^- X$ (10) Alexander 94 angp,mass (10.4) Litvintsev 94 mass,p (10.55) Avery 90B mass (10.58) Albrecht 93F mass
$\Lambda \bar{\Lambda} e^- e^+ X$ (58) Uehara 95 ang,cs,p,pt	$K_S 2\pi^+ \pi^0 X$ (10.58 - 10.87) Kinoshita 90 mass	$\bar{\Lambda} \pi^+ 2\pi^- X$ (10) Alexander 94 angp,mass
3charged neutral X (9.38 - 10.61) Albrecht 94O cs,p		
4charged (neutrals) (9.4 - 10.6) Albrecht 91M cs		

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$e^+ e^- \rightarrow \Lambda K^+ \pi^+ \pi^- X$ $e^+ e^- \rightarrow 7\text{charged } X$

$e^+ e^-$	$e^+ e^-$	$e^+ e^-$
$\Lambda K^+ \pi^+ \pi^- X$ (10.35 - 10.6) Avery 93 mass (10.4) Albrecht 94S cs, mass, p	5charged-hadron (hadrons) Abreu 91P Halley 91 asym, col, const	$e^- e^+ 4\text{charged (charged)}$ (58) Iwasaki 94 angp, p
$\bar{\Lambda} K^- \pi^+ \pi^- X$ (10.4) Albrecht 94S cs, mass, p	$2\gamma 2\text{hadron (hadrons)}$ (9.4 - 10.6) Karch 91C col	$e^- e^+ 4\text{hadron (hadrons)}$ (55 - 61.4) Finch 93 col Tanaka 91 col
$\Xi^- (\text{jets}) 3\text{jet}$ (91.2) Abreu 95C mult	$\pi^0 4\text{charged-hadron (neutrals)}$ (10.6) Procario 92 mass	$e^- e^+ 4\text{charged-hadron (hadrons)}$ (55 - 61.4) Kim 93 col Tanaka 92 col, p
$\Xi^0 2\pi^+ \pi^- X$ (10.6) Edwards 95B mass	$\pi^+ 2\pi^0 2\pi^- X$ (10.6) Bortoletto 93 mass	$\pi^+ 2\pi^0 (\pi^0\text{'s}) \mu^- \bar{\nu}_\tau \gamma$ (10) Bean 92 ang, mass, qnc
$\Xi^0 \pi^+ \pi^0 \pi^- X$ (10.5 - 10.7) Avery 95 mass	$\eta 4\text{charged (neutrals)}$ (10.6) Artuso 92 -	$4\pi^0 e^\pm \text{charged-hadron (neutrals)}$ (10.6) Procario 92 mass
$\Xi^- 2\pi^+ \pi^- X$ (10.5 - 10.7) Avery 95 mass	$kaon 3\pi \gamma X$ (10.58) Alam 94B mass, p	$K_S \pi^+ \pi^- e^- \bar{\nu}_e \gamma X$ (10.58) Albrecht 92B mass, p
$\Xi^0 \pi^+ 2\pi^- X$ (10.6) Edwards 95B mass	$kaon \pi^0 2\pi \gamma X$ (10.58) Alam 94B mass, p	$K_S \pi^+ \pi^- \mu^- \bar{\nu}_\mu \gamma X$ (10.58) Albrecht 92B mass, p
$\Xi^- K^- 2\pi^+ X$ (10.58) Albrecht 92J mass	$K_S 3\pi \gamma X$ (10.58) Alam 94B mass, p	5charged (charged)s X (58) Kanda 95 p, pt (91.2) Baird 95 angp, col, const, cor, p, pt Abe 94W angp, col, const, cor, p, pt
$e^\pm 3\text{charged neutral (neutrals)}$ (10.5 - 10.9) Ammar 91 ang, mass, p	$K_S \pi^0 2\pi \gamma X$ (10.58) Alam 94B mass, p	5charged (charged)s (neutrals) (91.2) Abreu 93D col, const, cor, mass
$e^- e^+ 3\text{hadron (hadrons)}$ (7.7 - 9.7) Baru 92 col, p	$K^+ 2\pi^0 2\pi^- X$ (10.58) Bergfeld 94B angp, mass, p	$6\gamma X$ (9.4 - 10.6) Karch 91C mass
$e^- e^+ 3\text{charged-hadron (hadrons)}$ (55 - 61.4) Tanaka 92 col, p	$K^+ 3\pi^- \pi X$ (10.35 - 10.6) Avery 93 mass	$2\pi^0 4\text{charged-hadron (neutrals)}$ (10.6) Procario 92 mass
$\pi^0 e^- 2\text{hadron}^+ \text{hadron}^- X$ (9.4 - 10.6) Albrecht 95B ang, angp, cor	$\bar{K}^0 2\pi^+ \pi^0 \pi^- X$ (9.46 - 10.58) Albrecht 92G mass	$2\pi^+ 2\pi^- (\gamma\text{'s}) 2\text{neutral}$ (9.4 - 10.6) Albrecht 92M mass
$\pi^0 e^+ \text{hadron}^+ 2\text{hadron}^- X$ (9.4 - 10.6) Albrecht 95B ang, angp, cor	$K^- 2\pi^+ 2\pi^0 X$ (10.58) Bergfeld 94B angp, mass, p	$3\pi^+ \pi^0 2\pi^- X$ (10.6) Urheim 94 mass, p
$\pi^0 \mu^- 2\text{hadron}^+ \text{hadron}^- X$ (9.4 - 10.6) Albrecht 95B ang, angp, cor	$K^- 3\pi^+ \pi^- X$ (10.58 - 10.87) Kinoshita 90 mass (88.4 - 93.8) Akers 93E mass	$2\pi^+ \pi^0 3\pi^- X$ (10.6) Urheim 94 mass, p
$\pi^0 \mu^+ \text{hadron}^+ 2\text{hadron}^- X$ (9.4 - 10.6) Albrecht 95B ang, angp, cor	$K_S 2\pi^+ \pi^0 \pi^- X$ (10.58 - 10.87) Kinoshita 90 mass	$K^+ \pi^+ 2\pi^- (\gamma\text{'s}) 2\text{neutral}$ (9.4 - 10.6) Albrecht 92M mass
$\pi^+ 2\pi^- e^+ \text{neutral (neutrals)}$ (9.4 - 10.6) Albrecht 92F mass, p	$K^+ K_S \pi^+ \pi^- \gamma X$ (10.4) Albrecht 92N mass	$kaon 4\pi \gamma X$ (10.58) Alam 94B mass, p
$3\pi^0 e^\pm \text{charged-hadron (neutrals)}$ (10.6) Procario 92 mass	$K^+ K^- 2\pi^+ \pi^- X$ (10.4) Litvintsev 94 mass	$kaon \pi^0 3\pi \gamma X$ (10.58) Alam 94B mass, p
$\pi^+ 2\pi^- \mu^+ \text{neutral (neutrals)}$ (9.4 - 10.6) Albrecht 92F mass, p	$K^+ K^- \pi^+ \pi^0 \pi^- X$ (9.4 - 10.6) Albrecht 94J cs, mass	$K_S 4\pi \gamma X$ (10.58) Alam 94B mass, p
$K^- \pi^+ e^- \bar{\nu}_e \gamma X$ (10.58) Albrecht 92B mass, p	$K^+ K_S \pi^+ \pi^0 \pi^- X$ (10.4) Albrecht 92N mass	$K_S \pi^0 3\pi \gamma X$ (10.58) Alam 94B mass, p
$K^- \pi^+ \mu^- \bar{\nu}_\mu \gamma X$ (10.58) Albrecht 92B mass, p	$2K^+ K_S K^- \gamma X$ (10.4) Albrecht 92N mass	$\bar{K}^0 3\pi^+ 2\pi^- X$ (9.46 - 10.58) Albrecht 92G mass
$K^- 2\pi^+ \ell^- \bar{\nu} X$ (10.58) Barish 94 mass	$2K^+ K_S K^- \pi^0 X$ (10.4) Albrecht 92N mass	$K^- 3\pi^+ \pi^0 \pi^- X$ (9.46 - 10.58) Albrecht 92G mass (10.58 - 10.87) Kinoshita 90 mass
$K^- \pi^+ \pi^0 \ell^- \bar{\nu} X$ (10.58) Barish 94 mass	$p \pi^+ 2\pi^0 \pi^- X$ (10.6) Kubota 93 mass	$\Lambda 3\pi^+ 2\pi^- X$ (10.4) Litvintsev 94 mass, p (10.58) Albrecht 93F mass
3charged neutral (neutrals) X (91.2) Charlesworth 95 cor, p	$p 2\pi^+ 2\pi^- X$ (10) Alexander 94 angp, mass (10.5) Crawford 93 mass	$\pi^0 (\pi^0\text{'s}) 2\nu 4\text{charged-hadron}$ (10.6) Heltsley 92 mass
4charged (neutrals) X (9.4 - 10.58) Bartelt 94 angp, p, pt (10.6) Battle 94 mass	$\bar{p} 2\pi^+ 2\pi^- X$ (10) Alexander 94 angp, mass	$\pi^+ \pi^- e^- e^+ 3\gamma X$ (29) Bauer 93 angp
4charged neutral (neutrals) (10.5 - 10.9) Ammar 91 ang, mass, p	$p K^+ \pi^+ 2\pi^- X$ (10.4) Albrecht 94S cs, mass, p	$2\pi^+ \pi^0 \pi^- (\pi^0\text{'s}) \mu^- \bar{\nu}_\tau \gamma$ (10) Bean 92 ang, mass, qnc
5charged X (88.2 - 94.2) Akers 94D col (90.95 - 91.45) Akers 94E col	$p K^- 2\pi^+ \pi^- X$ (10.4) Litvintsev 94 mass, p (10.58) Albrecht 93F mass	$2\pi^+ 3\pi^- \tau^+ \nu_\tau (\text{neutrals})$ (10.6) Gibaut 94 cs, mass
(jets) 5jet (91.2) Lauber 93 const, cs	$\bar{p} K^- 2\pi^+ \pi^- X$ (10.4) Albrecht 94S cs, mass, p	$K^- 2\pi^+ \pi^- e^- \bar{\nu}_e \gamma X$ (10.58) Albrecht 92B mass, p
5hadron (hadrons) (91.25) Buskulic 92C col, mass	$e^- e^+ 3\text{charged (charged)s X}$ (58) Enomoto 94B angp, pt	$K^- 2\pi^+ \pi^- \mu^- \bar{\nu}_\mu \gamma X$ (10.58) Albrecht 92B mass, p
5charged-hadron (hadrons) (91.2) Acton 92H col, const, cor		7charged X (91.2) Abreu 91Q col

$e^+ e^- \rightarrow 3\pi^0$ 4charged-hadron (neutrals) $e^+ e^- \rightarrow Z^0$

$e^+ e^-$	$e^+ e^-$	$e^+ e^-$
$3\pi^0$ 4charged-hadron (neutrals)	Z^0	Z^0
(10.6) Procario 92 mass	Abreu 94O -	Decamp 92 -
$2\pi^0$ (π^0 's) 2ν 4charged-hadron	Abreu 94P -	Decamp 92C -
(10.6) Heltsley 92 mass	Abreu 94R cs	Feindt 92B -
$4\pi^0$ 4charged-hadron (neutrals)	Acciarri 94C -	Felcini 92 -
(10.6) Procario 92 mass	Akers 94H -	Fujino 92 -
$3\pi^0$ (π^0 's) 2ν 4charged-hadron	Akers 94S -	Gross 92 -
(10.6) Heltsley 92 mass	Alemanly 94 -	Gross 92B -
$4\pi^0$ (π^0 's) 2ν 4charged-hadron	Baird 94 -	Lafferty 92 -
(10.6) Heltsley 92 mass	Bonivento 94 -	Lauber 92 -
unspec	Brient 94 -	Schumm 92 -
0.0021 - 0.0024	Buskulic 94J -	Shevchenko 92 -
(< 0.002) Tsertos 91 cs	Carr 94 -	Sopczak 92 -
(< 0.004636) Skalsey 92 cs	Colas 94 -	Sopczak 92B -
< 0.004636) Trzaska 91B mass,p	Dejongh 94 -	Sopczak 92C -
neutral	Demin 94 -	Trischuk 92 -
(57.5 - 59.5) Suzuki 93C cs	Golutvin 94 -	Abreu 91D -
vmeson	Gomezycadena 94 -	Abreu 91I -
(88.23 - 94.22) Adriani 93D pol	Janot 94 -	Abreu 91J -
narrow	Jones 94B -	Abreu 91K -
(88.23 - 95.04) Adriani 93C cs	Kramer 94 -	Abreu 91L -
$Z^0 < \text{hadron (hadrons) X} >$	Manly 94 -	Abreu 91N -
(91.2) Fero 94 asym,const	Maur 94 -	Abreu 91O -
$Z^0 < \tau^- \tau^+ >$	Posthaus 94 -	Abreu 91P -
(91.2) Fero 94 asym,const	Richard 94 cs	Acton 91B -
Z^0	Shevchenko 94 -	Acton 91D -
(88 - 93) Dydak 91 -	Strohmer 94 -	Acton 91F -
(88 - 94) Dittmar 92 cs	Wermes 94 -	Acton 91I -
(88.2 - 94.2) Forty 93 -	Wormser 94 -	Acton 91J -
Schreiber 92 -	Acton 93F -	Adeva 91C -
Adeva 91D -	Acton 93I -	Adeva 91G -
Adeva 91E -	Acton 93K -	Adeva 91I -
Decamp 91S -	Adriani 93H -	Adeva 91J -
Privitera 91 -	Adriani 93I -	Akrawy 91B -
Zomer 91 -	Adriani 93L -	Akrawy 91C -
Zomer 91B -	Biebel 93 -	Bertin 91 -
(88.2 - 94.22) Kramer 94 -	Biebel 93B -	Bhattacharyy 91 -
Abreu 91M -	Blondel 93B mass	Bortolotto 91 -
(88.22 - 94.22) Abreu 91 -	Burrows 93 -	Campion 91 -
Abreu 91H -	Cattaneo 93 -	Capon 91 -
Acton 91C -	Elia 93 asym,const	Colas 91 -
Akrawy 90U -	Fernandez 93 -	Deangelis 91B -
(88.25 - 95) Sawyer 91 -	Forty 93 -	Decamp 91C -
(88.28 - 94.28) Crosland 91 -	Gaidot 93 -	Decamp 91F -
(88.28 - 95.04) Akers 95K -	Giacomelli 93 -	Decamp 91I -
Decamp 91 -	Lopezfernand 93 -	Decamp 91J -
(88.3 - 94.3) Bryman 92 -	Pater 93 -	Decamp 91M -
(91) Abreu 95E cs	Pierre 93 -	Decamp 91Q -
Bambade 92 -	Schwarz 93 -	Decamp 91R -
(91 - 91.5) Kramer 94 -	Seywerd 93 -	Dydak 91 -
(91.2) Buskulic 96 -	Tenchini 93 cs	Ellis 91 -
Abe 95ZG -	Abreu 92 -	Giacomelli 91 -
Abe 95ZN -	Abreu 92D -	Goobar 91 -
Abe 95ZQ -	Abreu 92H -	Jacobsen 91 -
Abreu 95B -	Abreu 92I -	Jacobsen 91B -
Abreu 95H -	Abreu 92K -	Keranen 91 -
Abreu 95O -	Abreu 92L -	Koetke 91 -
Acciarri 95P -	Acton 92 -	Mattig 91 -
Akers 95F -	Acton 92C -	Patton 91 -
Akers 95G -	Acton 92D -	Pieri 91 -
Akers 95L -	Acton 92I -	Roehn 91 -
Akers 95M -	Acton 92J -	Simon 91 -
Akers 95O -	Acton 92L -	Stahl 91 -
Akers 95T -	Acton 92M -	Turner 91 -
Akers 95V -	Acton 92N -	Wachsmuth 91 -
Alexander 95B -	Adeva 92 -	Abreu 90S -
Alexander 95C -	Adeva 92B -	Adeva 90V -
Alexander 95D -	Adriani 92D -	Akrawy 90N -
Alexander 95E -	Adriani 92I -	Akrawy 90R -
Alexander 95I -	Adriani 92J -	Akrawy 90V -
Baird 95 -	Adriani 92L -	Decamp 90M -
Musolino 95 -	Barklow 92 -	Adriani 92B
Abe 94U -	Bencheikh 92 -	(91.22) Acton 92B
Abe 94V -	Benedic 92 -	(91.3) Eerola 92
Abe 94W -	Borzumati 92 -	Riles 92 -
Abreu 94 -	Boucrot 92 -	Rollnik 92 -
Abreu 94I -	Brandl 92 -	Settles 92 -
Abreu 94J -	Buskulic 92 -	Seywerd 92 -
	Buskulic 92E -	Acton 91H -
	Buskulic 92G -	Alexander 91I -
	Buskulic 92H -	Decamp 91D -
	Buskulic 92J -	Geerts 91 -
	Campana 92 cs	(91.55) Swartz 93
	Cosmo 92 -	asym,const,cs

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$e^+ e^- \rightarrow Z^0$ $e^+ e^- \rightarrow e^- e^+$

$e^+ e^-$	$e^+ e^-$	$e^+ e^-$
Z^0	$\Upsilon(3S)$	$e^+ e^-$
Rowson 92	Morrison 91B	(88.3 - 94.3) Rolandi 92 const,cs
asym,const,cs	Narain 91	(88.3 - 95) Pietrzyk 91 cs
$Z' + Z^0$	$\Upsilon(4S)$	(91.2) Akers 95E col,cs
(88.23 - 94.22) Adriani 93D const,cs	(10.35 - 10.6) Avery 92	Blondel 93B
meson ⁰	(10.36) Yanagisawa 91	(91.27 - 91.28) Buskulic 94E asym,const
0.0024 - 0.003 Hallin 92 cs	(10.58) Albrecht 95H cs	(91.28) Abreu 94G asym,const,cs
(1.35 - 2.4) Bisello 91C cs	Artuso 95	
(54 - 64) Abe 93 cs	Artuso 95B	
(57.4 - 59.8) Abe 93B cs	Asner 95	
(88.23 - 94.22) Adriani 93D pol	Barish 95	$e^- e^+$
$\rho(1450)^0$	Bishai 95B	(0.0015 - 0.00186)
(1.35 - 2.4) Castro 94 cs	Duboscq 95	Henderson 92 cs
(1.45) Donnachie 91 -	Gibaut 95	(0.00156 - 0.00186)
$\omega(1420)$	Alam 94B	Wu 92 cs
(1.35 - 2.4) Castro 94 cs	Albrecht 94O	0.0021 - 0.0024
(1.39) Donnachie 91 -	Albrecht 94P	Tsertos 91 cs
$\omega(1600)$	Albrecht 94U	0.0024 - 0.003 Hallin 92 cs,mass
(1.35 - 2.4) Castro 94 cs	Alexander 94B	(0.00178 - 0.00192)
$\rho(1700)^0$	Athanas 94	Widmann 91 cs,p
(1.35 - 2.4) Castro 94 cs	Balest 94C	0.0026 - 0.0029
$\phi(1020)$	Barish 94	(3.08 - 3.11) Gobel 92 angp
(1.02) Akhmetshin 95 cs	Dejongh 94	(3.08 - 3.12) Bai 95B cs
Akhmetshin 95B cs	Ehrlich 94	Jin 91 cs
$\phi(1680)$	Albrecht 93B	(10.6) Akerib 92 cs
(1.35 - 2.4) Castro 94 cs	Albrecht 93D	Heltsley 92 angp
(1.68) Bisello 91 cs	Alexander 93B	(14 - 43.6) Kroha 92 angp,const
Bisello 91B cs	Avery 93B	(29) Kroha 92 angp,const
$J/\psi(1S)$	Bartelt 93B	(34.6 - 43.7) Kroha 92 angp,const
(3.1) Bertolotto 94 -	Battle 93	(34.7) Kroha 92 angp,const
Fan 94 -	Besson 93B	(35) Kroha 92 angp,const
Fan 94B -	Browder 93	Behrend 90 angp
Antonelli 93 cs	Forty 93	Behrend 89I
Bolton 92 -	Nau 93 cs	(54 - 64) Abe 93 angp,const
Bolton 91 -	Stone 93	(57.4 - 59.8) Abe 93B cs
Chen 91 -	Albrecht 92B	(57.5 - 59.5) Suzuki 93C cs
Dunwoodie 91 -	Albrecht 92D	(58) Tsuboyama 92
Jin 91 -	Albrecht 92E	(88 - 93) Dydak 91 angp,const
Augustin 90B -	Albrecht 92K	(88 - 94.5) Decamp 91O angp
Bisello 90B -	Albrecht 92P	Meinhard 91 angp,const
$\psi(2S)$	Albrecht 92Q	(88.2 - 94.2) Abreu 94E
(3.69) Coffman 92 -	Drell 92	asym,const,cs
$\psi(3770)$	Sanghera 92	Acciarri 94 angp,const,cs
(3.77) Freyberger 94 -	Albrecht 91E	Adriani 93B angp,const,cs,p
Coffman 92B -	Albrecht 91G	Adriani 93F const,cs
Tuan 92 -	Albrecht 91I	Vilain 93B asym,cs,pol
Coffman 91 -	Albrecht 91J	Adeva 91D
Potter 91 -	Bortoletto 91	asym,const,cs
Bai 90C -	Crawford 91	Banerjee 91
$\Upsilon(1S)$	Crawford 91B	angp,asym,const,cs
(9.46) Blinov 95 -	Cronstrom 91	Burkhardt 91
Albrecht 94O cs	Drell 91	asym,const,cs
Balest 94B -	Henderson 91	Decamp 91S
Cinabro 94 -	Mai 91	angp,asym,const,cs
Alam 92 -	Potter 91	Steinberger 90
Albrecht 92H -	Schafer 91	asym,const,cs
Baru 92B -	Fulton 90	(88.2 - 94.3) Adriani 93J
Baru 91 -	Albrecht 89U	asym,const,cs
Bizzeti 91 -	Kroha 92B	Buskulic 93
Kobel 91 -	positronium	angp,const,cs
(10)	0	(88.22 - 94.22) Bardadinotwi 92
$\Upsilon(2S)$	< 0.0009241	const,cs
(10) Kobel 91 -	?	Bardadinotwi 92B const,cs
(10.02) Albrecht 94O cs	$e^+ e^-$	Abreu 91B
$\Upsilon(3S)$	(88.2 - 94.2) Banerjee 91	asym,const,cs
(10.35) Butler 93 -	(88.2 - 94.2) Buskulic 93	Decamp 91N
Crawford 91 -	angp,asym,const,cs	asym,const,cs
(10.35 - 10.6) Avery 92 -	Decamp 91S	(88.23 - 94.22) Adriani 93D cs
(10.36) Avery 93B -	angp,asym,const,cs	(88.23 - 95.04) Alexander 91C
Crawford 92 -	(88.2 - 94.3) Buskulic 93	angp,const,cs
Potter 91 -	angp,const,cs	(88.24 - 94.23) Wenninger 92
Wu 93 -	(88.22 - 94.23) Abreu 91B	angp,const,cs
Alam 92 -	asym,const,cs	(88.25 - 94.25) Buskulic 93E
Heintz 92 -	(88.22 - 94.28) Decamp 91N	angp,const
Tuan 92 -	asym,const,cs	(88.3 - 94.3) Ting 93 const,cs
Brock 91 -	(88.25 - 94.25) Buskulic 93E	(88.3 - 95) Pietrzyk 91 cs
Heintz 91 -	angp,const	(88.48 - 93.72) Acton 93C
		angp,const,cs

$e^+ e^- \rightarrow \tau^- \tau^+$ $e^+ e^- \rightarrow q \bar{q}$

$e^+ e^-$	$e^+ e^-$	$e^+ e^-$
$\tau^- \tau^+$ (88.3 - 94.3) Buskulic 93C Ting 93 const,cs Rolandi 92 const,pol (88.3 - 95) Pietrzyk 91 cs (88.48 - 93.72) Acton 93C angp,const,cs	$\tau^- \langle \rho^- \nu_\tau \rangle \tau^+ \langle \pi^+ \bar{\nu}_\tau \rangle$ (91.2) Buskulic 94 const,cor,pol	$2jet < mult[hadron] >$ (91.3) Acton 92R cor
(88.5 - 93.7) Buskulic 92L cs (91) Abreu 95F p (91.2) Abreu 95K - Abreu 95P - Abreu 95T pol Acciarri 95 - Acciarri 95I - Akers 95S - Alcaraz 95 - Alexander 95F p Alexander 95G - Andreazza 95 - Biasini 95 - Bourdon 95 - Buskulic 95H - Buskulic 95K const,pol Buskulic 95N - Buskulic 95O - Buskulic 95P - Cerutti 95 - Charlesworth 95 - Dam 95 - Ferrante 95 - Gentile 95 - Girone 95 - Raab 95 - Rouge 95 cs Stugu 95 - Watkins 95 - Akers 94I - Akers 94L - Akers 94O cs Akers 94P cor,qnc Buskulic 94 pol Buskulic 94F cs Fero 94 asym,const Hocker 94 const,cs,p Adriani 93F const,cs Adriani 93J const,pol Blondel 93 angp,const,cs	$\tau^- \langle \pi^- \nu_\tau \rangle \tau^+ \langle \rho^+ \bar{\nu}_\tau \rangle$ (91.2) Buskulic 94 const,cor,pol	$jet < \Lambda \ell^- X \rangle jet < \bar{\Lambda} \ell^+ X \rangle$ (91.2) Abreu 93C mass,pt
(91.26) Abe 94C asym,const,cs (91.27 - 91.28) Buskulic 94E asym,const,cs	$\bar{\nu} \nu^*$ (88.22 - 94.22) Bardadinotwi 92 const,cs Bardadinotwi 92B const,cs (130 - 140) Acciarri 95L const,cs	$jet jet < \gamma X \rangle$ (88.25 - 94.25) Buskulic 95D cs,p
(91.28) Abreu 94G asym,const,cs	$\nu \bar{\nu}^* + \bar{\nu} \nu^*$ (89.48 - 91.26) Abreu 96 cs	$jet jet < D_s^+ \mu^- X \rangle$ (91.2) Abreu 92F cs
(91.2) Akers 93D angp,const,cs	$\nu \bar{\nu}^*$ (130 - 140) Acciarri 95L const,cs	$jet jet < D_s^- \mu^+ X \rangle$ (91.2) Abreu 92F cs
(91.55) Abe 95ZF - Abe 93M asym,const,cs Prescott 93 asym,const,cs	$e^- e^{*+}$ (88.22 - 94.22) Bardadinotwi 92 const,cs Bardadinotwi 92B const,cs (92.2) Abreu 91G cs (130 - 140) Acciarri 95L const,cs	$jet^+ jet^-$ (56.6) Shirai 91 angp,cs (57.6) Shirai 91 angp,cs (57.9) Adachi 91B angp,asym,cs (58) Shirai 91 angp,cs (91.2) Stuart 94 angp,cs Abreu 94S angp,const,cs
$\tau^- \langle \pi^- \nu_\tau \rangle \tau^+ \langle \pi^+ \bar{\nu}_\tau \rangle$ (91.2) Buskulic 94 const,cor,pol	$e^+ e^{*-}$ (92.2) Abreu 91G cs (130 - 140) Acciarri 95L const,cs	$\gamma neutral$ (91.2) Adriani 92M p
$\tau^- \langle \rho^- \nu_\tau \rangle \tau^+ \langle \rho^+ \bar{\nu}_\tau \rangle$ (91.2) Buskulic 94 const,cor,pol	$\mu^- \mu^{*+}$ (88.22 - 94.22) Bardadinotwi 92 const,cs Bardadinotwi 92B const,cs (92.2) Abreu 91G cs (130 - 140) Acciarri 95L const,cs	$\gamma invisible$ (88.25 - 93.7) Akers 94M cs,p (88.5 - 93.8) Acciarri 94E angp,const,p (89.48 - 91.26) Abreu 96 cs
$\tau^- \langle X \rangle \tau^+ \langle \pi^+ \bar{\nu}_\tau \rangle$ (91.2) Buskulic 94 cor	$\mu^+ \mu^{*-}$ (92.2) Abreu 91G cs (130 - 140) Acciarri 95L const,cs	γjet (91.2) Abreu 95U const,cs Buskulic 92I cs
$\tau^- \langle X \rangle \tau^+ \langle \rho^+ \bar{\nu}_\tau \rangle$ (91.2) Buskulic 94 cor	$\tau^- \tau^{*+}$ (92.2) Abreu 91G cs (130 - 140) Acciarri 95L const,cs	2γ < 4.526 · 10 ⁻⁵ Vo 94 mass,p (0.00178 - 0.00192) Widmann 91 cs,p < 0.004636 Trzaska 91B mass,p (10.6) Akerib 92 cs Heltsley 92 angp (50 - 61.4) Shimozawa 92 angp,cs (54 - 64) Abe 93 angp,cs (57.4 - 59.5) Sterner 93 cs (57.4 - 59.8) Abe 93B cs (57.5 - 59.5) Suzuki 93C cs (58) Tsuboyama 92 angp,const,cs
$\tau^- \langle \rho^- \nu_\tau \rangle \tau^+ \langle X \rangle$ (91.2) Buskulic 94 cor	$\tau^+ \tau^{*-}$ (92.2) Abreu 91G cs (130 - 140) Acciarri 95L const,cs	(88.2 - 94.2) Acciarri 95G angp,cs Abreu 94H angp,cs (88.22 - 94.22) Bardadinotwi 92 angp,cs Bardadinotwi 92B angp,cs Abreu 91H angp,const,cs (88.23 - 94.23) Akrawy 91D angp,cs (88.24 - 94.23) Wenninger 92 angp,cs (88.25 - 94.25) Buskulic 93E angp,const
$\tau^- \langle \pi^- \nu_\tau \rangle \tau^+ \langle X \rangle$ (91.2) Buskulic 94 cor	$2jet$ (6.2 - 7.4) Bethke 91 angp (10.53) Gibbons 95 cs,p (14 - 44) Magnussen 91 const,cs (58) Li 93 const,cs,p Li 93B const Akers 94D const,cs Akers 94G - Adriani 93B cs Abreu 92C - Chliapnikov 92 mult Buskulic 95G const Decamp 90 const (91.2) Abe 95ZP angp,asym Akers 95C col,const,cor,p Akers 95N angp,const,cor,mass,p Akers 95V angp Baird 95 const,cor,p Abe 94ZB const,cs,p Buskulic 94H angp Abreu 93D col,const,cor,mass Abreu 93E cs Akers 93F cs Akers 93I const,cs Burrows 93 const,p Lauber 93 const,cs Ting 93 const,cs Decamp 92B ang,const,mass	(88.5 - 93.7) Adriani 93B const,cs Adriani 92B angp,const,cs
$\tau^- \langle \pi^- \nu_\tau \rangle \tau^+ \langle X \rangle$ (91.2) Buskulic 94 cor	$2jet < jet X \rangle$ (90.95 - 91.45) Akers 94E mult	$Z^0 \gamma$ (88.5 - 93.8) Acciarri 94E angp,const,p
		$lepto-quark lepto-quark$ (88.2 - 94.2) Adeva 91B cs (88.2 - 94.3) Alexander 91B cs (91.2) Abreu 93J const,cs Abreu 91K cs
		$heavy-lepton^- heavy-lepton^+$ (50 - 60.8) Kim 90C cs
		$q \bar{q}$ (10.52) Alam 92 - (29 - 91) Chliapnikov 92 ang (58) Stuart 94 angp,cs Tsuboyama 92 angp,const,cs (88.25 - 95) Decamp 91B asym,col,const

$e^+ e^- \rightarrow \eta e^- e^+$

$e^+ e^- \rightarrow D^*(2010)^- 2jet$

$e^+ e^-$	$e^+ e^-$	$e^+ e^-$	$e^+ e^-$
$\eta e^- e^+$ (35) Behrend 90E mass	γ 2neutral (58) Abe 95ZJ angp,cs,p,pt (91.2) Adriani 92M p	2neutralino jet (88.2 - 94.2) Acciarri 95F cs	
$\eta' e^- e^+$ (10) Karch 91B cs (35) Behrend 90E mass	γ 0 γ 2neutral (50 - 62) Kanzaki 91 cs	γ 2neutralino (88.2 - 94.2) Acciarri 95F cs	
$f_2(1270) e^- e^+$ (58) Yabuki 94 cs Tsuboyama 92 cs	γ 2jet (88.28 - 94.28) Acton 92Q cs (91 - 91.5) Adriani 92G mass (91.2) Abreu 96B ang,angp,p Abreu 95U const,cs Akers 95Q ang,mass,p,pt	γ 2photino (50 - 62) Kanzaki 91 cs (57.8) Sugimoto 95 cs (58) Hosoda 94 cs,p	
$\eta_2(1870) e^- e^+$ (10) Karch 91B cs	Akers 95V angp Buskulic 92I cs	γ 2gravitino (91.2) Adriani 92M p	
$\eta_c(1S) e^- e^+$ (4.7 - 5.3) Albrecht 94M cs (91.2) Adriani 93K mass	3 γ < 4.526 · 10 ⁻⁵ Vo 94 mass,p (< 0.002) Skalsey 92 mass,p (50 - 61.4) Shimozawa 92 mass,p (88.2 - 94.2) Acciarri 95G angp,cs Abreu 94H angp,cs (88.22 - 94.22) Bardadinotwi 92 cs Bardadinotwi 92B cs (88.23 - 94.23) Akrawy 91D angp,cs (88.24 - 94.23) Wenninger 92 angp,cs (88.5 - 93.7) Acciarri 95B cs,mass Adriani 93B const,cs Adriani 92B cs	3A ⁰ (91.2) Akers 94Q const,cs	
$\chi_{c2}(1P) e^- e^+$ (10.58) Shelkov 93 cs (29) Bauer 93C cs,p (54 - 64) Uehara 91 angp,cs	$q \bar{q}$ heavy (91.2) Buskulic 93F cs	meson ⁰ $q \bar{q}$ (91.2) Buskulic 93F cs	
charged 2jet (91.2) Abreu 95C mult	$\gamma q \bar{q}$ (58) Takaki 93 ang Maki 91 p (88.2 - 94.22) Abreu 91M p,pt (88.25 - 94.25) Buskulic 95D cs,p (91 - 91.5) Adriani 92N const Abreu 96B - Acciarri 95E ang	π^+ 2jet (91.2) Strohmmer 94 const,cor,mass,p,pt Biebel 93B const,cor,mass,p,pt	
3jet (10.53) Gibbons 95 const,cor,cs,p	$q \bar{q}$ gluon (14 - 94.2) Bethke 92B ang,cs (29 - 91) Chliapnikov 92 ang (58) Takaki 93 ang (91.2) Abreu 96B - Abe 95V ang,cor,cs Acciarri 95J col,cor,p,pt Akers 95C col,const,cor,p Akers 95M angp,p Akers 95N angp,const,cor,mass,p Alexander 95D - Baird 95 const,cor,p Buskulic 95Q p,pt Buskulic 95R ang,angp,p const,cor,p	π^0 2jet (91.2) Acciarri 95M mult,p	
(88.28 - 95.04) Akers 95K p (91) Chliapnikov 92 mult Abreu 91F angp,col Alexander 91F ang,p Abreu 96B ang,angp,p Abe 95V ang,cor,cs Acciarri 95J col,cor,p,pt Akers 95C col,const,cor,p Akers 95M angp,p Akers 95N angp,const,cor,mass,p Alexander 95D - Baird 95 const,cor,p Buskulic 95Q p,pt Buskulic 95R ang,angp,p const,cor,p	$\bar{u} u$ gluon (91.2) Abe 94ZB const Burrows 93 const,cs	π^- 2jet (91.2) Strohmmer 94 const,cor,mass,p,pt Biebel 93B const,cor,mass,p,pt	
(91.2) Abreu 96B ang,angp,p Abe 95V ang,cor,cs Acciarri 95J col,cor,p,pt Akers 95C col,const,cor,p Akers 95M angp,p Akers 95N angp,const,cor,mass,p Alexander 95D - Baird 95 const,cor,p Buskulic 95Q p,pt Buskulic 95R ang,angp,p const,cor,p	$\bar{d} d$ gluon (91.2) Abe 94ZB const Burrows 93 const,cs	π^+ π^0 π^- (0.9939 - 1.027) Akhmetshin 95 cs,mass (1.005 - 1.035) Akhmetshin 95B cs (1.35 - 2.4) Castro 94 cs Antonelli 92 mass Bisello 91B cs	
(91.55) Abe 94W ang,angp,p Abreu 93E const,cor,p Acton 93 ang,p Akers 93I const,cs Laubert 93 const,cs Ting 93 const,cs Adeva 92D ang Bethke 92 ang,p*p Burrows 92C ang,angp,const Decamp 92B ang,const,mass Adeva 91H ang,angp Alexander 91H ang,p (91.55) Abe 93X const,cs Fan 92 ang,p Martirena 94 const,cs (91.6) Bethke 91B p	$\bar{s} s$ gluon (91.2) Abe 94ZB const Burrows 93 const,cs	η 2jet (91.2) Acciarri 95M mult,p	
3jet < jet X > (90.95 - 91.45) Akers 94E mult	$\bar{c} c$ gluon (91.2) Abe 94ZB const Burrows 93 const,cs	$\eta \pi^+ \pi^-$ (1.35 - 2.4) Castro 94 cs	
jet < $\mu^\pm X$ > 2jet < hadron X > (91.2) Yepes 91 ang	$\gamma \bar{b} b$ (91.2) Abreu 96B -	$\omega \pi^+ \pi^-$ (1.35 - 2.4) Castro 94 cs Antonelli 92 cs Bisello 91B cs,mass	
2jet jet < γX > (88.25 - 94.25) Buskulic 95D cs,p	$\bar{b} b$ gluon (88.2 - 94.2) Adeva 91F const,cs,p,pt	$\rho(1450) 2\pi$ (1.35 - 2.4) Bisello 91C cs	
2jet jet < ℓX > (88.28 - 95.04) Akers 95K mult	(91.2) Abreu 96B const,cs,p,pt Akers 95C col,const,cor,p Buskulic 95R - Abe 94ZB const Abreu 93E const Burrows 93 const,cs Acton 92P p,pt	K ⁺ 2jet (91.2) Strohmmer 94 const,cor,mass,p,pt Biebel 93B const,cor,mass,p,pt	

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$e^+ e^- \rightarrow D^*(2010)^- 2jet$ $e^+ e^- \rightarrow \pi^+ \pi^- \mu^- \mu^+$

$e^+ e^-$	$e^+ e^-$	$e^+ e^-$	$e^+ e^-$
$D^*(2010)^- 2jet$			$\mu^- \mu^+ e^- e^+$
Biebel 93B const,cor,mass,p,pt	$e^- e^+ 2\gamma$ (10.36) (35) (88.2 - 93.8)	Crawford 92 mass,p Behrend 90E mass Adriani 92K cs,mass,p	(52 - 61.4) Hayashii 91 angp,mass,p
$D_s^+ D_s^- \gamma$ (4.14)	Coffman 91 -	Wenninger 92 mass Acton 93G mass Buskulic 93F mass	(58) Maki 91 (88 - 94) Akers 93C angp,mass
$\Upsilon(1S) 2\pi^0$ (10.35)	Butler 93 mass	Ting 93 mass Abreu 91G angp,mass	(88.2 - 94.2) Acton 92E ang,mass (88.4 - 93.9) Buskulic 94K cs,mass (88.5 - 93.7) Adam 93 ang,cs,mass
$\Upsilon(1S) \pi^+ \pi^-$ (10.35)	Butler 93 ang,mass,p	$e^- e^+ 2\gamma^*$ (10.6) (58 - 59)	$2\mu^- 2\mu^+$ (29) (88.2 - 94.2) Barklow 92 cs (88.4 - 93.9) Acton 92E ang,mass (88.5 - 93.7) Buskulic 94K cs,mass (88.5 - 93.7) Adam 93 ang,cs,mass
$\Upsilon(2S) 2\pi^0$ (10.35)	Butler 93 mass	$e^- e^+ \ell^+ \ell^-$ (88.2 - 94.2)	Abreu 93H cs,mass
$\Upsilon(2S) \pi^+ \pi^-$ (10.35)	Butler 93 ang,mass,p	$e^- e^+ \nu \bar{\nu}$ (88.4 - 93.9)	$\tau^- \tau^+ \text{charged}^+ \text{charged}^-$ (88.2 - 94.2)
$\Lambda 2jet$ (91.2)	Abreu 95C mult	Buskulic 94K cs,mass Buskulic 94I cs,mass,pt	Abreu 93H cs,mass
$\Xi^- 2jet$ (91.2)	Abreu 95C mult	$2e^- 2e^+$ (7.2 - 10) (29)	$\tau^- \tau^+ 2jet$ (91.2)
$\ell^\pm 3jet$ (91.2)	Acton 92P p,pt	Blinov 91B mass Kaloshin 94 mass Barklow 92 cs Nozaki 92 ang,angp,mass	$\tau^- \tau^+ \text{hadron}^+ \text{hadron}^-$ (88.2 - 94.2)
$2\ell 2jet$ (88.2 - 94.2) (89.75 - 92.64) (91.2)	Akers 93 col,pt Akers 93E cs Akers 93F cs	Acton 92E ang,mass Buskulic 94K cs,mass Adam 93 ang,cs,mass	Abreu 93H cs,mass
$2\ell^- 2jet$ (91.2)	Buskulic 94C cs	$\mu^\pm 3jet$ (88.2 - 94.2)	Adeva 91F const,cs,p,pt Abreu 93E cs,p,pt
$\ell^+ \ell^- 2jet$ (50 - 64) (88.2 - 94.2) (88.2 - 94.3) (91.2)	Shirakata 91 col,pt Adeva 91B mass Alexander 91B mass Acciarri 95C col,et,pt Akers 94N ang,cs,pt Buskulic 94C cs Abreu 93J mass Abreu 91K cs	$\mu^- e^- 2jet$ (88.2 - 94.2)	$\tau^- \tau^+ e^- e^+$ (29) (88 - 94)
$2\ell^+ 2jet$ (91.2)	Buskulic 94C cs	$\mu^- e^+ 2jet$ (88.2 - 94.2)	Buskulic 94D const,cs,pt
$\nu \bar{\nu} 2jet$ (88 - 95) (88.2 - 94.2) (88.2 - 94.3) (91.2)	Akers 94F cs,mass Adeva 91B mass Alexander 91B mass Buskulic 93K angp,mass	$\mu^+ e^- 2jet$ (88.2 - 94.2)	Buskulic 94D const,cs,pt
$\ell^+ \ell^- 2\gamma$ (88.2 - 94.2) (91.2)	Acciarri 95G angp,cs Acton 93G mass Buskulic 93F mass Ting 93 mass	$\mu^+ e^+ 2jet$ (88.2 - 94.2)	Buskulic 94D const,cs,pt
$e^\pm 3jet$ (88.2 - 94.2)	Adeva 91F const,cs,p,pt Abreu 93E cs,p,pt	$\mu^- \mu^+ 2jet$ (88 - 95) (88.2 - 94.2)	Akers 94F cs,mass Buskulic 94D const,cs,pt
$e^- e^+ \text{charged}^+ \text{charged}^-$ (88.2 - 94.2)	Abreu 93H cs,mass	(88.23 - 95.04) Alexander 91C const,cs,pt (91.2) Abreu 94S angp,const,cs col	Adam 93 ang,cs,mass Akers 94Q ang,mass
$2e^- 2jet$ (88.2 - 94.2)	Buskulic 94D const,cs,pt	$2\mu^+ 2jet$ (88.2 - 94.2)	Buskulic 94D const,cs,pt
$e^- e^+ 2jet$ (88 - 95) (88.2 - 94.2)	Akers 94F cs,mass Buskulic 94D const,cs,pt	$\mu^- \mu^+ \text{hadron}^+ \text{hadron}^-$ (88.2 - 94.2)	Abreu 93H cs,mass
(88.23 - 95.04) Alexander 91C angp,const,cs (91.2) Abreu 94S angp,const,cs col		$\mu^- \mu^+ 2\gamma$ (10.36) (88 - 94) (88.2 - 93.8) (91.2)	Crawford 92 mass,p Dittmar 92 mass Adriani 92K cs,mass,p Acton 93G mass Buskulic 93F mass Ting 93 mass
$2e^+ 2jet$ (88.2 - 94.2)	Buskulic 94D const,cs,pt	$\mu^- \mu^+ \ell^+ \ell^-$ (88.2 - 94.2)	Abreu 93H cs,mass
$e^- e^+ \text{hadron}^+ \text{hadron}^-$ (88.2 - 94.2)	Abreu 93H cs,mass	$\mu^- \mu^+ e^- e^+$ (7.2 - 10) (29)	Blinov 91B mass Kaloshin 94 mass Barklow 92 cs
$e^- e^+ 2\gamma$ (0.774 - 0.79)	Aulchenko 95 cs	(50 - 61.4) Nozaki 92 ang,angp,mass	
			$2\pi^0 e^- e^+$ (10.35)
			Butler 93 mass
			$\pi^+ \pi^- e^- e^+$ (7.2 - 10) (10.35) (10.36) (20) (29) (58) (88.2 - 94.2) (88.4 - 93.9)
			Blinov 91B mass Butler 93 mass Wu 93 mass Behrend 92 mass Kaloshin 94 mass Barklow 92 cs Yabuki 94 angp,mass Acton 92E ang,mass Buskulic 94K cs,mass
			$2\pi^0 \mu^- \mu^+$ (10.35)
			Butler 93 mass
			$\pi^+ \pi^- \mu^- \mu^+$ (10.35) (10.36)
			Butler 93 mass Wu 93 mass

$e^+ e^- \rightarrow \pi^+ \pi^- \mu^- \mu^+$

$e^+ e^- \rightarrow 2\pi^+ \pi^0 2\pi^- 2\text{neutral}$

$e^+ e^-$		$e^+ e^-$		$e^+ e^-$		
$\pi^+ \pi^- \mu^- \mu^+$ (29) (88.2 - 94.2) (88.4 - 93.9)	Barklow 92 Acton 92E Buskuclic 94K	cs ang,mass cs,mass	$\bar{c} c q \bar{q}$ (88.28 - 95.04) Akers 95K	mult	$2\tau^- 2\tau^+ 2\text{jet}$ (91.2) Akers 94Q	ang,mass
$\pi^+ \pi^- \tau^- \tau^+$ (29) (88.2 - 94.2) (88.4 - 93.9)	Barklow 92 Acton 92E Buskuclic 94K	cs ang,mass cs,mass	2neutralino 2jet (88.2 - 94.2) Acciarri 95F	cs	$3\tau^- 3\tau^+$ (91.2) Akers 94Q	ang,mass
$\rho e^- e^+ \gamma$ (35)	Behrend 90E	mass	$\pi^+ \pi^0 \pi^- \gamma$ (1.005 - 1.035) Akhmetshin 95B	cs	$\pi^0 e^\pm 3\nu \text{ charged-hadron}$ (10.6) Heltsley 92	mass
$\rho^+ \rho^- \nu_\tau \bar{\nu}_\tau$ (10.6)	Golutvin 94	cor	$\pi^+ 2\pi^0 \pi^- - \omega \pi^0$ (1.35 - 2.4) Bisello 91C	cs	$\pi^0 \mu^\pm 3\nu \text{ charged-hadron}$ (10.6) Heltsley 92	mass
$f_0(975) \eta e^- e^+$ (10)	Karch 91B	cs	$\pi^+ 2\pi^0 \pi^-$ (1.35 - 2.4) Bisello 91C	cs	$\pi^+ \pi^- e^- e^+ 2\gamma$ (35) Behrend 90E	mass
$a_0(980)^0 \pi^0 e^- e^+$ (10)	Karch 91B	cs	$2\pi^+ 2\pi^-$ (1.005 - 1.035) Akhmetshin 95B	cs	$2\pi^+ \pi^- \mu^- \bar{\nu}_\tau \gamma$ (10) Bean 92	ang,mass,qnc
$f_2(1270) \eta e^- e^+$ (10)	Karch 91B	cs	$\rho^+ \rho^- 2\text{neutral}$ (9.4 - 10.6) Albrecht 92I	cs,pwa pol	$\pi^+ 2\pi^0 \pi^- e^- e^+$ (4.7 - 5.3) Albrecht 91N	col,mass,p
$a_2(1320)^0 \pi^0 e^- e^+$ (10)	Karch 91B	cs	$e^- e^+ \gamma \text{ charged}^+ \text{ charged}^-$ (54 - 64) Uehara 91	ang,angp,mass	$2\pi^+ 2\pi^- e^- e^+$ (4.7 - 5.3) Albrecht 94M	cs,mass
$f_0(1400) \eta e^- e^+$ (10)	Karch 91B	cs	$e^- e^+ \ell^+ \ell^- \gamma$ (10.58) Shelkov 93	mass,pt	$\pi^+ 2\pi^0 \pi^- \nu_\tau \bar{\nu}_\tau$ (9.4 - 10.6) Albrecht 94Q	angp,p
$K^+ K^- e^- e^+$ (88.4 - 93.9)	Buskuclic 94K	cs,mass	$2e^- 2e^+ \gamma$ (29) Bauer 93C	mass,p	$K^+ \pi^+ 2\pi^- e^- e^+$ (4.7 - 5.3) Albrecht 94M	cs,mass
$2K_S e^- e^+$ (91.2)	Acciarri 95O	mass	$\mu^- e^+ \bar{\nu}_\tau \nu_e \gamma$ (10) Bean 92	ang,mass,qnc	$K^- 2\pi^+ \pi^- e^- e^+$ (4.7 - 5.3) Albrecht 94M	cs,mass
$2\phi(1020) e^- e^+$ (4.7 - 5.3)	Albrecht 94M	cs,mass	$\mu^- \mu^+ 2\nu \gamma$ (10) Bean 92	ang,mass,qnc	$K^+ K^- \pi^+ \pi^- e^- e^+$ (4.7 - 5.3) Albrecht 94B	mass
$J/\psi(1S) e^- e^+ \gamma$ (29) (54 - 64)	Bauer 93C Uehara 91	mass,p ang,angp,mass	$\mu^- \mu^+ e^- e^+ \gamma$ (29) Bauer 93C	mass,p	$2K^+ 2K^- e^- e^+$ (4.7 - 5.3) Albrecht 94M	cs,mass
$p \bar{p} e^- e^+$ 5.29	Artuso 93	col,p	$\pi^+ \pi^- e^- e^+ \gamma$ (35) Behrend 90E	mass	$3\bar{b} 3b$ (91.2) Akers 94Q	ang,mass
2neutral 2jet (91.2) Akers 94J		cs	$\pi^+ \pi^0 \mu^- \bar{\nu}_\tau \gamma$ (10) Bean 92	ang,mass,qnc	$2\pi^0 \text{ hadron}^+ \text{ hadron}^- 2\text{neutral}$ (10.6) Heltsley 92	ang,mass
4jet (10.53) Gibbons 95		const,cor,cs,p	$\eta 2\pi^0 e^- e^+$ (10) Karch 91B	mass,pwa	$\pi^+ 2\pi^0 \pi^- 2\text{neutral}$ (9.4 - 10.6) Albrecht 92I	ang,mass
(14 - 44) Magnussen 91		const,cs	$\eta \pi^+ \pi^- e^- e^+$ (35) Behrend 90E	mass	$2\pi^+ 2\pi^- 2\text{neutral}$ (9.4 - 10.6) Albrecht 92F	mass,p
(58) Suzuki 93C		angp	$K^+ K_S \pi^- e^- e^+$ (4.7 - 5.3) Albrecht 94M	cs,mass	$2\pi^+ 2\pi^0 2\pi^-$ (1.82 - 2.44) Gauzzi 94	cs
(58.7) Shirai 91		cs	$K_S K^- \pi^+ e^- e^+$ (4.7 - 5.3) Albrecht 94M	cs,mass	$\rho^+ \pi^+ 2\pi^- 2\text{neutral}$ (9.4 - 10.6) Albrecht 92I	pol
(88.2 - 94.2) Akers 94D		const,cs	$K^+ K^- \phi(1020) e^- e^+$ (4.7 - 5.3) Albrecht 94M	cs,mass	$K^+ \pi^+ 2\pi^- 2\text{neutral}$ (9.4 - 10.6) Albrecht 92F	mass,p
(91) Abreu 92C		-	$\pi^0 \text{ hadron}^+ \text{ hadron}^- 2\text{neutral}$ (10.6) Heltsley 92	ang,mass	$2\pi^0 e^\pm 3\nu \text{ charged-hadron}$ (10.6) Heltsley 92	mass
(91.2) Chliapnikov 92		mult	$2\pi^+ \pi^0 2\pi^-$ (1.35 - 2.4) Castro 94	cs	$2\pi^0 \mu^\pm 3\nu \text{ charged-hadron}$ (10.6) Heltsley 92	mass
Akers 95		ang,cor	$2K^+ 2K^- \gamma$ (3.1) Bertolotto 94	ang,mass	$\pi^+ 2\pi^- e^+ \nu_e 2\text{neutral}$ (9.4 - 10.6) Albrecht 92M	mass
Abreu 94L		mass	$\Upsilon(1S) \pi^+ \pi^- 2\gamma$ (10.35) Butler 93	ang,mass,p	$\pi^+ 2\pi^- \mu^+ \nu_\mu 2\text{neutral}$ (9.4 - 10.6) Albrecht 92M	mass
Akers 94Q		ang,mass	$\Upsilon(1S) \pi^+ 2\pi^0 \pi^-$ (10.35) Butler 93	ang,mass,p	$2\pi^+ 2\pi^- e^- e^+ \gamma$ (35) Behrend 90E	mass
Abreu 93B		ang,const,p	$\Upsilon(1S) 2\pi^+ 2\pi^-$ (10.35) Butler 93	ang,mass,p	$2\pi^+ \pi^0 2\pi^- e^- e^+$ (35) Behrend 90E	mass
Lauber 93		const,cs	$e^- e^+ 4\gamma$ (10) Kaloshin 94	angp,mass	$2\pi^+ 3\pi^- \tau^+ \nu_\tau$ (10.6) Gibaut 94	cs,mass
Ting 93		const,mass	$\tau^- \tau^+ \nu \bar{\nu} 2\text{jet}$ (91.2) Akers 94Q	angp,mass	$K^+ K^- \pi^+ \pi^0 \pi^- e^- e^+$ (4.7 - 5.3) Albrecht 94B	mass
Bethke 92		ang	$\tau^- \tau^+ e^- e^+ 2\text{jet}$ (91.2) Akers 94Q	ang,mass	$3\pi^0 \text{ hadron}^+ \text{ hadron}^- 2\text{neutral}$ (10.6) Heltsley 92	ang,mass
Bethke 92B		ang,p*p	$\tau^- \tau^+ \mu^- \mu^+ 2\text{jet}$ (91.2) Akers 94Q	ang,mass	$2\pi^+ 2\pi^- \gamma 2\text{neutral}$ (9.4 - 10.6) Albrecht 92F	mass,p
Bethke 91B		mass			$2\pi^+ \pi^0 2\pi^- 2\text{neutral}$ (9.4 - 10.6) Albrecht 92I	ang,mass
Fabbri 91		mass				
hadron⁺ hadron⁻ 2neutral (10.6) Heltsley 92		ang,mass				
$\gamma 3\text{jet}$ (88.28 - 94.28) Acton 92Q		cs				
(91.2) Abreu 95U		const,cs				
Akers 95Q		ang,mass,p,pt				
Buskuclic 92I		cs				
$2\gamma 2\text{jet}$ (91 - 91.5) Adriani 92G		mass				
$2\gamma q \bar{q}$ (91.2) Buskuclic 93F		mass				
$q \bar{q} 2\text{gluon}$ (91.2) Akers 95		ang,cor				
$2q 2\bar{q}$ (91.2) Akers 95		ang,cor				

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$e^+ e^- \rightarrow K^+ \pi^+ 2\pi^- \gamma$ 2neutral $\mu^+ p \rightarrow \mu^+ X$

$e^+ e^-$	$e^+ p$	$\mu^- {}^{27}\text{Al}$
$K^+ \pi^+ 2\pi^- \gamma$ 2neutral (9.4 - 10.6) Albrecht 92F mass,p	$p \phi(1020) e^+$ (300) Derrick 95Q angp,cs,pt	γX 0 Armstrong 92F a-dep,const,cs,p Hasinoff 92B a-dep,const,cs,p
$e^- e^+ 6\gamma$ (5) Karch 91 col,mass,p (10) Kaloshin 94 angp,mass Bienlein 92 angp,mass	$p J/\psi(1S) e^+$ (300) Aid 96C cs	$\mu^- {}^{28}\text{Si}$
$\pi^+ \pi^- e^- e^+ 4\gamma$ (29) Bauer 93 angp	$p \pi^+ \pi^- e^+$ (300) Aid 96 angp,mass	γX 0 Armstrong 92F a-dep,const,cs,p Hasinoff 92B a-dep,const,cs,p
$3\pi^0 e^\pm 3\nu$ charged-hadron (10.6) Heltsley 92 mass	$p K^+ K^- e^+$ (300) Derrick 95Q angp,mass	$\mu^- {}^{40}\text{Ca}$
$3\pi^0 \mu^\pm 3\nu$ charged-hadron (10.6) Heltsley 92 mass	e^+ nucleus	γX 0 Armstrong 92F a-dep,const,cs,p Hasinoff 92B a-dep,const,cs,p Armstrong 90C cs,p
$2\pi^+ 2\pi^0 2\pi^- e^- e^+$ (9.4 - 10.6) Albrecht 95G mass	$p \pi^- e^+ X$ 14.5 Elouadrhiri 94 angp,mass,p	$\mu^- {}^{46}\text{Ti}$
$3\pi^+ 3\pi^- e^- e^+$ (9.4 - 11.4) Herrera 91 mass,pt (35) Behrend 90F mass (36.4) Pust 91 -	$2p e^+ X$ 14.5 Degtyarenko 94 angp,mass,p	$\text{Ca } e^+$ 0.09 Dohmen 93 cs,p,qnc $\text{Ti } e^-$ 0.09 Dohmen 93 cs,p,qnc
$2\pi^+ \pi^0 3\pi^- \tau^+ \nu_\tau$ (10.6) Gibaut 94 cs,mass	nucleus $e^+ \gamma$ 46 Bini 91 p	$\mu^- \text{Fe}$
$4\pi^0$ hadron ⁺ hadron ⁻ 2neutral (10.6) Heltsley 92 ang,mass	e^+ Th	$\mu^- X$ 93 - 215 Virchaux 92 p 400 - 4000 Ashitkov 91 cs
$4\pi^0 e^\pm 3\nu$ charged-hadron (10.6) Heltsley 92 mass	$e^- X$ 0 - 0.004874 Sakai 93 p	$\mu^- \text{Cu}$
$4\pi^0 \mu^\pm 3\nu$ charged-hadron (10.6) Heltsley 92 mass	$e^+ X$ 0 - 0.004874 Sakai 93 p	X 209 Arneodo 92 cs
$3\pi^+ \pi^0 3\pi^- e^- e^+$ (9.4 - 11.4) Herrera 91 mass,pt	unspec X 0 - 0.004874 Sakai 93 cs 0.0006553 - 0.0006867 Sakai 92 cs	$\mu^- \text{Mo}$
$2\pi^+ 2\pi^0 3\pi^- \tau^+ \nu_\tau$ (10.6) Gibaut 94 cs	$e^- e^+ X$ 0.0006553 - 0.0006867 Sakai 92 mass	γX 0 Armstrong 92F a-dep,const,cs,p Hasinoff 92B a-dep,const,cs,p
$e^- e^+ 8\gamma$ (5) Karch 91 col,mass,p	$\mu^\pm \text{Fe}$	$\mu^- \text{Sn}$
$3\pi^+ 2\pi^0 3\pi^- e^- e^+$ (9.4 - 11.4) Herrera 91 mass,pt	$\mu^\pm X$ 58 - 1130 Sakamoto 92 p	γX 0 Armstrong 92F a-dep,const,cs,p Hasinoff 92B a-dep,const,cs,p
$4\pi^+ 4\pi^- e^- e^+$ (9.4 - 11.4) Herrera 91 mass,pt	$\mu^- p$	$\mu^- \text{Pb}$
$e^- e^+ 10\gamma$ (5) Karch 91 col,mass,p	$n \nu_\mu \gamma$ 0 Depommier 94 p Hasinoff 94 const,cs,p Jonkmans 94 p Hasinoff 93 const,cs,p Hasinoff 92 const,cs,p Hasinoff 92B const,cs,p Wright 91 const,p	γX 0 Armstrong 92F a-dep,const,cs,p Hasinoff 92B a-dep,const,cs,p
$e^- e^+ 12\gamma$ (5) Karch 91 col,mass,p	$\mu^- \text{nucleus}$	γX 0 Armstrong 92F a-dep,const,cs,p Hasinoff 92B a-dep,const,cs,p
$e^+ p$	$e^+ X$ (296) Aid 95G angp (300) Derrick 95M angp,cs,p Derrick 95N const,cs,p	$\mu^- \text{Pb}$
$\mu^+ X$ (300) Ahmed 94F pt	$\mu^- \text{nucleus}$	γX 0 Armstrong 92F a-dep,const,cs,p Hasinoff 92B a-dep,const,cs,p
lepto-quark X (300) Aid 95J cs	$\mu^- {}^3\text{He}$	$\mu^+ e^-$
$\bar{\nu}$ jet X (300) Aid 95J cs,et,mass	${}^3\text{H } \nu_\mu$ 0 Cummings 95 asym	muonium 0.01 Ni 93 cs 0.02 Matthias 91 cs
e^+ jet X (300) Aid 95J cs,et,mass	deuteron $n \nu_\mu$ 0 Cummings 92 p	$\mu^- e^+$ 0 Abazov 93 cs,qnc Gordeev 93 const,qnc Ni 93 amp,qnc Matthias 91 amp
$\bar{\nu}_e$ hadron (hadrons) (296) Aid 95B angp,cs,pt	$p 2n \nu_\mu$ 0 Cummings 92 p	μ^+ nucleon
μ^+ jet X (300) Aid 95J cs,et,mass	$\mu^- \text{C}$	nucleon e^+ 0.09 Drell 92B cs,qnc
τ^+ jet X (300) Aid 95J cs,et,mass	X 209 Arneodo 92 cs	$\mu^+ p$
e^+ 3jet X (300) Derrick 95N const,cs,p	$\mu^- X$ 120 - 280 Virchaux 92 p 200 Benvenuti 93 p	$\mu^+ X$ 90 - 280 Arneodo 95C angp,p Arneodo 94C p Nassalski 94 p
e^+ hadron 2jet X (300) Derrick 95O cor,cs,et,p	$\mu^- {}^{12}\text{C}$	
$p \rho^0 e^+$ (300) Aid 96C angp,cs	γX 0 Armstrong 90C cs,p	
	$\mu^- {}^{16}\text{O}$	
	γX 0 Armstrong 90C cs,p	

μ^+ deuteron $\rightarrow \mu^+$ X μ^+ C $\rightarrow n \mu^+$ X

μ^+ deuteron	μ^+ deuteron	μ^+ deuteron
μ^+ X	$J/\psi(1S) \mu^+$ X	deuteron $\rho^0 \mu^+$
Arneodo 92 a-dep,p	200 Arneodo 95D a-dep,p	500 Conrad 95 a-dep,angp,cs
Amaudruz 91B a-dep,p	Arneodo 94 p,pt	
200 - 280 Roberts 91 p	280 Arneodo 94 p,pt	deuteron $\phi(1020) \mu^+$
274 Roberts 91 p	Allasia 90C angp,p	200 Arneodo 95D angp
280 Arneodo 92 p	$n \mu^+$ X	Arneodo 94B p,pt
Virchaux 92 p	470 Adams 95D mult,p	465 Schellman 94 a-dep,angp
Bazizi 91 p	$\Lambda \mu^+$ X	
Roberts 91 p	490 Adams 94D mass,mult,p,pt	deuteron μ^+ charged $^+$ charged $^-$
350 - 600 Kotwal 94 p	Adams 94D mass,mult,p,pt	465 Schellman 94 mass
465 Kotwal 94B angp,p	$\bar{\Lambda} \mu^+$ X	deuteron $\pi^+ \pi^- \mu^+$
Spentzouris 94 angp,p	490 Adams 94D mass,mult,p,pt	200 Arneodo 94B a-dep,ang,mass,p,pt
Wolbers 94 angp,p	2charged X	deuteron $K^+ K^- \mu^+$
468 Carroll 93 a-dep,cs	490 Adams 93D cor,p	200 Arneodo 94B mass,p,pt
470 Adams 95 angp,p	Adams 93D cor,p	μ^+ He
Adams 95C a-dep,angp,p	Adams 93D cor,p	μ^+ X
Kotwal 95 angp,p	2charged $^+$ X	200 Amaudruz 95 a-dep,p
Conrad 95 a-dep,cs,p	490 Adams 94E cor,p	Arneodo 92 a-dep,p
Mallot 94 a-dep,p	Adams 94E cor,p	Amaudruz 91B a-dep,p
Adams 93 p	charged $^+$ charged $^-$ X	Roberts 91 p
Adams 93C const,et	490 Adams 94E cor,p	
Hughes 93B p	2charged $^-$ X	μ^+ Li
Adams 92B p	490 Adams 94E cor,p	μ^+ X
Adams 92D angp,p	μ^+ mult[grey] charged $^+$ X	200 Paic 94 a-dep,angp
Arneodo 92 p	490 Adams 94F mult,p	μ^+ ^6Li
Morfin 92 p	μ^+ mult[grey] charged $^-$ X	μ^+ X
Schellman 91B p	490 Adams 94F mult,p	90 Amaudruz 95 a-dep,p
mult[charged] X	μ^+ 2jet X	Amaudruz 91C p
490 Adams 93D mult,p	470 Adams 96 angp,p	200 Arneodo 95 a-dep,angp,p
mult[charged $^+$] X	490 Adams 95F angp,cor,p	
490 Adams 93D mult,p	Adams 93C const,et	μ^+ Be
mult[charged $^-$] X	Melanson 93 a-dep,cs	μ^+ X
490 Adams 93D mult,p	Salgado 93 p	90 - 280 Mallot 94 a-dep,p
charged X	Salgado 93B cs	μ^+ C
490 Adams 93D mult,p,pt	μ^+ hadron $^+$ hadron $^-$ X	μ^+ X
charged $^+$ X	490 Adams 95G mass	90 - 280 Mallot 94 a-dep,p
490 Adams 93D mult,p,pt	μ^+ 2charged-hadron X	100 - 280 Amaudruz 92 p
charged $^-$ X	490 Adams 94H cor,p	Arneodo 92 a-dep,p
490 Adams 93D mult,p,pt	$\pi^+ \pi^- \mu^+$ X	Roberts 91 p
μ^+ charged X	490 Adams 94D mass	Roberts 91 p
490 Adams 94F mult,p	$\pi^+ \pi^- \mu^+$ X	Virchaux 92 p
Morfin 92 angp,p,pt	490 Adams 94D mass	Amaudruz 95 a-dep,p
μ^+ charged $^+$ X	$\rho^0 \mu^+$ fragt (fragts)	Paic 94 a-dep,angp
490 Adams 94F mult,p	490 Adams 95G a-dep,angp	Arneodo 92 a-dep,p
μ^+ charged $^-$ X	3charged X	Amaudruz 91B a-dep,p
490 Adams 94F mult,p	490 Adams 94E cor,p	Roberts 91 p
μ^+ jet X	3charged $^-$ X	Arneodo 92 a-dep,p
490 Melanson 93 a-dep,cs	490 Adams 94E cor,p	Virchaux 92 p
Salgado 93 p	μ^+ 3charged-hadron X	Roberts 91 p
Salgado 93B cs	490 Adams 94H cor,p	Carroll 93 a-dep,cs
μ^+ hadron $^+$ X	deuteron μ^+ hadron $^+$ hadron $^-$ (neutrals)	Adams 95C a-dep,angp,p
100 - 190 Adeva 95 angp,asym,p	490 Kotwal 94B mass	Conrad 95 a-dep,cs,p
100 - 280 Ashman 91 mass,p	μ^+ 4charged (charged s) X	Mallot 94 a-dep,p
μ^+ hadron $^-$ X	490 Adams 93B ang,angp,col,mass,pt	μ^+ jet X
100 - 190 Adeva 95 angp,asym,p	deuteron μ^+	490 Melanson 93 a-dep,cs
100 - 280 Ashman 91 mass,p	90 - 280 Amaudruz 92B p	Salgado 93 p
μ^+ charged-hadron X	Virchaux 92 p	Salgado 93B cs
100 - 280 Ashman 91 pt	deuteron $\rho^0 \mu^+$	$\mu^- \mu^+$ X
Ashman 91B a-dep,ang,p,pt	200 Arneodo 95D ang,angp,dme,pt	200 - 280 Arneodo 94 mass
490 Adams 94H cor,p	Arneodo 94B a-dep,p,pt	$\phi(1020) \mu^+$ X + $\rho^0 \mu^+$ X
Adams 91E p,pt	Arneodo 94B a-dep,p,pt	470 Fang 94 a-dep,cs,p
$\mu^- \mu^+$ X	Amaudruz 91F angp,pt	$J/\psi(1S) \mu^+$ X
200 - 280 Arneodo 94 mass	Schellman 94 a-dep,angp	200 Arneodo 95D a-dep,p
$K^0 \mu^+$ X	490 Kotwal 94B a-dep,angp	Arneodo 94 p,pt
490 Adams 94D mass,mult,p,pt		Arneodo 92 p,pt
$\bar{K}^0 \mu^+$ X		Amaudruz 91E p,pt
490 Adams 94D mass,mult,p,pt		Arneodo 94 p,pt
$\phi(1020) \mu^+$ X + $\rho^0 \mu^+$ X		$n \mu^+$ X
470 Fang 94 a-dep,cs,p		470 Adams 95D mult,p

μ^+ Pb \rightarrow μ^+ 2jet X π^\pm nucleus \rightarrow B X

μ^+ Pb	unspec nucleus	hadron ⁺ nucleus
μ^+ 2jet X	mult[γ] mult[hadron] X > 10 ⁵ Baradzei 91 col,p,pt 4 · 10 ⁵ - 3 · 10 ⁶ Borisov 94 col,p,pt > 4 · 10 ⁵ Baradzei 93	Λ π^\pm X 200 Brick 92 mult p Λ X 200 Brick 92 mult
μ^+ hadron ⁺ hadron ⁻ X 490 Salgado 93 p Salgado 93B cs	10 ⁷ Ivanenko 92 ang,col,p,pt p,pt	hadron ⁻ p
ρ^0 μ^+ fragt (fragts) 490 Adams 95G mass	mult[μ] mult[shower] X > 3 · 10 ⁹ Yoshida 95 cs,p 1.7 · 10 ¹¹ - 2.6 · 10 ¹¹ Hayashida 94 cs,p	hadron ⁺ X 140 Apsimon 90C p π^0 X 140 Apsimon 90C p
Pb μ^+ hadron ⁺ hadron ⁻ (neutrals) 490 Kotwal 94B mass	2 μ^\pm mult[μ] X ? Bloise 93 ang	meson ⁺ p
Pb ρ^0 μ^+ 465 Schellman 94 a-dep,angp	4 γ charged X > 1000 Asakimori 94 ang,p	2charged ⁺ mult[charged] X 250 Aivazyan 91 cor,p
490 Kotwal 94B a-dep,angp	20 μ^\pm X > 2 · 10 ⁵ Adarkar 91 p	charged ⁺ charged ⁻ mult[charged] X 250 Aivazyan 91 cor,p
500 Conrad 95 a-dep,angp,cs	hadron p	2charged ⁻ mult[charged] X 250 Aivazyan 91 cor,p
Pb $\phi(1020)$ μ^+ 465 Schellman 94 a-dep,angp	mult[charged] (neutrals) (22 - 630) Buschbeck 91 angp,col,mult,p,pt	3charged X 250 Aivazyan 91 cor,p,pt
Pb μ^+ charged ⁺ charged ⁻ 465 Schellman 94 mass	hadron nucleus	3charged ⁺ X 250 Aivazyan 91 cor,p,pt
q q	mult[γ] mult[hadron] X 10 ⁵ - 6.2 · 10 ⁶ Kopenkin 94 col,p,pt > 10 ⁵ Baradzei 91 col,p,pt 4 · 10 ⁵ - 3 · 10 ⁶ Borisov 94 col,p,pt > 4 · 10 ⁵ Baradzei 93 ang,col,p,pt	2charged ⁺ charged ⁻ X 250 Aivazyan 91 cor,p
2q (< 1800) Zanetti 93 const Flaugher 92B const Incagli 92 const	hadron Mg	3charged ⁻ X 250 Aivazyan 91 cor,p,pt
q \bar{q}	mult[p] X 100 Whitmore 94 mult	meson ⁺ Al
e ⁻ e ⁺ (< 1800) Sinervo 92 const Yeh 92 const Gold 91 const	p X 100 Whitmore 94 angp	2charged ⁺ X 250 Botterweck 90 cor,p,pt
μ^- μ^+ (< 1800) Sinervo 92 const Abe 91H const Gold 91 const	hadron Ag	2charged ⁻ X 250 Botterweck 90 cor,p,pt
q \bar{q} (< 1800) Sinervo 92 const Yeh 92 const	mult[p] X 100 Whitmore 94 mult	mult[shower] 2charged X 250 Botterweck 90 cor,p
dark nucleus	p X 100 Whitmore 94 angp	meson ⁺ Au
nucleus dark ? Beck 94 cs	hadron Au	2charged ⁺ X 250 Botterweck 90 cor,p,pt
dark ¹⁶ O	mult[p] X 100 Whitmore 94 mult	2charged ⁻ X 250 Botterweck 90 cor,p,pt
X 0 Snowdenift 95 cs	p X 100 Whitmore 94 angp	mult[shower] 2charged X 250 Botterweck 90 cor,p
dark ²⁷ Al	hadron Pb	π^\pm p
X 0 Snowdenift 95 cs	inelastic > 6300 Arisawa 94 cs	ρ^0 X 80 - 140 Apsimon 92B cs
dark ²⁸ Si	chiron X > 10 ⁵ Arisawa 94 cs	f ₀ (975) X 80 - 140 Apsimon 92B cs
X 0 Snowdenift 95 cs	hadron ⁺ p	f ₂ (1270) X 80 - 140 Apsimon 92B angp,cs,p,pt
dark ³⁹ KK	mult[charged] (neutrals) 147 Arena 92 col,mult,p,pt	2jet X 160 - 380 Naples 94 a-dep,ang,pt
unspec nucleus	hadron ⁻ X 140 Apsimon 90C p	π^+ π^- X 80 - 140 Apsimon 92B mass
mult[charged] X < 10 ¹¹ Carrel 94 cor	π^0 X 140 Apsimon 90C p	(jets) 2jet X 200 - 300 Adams 94 p
mult[γ] X 10 ⁷ Ivanenko 92 p,pt	hadron ⁺ nucleus	π^\pm nucleus
unspec X > 1000 Asakimori 94 - > 10 ¹¹ Carrel 94 cs	K ⁰ mult[grey] X + \bar{K}^0 mult[grey] X 200 Brick 92 cor,mult,p,pt	D X 600 Lipton 92 a-dep,p,pt
shower X 10 ⁴ - 10 ⁸ Adamov 93 p	K ⁰ π^\pm X + \bar{K}^0 π^\pm X 200 Brick 92 mult	D ⁺ X 250 Rossi 91 a-dep
mult[e ⁻] mult[γ] X > 10 ⁶ Avakyan 93 angp,mult	p K ⁰ X + p \bar{K}^0 X 200 Brick 92 mult	D ⁰ X 250 Rossi 91 a-dep
mult[γ] mult[hadron] X 10 ⁵ - 6.2 · 10 ⁶ Kopenkin 94 col,p,pt	Λ mult[grey] X 200 Brick 92 cor,mult,p,pt	B X 600 Lipton 92 cs,p,pt

π^\pm deuteron \rightarrow 2jet X $\pi^+ p \rightarrow$ 3charged $^-$ X

π^\pm deuteron	$\pi^+ p$	$\pi^+ p$
2jet X 160 - 380 Naples 94 a-dep,ang,pt	mult[charged] (neutrals) Ajinenko 90C col,mass,mult,p,pt	charged $^+$ charged $^-$ X Ajinenko 94 ang,col,cor,mass,pt
π^\pm Be	charged X 250 Agababayan 94 p,pt Agababayan 94D cs,mult,pt	Agababayan 93C col,cor,mass Ajinenko 93 ang,cor,p,pt
2jet X 160 - 380 Naples 94 a-dep,ang,pt	γ X 250 Botterweck 91 cs,p,pt	Charlet 93 col Kittel 93 col Aivazyan 91 cor,p
π^\pm C	$\pi^+ X$ 0.1001 - 0.1202 Joram 95 angp Joram 95B mass	2charged $^-$ X 250 Agababayan 95D ang,cor,p Agababayan 94B ang,col
2jet X 160 - 380 Naples 94 a-dep,ang,pt	0.1 - 0.1545 Apsimon 91 p,pt Atayan 91 cs,p,pt	Ajinenko 94 ang,col,cor,mass,pt Agababayan 93C col,cor,mass
π^\pm Al	$\pi^0 X$ 80 - 140 250 Apsimon 91 p,pt Atayan 91 cs,p,pt	Ajinenko 94 ang,col,cor,mass,pt Agababayan 93C col,cor,mass
π^\pm Ti	η X 10.64 Budagov 91 a-dep,p,pt 80 - 140 Apsimon 92 p,pt 250 Atayan 91 cs,p 280 Durieux 91 p,pt	Ajinenko 93 ang,cor,p,pt Charlet 93 col Kittel 93 col Aivazyan 91 cor,p
$p \pi^\pm X$ 1.4 Bayukov 94 angp,cor,p	$\rho^0 X$ 80 Apsimon 91B angp,cs,p,pt 80 - 140 Hofmann 91 p,pt	2 γ X 250 Atayan 91 mass
deuteron $\pi^\pm X$ 1.4 Bayukov 94 angp,cor,p	$f_2(1270) X$ 80 - 140 Fiedler 91 cs,p,pt	DD < mult[charged] (neutrals) > π^+ 250 Begalli 92 mass,mult
π^\pm Fe	$K^*(892)^0 X$ 80 - 140 Apsimon 93 angp,p,pt Gebert 92 cs,p,pt	$\pi^+ \pi^- X$ 80 - 140 Fiedler 91 mass
$\pi^0 X$ 500 - 5000 Avakyan 91B p Avakyan 91C p	$\bar{K}^*(892)^0 X$ 80 - 140 Apsimon 93 angp,p,pt Gebert 92 cs,p,pt	2 $\pi^- X$ 250 Agababayan 95B ang,cor,p,pt Agababayan 95C ang,cor,p,pt Agababayan 93 angp,cor
$p \pi^\pm X$ 1.4 Bayukov 94 angp,cor,p	$\phi(1020) X$ 80 - 140 Apsimon 93 angp,p,pt Gebert 92 cs,p,pt	$K^+ \pi^- X$ 80 - 140 Gebert 92 mass
deuteron $\pi^\pm X$ 1.4 Bayukov 94 angp,cor,p	ΛX 3.6 - 6.2 Bulekov 94 p,pol,pt 4.23 Amelin 92 mass,p,pol,pt	$K^- \pi^+ X$ 80 - 140 Gebert 92 mass
π^\pm Cu	250 Agababayan 90B angp,p charged (charged) X 250 Agababayan 94 cor,p,pt Agababayan 94D ang,col,p,pt	$K^+ K^- X$ 80 - 140 Gebert 92 mass
2jet X 160 - 380 Naples 94 a-dep,ang,pt	2charged X 250 Agababayan 95D ang,cor,p Agababayan 94B ang,col	DD < mult[charged] (neutrals) > p 250 Begalli 92 mass,mult
π^\pm Pb	250 Agababayan 94C col,cor Agababayan 93C col,cor,mass Ajinenko 93 ang,cor,p,pt	2charged (charged) X 250 Agababayan 93C angp,col,p,pt Charlet 93 col Kittel 93 col
2jet X 160 - 380 Naples 94 a-dep,ang,pt	2charged $^+$ X 250 Agababayan 95D ang,cor,p Agababayan 94B ang,col	3charged X 250 Agababayan 94B ang,col Agababayan 94C col,cor Agababayan 93C col,cor,mass
$\pi^+ \pi^-$ (0.3 - 1.9) Anisovich 95 angp,pwa	250 Agababayan 94B ang,col Agababayan 94C col,cor Ajinenko 94 ang,col,cor,mass,pt Agababayan 93C col,cor,mass Ajinenko 93 ang,cor,p,pt	3charged $^+$ X + 3charged $^-$ X 250 Agababayan 94C col,cor
π^+ nucleon	250 Agababayan 94B ang,col Agababayan 94C col,cor Ajinenko 94 ang,col,cor,mass,pt Agababayan 93C col,cor,mass Ajinenko 93 ang,cor,p,pt	3charged $^+$ X 250 Agababayan 94B ang,col Ajinenko 94 cor,mass Agababayan 93C col,cor,mass
$D^\pm X$ 250 Wallace 94 cs	250 Agababayan 95D ang,cor,p Agababayan 94B ang,col	2charged $^+$ charged $^-$ X 250 Agababayan 94B ang,col Ajinenko 94 cor,mass
$D^+ X + D^- X$ 250 Karchin 95 cs,p,pt	250 Agababayan 94C col,cor Ajinenko 94 ang,col,cor,mass,pt Agababayan 93C col,cor,mass Ajinenko 93 ang,cor,p,pt	charged $^+$ 2charged $^-$ X 250 Agababayan 94B ang,col Ajinenko 94 cor,mass
$D^0 X + \bar{D}^0 X$ 250 Karchin 95 cs,p,pt	250 Agababayan 94B ang,col Agababayan 94C col,cor Ajinenko 94 ang,col,cor,mass,pt Agababayan 93C col,cor,mass Ajinenko 93 ang,cor,p,pt	3charged $^-$ X 250 Agababayan 94B ang,col Ajinenko 94 cor,mass
$D_s^\pm X$ 250 Wallace 94 cs	250 Agababayan 94B ang,col Agababayan 94C col,cor Ajinenko 94 ang,col,cor,mass,pt Agababayan 93C col,cor,mass Ajinenko 93 ang,cor,p,pt	250 Agababayan 94B ang,col Ajinenko 94 cor,mass
$D_s^+ X + D_s^- X$ 250 Karchin 95 cs,p,pt	250 Agababayan 94B ang,col Agababayan 94C col,cor Ajinenko 94 ang,col,cor,mass,pt Agababayan 93C col,cor,mass Ajinenko 93 ang,cor,p,pt	250 Agababayan 94B ang,col Ajinenko 94 cor,mass
$K^*(892)^0 K^- X + \bar{K}^*(892)^0 K^+ X$ 250 Karchin 95 mass Wallace 94 mass	250 Agababayan 94B ang,col Agababayan 94C col,cor Ajinenko 94 ang,col,cor,mass,pt Agababayan 93C col,cor,mass Ajinenko 93 ang,cor,p,pt	250 Agababayan 94B ang,col Ajinenko 94 cor,mass
$\phi(1020) \pi^+ X + \phi(1020) \pi^- X$ 250 Karchin 95 mass Wallace 94 mass	250 Agababayan 94B ang,col Agababayan 94C col,cor Ajinenko 94 ang,col,cor,mass,pt Agababayan 93C col,cor,mass Ajinenko 93 ang,cor,p,pt	250 Agababayan 94B ang,col Ajinenko 94 cor,mass
$K^+ 2\pi^- X + K^- 2\pi^+ X$ 250 Karchin 95 mass Wallace 94 mass	250 Agababayan 94B ang,col Agababayan 94C col,cor Ajinenko 94 ang,col,cor,mass,pt Agababayan 93C col,cor,mass Ajinenko 93 ang,cor,p,pt	250 Agababayan 94B ang,col Ajinenko 94 cor,mass
$\pi^+ p$	250 Agababayan 94B ang,col Agababayan 94C col,cor	250 Agababayan 94B ang,col Ajinenko 94 cor,mass
mult[charged] X 147 Arena 95 mult 250 Aivazyan 91B col,p,pt Schmitz 91 angp,col,p,pt	charged $^+$ charged $^-$ X 250 Agababayan 95D ang,cor,p Agababayan 94B ang,col	250 Agababayan 94B ang,col Ajinenko 94 cor,mass
mult[charged] (neutrals) 147 Boca 92 col,mult,p 250 Agababayan 91 mult,p,pt	250 Agababayan 94B ang,cor,p Agababayan 94C col,cor	250 Agababayan 94B ang,col Ajinenko 94 cor,mass

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$\pi^+ p \rightarrow 3\text{charged}^- X$ $\pi^+ p \rightarrow p 2\pi^+ \pi^0 \pi^-$

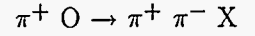
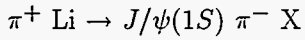
$\pi^+ p$	$\pi^+ p$	$\pi^+ p$
3charged ⁻ X Agababyan 93C col,cor,mass	$p \pi^+$ 0.427 - 0.657 Supek 93 angp,asym,pol	$n 2\pi^+$ 0.3957 Sossi 91 angp
DD < charged (charged) (neutrals) > π^+ 250 Begalli 92 mass,mult	1.43 Abaev 95 angp,asym,pol	$p \rho^0 \pi^+$ 4 Abramov 91 cs 4.2 Brovkin 91B cs 20 Perepelitsa 91 angp,cs,dme
2 π^- mult[charged] X 250 Agababyan 93 angp,cor,mult	< 2.135 Arndt 91 pwa 5.9 White 94B angp 6 Appel 91 cs 10 Appel 91 cs 147 Fuess 94C angp	$p \omega \pi^+$ 4.2 Brovkin 92 cs,mass
DD < charged (charged) (neutrals) > p 250 Begalli 92 mass,mult	DD < p > π^+ 147 Fuess 94C angp,cs	$p f_2(1270) \pi^+$ 4 Abramov 91 cs 20 Perepelitsa 91 angp,cs,dme
$p \pi^+$ mult[charged] (neutrals) 250 Agababyan 93B cs,mass,mult,p,pt	DD < π^+ > p 147 Fuess 94C angp,cs	$p f_1(1420) \pi^+$ 85 Armstrong 92 cs
$\Lambda K \pi X$ 3.6 - 4.2 Drutskoi 93 mass,pol	$p \rho^+$ 5.9 White 94B angp 6 Appel 91 cs 10 Appel 91 cs	$p \rho_3(1690)^0 \pi^+$ 20 Perepelitsa 91 angp,cs,dme
$\Sigma^+ K \pi X$ 3.6 - 4.2 Drutskoi 93 mass,pol	$p a_1(1260)^+$ 4.2 Brovkin 91B cs	$N(1440 B)^0 2\pi^+$ 4.2 Brovkin 91B cs
4charged X 250 Agababyan 94B ang,col	$p a_2(1320)^+$ 4.2 Brovkin 91B cs	$N(1700 B)^0 2\pi^+$ 4.2 Brovkin 91B cs
4charged ⁺ X + 4charged ⁻ X 250 Agababyan 94C col,cor	$N(1440 B)^+ \pi^+$ 4.2 Brovkin 91B cs	$\Delta(1232 P_{33})^{++} \pi^+ \pi^-$ 4 Abramov 91 cs 4.2 Brovkin 91B cs
4charged ⁺ X 250 Agababyan 94B ang,col	$\Delta(1232 P_{33})^{++} \pi^0$ 20 Perepelitsa 90 angp,cs,p	$\Delta(1232 P_{33})^0 2\pi^+$ 4.2 Brovkin 91B cs
3charged ⁺ charged ⁻ X 250 Agababyan 94B ang,col	$\Delta(1232 P_{33})^+ \pi^+$ 5.9 White 94B angp 6 Appel 91 cs 10 Appel 91 cs	$\Lambda K^+ \pi^+$ 4.23 Amelin 92 cs
2charged ⁺ 2charged ⁻ X 250 Agababyan 94B ang,col	$\Delta(1232 P_{33})^{++} \rho^0$ 3.94 Landsberg 94C cs 4 Abramov 91 cs Brovkin 91C cs 4.2 Brovkin 91B cs 20 Perepelitsa 90 angp,cs,dme,p	$\Sigma^+ K^+ \pi^0$ 3.6 - 4.2 Batusov 93 mass,pol,pt
charged ⁺ 3charged ⁻ X 250 Agababyan 94B ang,col	$\Delta(1232 P_{33})^{++} \omega$ 20 Perepelitsa 90 angp,cs,dme,p	$\Sigma^+ K^0 \pi^+$ 3.6 - 4.2 Batusov 93 mass,pol,pt
4charged ⁻ X 250 Agababyan 94B ang,col	$\Delta(1232 P_{33})^{++} f_2(1270)$ 3.94 Landsberg 94C cs 4 Abramov 91 cs 4.2 Brovkin 91B cs 20 Perepelitsa 90 angp,cs,dme,p	$\Sigma^+ K^*(892)^+ \pi^0$ 3.6 - 4.2 Batusov 93 cor
5charged X 250 Agababyan 94B ang,col	$\Delta(1232 P_{33})^{++} \rho_3(1690)^0$ 20 Perepelitsa 90 angp,cs,dme,p	$\Sigma^+ K^*(892)^0 \pi^+$ 3.6 - 4.2 Batusov 93 cor
5charged ⁺ X 250 Agababyan 94B ang,col	$\Delta(1700 D_{33})^+ \pi^+$ 4.2 Brovkin 91B cs	$N_{5/2}^*(1480)^{+++} \pi^0 \pi^-$ 3.94 Landsberg 94C cs
4charged ⁺ charged ⁻ X 250 Agababyan 94B ang,col	$\Sigma^+ K^+$ 3.6 - 4.2 Batusov 93 mass,pol,pt	$p \pi^+ 2\pi^0$ 250 Agababyan 93B cs,mass,p,pt
3charged ⁺ 2charged ⁻ X 250 Agababyan 94B ang,col	$\Sigma^+ K^*(892)^+$ 3.6 - 4.2 Batusov 93 cor	$p 2\pi^+ \pi^-$ 3.94 Landsberg 94C mass 4 Abramov 91 mass Brovkin 91C cs,mass Brovkin 91B cs,mass Perepelitsa 91 mass,p Armstrong 91 amp,mass,p
2charged ⁺ 3charged ⁻ X 250 Agababyan 94B ang,col	$N_{5/2}^*(1480)^{+++} \pi^-$ 3.94 Landsberg 94C cs	$\Delta(1700 D_{33})^- 3\pi^+$ 4.2 Brovkin 94 cs,mass
charged ⁺ 4charged ⁻ X 250 Agababyan 94B ang,col	$N_{5/2}^*(1760)^+ \pi^+$ 4.2 Brovkin 92 cs,mass	$\Lambda K^+ \pi^+ \pi^0$ 4.23 Amelin 92 cs
5charged ⁻ X 250 Agababyan 94B ang,col	$N_{5/2}^*(\text{unspec})^{+++} \pi^-$ 4 Abramov 91 cs Brovkin 91C cs	$\Lambda K^0 2\pi^+$ 4.23 Amelin 92 cs
$p \pi^+$ 0.0963 - 2.161 Arndt 95 angp,cs,pwa 0.1 - 0.1545 Joram 95B angp,pwa 0.1785 - 0.2411 Brack 95 angp 0.2258 - 0.3114 Friedman 91 angp,cs 0.2651 - 0.7263 Abaev 92 pwa	$p \pi^+ \pi^0$ 0.2986 - 0.3744 Pocanic 94 cs,mass	$\Sigma^+ K^+ \pi^+ \pi^-$ 3.6 - 4.2 Batusov 93 mass,pol,pt
	$n 2\pi^+$ 0.2875 - 0.3096 Seviar 93 amp,cs,pwa Seviar 91 cs	$\Sigma^+ K^0 \pi^+ \pi^0$ 3.6 - 4.2 Batusov 93 mass,pol,pt
		$\Sigma^+ K^*(892)^+ \pi^+ \pi^-$ 3.6 - 4.2 Batusov 93 cor
		$\Sigma^+ K^*(892)^0 \pi^+ \pi^0$ 3.6 - 4.2 Batusov 93 cor
		$p 2\pi^+ \pi^0 \pi^-$ 3.94 Landsberg 94C mass 4.2 Brovkin 92 cs,mass

$\pi^+ p \rightarrow p 2\pi^+ \pi^0 \pi^-$

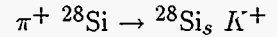
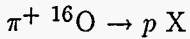
$\pi^+ \text{Li} \rightarrow J/\psi(1S) \pi^0 X$

$\pi^+ p$	π^+ nucleus	$\pi^+ {}^3\text{He}$
$p 2\pi^+ \pi^0 \pi^-$ 85 Brovkin 91B cs,mass Armstrong 91 amp,mass,p	nucleus π^- > 0.06642 Johnson 93 angp,cs < 0.4168 Bilger 93 angp,cs	inelastic 0.1904 Khandaker 91 cs $\pi^+ X$ 0.1904 Khandaker 91 angp,p $\pi^0 X$ 0.3584 Dowell 95 angp,p $p \pi^0 X$ 0.3584 Dowell 95 angp,p
$n 3\pi^+ \pi^-$ 4.2 Brovkin 91B cs,mass	π^+ deuteron X 0.1161 - 0.1496 Saunders 96 a-dep,cs	${}^3\text{He} \pi^+$ 0.1904 Khandaker 91 angp,cs 0.1947 Hausser 91 angp,asym 0.2445 - 0.3701 Matthews 95 angp
$p K^+ K_S \pi^+ \pi^-$ 85 Armstrong 92 mass	inelastic 0.1161 - 0.1496 0.1904 Khandaker 91 cs	$3p$ 0.1082 Hahn 94 angp,cs 0.2165 - 0.3519 0.2189 - 0.3637 Altelholz 94 cs,p Maytalbeck 92 pol
$p K_S K^- 2\pi^+$ 85 Armstrong 92 mass	$\pi^+ X$ 0.1904 Khandaker 91 angp,p	$\pi^+ {}^4\text{He}$ inelastic 0.1904 Khandaker 91 cs $\pi^+ X$ 0.1904 Khandaker 91 angp,p $p X$ 0.2189 - 0.3637 Aclander 93 pol
$\Lambda K^+ 2\pi^+ \pi^-$ 4.23 Amelin 92 cs	$\pi^0 X$ 0.6242 Peterson 95 angp	$\pi^+ \pi^- X$ 0.3957 Camerini 93 cor,mass Vetterli 92 angp,cs,p
$\Lambda K^0 2\pi^+ \pi^0$ 4.23 Amelin 92 cs	ηX 10.64 Budagov 91 a-dep,p,pt	$2p 0\pi^+ X$ 1 Nagae 94 angp
$\Sigma^+ K^+ \pi^+ \pi^0 \pi^-$ 3.6 - 4.2 Batusov 93 mass,pol,pt	dibaryon (2.115 - 3.02) Strakovskii 91 cs	$2p X$ 0.2189 - 0.3637 Aclander 93 p,pol Smith 93B angp,cs,mass,p mass
$\Sigma^+ K^0 2\pi^+ \pi^-$ 3.6 - 4.2 Batusov 93 mass,pol,pt	$2p$ 0 - 0.6242 Arndt 93 angp,cor,cs,pwa 0.03235 - 0.07838 Ritchie 93B angp,cs Ritchie 91 angp,cs,p Yeomans 94 ang,angp,p,pol	$p n 0\pi^+ X$ 1 Nagae 94 angp
$N_{5/2}^*(\text{unspec})^{--} 4\pi^+$ 4.2 Brovkin 94 cs,mass	0.0871 - 0.1496 Gogolev 93 cs	$p n X$ 1 Nagae 94 mass
$n 4\pi^+ 2\pi^-$ 4.2 Brovkin 94 cs,mass	0.2008 - 0.3691 Feltman 91 pol (2.115 - 3.02) Strakovskii 91 pwa 0.2165 - 0.3519 Altelholz 94 cs,p Salvisberg 92 angp,cs	${}^4\text{He} \pi^+$ 0.1904 Khandaker 91 angp,cs
$\pi^+ n$	0.2537 - 0.4168 Maytalbeck 92 pol Jones 93 p 0.32 - 0.4278 Prokofiev 95 angp,asym,pol	deuteron $2p$ 0.1482 - 0.4452 Breuer 94 angp,cs
$p \text{meson}^0$ 5.98 - 11.85 Svec 92 cs	0.4693 - 0.5728 Bazhanov 91 angp,cs,p,pol	${}^3\text{H} p \pi^+$ 0.2875 Langenbrunne 92 angp
$p \text{glueball}$ 5.98 - 11.85 Svec 92 cs	deuteron π^+ 0.0963 - 0.1496 Kohler 93 angp Kohler 94 angp,asym,pol	$3p n$ 0.2707 Weber 90 cor,cs,p 0.6242 Smith 93B angp,cs,mass,p
ΛK^+ 1.07 Ajimura 92 angp,pol 1.97 Abramov 91D angp,p,pol	0.1268 Kohler 94 angp	$\pi^+ \text{He}$ $\pi^+ \pi^- X$ 0.3957 Bonutti 93 cs
$p \pi^+ \pi^-$ 5.98 Svec 93 angp,dme,mass 5.98 - 11.85 Svec 93B mass,pwa Svec 92 mass,pwa Svec 91 pwa	0.1496 Kohler 91 angp 0.1904 Khandaker 91 angp,cs 0.1947 - 0.4105 Wessler 95 angp,p,pol (2.115 - 3.02) Strakovskii 91 pwa 0.5388 Gridnev 95 angp	$\pi^+ \text{Li}$ meson X 300 Antoniazzi 94B cs $\pi^+ X$ 0.6242 Wise 93 a-dep ηX 10.64 Budagov 91 a-dep,p,pt $h_c(1P) X$ 300 Antoniazzi 94B cs $J/\psi(1S) \gamma X$ 300 Garbincius 94 mass $J/\psi(1S) \pi^+ X$ 300 Antoniazzi 94B mass $J/\psi(1S) \pi^0 X$ 300 Antoniazzi 94B mass
$\pi^+ \Delta(1232 P_{33})^{++}$	$p n \pi^+$ 0.2353 - 0.34 Yeomans 95 angp,asym,p	
$N_{5/2}^*(\text{unspec})^{+++}$ 4 Brovkin 91C cs	$2p \pi^+ \pi^-$ 0.3957 Camerini 93 cor,mass Sossi 92 angp,p Sossi 91 angp	
nonres < $\Delta(1232 P_{33})^{++} \pi^+ >$ 4 Brovkin 91C cs	$\pi^+ {}^3\text{H}$ deuteron p 0.2177 - 0.4168 Salvisberg 92 angp,cs	
π^+ nucleus	${}^3\text{H} \pi^+$ 0.2445 - 0.3701 Matthews 95 angp	
mult[charged] X 200 Schmitz 91 col,p	${}^3\text{He} \pi^0$ 0.2445 Dowell 95B angp	
charged X 100 - 200 Geist 91 a-dep,mult	$2p n$ 0.2177 - 0.4168 Salvisberg 92 angp,cs,cs,p	
$\rho^0 X$ 100 Walker 91 mult		
ωX 100 Walker 91 mult		
$f_2(1270) X$ 100 Walker 91 mult		
$D^+ X$ 250 Alves 92B a-dep,p,pt		
$D^0 X$ 250 Alves 92B a-dep,p,pt		
$\bar{D}^0 X$ 250 Alves 92B a-dep,p,pt		
$D^- X$ 250 Alves 92B a-dep,p,pt		
$p X$ 0.2763 Lantsev 91 ang,cs,p		
$K^+ \pi^- X$ 1.07 Ajimura 92 angp,p		
$2p X$ 0.2763 Lantsev 91 ang,cs,p		
$\pi^+ \pi^- \text{mult[grey]} X$ 100 Walker 91 mass		

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

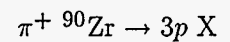
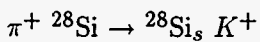


$\pi^+ \text{Li}$	$\pi^+ \text{Be}$	$\pi^+ {}^{12}\text{C}$
$J/\psi(1S) \pi^- X$ 300 Antoniazzi 94B mass	$D^\pm X$ 250 Alves 93B p,pt	ΛX 1.07 Kishimoto 94 angp,pol 4 Nakai 91 angp,p
$\psi(2S) \pi^+ X$ 300 Antoniazzi 94B mass	$D^+ X$ 250 Appel 94 cs,p Spiegel 91 a-dep	2neutral X 0.3637 - 0.6242 Jones 93 cs
$\psi(2S) \pi^- X$ 300 Antoniazzi 94B mass	$D^0 X$ 250 Spiegel 91 a-dep	$K^+ \pi^- X$ 1.07 Kishimoto 94 angp,p Ajimura 92 angp,p
$\mu^- \mu^+ \gamma X$ 300 Garbincius 94 mass	$D^- X$ 250 Appel 94 cs,p	$p \pi X$ 0.3637 - 0.6242 Jones 93 angp
$J/\psi(1S) 2\pi^+ X$ 300 Antoniazzi 94B mass	$D^*(2010)^\pm X$ 250 Gardner 95 mass Alves 93 mass Alves 93B p,pt	2p X 0.026 - 0.039 Akimov 91 angp,cs,p 0.07526 - 0.2422 Jones 92 angp 0.3637 - 0.6242 Jones 93 cs,p
$J/\psi(1S) \pi^+ \pi^0 X$ 300 Antoniazzi 94B mass	$D_s^+ X$ 250 Appel 94 cs,p	$\Lambda K^+ X$ 1 1.07 Olin 91 angp,pol Akei 91 angp,p
$J/\psi(1S) \pi^+ \pi^- X$ 300 Antoniazzi 94B mass	$D_s^- X$ 250 Appel 94 cs,p	deuteron p X 0.3637 - 0.6242 Jones 93 cs,p
$J/\psi(1S) \pi^0 \pi^- X$ 300 Antoniazzi 94B mass	$K^+ 2\pi^- X$ 250 Appel 94 mass	3neutral X 0.3637 - 0.6242 Jones 93 cs
$J/\psi(1S) 2\pi^- X$ 300 Antoniazzi 94B mass	$K^- 2\pi^+ X$ 250 Appel 94 mass	2hadron (hadrons) X 0.3637 - 0.6242 Jones 93 cs
$\pi^+ {}^6\text{Li}$	$K^+ K^- \pi^+ X$ 250 Appel 94 mass	p 2neutral X 0.3637 - 0.6242 Jones 93 cs
X 0.1161 - 0.1496 Saunders 96 a-dep,cs	$K^+ K^- \pi^- X$ 250 Appel 94 mass	2p neutral X 0.3637 - 0.6242 Jones 93 cs,p
inelastic 0.1161 - 0.1496 Saunders 96 a-dep,cs	$\pi^+ {}^9\text{Be}$	2p πX 0.3637 - 0.6242 Jones 93 cs
ΛX 1.07 Kishimoto 94 angp,pol	${}^9\text{Be}_s K^+$ 1.048 Pile 91 angp,p	3p X 0.3637 - 0.6242 Jones 93 cs,p
$K^+ \pi^- X$ 1.07 Kishimoto 94 angp,p	$\pi^+ \text{Bor}$	deuteron 2p X 0.3637 - 0.6242 Jones 93 cs,p
${}^4\text{He} 2p$ 0.1947 - 0.2707 Papandreou 95B angp,cs	$\text{Bor}_s K^+$ 1.06 Hasegawa 96 angp,cs,mass	2p 2neutral X 0.3637 - 0.6242 Jones 93 cs
$\pi^+ {}^7\text{Li}$	$\pi^+ {}^{10}\text{Bor}$	2p πX 0.3637 - 0.6242 Jones 93 cs
$J/\psi(1S) X$ 300 Sansoni 95 cs Antoniazzi 92 cs,mass Antoniazzi 92B cs,p,pt	${}^{10}\text{Bor}_s K^+$ 1.06 Nagae 95 angp	3p X 0.3637 - 0.6242 Jones 93 cs,p
$\chi_{c1}(1P) X$ 300 Sansoni 95 cs Antoniazzi 94 cs,p Antoniazzi 92 cs	$\pi^+ {}^{11}\text{Bor}$	deuteron 2p X 0.3637 - 0.6242 Jones 93 cs,p
$\chi_{c2}(1P) X$ 300 Sansoni 95 cs Antoniazzi 94 cs,p Antoniazzi 92 cs	$\Lambda K^+ X$ 1 Olin 91 angp,pol	2p 2neutral X 0.3637 - 0.6242 Jones 93 cs
$\psi(2S) X$ 300 Sansoni 95 cs Antoniazzi 92 cs Antoniazzi 92B cs	${}^{11}\text{Bor}_s K^+$ 1 1.05 Olin 91 angp,p Noumi 95 cs	${}^{12}\text{C}_s K^+$ 1 1.048 1.05 Olin 91 angp,p Pile 91 angp,p Kishimoto 95 cs,p,pol Noumi 95 cs Ajimura 94 cs Ajimura 92B angp,p Hasegawa 96 angp,cs,mass
$\mu^- \mu^+ X$ 300 Sansoni 95 mass Antoniazzi 92 mass Antoniazzi 92B mass	$\pi^+ \text{C}$	1.06 Hasegawa 95 cs,p Nagae 95 angp Akei 91 angp,p
$J/\psi(1S) \gamma X$ 300 Sansoni 95 mass Antoniazzi 94 mass Antoniazzi 92 mass	X 0.1161 - 0.1496 Saunders 96 a-dep,cs	1.07 Akei 91 angp,p
$\mu^- \mu^+ \gamma X$ 300 Sansoni 95 mass Antoniazzi 94 mass Antoniazzi 92 mass	inelastic 0.0963 Friedman 91B cs 0.1161 - 0.1496 Saunders 96 a-dep,cs	${}^{12}\text{Nit} \pi^0$ 0.08801 Hanna 94 angp,p
${}^7\text{Li}^* \pi^+ + {}^7\text{Li} \pi^+$ 0.2353 - 0.302 Meier 94 angp,p,pol	$\pi^+ X$ 0.6242 Wise 93 angp,p Zumbro 93 angp	$\pi^+ {}^{13}\text{C}$
$\pi^+ \text{Be}$	$\pi^0 X$ 0.6242 Peterson 92 angp,p	$\pi^0 X$ 0.2685 Gorgen 91 angp,asym
ηX 10.64 Budagov 91 a-dep,p,pt	ΛX 3 Smirnitsky 91 .pol Vorobiev 91 a-dep,angp,p,pol	${}^{13}\text{C} \pi^+$ 0.1947 Brack 91 angp,pol 0.2117 - 0.3433 Yen 91B angp,asym
$K_S X$ 11.2 Akimenko 92 a-dep,angp,p,pt	2p X 0.08907 - 0.1114 Akimov 92 cs,p	${}^{13}\text{Nit} \pi^0$ 0.08801 Hanna 94 angp,p
	$\pi^+ {}^{12}\text{C}$	$\pi^+ \text{O}$
	πX 0.3637 - 0.6242 Jones 93 cs	$\pi^+ \pi^- X$ 0.3957 Bonutti 93 cs
	$K^+ X$ 1.05 Ajimura 94 angp,mass,p	



$\pi^+ 16\text{O}$	$\pi^+ \text{Al}$	$\pi^+ \text{Al}$
$p X$ 0.2129 - 0.2707 Hyman 92 angp,p	charged ⁺ X 250 Yandarbiev 93 p Agababayan 90C angp,p,pt	$2\pi^- X$ 250 Agababayan 95B ang,cor,p,pt
$\pi^+ \pi^- X$ 0.3957 Camerini 93 cor,mass	charged ⁻ X 250 Yandarbiev 93 p,pt Agababayan 90C angp,p,pt	$\rho^0 \text{ mult[grey] X}$ 250 Ajinenko 92 mult
$16\text{O} \pi^+$ 0.2122 - 0.268 Hyman 92 angp	grey X 250 Agababayan 92 a-dep,angp	$K_S \text{ mult[charged}^- \text{] X}$ 250 Botterweck 92 mult
$16\text{O}_s K^+$ 1.048 Pile 91 angp,p	$\pi^+ X$ 0.6242 Wise 93 a-dep	$2K_S X$ 250 Botterweck 92 cs
$16\text{Ne} \pi^-$ 0.3259 - 0.3744 Beatty 93 angp	ηX 10.64 Budagov 91 a-dep,p,pt	$K^*(892)^0 \text{ mult[grey] X}$ 250 Ajinenko 92 mult
$16\text{O}_s \pi^-$ 0.4168 - 0.6242 Beatty 93C angp,p	$K_S X$ 250 Botterweck 92 a-dep,cs,mult,p,pt	$\bar{K}^*(892)^0 \text{ mult[grey] X}$ 250 Ajinenko 92 mult
$14\text{Nit } 2p$ 0.2129 - 0.2707 Hyman 92 ang,angp,cs,p	$D^\pm X$ 250 Alves 93B p,pt	$2p X$ 250 Agababayan 95 angp,cs,p
$14\text{Nit}^* 2p$ 0.2129 - 0.2707 Hyman 92 ang,angp,cs,p	$D^+ X$ 250 Appel 94 cs,p Spiegel 91 a-dep	$\Lambda \text{ mult[charged}^- \text{] X}$ 250 Botterweck 92 mult
$\pi^+ 18\text{O}$	$D^0 X$ 250 Spiegel 91 a-dep	$\Lambda K_S X$ 250 Botterweck 92 cs
$18\text{Ne} \pi^-$ 0.4693 - 0.5625 Johnson 93B angp,p	$D^- X$ 250 Appel 94 cs,p	$2\Lambda X$ 250 Botterweck 92 cs
$\pi^+ 20\text{Ne}$	$D^*(2010)^\pm X$ 250 Gardner 95 mass Alves 93 mass Alves 93B p,pt	$p \text{ fragt X}$ 250 Agababayan 95 angp,cs,p
$20\text{Ne}^* \pi^+$ 0.2189 - 0.2875 Burlein 95 angp,cs,p	$D_s^+ X$ 250 Appel 94 cs,p	$\pi^+ \pi^- \text{ mult[grey] X}$ 250 Ajinenko 92 mass,mult
$\pi^+ \text{Mg}$	$D_s^- X$ 250 Appel 94 cs,p	$(K_S\text{'s}) K_S \text{ mult[charged] (neutrals)}$ 250 Botterweck 92 mult
$\pi^+ X$ 100 Whitmore 94 mult,p,pt	$p X$ 250 Agababayan 95 angp,mult,p,pt Agababayan 92 p Botterweck 92 mult	$\text{mult[p]} K_S \text{ charged}^- X$ 250 Botterweck 92 mult
$\pi^- X$ 100 Whitmore 94 mult,p,pt	ΛX 250 Botterweck 92 a-dep,cs,mult,p,pt	$K^+ \pi^- \text{ mult[grey] X}$ 250 Ajinenko 92 mass,mult
$K^0 X + \bar{K}^0 X$ 200 Brick 92 a-dep,cs,mult,p	$\text{mult[charged}^+ \text{] mult[charged}^- \text{] X}$ 250 Agababayan 92 mult	$K^- \pi^+ \text{ mult[grey] X}$ 250 Ajinenko 92 mass,mult
$p X$ 100 Whitmore 94 mult,p	$\text{mult[p]} \text{ mult[charged] X}$ 250 Agababayan 91B angp,mult,p	$K^+ 2\pi^- X$ 250 Appel 94 mass
ΛX 200 Brick 92 a-dep,cs,mult,p	$\text{mult[deuteron] mult[charged] X}$ 250 Agababayan 91B angp,mult,p	$K^- 2\pi^+ X$ 250 Appel 94 mass
$\bar{\Lambda} X$ 200 Brick 92 a-dep,cs,mult,p	$\text{mult[deuteron] mult[p] X}$ 250 Agababayan 91B angp,mult,p	$K^+ K^- \pi^+ X$ 250 Appel 94 mass
$\pi^+ 26\text{Mg}$	$\text{mult[charged}^+ \text{] mult[charged}^- \text{] X}$ 250 Agababayan 92 mult	$K^+ K^- \pi^- X$ 250 Appel 94 mass
$26\text{Mg}^* \pi^+$ 0.2673 Clausen 93 angp,cs,p	$\text{mult[p]} \text{ mult[charged] X}$ 250 Agababayan 91B angp,mult,p	$p (K_S\text{'s}) K_S X$ 250 Botterweck 92 mult
$\pi^+ \text{Al}$	$\text{mult[deuteron] mult[p] X}$ 250 Agababayan 91B angp,mult,p	$\Lambda (\Lambda\text{'s}) \text{ mult[charged] (neutrals)}$ 250 Botterweck 92 mult
X 0.1161 - 0.1496 Saunders 96 a-dep,cs	$\text{mult[deuteron] mult[charged] X}$ 250 Agababayan 91B angp,mult,p	$\text{mult[p]} \Lambda \text{ charged}^- X$ 250 Botterweck 92 mult
inelastic 0.1161 - 0.1496 Saunders 96 a-dep,cs	charged ⁻ mult[charged ⁻] X 250 Agababayan 90C cor,mult,pt	$p \Lambda (\Lambda\text{'s}) X$ 250 Botterweck 92 mult
mult[charged] X 250 Botterweck 90 mult,p	mult[grey] charged X 250 Agababayan 92 mult,p	$\pi^+ 27\text{Al}$
mult[charged] (neutrals) 250 Botterweck 92 mult	mult[grey] charged ⁻ X 250 Agababayan 90C cor,mult,p	$27\text{Fl} \pi^-$ 0.1947 - 0.4099 Mckinzie 94 angp,p
mult[π^-] X 250 Agababayan 92 mult	2charged X 250 Botterweck 90 cor,p	$\pi^+ \text{Si}$
mult[deuteron] X 250 Agababayan 91B angp,mult,p	2charged ⁺ X 250 Botterweck 90 cor,p	X 0.1161 - 0.1496 Saunders 96 a-dep,cs
mult[grey] X 250 Agababayan 92 mult	2charged ⁻ X 250 Botterweck 90 cor,p	inelastic 0.1161 - 0.1496 Saunders 96 a-dep,cs
charged X 250 Agababayan 92 p	$\pi^- \text{ mult[grey] X}$ 250 Agababayan 92 mult,p	$\pi^+ 28\text{Si}$
		$28\text{Si} \pi^+$ 0.3749 Rawoolsulliv 94 angp
		$28\text{Si}_s K^+$ 1.048 Pile 91 angp,p

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.



$\pi^+ {}^{28}\text{Si}$	$\pi^+ {}^{58}\text{Ni}$	$\pi^+ \text{Cu}$
${}^{28}\text{Si}_s K^+$ 1.06 Hasegawa 96 Nagae 95 angp,cs,mas angp	2hadron (hadrons) X 0.3637 - 0.6242 Jones 93 cs	$D^*(2010)^\pm X$ 250 Gardner 95 Alves 93 Alves 93B mass mass p,pt
$\pi^+ \text{S}$	p 2neutral X 0.3637 - 0.6242 Jones 93 cs	$D_s^+ X$ 250 Appel 94 cs,p
X 0.1161 - 0.1496 Saunders 96 a-dep,cs	2p neutral X 0.3637 - 0.6242 Jones 93 cs,p	$D_s^- X$ 250 Appel 94 cs,p
inelastic 0.1161 - 0.1496 Saunders 96 a-dep,cs	2p π X 0.3637 - 0.6242 Jones 93 cs	$K^+ 2\pi^- X$ 250 Appel 94 mass
$\pi^+ \text{Ca}$	3p X 0.3637 - 0.6242 Jones 93 cs,p	$K^- 2\pi^+ X$ 250 Appel 94 mass
X 0.1161 - 0.1496 Saunders 96 a-dep,cs	deuteron 2p X 0.3637 - 0.6242 Jones 93 cs,p	$K^+ K^- \pi^+ X$ 250 Appel 94 mass
inelastic 0.1161 - 0.1496 Saunders 96 a-dep,cs	2p 2neutral X 0.3637 - 0.6242 Jones 93 cs	$K^+ K^- \pi^- X$ 250 Appel 94 mass
$\pi^+ X$ 0.6242 Wise 93 angp	${}^{58}\text{Ni} \pi^+$ 0.2875 Laymon 96 a-dep,angp,dme	$\pi^+ {}^{76}\text{Se}$
$\pi^+ {}^{40}\text{Ca}$	${}^{58}\text{Ni}^* \pi^+$ 0.2875 Laymon 96 a-dep,angp,dme	${}^{76}\text{Kr} \pi^-$ 0.4097 Hui 95 a-dep,cs,p
${}^{40}\text{Ca}_s K^+$ 1.048 Pile 91 angp,p	${}^{58}\text{Zn} \pi^-$ 0.2189 - 0.4084 Fortune 94 angp,cs	$\pi^+ \text{Se}$
$\pi^+ \text{Ti}$	$\pi^+ \text{Ni}$	$\text{Kr} \pi^-$ 0.232 - 0.302 Hui 94 angp,cs,p
2p $\pi^+ X$ 1.4 Bayukov 94 angp,cor,p	inelastic 0.0963 Friedman 91B cs	$\pi^+ {}^{78}\text{Se}$
2 π^\pm fragt X 1.39 Bayukov 91 p	$\pi^+ {}^{60}\text{Ni}$	${}^{78}\text{Kr} \pi^-$ 0.4097 Hui 95 a-dep,cs,p
$\pi^+ \pi^-$ fragt X 1.39 Bayukov 91 p	${}^{60}\text{Ni} \pi^+$ 0.2875 Laymon 96 a-dep,angp,dme	$\pi^+ {}^{80}\text{Se}$
$\pi^+ {}^{51}\text{Va}$	${}^{60}\text{Ni}^* \pi^+$ 0.2875 Laymon 96 a-dep,angp,dme	${}^{80}\text{Kr} \pi^-$ 0.4097 Hui 95 a-dep,cs,p
${}^{51}\text{Va}_s K^+$ 1.048 Pile 91 angp,p	$\pi^+ {}^{62}\text{Ni}$	$\pi^+ {}^{82}\text{Se}$
$\pi^+ {}^{56}\text{Fe}$	${}^{62}\text{Ni} \pi^+$ 0.2875 Laymon 96 a-dep,angp,dme	${}^{82}\text{Kr} \pi^-$ 0.4097 Hui 95 a-dep,cs,p
$\Lambda K^+ X$ 1.07 Akei 91 angp,p	${}^{62}\text{Ni}^* \pi^+$ 0.2875 Laymon 96 a-dep,angp,dme	$\pi^+ {}^{89}\text{Yt}$
${}^{56}\text{Fe}_s K^+$ 1.07 Akei 91 angp,p	$\pi^+ {}^{64}\text{Ni}$	${}^{89}\text{Yt}_s K^+$ 1.048 Pile 91 1.06 Hasegawa 96 angp,p angp,cs,mas angp
${}^{56}\text{Ni} \pi^-$ 0.5212 Smith 93C angp,p	${}^{64}\text{Ni} \pi^+$ 0.2875 Laymon 96 a-dep,angp,dme	$\pi^+ {}^{90}\text{Zr}$
$\pi^+ \text{Fe}$	${}^{64}\text{Ni}^* \pi^+$ 0.2875 Laymon 96 a-dep,angp,dme	πX 0.3637 - 0.6242 Jones 93 cs
2p $\pi^+ X$ 1.4 Bayukov 94 angp,cor,p	$\pi^+ {}^{68}\text{Ni}$	2neutral X 0.3637 - 0.6242 Jones 93 cs
2 π^\pm fragt X 1.39 Bayukov 91 p	${}^{68}\text{Ni} \pi^+$ 0.2875 Laymon 96 a-dep,angp,dme	2p X 0.3637 - 0.6242 Jones 93 cs,p
$\pi^+ \pi^-$ fragt X 1.39 Bayukov 91 p	${}^{68}\text{Ni}^* \pi^+$ 0.2875 Laymon 96 a-dep,angp,dme	deuteron p X 0.3637 - 0.6242 Jones 93 cs,p
$\pi^+ {}^{58}\text{Ni}$	$\pi^+ \text{Cu}$	3neutral X 0.3637 - 0.6242 Jones 93 cs
πX 0.3637 - 0.6242 Jones 93 cs	ηX 10.64 Budagov 91 a-dep,p,pt	2hadron (hadrons) X 0.3637 - 0.6242 Jones 93 cs
2neutral X 0.3637 - 0.6242 Jones 93 cs	$K_S X$ 11.2 Akimenko 92 a-dep,angp,p,pt	p 2neutral X 0.3637 - 0.6242 Jones 93 cs
p πX 0.3637 - 0.6242 Jones 93 angp	$D^\pm X$ 250 Alves 93B p,pt	2p neutral X 0.3637 - 0.6242 Jones 93 cs,p
2p X 0.3637 - 0.6242 Jones 93 cs,p	$D^+ X$ 250 Appel 94 Spiegel 91 a-dep	2p πX 0.3637 - 0.6242 Jones 93 cs
deuteron p X 0.3637 - 0.6242 Jones 93 cs,p	$D^0 X$ 250 Spiegel 91 a-dep	3p X 0.3637 - 0.6242 Jones 93 cs,p
3neutral X 0.3637 - 0.6242 Jones 93 cs	$D^- X$ 250 Appel 94 cs,p	

$\pi^+ {}^{90}\text{Zr} \rightarrow \text{deuteron } 2p \text{ X}$ $\pi^+ \text{ Au} \rightarrow p \text{ fragt X}$

$\pi^+ {}^{90}\text{Zr}$	$\pi^+ \text{ Xe}$	$\pi^+ \text{ Au}$
deuteron $2p \text{ X}$ 0.3637 - 0.6242 Jones 93 cs,p	nucleus (p 's) π^+ 2.34 - 9 Strugalskago 94 cs,mult	$K^0 \text{ X} + \bar{K}^0 \text{ X}$ 200 Brick 92 a-dep,cs,mult,p
$2p \text{ 2neutral X}$ 0.3637 - 0.6242 Jones 93 cs	nucleus p (p 's) 2.34 - 9 Strugalskago 94 cs	$K_S \text{ X}$ 250 Botterweck 92 a-dep,cs,mult,p,pt
$\pi^+ \text{ Zr}$	$\pi^+ {}^{139}\text{La}$	$p \text{ X}$ 100 Whitmore 94 mult,p 250 Agababyan 95 agnp,mult,p,pt
$\pi^+ \text{ X}$ 0.6242 Wise 93 angp	${}^{139}\text{La}_s K^+$ 1.06 Hasegawa 96 angp,cs,mass	Agababyan 92 p
$\pi^0 \text{ X}$ 0.6242 Peterson 92 angp,p	Nagae 95 angp	Botterweck 92 mult
$\pi^+ {}^{93}\text{Nb}$	$\pi^+ \text{ Ta}$	$\Lambda \text{ X}$ 200 Brick 92 a-dep,cs,mult,p
${}^{93}\text{Tc}^* \pi^-$ 0.2696 - 0.4102 Kagarlis 94 angp,p	$\pi^+ \text{ X}$ 0.6242 Wise 93 a-dep	250 Botterweck 92 a-dep,cs,mult,p,pt
$\pi^+ \text{ Ag}$	$D^\pm \text{ X}$ 250 Alves 93B p,pt	$\bar{\Lambda} \text{ X}$ 200 Brick 92 a-dep,cs,mult,p
$\pi^+ \text{ X}$ 100 Whitmore 94 mult,p,pt	$D^+ \text{ X}$ 250 Appel 94 cs,p	mult[charged ⁺] mult[charged ⁻] X 250 Agababyan 92 mult
$\pi^- \text{ X}$ 100 Whitmore 94 mult,p,pt	$D^0 \text{ X}$ 250 Spiegel 91 a-dep	mult[p] mult[charged] X 250 Agababyan 91B angp,mult,p
$K^0 \text{ X} + \bar{K}^0 \text{ X}$ 200 Brick 92 a-dep,cs,mult,p	$D^- \text{ X}$ 250 Appel 94 cs,p	mult[deuteron] mult[charged] X 250 Agababyan 91B angp,mult,p
$p \text{ X}$ 100 Whitmore 94 mult,p	$D^*(2010)^\pm \text{ X}$ 250 Gardner 95 mass Alves 93 mass Alves 93B p,pt	mult[deuteron] mult[p] X 250 Agababyan 91B angp,mult,p
$\Lambda \text{ X}$ 200 Brick 92 a-dep,cs,mult,p	$D_s^+ \text{ X}$ 250 Appel 94 cs,p	charged ⁻ mult[charged ⁻] X 250 Agababyan 90C cor,mult,pt
$\bar{\Lambda} \text{ X}$ 200 Brick 92 a-dep,cs,mult,p	$D_s^- \text{ X}$ 250 Appel 94 cs,p	mult[grey] charged X 250 Agababyan 92 mult,p
$\pi^+ {}^{118}\text{Sn}$	$K^+ 2\pi^- \text{ X}$ 250 Appel 94 mass	mult[grey] charged ⁻ X 250 Agababyan 90C cor,mult,p
$\pi \text{ X}$ 0.3637 - 0.6242 Jones 93 cs	$K^- 2\pi^+ \text{ X}$ 250 Appel 94 mass	2charged X 250 Botterweck 90 cor,p
2neutral X 0.3637 - 0.6242 Jones 93 cs	$K^+ K^- \pi^+ \text{ X}$ 250 Appel 94 mass	2charged ⁺ X 250 Botterweck 90 cor,p
$2p \text{ X}$ 0.3637 - 0.6242 Jones 93 cs,p	$K^+ K^- \pi^- \text{ X}$ 250 Appel 94 mass	2charged ⁻ X 250 Botterweck 90 cor,p
deuteron $p \text{ X}$ 0.3637 - 0.6242 Jones 93 cs,p	$\pi^+ \text{ Au}$	$\pi^- \text{ mult[grey] X}$ 250 Agababyan 92 mult,p
3neutral X 0.3637 - 0.6242 Jones 93 cs	mult[charged] X 250 Botterweck 90 mult,p	$2\pi^- \text{ X}$ 250 Agababyan 95B ang,cor,p,pt
$2\text{hadron (hadrons) X}$ 0.3637 - 0.6242 Jones 93 cs	mult[charged] (neutrals) 250 Botterweck 92 mult	$\rho^0 \text{ mult[grey] X}$ 250 Ajinenko 92 mult
$p \text{ 2neutral X}$ 0.3637 - 0.6242 Jones 93 cs	mult[π^-] X 250 Agababyan 92 mult	$K_S \text{ mult[charged}^- \text{] X}$ 250 Botterweck 92 mult
$2p \text{ neutral X}$ 0.3637 - 0.6242 Jones 93 cs,p	mult[deuteron] X 250 Agababyan 91B angp,mult,p	$2K_S \text{ X}$ 250 Botterweck 92 cs
$2p \text{ } \pi \text{ X}$ 0.3637 - 0.6242 Jones 93 cs	mult[grey] X 250 Agababyan 92 mult	$K^*(892)^0 \text{ mult[grey] X}$ 250 Ajinenko 92 mult
$2p \text{ } \pi \text{ X}$ 0.3637 - 0.6242 Jones 93 cs	charged X 250 Agababyan 92 p	$\bar{K}^*(892)^0 \text{ mult[grey] X}$ 250 Ajinenko 92 mult
$3p \text{ X}$ 0.3637 - 0.6242 Jones 93 cs,p	charged ⁺ X 250 Yandarbiev 93 p Agababyan 90C angp,p,pt	$2p \text{ X}$ 250 Agababyan 95 angp,cs,p
deuteron $2p \text{ X}$ 0.3637 - 0.6242 Jones 93 cs,p	charged ⁻ X 250 Yandarbiev 93 p,pt Agababyan 90C angp,p,pt	$\Lambda \text{ mult[charged}^- \text{] X}$ 250 Botterweck 92 mult
$2p \text{ 2neutral X}$ 0.3637 - 0.6242 Jones 93 cs	grey X 250 Agababyan 92 a-dep,angp	$\Lambda K_S \text{ X}$ 250 Botterweck 92 cs
$\pi^+ \text{ Sn}$	$\pi^+ \text{ X}$ 100 Whitmore 94 mult,p,pt	$2\Lambda \text{ X}$ 250 Botterweck 92 cs
$\pi^+ \text{ X}$ 0.6242 Wise 93 a-dep	$\pi^- \text{ X}$ 100 Whitmore 94 mult,p,pt	$p \text{ fragt X}$ 250 Agababyan 95 angp,cs,p

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$\pi^+ \text{Au} \rightarrow \pi^+ \pi^- \text{mult[grey]} X$ $\pi^- p \rightarrow \pi^0 X$

$\pi^+ \text{Au}$	$\pi^+ {}^{208}\text{Pb}$	$\pi^- \text{nucleon}$
$\pi^+ \pi^- \text{mult[grey]} X$ 250 Ajinenko 92 mass,mult	${}^{208}\text{Pb}_s K^+$ Nagae 95 angp	nucleon $\pi(1770)^-$ Berdnikov 94B cs
$(K_S^0) K_S \text{mult[charged]} (\text{neutrals})$ 250 Botterweck 92 mult	$\pi^+ U$	nucleon $\eta \pi^-$ 37 Achasov 94 angp,pwa Zaitsev 94 angp,mass,pwa
$\text{mult}[p] K_S \text{charged}^- X$ 250 Botterweck 92 mult	$\pi^+ X$ 0.6242 Wise 93 a-dep	nucleon $\eta' \pi^-$ 37 Achasov 94 angp,pwa Zaitsev 94 angp,mass,pwa
$K^+ \pi^- \text{mult[grey]} X$ 250 Ajinenko 92 mass,mult	$\pi^- e^-$	nucleon $f_0(975) \pi^-$ 36.6 Berdnikov 94 mass,pwa Berdnikov 94B mass,pwa
$K^- \pi^+ \text{mult[grey]} X$ 250 Ajinenko 92 mass,mult	$\pi^- e^-$ 300 Buenerd 92 angp	nucleon $f_2(1270) \pi^-$ 36.6 Berdnikov 94B mass,pwa
$p (K_S^0) K_S X$ 250 Botterweck 92 mult	$\pi^- \text{nucleon}$	nucleon $f_1(1285) \pi^-$ 37 Amelin 94 cs Zaitsev 94 cs
$\Lambda (\Lambda^0) \text{mult[charged]} (\text{neutrals})$ 250 Botterweck 92 mult	$\text{mult[charged]} X$ 360 Nanjo 92 mult,p	nucleon $f_0(1400) \pi^-$ 36.6 Berdnikov 94 mass,pwa
$\text{mult}[p] \Lambda \text{charged}^- X$ 250 Botterweck 92 mult	ηX 300 Prokoshkin 90 mass,p,pt	nucleon $K^*(892)^0 K^-$ 36.6 Berdnikov 94B mass,pwa
$p \Lambda (\Lambda^0) X$ 250 Botterweck 92 mult	$f_2(1520) X$ 300 Prokoshkin 90 cs	nucleon $K_2^*(1430)^0 K^-$ 36.6 Berdnikov 94B mass,pwa
$\pi^+ \text{Pb}$	$f_0(1590) X$ 300 Prokoshkin 90 cs	nucleon $\pi^+ 2\pi^-$ 36.6 Berdnikov 94 mass,pwa 37 Zaitsev 94 angp,mass,pwa
$\pi^+ X$ 0.6242 Wise 93 angp	$f_J(1710) X$ 300 Prokoshkin 90 cs	nucleon $\rho^0 \pi^- \gamma$ 37 Zaitsev 94 angp,mass,pwa
ΛX 3 Smirnitsky 91 pol Vorobiev 91 a-dep,angp,p,pol	$D^\pm X$ 250 Wallace 94 cs	nucleon $K^+ K^- \pi^-$ 36.6 Berdnikov 94 mass,pwa Berdnikov 94B mass,pwa
$\pi^+ \pi^- X$ 0.3957 Bonutti 93 cs	$D^+ X + D^- X$ 250 Karchin 95 cs,p,pt	nucleon $\pi^+ 2\pi^- \gamma$ 37 Amelin 94 mass,pwa
$\pi^+ {}^{208}\text{Pb}$	$D^0 X + \bar{D}^0 X$ 250 Karchin 95 cs,p,pt	nucleon $\eta \pi^+ 2\pi^-$ 37 Zaitsev 94 angp,mass,pwa
πX 0.3637 - 0.6242 Jones 93 cs	$D_s^\pm X$ 250 Wallace 94 cs	nucleon $K^+ K^- \pi^- \gamma$ 37 Amelin 94 mass,pwa
$2\text{neutral} X$ 0.3637 - 0.6242 Jones 93 cs	$D_s^+ X + D_s^- X$ 250 Karchin 95 cs,p,pt	nucleon $\pi^+ 2\pi^- 2\gamma$ 37 Amelin 94 mass,pwa
$\pi^+ \pi^- X$ 0.3957 Camerini 93 cor,mass	$2\text{charged} X$ 200 Belaga 94B cor,p	nucleon $K^+ K^- \pi^- 2\gamma$ 37 Amelin 94 mass,pwa
$p \pi X$ 0.3637 - 0.6242 Jones 93 angp	$K^*(892)^0 K^- X + \bar{K}^*(892)^0 K^+ X$ 250 Karchin 95 mass Wallace 94 mass	nucleon $\pi^+ 2\pi^- 2\gamma$ 37 Amelin 94 mass,pwa
$2p X$ 0.3637 - 0.6242 Jones 93 cs,p	$\phi(1020) \pi^+ X + \phi(1020) \pi^- X$ 250 Karchin 95 mass Wallace 94 mass	nucleon $K^+ K^- \pi^- 2\gamma$ 37 Amelin 94 mass,pwa
$\text{deuteron } p X$ 0.3637 - 0.6242 Jones 93 cs,p	$\text{charm charm } X$ 350 Aoki 91B cs	$\pi^- p$
$3\text{neutral} X$ 0.3637 - 0.6242 Jones 93 cs	$\text{bottom bottom } X$ 600 Kodama 93 ang,cs,p Kwan 93 ang,cs,p	X 0.2259 - 0.3314 Friedman 93 cs Landsberg 94C cs
$2\text{hadron (hadrons)} X$ 0.3637 - 0.6242 Jones 93 cs	$3\text{charged} X$ 200 Belaga 94B cor,p	$\text{neutral (neutrals)}$ 0.2259 - 0.3314 Friedman 93 cs
$p 2\text{neutral} X$ 0.3637 - 0.6242 Jones 93 cs	$(\text{showers}) 2\text{shower } X$ 200 Belaga 95F ang,col,cor Belaga 94C ang,col,cor	γX 0 Sigg 95 p 280 Banerjee 92 p,pt Durieux 91 p
$2p \text{neutral} X$ 0.3637 - 0.6242 Jones 93 cs,p	$K^+ 2\pi^- X + K^- 2\pi^+ X$ 250 Karchin 95 mass Wallace 94 mass	$\pi^+ X$ 40 Turchanovich 93 angp,pt
$2p \pi X$ 0.3637 - 0.6242 Jones 93 cs	$4\text{charged} X$ 200 Belaga 94B cor,p	$\pi^0 X$ 0.095 Meijerdrees 92 - 40 Yokosawa 91 asym,pt 80 - 140 Apsimon 91 p,pt 280 Durieux 91 p
$3p X$ 0.3637 - 0.6242 Jones 93 cs,p	$5\text{charged} X$ 200 Belaga 94B cor,p	
$\text{deuteron } 2p X$ 0.3637 - 0.6242 Jones 93 cs,p	$5\text{charged (charged)} X$ 360 Nanjo 92 col,p	
$2p 2\text{neutral} X$ 0.3637 - 0.6242 Jones 93 cs	$7\text{charged} X$ 200 Belaga 94B cor,p	
${}^{208}\text{Pb}_s K^+$ 1.06 Hasegawa 96 angp,cs,mass	nucleon $a_2(1320)^-$ 37 Achasov 94 cs Zaitsev 94 cs	
	nucleon $\pi_2(1670)^-$ 37 Zaitsev 94 cs	
	nucleon $X(1750)^-$ 37 Zaitsev 94 cs	
	nucleon $\pi(1770)^-$ 36.6 Berdnikov 94 cs	

$\pi^- p \rightarrow \pi^- X$

$\pi^- p \rightarrow n \rho^0$

$\pi^- p$	$\pi^- p$	$\pi^- p$
$\pi^- X$ 0.1001 - 0.1202	ΛX 3.95	$p K^+ \bar{K}^0 2\pi^-$ (neutrals) 16
0.1 - 0.1545	$\Lambda_c X$ 230	Landsberg 94C mass,p Lazanu 93 mass,p Karnaukhov 92 mass,p
40	$\Xi_c(2460)^+ X$ 230	$p K^0 K^- \pi^+ \pi^-$ (neutrals) 16
ηX	$\Xi_c(2460)^0 X$ 230	Landsberg 94C mass,p Lazanu 93 mass,p Karnaukhov 92 mass,p
80 - 140	$\Xi_c(2460)^- X$ 230	$p K^+ K_S 2\pi^-$ (neutrals) 16
280	γ (hadrons) X 280	Karnaukhov 95C ang,mass
$\rho^0 X$	$2\gamma X$ 40	Λ 2charged ⁺ 2charged ⁻ X 16
38	π^0 (hadrons) X 280	Karnaukhov 95 mass
80	π^- mult[charged] X 40	5charged (charged) X 40
80 - 140	$2\pi^+ X$ 38	Zhumanov 94 angp,col,cor,p
$f_2(1270) X$	$\pi^+ \pi^- X$ 38	$(\pi p)^*_{atom}$ 0
80 - 140	(8.7) 80 - 140	Sigg 95 -
$\pi(1770)^- X$	$2\pi^- X$ 38	baryon meson ⁰ 16
40	K^0 mult[charged] X 40	Landsberg 94C - Lazanu 93 - Karnaukhov 92 -
$X(1814)^- X$	$K^+ \pi^- X$ (8.7) 80 - 140	$n \gamma$ 0.09
40	$K^- \pi^+ X$ (8.7) 80 - 140	Dress 94 cs Farzanpay 92 cs
$K^+ X$	$K^+ K^- X$ (8.7) 80 - 140	0.1947 - 0.3637
40	charm charm X 360	Stasko 94 angp,asym Kim 91 angp,asym
$K^- X$	$D \bar{D} X$ 230	0.301 - 0.625
40	$D_s^- D X$ 230	Aoyagi 93 - Lee 94 cs
$K^*(892)^0 X$	p mult[charged] X 40	n meson ⁰ 0.095
80 - 140	$n \gamma X$ 0.09	Meijerdrees 92B cs Svec 93B cs Fukui 91 angp Svec 92 cs Donskov 95 angp,cs Alde 91G cs Samoylenko 91 cs Landsberg 90 cs,pwa Baloshin 95 cs Palano 92 - Landsberg 90 cs
$\bar{K}^*(892)^0 X$	Λ mult[charged] X 40	0.381 - 0.625
80 - 140	$\bar{\Lambda}_c^- D X$ 230	6.3
$K^*(unspec)^+ X$	$\bar{\Lambda}_c^- D X$ 230	18
16	Λ mult[charged] X 40	p meson ⁻ 6.3
$K^*(unspec)^0 X$	$\bar{\Lambda}_c^- D X$ 230	18
16	Λ mult[charged] X 40	n meson ⁰ 0.095
$\phi(1020) X$	$\bar{\Lambda}_c^- D X$ 230	5.98 - 11.85
80 - 140	Λ mult[charged] X 40	8.95
$D(unspec) X$	$\bar{\Lambda}_c^- D X$ 230	17.2
200 - 230	Λ mult[charged] X 40	38
340	$\bar{\Lambda}_c^- D X$ 230	$p \pi^-$ 0
360	Λ mult[charged] X 40	0.0963 - 2.161
$D^\pm X$	$\bar{\Lambda}_c^- D X$ 230	0.1 - 0.1545
250	Λ mult[charged] X 40	Joram 95B angp,pwa 0.1785 - 0.2411
$D X$	$\bar{\Lambda}_c^- D X$ 230	Brack 95 angp
340	Λ mult[charged] X 40	0.2259 - 0.3314
360	$\bar{\Lambda}_c^- D X$ 230	Friedman 93 cs
$D^+ X$	Λ mult[charged] X 40	0.2651 - 0.7263
230	$\bar{\Lambda}_c^- D X$ 230	Abaev 92 pwa Supek 93
340	Λ mult[charged] X 40	0.427 - 0.657
$D^0 X$	$\bar{\Lambda}_c^- D X$ 230	0.573 - 0.726
230	Λ mult[charged] X 40	Lopatin 94 angp,asym,pol Takahashi 95 angp,cs
$\bar{D} X$	$\bar{\Lambda}_c^- D X$ 230	0.7365 - 1.025
340	Λ mult[charged] X 40	0.9 - 2
$D^- X$	$\bar{\Lambda}_c^- D X$ 230	Abramov 91C angp Arndt 91 pwa
340	Λ mult[charged] X 40	5.75 - 13.02
$D^*(2010) X$	$\bar{\Lambda}_c^- D X$ 230	Landsberg 94C angp White 94B angp
230	Λ mult[charged] X 40	6
$D_s^\pm X$	$\bar{\Lambda}_c^- D X$ 230	Appel 91 cs Appel 91 cs
230	Λ mult[charged] X 40	10
baryon X	$\bar{\Lambda}_c^- D X$ 230	$n \pi^0$ 0
16	Λ mult[charged] X 40	0.095
baryon (neutrals)	$\bar{\Lambda}_c^- D X$ 230	0.2259 - 0.3314
16	Λ mult[charged] X 40	Friedman 93 cs Arndt 91 pwa Nurushev 91 asym,pt
$p X$	$\bar{\Lambda}_c^- D X$ 230	$p \rho^-$ 5.9
40	Λ mult[charged] X 40	6
$\bar{p} X$	$\bar{\Lambda}_c^- D X$ 230	10
40	Λ mult[charged] X 40	$n \rho^0$ 5.98 - 11.85
	$\bar{\Lambda}_c^- D X$ 230	17.2
	Λ mult[charged] X 40	Svec 93B dme,pol Anisovich 95 angp,dme

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$\pi^- p \rightarrow n \rho^0$ $\pi^- p \rightarrow n \omega \pi^0$

$\pi^- p$			$\pi^- p$			$\pi^- p$		
$n \rho^0$			$n \rho(1450)^0$			$N(1700 B)^+ \pi^-$		
32.5	Svec 93B	dme,pol	38	Sadovsky 94	cs	3.92	Aleshin 92B	cs
38	Victorov 95B	angp,cs	$n f_2'(1525)$			$\Delta(1232 P_{33})^+ \pi^-$	Aleshin 92C	cs
$n \omega$	Alde 93	-	40	Baloshin 95	cs	6	Appel 91	cs
38	Alde 94	cs	100	Palano 92	-	$\Delta(1232 P_{33})^- \pi^+$		
	Donskov 94	-	$n f_0(1590)$			5.9	White 94B	angp
	Sadovsky 94	-	100	Palano 92	-	6	Appel 91	cs
	Alde 93	-	$n f_2(1640)$			10	Appel 91	cs
$n \eta'$			36	Bitjukov 91D	cs	$\Delta(1232 P_{33})^0 X(1740)$		
32	Bitjukov 91B	-	$n \omega_3(1670)$			38	Kulik 94	-
32.5	Bitjukov 90	-	36	Amelin 95	cs		Sadovsky 94	cs
38	Landsberg 90	-	$n \rho_3(1690)$				Alde 91B	angp,cs
$n f_0(975)$			38	Alde 91G	-	ΛK^0	Alde 91F	ang,cs,p
38	Anisovich 95	angp,cs	$n \rho_3(1690)^0$			5.9	White 94B	angp
$p a_0(980)^-$	Alde 94B	angp,cs	17.2	Anisovich 95	angp,dme	$n f_0(995)$		
6	Matsuda 91	-	38	Alde 94C	cs	38	Anisovich 95	angp,cs
6.3	Aoyagi 93	-		Landsberg 94	cs		Alde 94B	angp,cs
$n a_0(980)^0$				Sadovsky 94	cs	$n \pi^0 \gamma$		
100	Palano 92	cs		Alde 92	cs	38	Alde 94	mass
$n h_1(1170)$				Landsberg 92	cs		Donskov 94	ang,angp,mass
8.06	Ando 90	angp	100	Landsberg 92B	cs	$n 2\pi^0$		
$n b_1(1235)$				Landsberg 90	cs,pwa	32.5 - 48	Achasov 93	angp,mass
8.95	Fukui 90	-		Alde 92	cs	38	Anisovich 95	mass,pwa
38	Alde 91G	-	$n \rho(1700)^0$	Landsberg 92B	cs		Kondashov 95	angp,mass,pwa
$n b_1(1235)^0$			38				Alde 94B	mass,pwa
8.95	Kinashi 91	cs	$n X(1740)$	Sadovsky 94	cs		Kondashov 94	mass,pwa
32.5	Victorov 95	cs	38	Kulik 94	-		Sadovsky 94	mass,pwa
38	Alde 92	cs	$n f_2(1810)$	Alde 91F	ang,cs,p		Achasov 93	mass
	Landsberg 92	cs	38			40	Achasov 93	mass
	Landsberg 92B	cs	$n \rho(1700)^0$	Kondashov 95	angp,cs	100	Achasov 93	angp,mass,pwa
100	Alde 92	cs	38	Sadovsky 94	cs	$n \pi^+ \pi^-$		
	Landsberg 92	cs	$n X(1910)$			0.295 - 0.45	Kernel 91	ang,mass
	Landsberg 92B	cs	36	Bitjukov 91D	cs	0.4	Muller 93	angp,cor,mass,p
$p a_1(1260)^-$			37	Berdnikov 92B	-	1.78	Alekseev 91	asym
40	Bolonkin 95	-	38	Sadovsky 94	cs	17.2	Anisovich 95	mass
$n a_1(1260)^0$			$n a_4(2040)^0$	Alde 91C	angp,cs		Achasov 93	mass
8.06	Ando 90	angp	38	Alde 95	angp,cs		Svec 93B	mass,pwa
$n f_2(1270)$			$n f_4(2050)$				Svec 92	mass,pwa
17.2	Anisovich 95	angp,dme	36	Bitjukov 91D	cs	32.5	Victorov 95B	mass,p
32.5 - 48	Achasov 93	angp	38	Kondashov 95	angp,cs	100 - 175	Achasov 93	angp,mass
38	Achasov 93	cs	$n \rho(2110)^0$	Sadovsky 94	cs	$p \eta \pi^-$		
	Kondashov 95	angp,cs	38			3.92	Aleshin 92C	cs
	Kondashov 94	cs		Sadovsky 94	cs	6	Matsuda 91	asym,mass
	Sadovsky 94	cs		Alde 92	cs	6.3	Aoyagi 94	ang,angp,cor,mass,pwa
	Achasov 93	mass		Landsberg 92	cs		Aoyagi 93	angp,asym,mass,p,pwa
40	Baloshin 95	cs	100	Landsberg 92B	cs	$n \eta \pi^0$		
	Achasov 93	angp,cs		Alde 92	cs	38	Alde 95	mass,pwa
100	Achasov 93	cs		Landsberg 92	cs		Donskov 95	angp,mass,pwa
100 - 175	Achasov 93	angp		Landsberg 92B	cs		Prokoshkin 94	angp,mass,pwa
$n f_1(1285)$			$n \rho(2150)^0$				Palano 92	mass
8.95	Fukui 91	angp	38	Alde 94C	cs	?	Burchell 92	-
32	Bitjukov 91B	-		Landsberg 94	cs	$n 2\eta$		
100	Donskov 95	cs	$n \rho(2350)^0$			38	Sadovsky 94	mass
$n \eta(1295)$			38	Alde 94C	cs	100	Palano 92	mass,pwa
8.95	Fukui 91	angp		Landsberg 94	cs		Burchell 92	-
100	Donskov 95	cs						
$p a_2(1320)^-$				Alde 94C	cs			
3.92	Aleshin 92B	cs	$n f_6(2510)$	Landsberg 94	cs			
6	Aleshin 92C	cs	38	Sadovsky 94	cs			
6.3	Matsuda 91	-						
	Aoyagi 94	-	$n \phi(1020)$					
	Aoyagi 93	-	32.5	Victorov 95B	angp,cs	$n \rho^0 \gamma$		
$n a_2(1320)^0$			$n \text{glueball}$			32	Bitjukov 91B	-
36	Amelin 95	cs	17.2	Svec 92	cs	$n \rho^0 \eta$		
38	Alde 91E	cs	22	Bertolotto 94	cs	8.95	Fukui 91	angp,mass,pwa
100	Prokoshkin 94	cs		Landsberg 90	-			
	Palano 92	cs		Palano 92	-	$p \omega \pi^-$		
$n \eta(1440)$						3.92	Aleshin 92C	cs
8.95	Fukui 91	angp	$n C(1480)^0$			8.95	Kinashi 91	angp,mass,pwa
100	Donskov 95	cs	8.95	Kinashi 91	cs		Fukui 90	angp,mass,pwa
$n \rho(1450)^0$			32.5	Donnachie 91	cs			
8.95	Kinashi 91	cs		Landsberg 91	cs			
	Fukui 90	-		Landsberg 90	angp,cs			

$\pi^- p \rightarrow n \omega \pi^0$ $\pi^- \text{ nucleus} \rightarrow D^+ X$

$\pi^- p$		$\pi^- p$		$\pi^- p$	
$n \omega \pi^0$ 38	Alde 94C mass,pwa Landsberg 94 ang,angp,mass,pwa Sadovsky 94 mass,pwa Alde 92 ang,angp,mass Landsberg 92 ang,angp,mass Landsberg 92B mass,pwa Alde 91G ang,angp,mass	$n 2\pi^0 \gamma$ 38	Alde 94 mass Alde 94C mass	$n 6\gamma$ 38	Alde 94 mass Sadovsky 94 mass Alde 91B angp,mass
100	Alde 92 ang,angp,mass Landsberg 92 ang,angp,mass Landsberg 92B mass,pwa Landsberg 91 -	$n \pi^+ \pi^- \gamma$ 32 32.5	Bityukov 91B ang,mass Bityukov 90 ang,mass	$n 2\pi^+ 2\pi^- 4\gamma$ 36 37	Bityukov 91D mass Berdnikov 92B mass
?	Landsberg 91 -	$n 3\pi^0$ 38	Alde 94 mass	$n 10\gamma$ 38	Sadovsky 94 mass
$n \omega \eta$ 38	Donskov 95 angp,mass,pwa Samoylenko 91 mass	$n \pi^+ \pi^0 \pi^-$ 8.06 36	Ando 90 mass,pwa Amelin 95 mass,pwa	$\pi^- n$	
$n 2\omega$ 36	Bityukov 91D mass,pwa	$n \eta \pi^0 \gamma$ 38	Samoylenko 91 mass	2shower X 340	Tufail 92 cor,p
$n \eta' \pi^0$ 38 100	Alde 91E mass Alde 91E mass	$n \eta 2\pi$?	Burchell 92 -	2charged (charged) X 40	Boos 95 col,cor,p
$n \eta' \eta$?	Burchell 92 -	$n \eta 2\pi^0$ 100	Donskov 95 amp,mass	$\pi^- \text{ nucleus}$	
$n 2\eta'$ 37	Berdnikov 92B cs,mass,p	$n \eta \pi^+ \pi^-$ 8.95	Fukui 91 angp,mass,pwa Landsberg 91 cs	$\mu^+ X$ 600	Garbincius 94 pt
$n a_0(980)^+ \pi^-$ 8.95	Fukui 91 angp,mass,pwa	$n K \bar{K} \pi$?	Burchell 92 -	mult[charged] X 200 - 350	Ghosh 93C mult,p
$n a_0(980)^0 \pi^0$ 100	Donskov 95 amp,mass	$n K^+ K^- \pi^0$ 32.5	Victorov 95 mass,p	mult[p] X 300	Drndarevic 95 mult
$n a_0(980)^- \pi^+$ 8.95	Fukui 91 angp,mass,pwa	$p K_S K_L \pi^-$ 40	Bolonkin 95 ang,angp,p,pwa	mult[shower] X 200 200 - 350	Ghosh 93D mult,p Ghosh 95B mult Ghosh 92C col Nasr 92 mult Ghosh 94 col,mult Cherry 94C mult
$p f_1(1285) \pi^-$ 18	Lee 94 mass,pwa	$n K^+ K^- \phi(1020)$ 22	Bertolotto 94 mass	mult[grey] X 300	Drndarevic 95 mult
$n K^+ K^-$ 32.5	Victorov 95B mass,p	$n 4\gamma$ 38	Alde 95 mass Anisovich 95 mass Donskov 95 mass Kondashov 95 mass Alde 94B mass Kondashov 94 mass Sadovsky 94 mass Achasov 93 mass Alde 91C angp,mass Prokoshkin 94 ang,mass	mult[htrack] X 525	Cherry 94C mult
$n 2K_S$ 38 40	Kulik 94 angp,cor,mass Baloshin 95 ang,cs,mass,pwa Burchell 92 -	$n \pi^+ \pi^- 2\gamma$ 8.95	Achasov 93 angp,mass Palano 92 mass	charged X 100 - 200	Geist 91 a-dep,mult
$n \phi(1020) \pi^0$ 32.5	Victorov 95 mass,p Donnachie 91 mass Landsberg 91 ang,mass,p Burchell 92 -	$p \pi^+ \pi^0 2\pi^-$ 3.92	Fukui 91 angp,mass	shower X 200 - 350 300	Ghosh 92C p Adamovich 93C a-dep,mult,p Tufail 91 p Cherry 94C mult,p
?	Burchell 92 -	$n \pi^+ 2\pi^0 \pi^-$ 8.95	Kinashi 91 mass Fukui 90 mass	grey X 525	Cherry 94C angp
$n 2\phi(1020)$ 22	Bertolotto 94 mass,pwa	$n 2\pi^+ 2\pi^-$ 4.35	Aleshin 94 mass	htrack X 525	Cherry 94C mult
$\Delta(1232 P_{33})^0 2\eta$ 38	Sadovsky 94 mass	$p K^+ K_S 2\pi^-$ 18	Lee 94 mass,pwa	black X 525	Cherry 94C angp
$\Delta(1232 P_{33})^0 2K_S$ 38	Sadovsky 94 mass	$n 2K^+ 2K^-$ 22	Bertolotto 94 mass	meson ⁻ X 40	Ivanshin 94 angp
$n e^- e^+ \gamma$ 0.09	Farzanpay 92 mass	$n 5\gamma$ 38	Donskov 95 mass Alde 94 mass Alde 94C mass Landsberg 94 ang,angp,mass Sadovsky 94 mass Alde 92 mass Landsberg 92 mass Landsberg 92B mass Alde 91G mass Samoylenko 91 mass Alde 92 mass Landsberg 92 mass Landsberg 92B mass	$\rho^0 X$ 100	Walker 91 mult
$n 3\gamma$ 38	Alde 94 mass Donskov 94 ang,angp,mass Sadovsky 94 mass	$p \pi^- 2\gamma$ 6 6.3	Matsuda 91 mass Aoyagi 93 mass	ωX 100	Walker 91 mult
				$f_2(1270) X$ 100	Walker 91 mult
				charm [±] X 350	Aoki 91B cs
				charm ⁰ X 350	Aoki 91B cs
				$D(\text{unspec}) X$ 250	Kwan 93 p,pt Alves 92 a-dep,p,pt Appel 92 cs Aoki 91C p,pt
				$D^\pm X$ 250	Kwan 93 p,pt Alves 92 a-dep,p,pt Appel 92 a-dep,p Kwan 93 cs,p,pt Kodama 92C cs,p,pt
				$D^+ X$ 250	Kwan 93 p,pt Alves 92 a-dep,p,pt

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

π^- nucleus $\rightarrow D^+ X$ π^- nucleus $\rightarrow \pi^+ \pi^-$ mult[grey] X

π^- nucleus		π^- nucleus		π^- nucleus		π^- nucleus	
$D^+ X$		$D_s^- X$		charm $\overline{\text{charm}} X$			
	Alves 92B a-dep,p,pt	340	Adamovich 94D -	320	Appel 92 a-dep		
	Thorne 92 a-dep,p,pt	500	Aitala 95 -	350	Aoki 91B cs		
340	Adamovich 94D -	$B^+ X$		$D^0 \pi^+ X$			
	Freyberger 94 -	600	Garbincius 94 cs,p,pt	500	Purohit 94 mass,p		
	Adamovich 93B -	$B^0 X$		600	Kodama 92C mass		
	Adamovich 93D -	600	Garbincius 94 cs,p,pt	$\overline{D}^0 \pi^+ X$			
		$\overline{B}^0 X$		500	Purohit 94 mass,p		
	Kwan 93 a-dep,p	600	Garbincius 94 cs,p,pt	$D \overline{D} X$			
	Adamovich 91E mult,p	$B^- X$		350	Aoki 91C ang,mass,p,pt		
500	Aitala 95 -	600	Garbincius 94 cs,p,pt	$D^+ \overline{D}^0 X$			
	Carter 94 p,pt	ΛX		350	Adamovich 95 ang,cor,pt		
	Carter 94B p,pt	2.9	Smirnitsky 91 pol		Kwan 93 ang		
	Nguyen 94 -	3.6 - 6.2	Bulekov 94 p,pol,pt				
	Kodama 95 -	4	Tomizawa 94 a-dep,cs	$D^0 \overline{D}^0 X$			
	Freyberger 94 -	$\eta \mu^+ X$		350	Adamovich 95 ang,cor,pt		
	Gibaut 94B -	600	Gibaut 94B angp,mass,p		Kwan 93 ang		
	Kodama 93C -	$\rho^0 \mu^+ X$		$D^+ D^- X$			
	Kodama 93E -	600	Gibaut 94B angp,mass,p	350	Adamovich 95 ang,cor,pt		
	Kodama 92B -	$\eta' \mu^+ X$			Kwan 93 ang		
$D^+ X + \overline{D}^0 X$		600	Gibaut 94B angp,mass,p	$D^0 D^- X$			
250	Kwan 93 p,pt	$K^- \mu^+ X$		350	Adamovich 95 ang,cor,pt		
	Alves 92 a-dep,p,pt	600	Gibaut 94B angp,mass,p		Kwan 93 ang		
$D^0 X$		$\overline{K}^*(892)^0 \mu^+ X$					
250	Alves 92B a-dep,p,pt	600	Gibaut 94B angp,mass,p	bottom $\overline{\text{bottom}} X$			
	Appel 92 a-dep,p			600	Kodama 93 ang,cs,p		
	Thorne 92 a-dep,p,pt	$\phi(1020) \mu^+ X$			Kwan 93 ang,cs,p		
340	Adamovich 94D -	600	Gibaut 94B angp,mass,p	$B \overline{B} X$			
	Adamovich 91D -			600	Kodama 92D -		
	Rossi 91 a-dep	mult[grey] mult[shower] X			nucleus mult[shower] X		
	Kodama 95 -	525	Cherry 94C cor,mult,p	340	Elnadi 94B mult		
	Freyberger 94 -	mult[htrack] mult[shower] X			nucleus shower X		
	Gibaut 94B -	200 - 350	Ghosh 95B mult	340	Elnadi 94B cs		
	Kodama 93B -	340	Nasr 92 mult	$\pi^+ 2\mu^- X$			
	Kodama 92B -	525	Cherry 94C cor,mult,p	600	Kodama 95 cs,mass		
$D^0 X + \overline{D}^0 X$		mult[black] mult[shower] X		$\pi^+ \mu^- \mu^+ X$			
250	Kwan 93 p,pt	525	Cherry 94C cor,mult,p	500	Nguyen 94 mass		
	Alves 92 a-dep,p,pt	mult[black] mult[grey] X		600	Kodama 95 cs,mass		
600	Kwan 93 cs,p,pt	525	Cherry 94C cor,mult,p	$\pi^0 \mu^- \mu^+ X$			
	Kodama 92C cs,p,pt	2charged X		600	Kodama 95 cs,mass		
$D^0 X + D^- X$		200	Belaga 94B cor,p	$\pi^- \mu^- \mu^+ X$			
250	Kwan 93 p,pt	mult[grey] shower X		600	Kodama 95 cs,mass		
	Alves 92 a-dep,p,pt	340	Tufail 91 cor,mult,p	$\pi^- 2\mu^+ X$			
$\overline{D}^0 X$		340	Tufail 91 cor,mult,p	600	Kodama 95 cs,mass		
250	Alves 92B a-dep,p,pt	mult[htrack] shower X		$K^- \pi^+ e^+ X$			
340	Adamovich 94D -	340	Tufail 91 cor,mult,p	340	Adamovich 91E ang,mass		
600	Kodama 95 -	$K^+ \pi^- X$		$\overline{K}^*(892)^0 \pi^0 \mu^+ X$			
$D^- X$		250	Alves 92 mass	600	Gibaut 94B angp,mass,p		
250	Kwan 93 p,pt	$K^- \pi^+ X$		$\overline{K}^*(892)^0 \pi^- \mu^+ X$			
	Alves 92 a-dep,p,pt	250	Alves 92B mass	600	Gibaut 94B angp,mass,p		
	Alves 92B a-dep,p,pt	600	Alves 92B mass	$K^*(892)^- \pi^0 \mu^+ X$			
	Adamovich 94D -	$K^*(892)^0 \pi^+ X$		600	Gibaut 94B angp,mass,p		
	Adamovich 93D -	500	Gardner 95 cs,mass				
		$\phi(1020) \pi^+ X$		3charged X			
		500	Purohit 94B cs,mass	200	Belaga 94B cor,p		
$D^*(2010)^\pm X$		$K^+ \phi(1020) X$		(showers) 2shower X			
600	Kodama 92C cs	500	Gardner 95 cs,mass	200	Belaga 95F ang,col,cor		
$D^*(2010)^+ X$		$2\text{charm}^\pm X$			Belaga 94C ang,col,cor		
340	Adamovich 93D mult	350	Aoki 91B cs		Ghosh 93B col		
500	Purohit 94 -	charm $^\pm$ charm $^0 X$		3shower X			
600	Kodama 94 -	350	Aoki 91B cs	340	Ghosh 92 ang,col		
$D^*(2010)^- X$		2charm $^0 X$		2grey (greys) X			
340	Adamovich 93D mult	350	Aoki 91B cs	350	Ghosh 94 angp,col		
$D_s^\pm X$		350	Aoki 91B cs	$\pi^+ \pi^-$ mult[grey] X			
250	Appel 92 cs	350	Aoki 91B cs	100	Walker 91 mass		
$D_s^+ X$							
340	Adamovich 94D -						
	Adamovich 93B -						
350	Aoki 92 -						
500	Aitala 95 -						
600	Garbincius 94 -						
	Kodama 93B -						
	Kodama 93E -						

π^- nucleus $\rightarrow 2\pi^+ \pi^- X$ $\pi^- {}^7\text{Li} \rightarrow \chi_{c1}(1P) X$

π^- nucleus	π^- deuteron	π^- Li
$2\pi^+ \pi^- X$ 340 Adamovich 93B mass	X 0.1161 - 0.1496 Saunders 96 a-dep,cs	$J/\psi(1S) X$ 300 Garbincius 94 p,pt
DD $\langle \pi^+ 2\pi^- \rangle X$ 40 Ivanshin 94 angp,mass,pwa	inelastic 0.1161 - 0.1496 Saunders 96 a-dep,cs	$\chi_{c1}(1P) X$ 300 Garbincius 94 p,pt
$K^+ \pi^+ \pi^- X$ 250 Alves 92 mass Alves 92B mass 500 Gardner 95 cs,mass Purohit 94 mass,p Purohit 94B cs,mass	γX 0 Chiba 91B p $\pi^0 X$ 0.6242 Peterson 95 angp 40 Yokosawa 91 asym,pt	$\chi_{c2}(1P) X$ 300 Garbincius 94 p,pt $\psi(2S) X$ 300 Garbincius 94 p,pt $J/\psi(1S) \gamma X$ 300 Garbincius 94 mass
$K^+ 2\pi^- X$ 500 Carter 94 mass	p X 40 Apokin 92 asym	$J/\psi(1S) \pi^+ X$ 300 Antoniazzi 94B mass
$K^- 2\pi^+ X$ 340 Adamovich 93B mass Adamovich 91E mass 500 Gardner 95 cs,mass Carter 94 mass Purohit 94 mass,p Purohit 94B cs,mass Kodama 92C mass	$2\gamma X$ 40 Yokosawa 91 mass $2\pi^+ X$ 38 Chklovskaja 95 cor,pt $\pi^+ \pi^- X$ 38 Chklovskaja 95 cor,pt $2\pi^- X$ 38 Chklovskaja 95 cor,pt 2n 0.2177 Salvisberg 92 angp,cs	$J/\psi(1S) \pi^0 X$ 300 Antoniazzi 94B mass Garbincius 94 mass $J/\psi(1S) \pi^- X$ 300 Antoniazzi 94B mass $\psi(2S) \pi^+ X$ 300 Antoniazzi 94B mass $\psi(2S) \pi^0 X$ 300 Garbincius 94 mass
$K^+ K^- \pi^+ X$ 340 Adamovich 93B mass	deuteron π^- 0.0963 - 0.1496 Kohler 93 angp Kohler 94 angp,asym,pol	$\psi(2S) \pi^- X$ 300 Antoniazzi 94B mass $\mu^- \mu^+ \gamma X$ 300 Garbincius 94 mass
$2K^+ K^- X$ 340 Adamovich 93B mass 500 Gardner 95 cs,mass Purohit 94 mass,p Purohit 94B cs,mass	0.1268 Kohler 91 angp 0.5388 Gridnev 95 angp 0.9 - 2.025 Abramov 91E angp,p	$J/\psi(1S) 2\pi^+ X$ 300 Antoniazzi 94B mass $J/\psi(1S) \pi^+ \pi^0 X$ 300 Antoniazzi 94B mass
$\mu^+ \nu_\mu \text{hadron}^+ \text{hadron}^- X$ 600 Kodama 93C mass,pt	deuteron $\pi^0 \pi^-$ 0.9 - 2.025 Abramov 91E angp,p	$J/\psi(1S) \pi^+ \pi^- X$ 300 Antoniazzi 94B mass Garbincius 94 mass
$\pi^+ \pi^- \mu^+ \gamma X$ 600 Gibaut 94B angp,mass,p	$\pi^- {}^3\text{H}$ ${}^3\text{H} \pi^-$ 0.2445 - 0.3701 Matthews 95 angp	$J/\psi(1S) \pi^0 \pi^- X$ 300 Antoniazzi 94B mass
$\pi^+ \pi^0 \pi^- \mu^+ X$ 600 Gibaut 94B angp,mass,p	3n 0.2177 Salvisberg 92 angp,cs,p	$J/\psi(1S) 2\pi^- X$ 300 Antoniazzi 94B mass
$\eta \pi^+ \pi^- \mu^+ X$ 600 Gibaut 94B angp,mass,p	$\pi^- {}^3\text{He}$ inelastic 0.1904 Khandaker 91 cs $\pi^0 X$ 0.3584 Dowell 95 angp,p $\pi^- X$ 0.1904 Khandaker 91 angp,p p $\pi^0 X$ 0.3584 Dowell 95 angp,p deuteron n 0 Gotta 94 ang,angp,p ${}^3\text{He} \pi^-$ 0.1904 Khandaker 91 angp,cs 0.2445 - 0.3701 Matthews 95 angp	$\pi^- {}^6\text{Li}$ X 0.1161 - 0.1496 Saunders 96 a-dep,cs inelastic 0.1161 - 0.1496 Saunders 96 a-dep,cs $\pi^+ X$ 0.3314 Seth 91 angp,mass p X 0.2248 Seth 91 angp,mass ΛX 4 Tomizawa 94 angp,cs,p,pol
$K^- \pi^+ \pi^- \mu^+ X$ 600 Gibaut 94B angp,mass,p	p 2n 0 Gotta 94 ang,angp,p 0.1082 Hahn 94 angp,cs	${}^3\text{He} X$ 0 Amelin 93 p ${}^4\text{He} X$ 0 Amelin 93 p dineutron $\pi^+ X$ 0.3314 Seth 91 angp,mass dineutron p X 0.2248 Seth 91 angp,mass ${}^3\text{He}$ trineutron 0 Amelin 93 cs
4charged X 200 Belaga 94B cor,p	$\pi^- {}^4\text{He}$ $\pi^- X$ 0.1904 Khandaker 91 angp,p ${}^3\text{H} p \pi^-$ 0.2875 Langenbrunne 92 angp	$\pi^- {}^7\text{Li}$ $J/\psi(1S) X$ 300 Sansoni 95 cs Antoniazzi 92 cs,mass Antoniazzi 92B cs,p,pt
mult[grey] (showers) 2shower X 340 Tufail 91 cor,mult,p	$\pi^- \text{Li}$ meson X 300 Antoniazzi 94B cs $\pi^- X$ 0.6242 Wise 93 a-dep $h_c(1P) X$ 300 Antoniazzi 94B cs Garbincius 94 -	$\chi_{c1}(1P) X$ 300 Sansoni 95 cs Antoniazzi 94 cs,p Antoniazzi 92 cs
4shower X 340 Ghosh 92 ang,col		
4 γ X 300 Prokoshkin 90 mass		
$K^- 2\pi^+ \pi^- X$ 600 Kodama 92C mass		
nucleus 3shower X 340 Elnadi 94B angp,col,p		
μ^\pm 3charged (neutrals) X 600 Kodama 93B ang,mass		
$\mu^- \mu^+$ hadron $^+$ hadron $^-$ neutral X 600 Kodama 95 cs,mass		
5charged X 200 Belaga 94B cor,p		
5shower X 340 Ghosh 92 ang,col		
μ^\pm 4charged (neutrals) X 600 Kodama 93B ang,mass		
7charged X 200 Belaga 94B cor,p		
(showers) 6shower X 200 - 350 Ghosh 93 mult,p		
nucleus π^+ > 0.06642 Johnson 93 angp,cs		

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$\pi^- \text{}^7\text{Li} \rightarrow \chi_{c2}(1P) X$ $\pi^- \text{Be} \rightarrow p \text{ charged}^+ X$

$\pi^- \text{}^7\text{Li}$			$\pi^- \text{Be}$			$\pi^- \text{Be}$		
$\chi_{c2}(1P) X$ 300	Sansoni 95 Antoniazzi 94 Antoniazzi 92	cs cs,p cs	$K^*(892)^0 X$ 150 - 300	Beligianni 95 Beligianni 93B Beligianni 93C	pt pt pt	dibaryon X	Antipov 90E	cs
$\psi(2S) X$ 300	Sansoni 95 Antoniazzi 92 Antoniazzi 92B	cs cs cs	$\bar{K}^*(892)^0 X$ 150 - 300	Beligianni 95 Beligianni 93B Beligianni 93C	pt pt pt	$\mu^- \mu^+ X$ 125 515	Tzamarias 90 Gribushin 95 Garbincius 94 Jesik 94	mass mass mass mass
${}^3\text{He} X$ 0	Amelin 93	p	$K_0^*(1430)^0 X$ 150 - 300	Beligianni 93B	pt	charged ⁻ mult[charged] X 40	Antipov 93	angp,mult,p
${}^4\text{He} X$ 0	Amelin 93	p	$\bar{K}_0^*(1430)^0 X$ 150 - 300	Beligianni 93B	pt	2jet X 530	Conrad 95	a-dep,ang,pt
$\mu^- \mu^+ X$ 300	Sansoni 95 Antoniazzi 92 Antoniazzi 92B	mass mass mass	$\phi(1020) X$ 150 - 300	Beligianni 95 Beligianni 94 Beligianni 93C	pt pol,pt pt	γ charged X 500	Alverson 93B	ang,mult,p,pt
$J/\psi(1S) \gamma X$ 300	Sansoni 95 Antoniazzi 94 Antoniazzi 92	mass mass mass	$D(\text{unspec}) X$ 250	Alves 92	a-dep,p,pt	γ jet X 500	Alverson 93B	angp,mass,pt
$\mu^- \mu^+ \gamma X$ 300	Sansoni 95 Antoniazzi 94 Antoniazzi 92	mass mass mass	$D^\pm X$ 250	Alves 93B	p,pt	2 γX 500	Alverson 93 Alverson 91	mass mass,p,pt
${}^4\text{He}$ trineutron 0	Amelin 93	cs	$D^+ X$ 250	Appel 94 Spiegel 91	cs,p a-dep	$\bar{b} b X$ 515	Jesik 94	cs
$\pi^- \text{}^8\text{Be}$			$D^0 X$ 250	Spiegel 91	a-dep	π^0 charged X 500	Alverson 93B	ang,mult,p,pt
$p X$ 0.2248	Seth 91	angp,mass	$D^- X$ 250	Appel 94	cs,p	π^0 jet X 500	Alverson 93B	angp,mass,pt
dineutron $p X$ 0.2248	Seth 91	angp,mass	$D^*(2010)^\pm X$ 250	Gardner 95 Alves 93 Alves 93B	mass mass p,pt	$\pi^+ \pi^- X$ 150 - 300	Beligianni 95 Beligianni 93B	mass,pt mass,pt
$\pi^- \text{Be}$			$D_s^+ X$ 250	Appel 94	cs,p	300	Beligianni 93C	mass,pt
γX 500	Alverson 93	a-dep,angp,pt	$D_s^- X$ 250	Appel 94	cs,p	$K^+ \pi^+ X$ 40	Antipov 95	p,pt
515	Alverson 91B Conrad 95	p,pt a-dep,pt	$J/\psi(1S) X$ 125	Tzamarias 90	angp,cs,p,pt	$K^+ \pi^- X$ 150 - 300	Beligianni 95 Beligianni 93B	mass,pt mass,pt
meson ⁰ X 85	Bertolotto 94	mass,pwa	515	Gribushin 95 Sansoni 95 Garbincius 94 Abramov 91B	cs,p,pt cs p,pt cs,p,pt	300	Beligianni 93C	mass,pt
$\pi^+ X$ 300	Beligianni 92	cs	530	Antoniazzi 92 Sansoni 95 Garbincius 94	cs cs p,pt	$K^- \pi^+ X$ 150 - 300	Beligianni 95 Beligianni 93B	mass,pt mass,pt
$\pi^0 X$ 500	Alverson 93	a-dep,angp,pt	$\chi_{c1}(1P) X$ 185 515	Antoniazzi 92 Sansoni 95 Garbincius 94	cs cs p,pt	300	Beligianni 92	mass,pt cor,mass,pt
515	Alverson 91 Alverson 91B Conrad 95	a-dep,p,pt p,pt a-dep,pt	$\chi_{c2}(1P) X$ 185 515	Antoniazzi 92 Sansoni 95 Garbincius 94	cs cs p,pt	300	Beligianni 93C	mass,pt
$\pi^- X$ 300	Beligianni 92	cs	$\psi(2S) X$ 515	Gribushin 95 Sansoni 95 Garbincius 94	cs,p,pt cs p,pt	$K^- \pi^- X$ 40	Antipov 95	p,pt
ηX 500	Alverson 93	a-dep,angp,pt	$B^+ X$ 515	Garbincius 94	cs	$K^+ K^- X$ 150 - 300 300	Beligianni 95 Beligianni 93C	mass,pt mass,pt
$\rho^0 X$ 150 - 300 300	Beligianni 95 Beligianni 93C	pt pt	$B^0 X$ 515	Garbincius 94	cs	Beligianni 92	cor,mass,pt	
$f_0(975) X$ 150 - 300	Beligianni 95	pt	$\bar{B}^0 X$ 515	Garbincius 94	cs	2 $\phi(1020) X$ 85 ?	Bertolotto 94 Burchell 92	mass -
$f_2(1270) X$ 150 - 300	Beligianni 95	pt	$B^- X$ 515	Garbincius 94	cs	charmed-meson $D^0 X$ 205	Sarmiento 92	cs
300	Beligianni 95 Beligianni 93B Beligianni 94 Beligianni 93C	pt pt pol,pt pt	$p X$ 40	Antipov 95 Antipov 92 Antipov 90C	p,pt a-dep,p	charmed-meson $\bar{D}^0 X$ 205	Sarmiento 92	cs
$f_0(1525) X$ 37	Amelin 95C	-	300	Beligianni 92	a-dep,angp cs	$J/\psi(1S) \gamma X$ 185 515	Antoniazzi 92 Garbincius 94	cs,mass mass
$\pi(1770)^- X$ 37	Amelin 95C	-	$\bar{p} X$ 40 300	Antipov 95 Beligianni 92	p,pt cs	$p \text{ charged}^+ X$ 40	Antipov 93	mass
$X(1814)^- X$ 36	Beladidze 92	cs	dibaryon X 40	Antipov 90	cs			
$K^+ X$ 300	Beligianni 92	cs						
$K^- X$ 300	Beligianni 92	cs						

$\pi^- \text{Be} \rightarrow p \pi^+ X$ $\pi^- \text{C} \rightarrow K^+ K^- \pi^- X$

$\pi^- \text{Be}$			$\pi^- \text{Be}$			$\pi^- \text{C}$		
$p \pi^+ X$ 40	Antipov 93	mass	$\text{Be } a_2(1320)^-$	Berdnikov 93	cs	$a_2(1320)^- X$ 36	Bitjukov 91C	-
$p \pi^- X$ 300	Belogianni 92	cor,mass,pt	$\text{Be } \pi(1770)^-$ 36	Amelin 95B	-	$D^+ X$ 250 500	Appel 94 Aitala 96	cs,p,pt cs,p,pt
$\bar{p} \pi^+ X$ 300	Belogianni 92	cor,mass,pt	Be exotic 37	Berdnikov 93	cs	$D^- X$ 250 500	Appel 94 Aitala 96	cs,p,pt cs,p,pt
$p \rho^0 X$ 40	Antipov 93B	a-dep,cs,p,pt	$\text{Be } \eta \pi^-$ 37	Berdnikov 93	angp,pwa	$D_s^+ X$ 250	Appel 94	cs,p,pt
$p K^- X$ 300	Belogianni 92	cor,mass,pt	$\text{Be } \eta' \pi^-$ 37	Berdnikov 93	angp,pwa	$D_s^- X$ 250	Appel 94	cs,p,pt
$\bar{p} K^+ X$ 300	Belogianni 92	cor,mass,pt	$\text{DD } < \pi^+ 2\pi^- >$ 40	Ivanshin 94	angp,mass,pwa	$J/\psi(1S) X$ 530	Spiegel 91	a-dep
$2p X$ 40	Antipov 93 Antipov 90 Antipov 90E	mass mass mass	$\text{Be } \pi^+ 2\pi^-$ 36	Amelin 95B	mass,pwa	$p X$ 5 40 200.1	Arakelyan 91B Armutlijsky 91 Albrecht 93G	angp,p angp angp,p
$p \bar{p} X$ 300	Belogianni 92	cor,mass,pt	$\text{Be } \pi^+ \pi^0 2\pi^-$ 37	Berdnikov 93	angp,mass	ΛX 1.2 - 5	Smirnitsky 91	a-dep,p,pol
$\text{deuteron } \pi^+ X$ 40	Antipov 90	mass	$\text{Be } \eta \pi^+ 2\pi^-$ 37	Berdnikov 93	angp,mass	3	Vorobiev 91	a-dep,angp,p,pol
$\text{deuteron } \pi^- X$ 40	Antipov 90	mass	$\text{Be } \pi^+ 2\pi^- 2\gamma$ 37	Berdnikov 93	angp,mass	4 - 7	Degtyarenko 91	a-dep,angp,p pol
$\mu^- \mu^+ \text{ charged } X$ 530	Abramov 91B	mass,mult,p,pt	$\pi^- \text{}^9\text{Be}$			$\text{mult}[p] \text{ mult}[\pi^-] X$ 40	Strugalski 92C	angp,cor,mult,p
$\mu^- \mu^+ \gamma X$ 185 515	Antoniazzi 92 Sansoni 95 Garbincius 94	mass mass mass	$2p X$ 0	Gornov 91	mass	$\pi^- \text{ mult}[\text{charged}] X$ 40	Angelov 92B Baatar 89B	col,pt angp,p
$K^+ \pi^- \mu^+ X$ 205	Sarmiento 92	angp,mass	$\text{deuteron } p X$ 0	Gornov 91	mass	$\text{mult}[p] \pi^0 X$ 40	Strugalski 92	angp,cor,mult,p,pt
$K^- \pi^+ \mu^- X$ 205	Sarmiento 92	angp,mass	$2\text{deuteron } X$ 0	Gornov 91	mass	$2\pi^+ X$ 38	Chklovskaja 95	cor,pt
$\pi^+ \pi^- \text{ charged-hadron } X$ 150 - 300	Belogianni 94	ang,mass,pt	${}^3\text{H } p X$ 0	Gornov 91	mass	$\pi^+ \pi^- X$ 38	Chklovskaja 95	cor,pt
$2\eta \pi^- X$ 37	Amelin 95C	angp,mass,pwa	${}^3\text{H deuteron } X$ 0	Gornov 91	mass	$2\pi^- X$ 38	Chklovskaja 95	cor,pt
$K^+ 2\pi^- X$ 250	Appel 94	mass	$2{}^3\text{H } X$ 0	Gornov 91	mass	$\eta \pi^- X$ 36	Bitjukov 91C	ang,mass,pwa
$K^- 2\pi^+ X$ 250	Appel 94	mass	${}^3\text{He } {}^3\text{H } X$ 0	Gornov 91	p	$\eta' \pi^- X$ 36	Bitjukov 91C	ang,mass,pwa
$K^+ K^- \text{ charged-hadron } X$ 150 - 300	Belogianni 94	ang,mass,pt	${}^4\text{He deuteron } X$ 0	Gornov 91	p	$K^0 \text{ mult}[\text{charged}] X$ 40	Angelov 92B	col
$K^+ K^- \pi^+ X$ 250	Appel 94	mass	${}^4\text{He } {}^3\text{H } X$ 0	Gornov 91	p	$p \text{ mult}[\text{charged}] X$ 40	Angelov 92B	col,pt
$K^+ K^- \pi^- X$ 250	Appel 94	mass	$\pi^- \text{C}$			$\Lambda \text{ mult}[\text{charged}] X$ 40	Angelov 92B	col
$p \text{ charged}^- \text{ mult}[\text{charged}] X$ 40	Antipov 93	p	X 0.1161 - 0.1496	Saunders 96	a-dep,cs	$2\text{charged (charged)} X$ 40	Boos 95 Angelov 94	col,cor,p col,cor
$p \pi^+ \pi^- X$ 40	Antipov 93B	ang,angp,dme,mass	inelastic 0.07735 - 0.0963	Friedman 91B	cs	$(p's) \pi (\pi's) X$ 40	Strugalski 92C	angp,cor,mult,p
$2p \pi^- X$ 40	Antipov 90E	mass	0.1161 - 0.1496	Saunders 96	a-dep,cs	$2\eta \pi^- X$ 36	Bitjukov 91	ang,mass
$2K^+ 2K^- X$ 85	Bertolotto 94	mass	$\text{mult}[\text{nucleon}] X$ 40	Kuznetsov 93	cor,mult,p	$\eta' \eta \pi^- X$ 36	Bitjukov 91	ang,mass
$\pi^+ \pi^0 \pi^- 2\gamma X$ 37	Amelin 95C	mass	$\text{mult}[p] X$ 200.1	Albrecht 93G	a-dep,mult	$K^+ 2\pi^- X$ 250	Appel 94	mass
$\text{Be } a_2(1320)^-$ 37	Achasov 94	cs	$\text{mult}[p] \text{ mult}[\pi^0]$ 3.5	Strugalski 92	mult	$K^- 2\pi^+ X$ 250	Appel 94	mass
			$\pi^+ X$ 40	Armutlijsky 91	angp	$K^+ K^- \pi^+ X$ 250	Appel 94	mass
			$\pi^0 X$ 0.6242	Peterson 92	angp,p	$K^+ K^- \pi^- X$ 250	Appel 94	mass
			$\pi^- X$ 0.6242	Wise 93 Zumbro 93	angp,p angp			
			40	Armutlijsky 91 Baatar 89B	angp,et,p			

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$\pi^- C \rightarrow p (p's) (\pi's) X$ $\pi^- Ca \rightarrow$ inelastic

$\pi^- C$	$\pi^- Ne$	$\pi^- Al$
$p (p's) (\pi's) X$ 40 Strugalski 92C angp,cor,mult,p	vee (vees) mult[charged ⁺] X 6.2 Kiselevich 95 mult	$J/\psi(1S) X$ 530 Spiegel 91 a-dep
$\pi^+ \pi^0 2\pi^- X$ 36 Bityukov 91C mass	vee (vees) mult[charged ⁻] X 6.2 Kiselevich 95 mult	$p X$ 40 Antipov 92 Antipov 90C a-dep,p
$2p (p's) (\pi^\pm's) X$ 40 Angelov 92 ang,cor,p	mult[p] vee (vees) X 6.2 Kiselevich 95 mult	200.1 Albrecht 93G a-dep,angp angp,p
$\pi^+ 2\pi^- 2\gamma X$ 36 Bityukov 91C mass	vee (vees) charged ⁺ X 6.2 Kiselevich 95 mult	ΛX 1.2 - 5 Smirnitsky 91 a-dep,p,pol
$\pi^+ 2\pi^- 4\gamma X$ 36 Bityukov 91 mass	vee (vees) charged ⁻ X 6.2 Kiselevich 95 mult	Vorobiev 91 a-dep,angp,p,pol
DD < $\pi^+ 2\pi^-$ > C 40 Ivanshin 94 angp,mass,pwa Ananieva 92 angp,mass,pwa	p vee (vees) X 6.2 Kiselevich 95 mult	3 Degtyarenko 91 a-dep,angp,p
$\pi^-^{12}C$	$p \pi^+ \pi^- X$ 6.2 Kiselevich 93 Amelin 91 angp,p	$p \pi^- X$ 3.15 Bayukov 94 angp,cor,p
mult[charged] (neutrals) 40 Angelov 91 col,mult	(p's) π^- (charged ⁺ s) (charged ⁻ s) X 6.2 Kiselevich 94 col	$p \rho^0 X$ 40 Antipov 93B a-dep,cs,p,pt
$^{12}Bor \pi^0$ 0.08801 Hanna 94 angp,p	$p (p's) \pi^+ \pi^- (\pi^+'s) (\pi^-'s) X$ 6.2 Kiselevich 93C p,pt	deuteron $\pi^- X$ 3.15 Bayukov 94 angp,cor,p
$^{12}C \pi^-$ 0.07735 - 0.112 Burleson 94 angp 0.7365 - 1.025 Takahashi 95 angp,cs	$\pi^-^{20}Ne$	$K^+ 2\pi^- X$ 250 Appel 94 mass
$\pi^-^{13}C$	$^{20}Ne^* \pi^-$ 0.2875 Burlein 95 angp,cs,p	$K^- 2\pi^+ X$ 250 Appel 94 mass
$^{13}Bor \pi^0$ 0.08801 Hanna 94 angp,p	$\pi^-^{24}Mg$	$K^+ K^- \pi^+ X$ 250 Appel 94 mass
$^{13}C \pi^-$ 0.2117 - 0.3433 Yen 91B angp,asym	γX 0 Jeckelmann 94 p	$K^+ K^- \pi^- X$ 250 Appel 94 mass
$\pi^-^{16}O$	$\pi^- Mg$	DD < $\pi^+ 2\pi^-$ > Al 40 Ivanshin 94 angp,mass,pwa Ananieva 92 angp,mass,pwa
$^{16}O \pi^-$ 0.07735 - 0.112 Burleson 94 angp	$\pi^+ X$ 100 - 320 Whitmore 94 mult,p,pt	$\pi^- Si$
$\pi^-^{18}O$	$\pi^- X$ 100 - 320 Whitmore 94 mult,p,pt	X 0.1161 - 0.1496 Saunders 96 a-dep,cs
$^{18}O \pi^-$ 0.07735 - 0.112 Burleson 94 angp	$p X$ 100 - 320 Whitmore 94 mult,p	inelastic 0.1161 - 0.1496 Saunders 96 a-dep,cs
$\pi^- Ne$	$\pi^-^{26}Mg$	$K_S X$ 340 Adamovich 92 a-dep,p
mult[charged ⁺] X 6.2 Kiselevich 95 mult	$^{26}Mg^* \pi^-$ 0.2673 Clausen 93 angp,cs,p	$D^\pm X$ 340 Alves 93B p
mult[charged ⁻] X 6.2 Kiselevich 95 mult	$\pi^- Al$	$D^0 X$ 340 Adamovich 92 a-dep,p
mult[p] X 6.2 Kiselevich 95 mult	X 0.1161 - 0.1496 Saunders 96 a-dep,cs	2jet X 530 Conrad 95 a-dep,ang,pt
charged ⁺ X 6.2 Kiselevich 95 mult	inelastic 0.1161 - 0.1496 Saunders 96 a-dep,cs	DD < $\pi^+ 2\pi^-$ > Si 40 Ivanshin 94 angp,mass,pwa Ananieva 92 angp,mass,pwa
charged ⁻ X 6.2 Kiselevich 95 mult	mult[p] X 200.1 Albrecht 93G a-dep,mult	$\pi^-^{28}Si$
$\pi^- X$ 6.2 Kiselevich 93B angp,p,pt	$\pi^- X$ 0.6242 Wise 93 a-dep	$^{28}Si \pi^-$ 0.3749 Rawoolsulliv 94 angp
$p X$ 6.2 Kiselevich 95 mult	$D(unspec) X$ 250 Alves 92 a-dep,p,pt	$\pi^- S$
ΛX 3.6 - 6.2 Bulekov 94 p,pol,pt	$D^\pm X$ 250 Alves 93B p,pt	X 0.1161 - 0.1496 Saunders 96 a-dep,cs
charged (charged ^s) (neutrals) 6.2 Kiselevich 93B col,mult,pt	$D^+ X$ 250 Appel 94 Spiegel 91 cs,p a-dep	inelastic 0.1161 - 0.1496 Saunders 96 a-dep,cs
$2p X$ 6.2 Kiselevich 93B ang,p	$D^0 X$ 250 Spiegel 91 a-dep	$\pi^- Ca$
mult[p] mult[charged ⁺] mult[charged ⁻] X 6.2 Kiselevich 92 mult,p	$D^- X$ 250 Appel 94 cs,p	X 0.1161 - 0.1496 Saunders 96 a-dep,cs
mult[p] mult[π^+] mult[π^-] X 6.2 Kiselevich 92B mult	$D^*(2010)^\pm X$ 250 Gardner 95 Alves 93 Alves 93B mass mass p,pt	inelastic 0.1161 - 0.1496 Saunders 96 a-dep,cs
	$D_s^+ X$ 250 Appel 94 cs,p	
	$D_s^- X$ 250 Appel 94 cs,p	

$\pi^- \text{Ca} \rightarrow \pi^- X$ $\pi^- \text{Cu} \rightarrow D_s^+ \bar{D} X + D_s^- D X$

$\pi^- \text{Ca}$	$\pi^- {}^{64}\text{Ni}$	$\pi^- \text{Cu}$
$\pi^- X$ 0.6242 Wise 93 angp	${}^{64}\text{Ni} \pi^-$ 0.2875 Laymon 96 a-dep,angp,dme	$\psi(2S) X$ 515 Sansoni 95 cs Garbincius 94 p,pt
$\pi^- {}^{40}\text{Ca}$	${}^{64}\text{Ni}^* \pi^-$ 0.2875 Laymon 96 a-dep,angp,dme	$B^+ X$ 515 Garbincius 94 cs
${}^{40}\text{Ca} \pi^-$ 0.07735 - 0.112 Burleson 94 angp	$\pi^- \text{Cu}$	$B^0 X$ 515 Garbincius 94 cs
$\pi^- {}^{48}\text{Ca}$	mult[p] X 200.1 Albrecht 93G a-dep,mult	$\bar{B}^0 X$ 515 Garbincius 94 cs
${}^{48}\text{Ca} \pi^-$ 0.07735 - 0.112 Burleson 94 angp	γX 515 Conrad 95 a-dep,pt	$B^- X$ 515 Garbincius 94 cs
$\pi^- \text{Ti}$	$\pi^0 X$ 500 Alverson 93 a-dep,angp,pt	$X C(1480)^-$ 50 Landsberg 90 cs
$2\pi^+ X$ 1.4 Bayukov 92 angp,p	$\pi^0 X$ 515 Alverson 91 a-dep,p,pt	$p X$ 40 Antipov 92 a-dep,p Antipov 90C a-dep,angp
$\pi^+ \pi^- X$ 1.4 Bayukov 92 angp,p	$K_S X$ 340 Adamovich 92 a-dep,p	200.1 Albrecht 93G angp,p
$2\pi^- X$ 1.4 Bayukov 92 angp,p	$D(\text{unspec}) X$ 250 Alves 92 a-dep,p,pt	ΛX 1.2 - 5 Smirnitsky 91 a-dep,p,pol
$2\pi^\pm \text{fragt} X$ 1.39 Bayukov 91 p	$D^\pm X$ 250 Alves 93B p,pt 340 Alves 93B p	3 Degtyarenko 91 a-dep,angp,p
$\pi^+ \pi^- \text{fragt} X$ 1.39 Bayukov 91 p	$D X$ 230 Rossi 91 pt	230 Barlag 94 p,pol,pt
$DD < \pi^+ 2\pi^- > \text{Ti}$ 40 Ivanshin 94 angp,mass,pwa Ananieva 92 angp,mass,pwa	$D^+ X$ 230 Kwan 93 angp,cs,p Barlag 92C - Spiegel 91 p,pt Barlag 90E angp,cs,p Appel 94 cs,p Spiegel 91 a-dep	$\bar{\Lambda} X$ 230 Barlag 94 p,pol,pt
$\pi^- \text{Fe}$	$D^0 X$ 230 Kwan 93 angp,cs,p Barlag 92C - Spiegel 91 p,pt Barlag 90E angp,cs,p Spiegel 91 a-dep	$\Lambda_c^+ X$ 230 Bozek 93 - Barlag 92B cs Jezabek 92 pt
$2\pi^+ X$ 1.4 Bayukov 92 angp,p	$D^0 X$ 230 Kwan 93 angp,cs,p Barlag 92C - Spiegel 91 p,pt Barlag 90E angp,cs,p Spiegel 91 a-dep	$\Xi_c(2460)^0 X$ 230 Spiegel 91 cs
$\pi^+ \pi^- X$ 1.4 Bayukov 92 angp,p	$\bar{D}^0 X$ 350 Adamovich 95B -	$\mu^- \mu^+ X$ 125 Tzamarias 90 mass 350 Adamovich 95B mass 515 Garbincius 94 mass
$2\pi^- X$ 1.4 Bayukov 92 angp,p	$D^- X$ 250 Appel 94 cs,p	2jet X 530 Conrad 95 a-dep,ang,pt
$2\pi^\pm \text{fragt} X$ 1.39 Bayukov 91 p	$D^*(2010)^\pm X$ 250 Gardner 95 mass Alves 93 mass Alves 93B p,pt	$2\pi^+ X$ 38 Chklovskaja 95 cor,pt
$\pi^+ \pi^- \text{fragt} X$ 1.39 Bayukov 91 p	$D^*(2010)^+ X$ 230 Barlag 92 - Barlag 90E angp,cs,p	$\pi^+ \pi^- X$ 38 Chklovskaja 95 cor,pt
$\pi^- {}^{58}\text{Ni}$	$D^*(2010)^0 X$ 230 Barlag 92 -	$2\pi^- X$ 38 Chklovskaja 95 cor,pt
${}^{58}\text{Ni} \pi^-$ 0.07735 - 0.112 Burleson 94 angp	$D_s^+ X$ 230 Barlag 92C - Spiegel 91 cs Barlag 90E angp,cs,p	$K^- \pi^+ X$ 230 Barlag 90E angp,mass,p
0.2875 Laymon 96 a-dep,angp,dme	$D_s^- X$ 250 Appel 94 cs,p	charm $\bar{\text{charm}} X$ 230 Rybicki 95 cor,mass,p,pt
${}^{58}\text{Ni}^* \pi^-$ 0.2875 Laymon 96 a-dep,angp,dme	$J/\psi(1S) X$ 125 Tzamarias 90 angp,cs,p,pt	$D \bar{D} X$ 230 Barlag 93 ang,cor,p Barlag 91 ang Spiegel 91 ang
$\pi^- \text{Ni}$	$D^*(2010)^0 X$ 230 Barlag 92 -	$D^+ \bar{D}^0 X$ 230 Barlag 93 cor,p
inelastic 0.07735 - 0.0963 Friedman 91B cs	$D_s^+ X$ 230 Barlag 92C - Spiegel 91 cs Barlag 90E angp,cs,p	$D^+ \bar{D}^0 X + D^0 D^- X$ 230 Barlag 91 ang
$\pi^- {}^{60}\text{Ni}$	$D_s^- X$ 250 Appel 94 cs,p	$D^0 \bar{D}^0 X$ 230 Barlag 93 cor,p Barlag 91 ang
${}^{60}\text{Ni} \pi^-$ 0.2875 Laymon 96 a-dep,angp,dme	$J/\psi(1S) X$ 125 Tzamarias 90 angp,cs,p,pt	$D^+ D^- X$ 230 Barlag 93 cor,p Barlag 91 ang
${}^{60}\text{Ni}^* \pi^-$ 0.2875 Laymon 96 a-dep,angp,dme	$X_{c1}(1P) X$ 515 Sansoni 95 cs Garbincius 94 p,pt Spiegel 91 a-dep	$D_s^+ \bar{D} X$ 230 Barlag 93 cor,p Spiegel 91 ang
$\pi^- {}^{62}\text{Ni}$	$X_{c2}(1P) X$ 515 Sansoni 95 cs Garbincius 94 p,pt	$D_s^+ \bar{D} X + D_s^- D X$ 230 Barlag 91 ang
${}^{62}\text{Ni} \pi^-$ 0.2875 Laymon 96 a-dep,angp,dme		
${}^{62}\text{Ni}^* \pi^-$ 0.2875 Laymon 96 a-dep,angp,dme		

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$\pi^- \text{Cu} \rightarrow J/\psi(1S) \gamma X$ $\pi^- \text{Pt} \rightarrow K^+ K^- \pi^+ X$

$\pi^- \text{Cu}$	$\pi^- \text{Ag}$	$\pi^- \text{Xe}$
$J/\psi(1S) \gamma X$ 515 Garbincius 94 mass	$p X$ 200.1 Albrecht 93G angp,p	mult[p] mult[π^-] mult[fragt] X 3.5 Strugalski 91B mult
$p \rho^0 X$ 40 Antipov 93B a-dep,cs,p,pt	mult[p] $\pi^+ X$ 100 Whitmore 94 cor,mult,p,pt	$\pi^- \text{Ta}$ $\pi^- X$ 0.6242 Wise 93 a-dep
$\Lambda_c^+ \bar{D} X$ 230 Barlag 93 cor,p Spiegel 91 ang	mult[p] $\pi^- X$ 100 Whitmore 94 cor,mult,p,pt	DD < $\pi^+ 2\pi^-$ > Ta 40 Ivanshin 94 angp,mass,pwa Ananieva 92 angp,mass,pwa
$\Lambda_c^+ \bar{D} X + \bar{\Lambda}_c^- D X$ 230 Barlag 91 ang	DD < $\pi^+ 2\pi^-$ > Ag 40 Ivanshin 94 angp,mass,pwa	$\pi^- \text{Wt}$ $K_S X$ 340 Adamovich 92 a-dep,p
$\Lambda_c^+ \bar{\Lambda}_c^- X$ 230 Appel 92 ang,cs	$\pi^- \text{Cd}$ ΛX 1.2 - 5 Smirnitsky 91 a-dep,p,pol	$D(\text{unspec}) X$ 250 Alves 92 a-dep,p,pt
$\mu^- \mu^+ \gamma X$ 515 Sansoni 95 mass Garbincius 94 mass	3 Degtyarenko 91 a-dep,angp,p,pol	$D^\pm X$ 250 Alves 93B p,pt 340 Alves 93B p
$K^+ 2\pi^- X$ 250 Appel 94 mass	$\pi^- \text{Sn}$ $\pi^- X$ 0.6242 Wise 93 a-dep	$D^+ X$ 250 Appel 94 cs,p Spiegel 91 a-dep
$K^- 2\pi^+ X$ 230 Barlag 90E angp,mass,p	$\pi^- \text{Xe}$ mult[γ] X 3.5 Strugalski 93 mult	$D^0 X$ 250 Spiegel 91 a-dep 340 Adamovich 92 a-dep,p 350 Adamovich 95B -
$K^+ K^- \pi^+ X$ 230 Appel 94 mass	mult[p] mult[π^0] 3.5 Strugalski 91 mult	$\bar{D}^0 X$ 350 Adamovich 95B -
$K^+ K^- \pi^- X$ 250 Appel 94 mass	mult[n] X 3.5 Bekmirzaev 91 mult	$D^- X$ 250 Appel 94 cs,p
$p K^- \pi^+ X$ 230 Bozek 93 mass Jezebek 92 mass	γX 3.5 Strugalski 93 angp,p,pt	$D^*(2010)^\pm X$ 250 Gardner 95 mass Alves 93 mass Alves 93B p,pt
$K^- 2\pi^+ \pi^- X$ 230 Barlag 90E angp,mass,p	$\pi^0 X$ 3.5 Pawlyak 91 p	$D_s^+ X$ 250 Appel 94 cs,p
$p K^- \pi^+ \pi^0 X$ 230 Bozek 93 mass	mult[p] π^0 3.5 Strugalski 91 angp,cor,mult,p,pt	$D_s^- X$ 250 Appel 94 cs,p
$K^- 3\pi^+ \pi^- X$ 230 Barlag 90E angp,mass,p	$p X$ 3.5 Bekmirzaev 91 p Pawlyak 91 p	$J/\psi(1S) X$ 125 Tzamarias 90 cs
$p K^- \pi^+ 2\pi^0 X$ 230 Bozek 93 mass	$n X$ 3.5 Bekmirzaev 91 angp,p	$\psi(2S) X$ 125 Tzamarias 90 cs
$p K^- \pi^+ 3\pi^0 X$ 230 Bozek 93 mass	mult[p] mult[n] X 3.5 Strugalski 91C cor,mult	$\mu^- \mu^+ X$ 125 Tzamarias 90 mass 350 Adamovich 95B mass
DD < $\pi^+ 2\pi^-$ > Cu 40 Ivanshin 94 angp,mass,pwa Ananieva 92 angp,mass,pwa	3.5 Strugalski 91B mult	$K^+ 2\pi^- X$ 250 Appel 94 mass
$\pi^- \text{Se}$	3.5 Zielinska 91 cor,mult	$K^- 2\pi^+ X$ 250 Appel 94 mass
Se π^- 0.2718 Hui 94 angp,p	mult[p] mult[fragt] X 3.5 Strugalski 91B mult	$K^+ K^- \pi^+ X$ 250 Appel 94 mass
$\pi^- {}^{90}\text{Zr}$	2 γX 3.5 Strugalski 93 mass	$K^+ K^- \pi^- X$ 250 Appel 94 mass
${}^{90}\text{Zr} \pi^-$ 0.07735 - 0.112 Burleson 94 angp	(π^\pm 's) πX 3.5 Pawlyak 91 mult,p	$\pi^- \text{Pt}$ $D^+ X$ 250 Appel 94 cs,p,pt 500 Aitala 96 cs,p,pt
$\pi^- \text{Zr}$	(π^0 's) πX 3.5 Pawlyak 91 mult,p	$D^- X$ 250 Appel 94 cs,p,pt 500 Aitala 96 cs,p,pt
$\pi^0 X$ 0.6242 Peterson 92 angp,p	(p's) πX 3.5 Pawlyak 91 mult,p	$D_s^+ X$ 250 Appel 94 cs,p,pt
$\pi^- X$ 0.6242 Wise 93 angp	p (π 's) X 3.5 Pawlyak 91 mult,p	$D_s^- X$ 250 Appel 94 cs,p,pt
$\pi^- \text{Ag}$	p (p's) X 3.5 Pawlyak 91 mult,p	$K^+ 2\pi^- X$ 250 Appel 94 mass
mult[p] X 200.1 Albrecht 93G a-dep,mult	nucleus (p's) π^+ 2.34 - 9 Strugalskago 94 cs,mult	$K^- 2\pi^+ X$ 250 Appel 94 mass
$\pi^+ X$ 100 - 320 Whitmore 94 mult,p,pt	nucleus p (p's) 2.34 - 9 Strugalskago 94 cs	$K^+ K^- \pi^+ X$ 250 Appel 94 mass
$\pi^- X$ 100 - 320 Whitmore 94 mult,p,pt	mult[p] mult[π] mult[fragt] X 3.5 Strugalski 91B mult	
$p X$ 100 - 320 Whitmore 94 mult,p		

$$\pi^- \text{Pt} \rightarrow K^+ K^- \pi^- X$$

$$K^+ p \rightarrow 2\text{charged}^+ \text{charged}^- X$$

$\pi^- \text{Pt}$	$K^\pm p$	$K^+ p$
$K^+ K^- \pi^- X$ 250 Appel 94 mass	$\rho^0 X$ 80 - 140 Apsimon 92B cs	2charged X Agababyan 94B
$\pi^- \text{Au}$	$f_0(975) X$ 80 - 140 Apsimon 92B cs	Agababyan 94C ang,col Agababyan 93C col,cor
mult[p] X 200.1 Albrecht 93G a-dep,mult	$f_2(1270) X$ 80 - 140 Apsimon 92B angp,cs,p,pt	2charged ⁺ X 250 Agababyan 95D ang,cor,p
$\pi^+ X$ 100 - 320 Whitmore 94 mult,p,pt	$\pi^+ \pi^- X$ 80 - 140 Apsimon 92B mass	Agababyan 94B ang,col Agababyan 94C col,cor
$\pi^- X$ 100 - 320 Whitmore 94 mult,p,pt	K^+ nucleon	Ajinenko 94 ang,col,cor,mass,pt Agababyan 93C col,cor,mass
$p X$ 100 - 320 Whitmore 94 mult,p 200.1 Albrecht 93G angp,p	$D^\pm X$ 250 Wallace 94 cs	Agababyan 94C col,cor Aivazyan 91 cor,p
$\pi^- \text{Pb}$	$D^+ X + D^- X$ 250 Karchin 95 cs,p,pt	charged ⁺ charged ⁻ X 250 Agababyan 95D ang,cor,p
$\pi^- X$ 0.6242 Wise 93 angp	$D^0 X + \bar{D}^0 X$ 250 Karchin 95 cs,p,pt	Agababyan 94B ang,col Agababyan 94C col,cor
$J/\psi(1S) X$ 530 Spiegel 91 a-dep	$D_s^\pm X$ 250 Wallace 94 cs	Ajinenko 94 ang,col,cor,mass,pt Agababyan 93C col,cor,mass
$p X$ 40 Antipov 92 a-dep,p Antipov 90C a-dep,angp	$D_s^+ X + D_s^- X$ 250 Karchin 95 cs,p,pt	Agababyan 94C col,cor Ajinenko 94 ang,col,cor,mass,pt
ΛX 1.2 - 5 Smirnitsky 91 a-dep,p,pol	$K^*(892)^0 K^- X + \bar{K}^*(892)^0 K^+ X$ 250 Karchin 95 mass Wallace 94 mass	Agababyan 93C col,cor,mass Aivazyan 91 cor,p
$\pi^- X$ 3 Vorobiev 91 a-dep,angp,p,pol	$\phi(1020) \pi^+ X + \phi(1020) \pi^- X$ 250 Karchin 95 mass Wallace 94 mass	2charged ⁻ X 250 Agababyan 95D ang,cor,p
$2\pi^+ X$ 38 Chklovskaja 95 cor,pt	$K^+ 2\pi^- X + K^- 2\pi^+ X$ 250 Karchin 95 mass Wallace 94 mass	Agababyan 94B ang,col Agababyan 94C col,cor
$\pi^+ \pi^- X$ 38 Chklovskaja 95 cor,pt	nucleon K^+ < 3.105 Hyslop 92 pwa	Ajinenko 94 ang,col,cor,mass,pt Agababyan 93C col,cor,mass
$2\pi^- X$ 38 Chklovskaja 95 cor,pt	$K^+ p$	Aivazyan 91 cor,p
$p \pi^- X$ 3.15 Bayukov 94 angp,cor,p	mult[charged] X 147 Arena 95 mult 250 Aivazyan 91B col,p,pt Schmitz 91 angp,col,p,pt	$\pi^+ \pi^- X$ 80 - 140 Fiedler 91 mass
$p \rho^0 X$ 40 Antipov 93B a-dep,cs,p,pt	mult[charged] (neutrals) 147 Boca 92 col,mult,p 250 Agababyan 91 mult,p,pt	$2\pi^- X$ 250 Agababyan 95B ang,cor,p,pt Agababyan 95C ang,cor,p,pt
deuteron $\pi^- X$ 3.15 Bayukov 94 angp,cor,p	γX 250 Botterweck 91 cs,p,pt	DD < mult[charged] (neutrals) > K^+ 250 Begalli 92 mass,mult
DD < $\pi^+ 2\pi^-$ > Pb 40 Ivanshin 94 angp,mass,pwa Ananieva 92 angp,mass,pwa	$\pi^0 X$ 80 - 140 Apsimon 91 p,pt 250 Atayan 91 cs,p,pt	$K^+ \pi^- X$ 80 - 140 Gebert 92 mass
$\pi^- 208\text{Pb}$	ηX 80 - 140 Apsimon 92 p,pt 250 Atayan 91 cs,p	$K^- \pi^+ X$ 80 - 140 Gebert 92 mass
$208\text{Pb} \pi^-$ 0.07735 - 0.112 Bursleson 94 angp	$\rho^0 X$ 80 - 140 Hofmann 91 p,pt 140 Apsimon 91B angp,cs,p,pt	$K^+ K^- X$ 80 - 140 Gebert 92 mass
$\pi^- 238\text{U}$	$f_2(1270) X$ 80 - 140 Fiedler 91 cs,p,pt	DD < mult[charged] (neutrals) > p 250 Begalli 92 mass,mult
p fragt (fragts) 0 Belovitsky 91 ang,cs,p 0.1947 Belovitsky 92 ang,cs,p	$K^*(892)^0 X$ 79.9 - 140 Apsimon 93 angp,p,pt 80 - 140 Gebert 92 cs,p,pt	2charged (charged ^s) X 250 Agababyan 93C angp,col,p,pt
deuteron fragt (fragts) 0 Belovitsky 91 ang,cs,p 0.1947 Belovitsky 92 ang,cs,p	$\bar{K}^*(892)^0 X$ 79.9 - 140 Apsimon 93 angp,p,pt 80 - 140 Gebert 92 cs,p,pt	3charged X 250 Agababyan 94B ang,col Agababyan 94C col,cor Agababyan 93C col,cor,mass
^3H fragt (fragts) 0 Belovitsky 91 ang,cs,p 0.1947 Belovitsky 92 ang,cs,p	$\phi(1020) X$ 79.9 - 140 Apsimon 93 angp,p,pt 80 - 140 Gebert 92 cs,p,pt	3charged ⁺ X 250 Agababyan 94B ang,col Ajinenko 94 cor,mass Agababyan 93C col,cor,mass
^4He fragt (fragts) 0 Belovitsky 91 ang,cs,p 0.1947 Belovitsky 92 ang,cs,p	ΛX 250 Agababyan 90B angp,p	3charged ⁺ X + 3charged ⁻ X 250 Agababyan 94C col,cor
$\pi^- \text{U}$	2charged X 250 Agababyan 95D ang,cor,p	2charged ⁺ charged ⁻ X 250 Agababyan 94B ang,col Ajinenko 94 cor,mass
$\pi^- X$ 0.6242 Wise 93 a-dep	X 200 Arneodo 94 cs	

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$K^+ p \rightarrow \text{charged}^+ 2\text{charged}^- X$ $K^+ \text{Al} \rightarrow \text{mult}[\text{charged}^-] X$

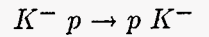
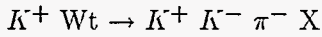
$K^+ p$		$K^+ p$		$K^+ \text{Be}$	
charged ⁺ 2charged ⁻ X 250	Agababyan 94B	$\Delta(1232 P_{33})^+ K^+$ 6	Appel 91	$K^0 X$ 11.2	Akimenko 90B a-dep,angp,p,pt
	Ajinenko 94	$p K^+ 2\pi^0$ 250	Agababyan 93B	$K_S X$ 11.2	Akimenko 92 a-dep,angp,p,pt
3charged ⁻ X 250	Agababyan 94B	$p K^+ \pi^+ \pi^-$ 250	Agababyan 93B	$K^*(892)^0 X$ 11.2	Akimenko 92B a-dep,p,pt
	Ajinenko 94		Atayan 90		
	Agababyan 93C				
DD < charged (charged) (neutrals) > K^+ 250	Begalli 92	$K^+ n$		$D^+ X$ 250	Appel 94
DD < charged (charged) (neutrals) > p 250	Begalli 92	$p K^0$ < 3.105	Hyslop 92	$D^- X$ 250	Appel 94
$p K^+$ mult[charged] (neutrals) 250	Agababyan 93B	$n K^+$ < 3.105	Hyslop 92	$D_s^+ X$ 250	Appel 94
		$p K^+ \pi^-$ 5.98	Svec 91B	$D_s^- X$ 250	Appel 94
4charged X 250	Agababyan 94B	5.98 - 11.85	Svec 93B	$\pi^+ \pi^- X$ 11.2	Akimenko 92B
	Agababyan 94C			$K^+ \pi^- X$ 11.2	Akimenko 92B
4charged ⁺ X 250	Agababyan 94B	K^+ nucleus		$K^+ 2\pi^- X$ 250	Appel 94
		charged X 100 - 200	Geist 91	$K^- 2\pi^+ X$ 250	Appel 94
4charged ⁺ X + 4charged ⁻ X 250	Agababyan 94C	$p K^+ X$ 0.4873	Berdnikov 91B	$K^+ K^- \pi^+ X$ 250	Appel 94
3charged ⁺ charged ⁻ X 250	Agababyan 94B	$p K^0 X$ 0.2507	Berdnikov 92	$K^+ K^- \pi^- X$ 250	Appel 94
2charged ⁺ 2charged ⁻ X 250	Agababyan 94B	nucleus mult[shower] X 70	Elnadi 94B		
charged ⁺ 3charged ⁻ X 250	Agababyan 94B	nucleus shower X 70	Elnadi 94B	$K^+ C$	
4charged ⁻ X 250	Agababyan 94B	deuteron K^+ (fragts) 0.3811 - 0.58	Berdnikov 91C	X 0.488 - 0.714	Sawafta 93
5charged X 250	Agababyan 94B	nucleus $p K^+ X$ 0.2507	Berdnikov 91	$K^+ X$ 0.705	Kormanyos 95 a-dep,angp,p
5charged ⁺ X 250	Agababyan 94B	nucleus 3shower X 70	Elnadi 94B	K^+ fragt (fragts) 0.705	Kormanyos 93 a-dep,angp
4charged ⁺ charged ⁻ X 250	Agababyan 94B	K^+ deuteron		X 0.488 - 0.714	Weiss 94
3charged ⁺ 2charged ⁻ X 250	Agababyan 94B	X 0.488 - 0.714	Weiss 94	$K^+ \text{Mg}$	
2charged ⁺ 3charged ⁻ X 250	Agababyan 94B	$K^+ X$ 0.705	Kormanyos 95	$\pi^+ X$ 100	Whitmore 94
charged ⁺ 4charged ⁻ X 250	Agababyan 94B	K^+ fragt (fragts) 0.705	Kormanyos 93	$\pi^- X$ 100	Whitmore 94
5charged ⁻ X 250	Agababyan 94B	deuteron K^+ < 3.105	Hyslop 92	$K^0 X + \bar{K}^0 X$ 200	Brick 92
$p K^+$ 0.705	Kormanyos 93	$2p K^0$ < 3.105	Hyslop 92	$p X$ 100	Whitmore 94
	White 94B	$p n K^+$ < 3.105	Hyslop 92	ΛX 200	Brick 92
	Appel 91	$p(\text{spect}) p K^+ \pi^-$ 5.98	Svec 91B	$\bar{\Lambda} X$ 200	Brick 92
	Appel 91				
$p K^*(892)^+$ 5.9	White 94B	$K^+ \text{Li}$		$K^+ \text{Al}$	
6	Appel 91	X 0.488 - 0.714	Sawafta 93	mult[charged] X 250	Yandarbiev 93
$\Delta(1232 P_{33})^+ K^+$ 5.9	White 94B	$K^+ {}^6\text{Li}$		mult[charged ⁺] X 250	Yandarbiev 93
	Appel 91	X 0.488 - 0.714	Weiss 94	mult[charged ⁻] X 250	Yandarbiev 93

$K^+ Al \rightarrow \text{mult}[\text{charged}] (\text{neutrals})$

$K^+ Wt \rightarrow K^+ K^- \pi^+ X$

$K^+ Al$	$K^+ Al$	$K^+ Cu$
mult[charged] (neutrals) 250 Botterweck 92 mult	ρ^0 mult[grey] X 250 Ajinenko 92 mult	K^0 X 11.2 Akimenko 90B a-dep,angp,p,pt
mult[π^-] X 250 Agababyan 92 mult	K_S mult[charged $^-$] X 250 Botterweck 92 mult	K_S X 10.5 Blick 94 - 11.2 Akimenko 92 a-dep,angp,p,pt Akimenko 92B a-dep,p,pt
mult[deuteron] X 250 Agababyan 91B angp,mult,p	$2K_S$ X 250 Botterweck 92 cs	$K^*(892)^0$ X 11.2 Akimenko 92B a-dep,p,pt
mult[grey] X 250 Agababyan 92 mult	$K^*(892)^0$ mult[grey] X 250 Ajinenko 92 mult	$K^*(892)^0$ X 11.2 Akimenko 92B a-dep,p,pt
charged X 250 Agababyan 92 p	$\bar{K}^*(892)^0$ mult[grey] X 250 Ajinenko 92 mult	D^+ X 250 Appel 94 cs,p
charged $^+$ X 250 Yandarbiev 93 p Agababyan 90C angp,p,pt	$2p$ X 250 Agababyan 95 angp,cs,p	D^- X 250 Appel 94 cs,p
charged $^-$ X 250 Yandarbiev 93 p,pt Agababyan 90C angp,p,pt	Λ mult[charged $^-$] X 250 Botterweck 92 mult	D_s^+ X 250 Appel 94 cs,p
grey X 250 Agababyan 92 a-dep,angp	ΛK_S X 250 Botterweck 92 cs	D_s^- X 250 Appel 94 cs,p
K_S X 250 Botterweck 92 a-dep,cs,mult,p,pt	2Λ X 250 Botterweck 92 cs	$e^- e^+$ X 10.5 Blick 94 mass
D^+ X 250 Appel 94 cs,p	p fragt X 250 Agababyan 95 angp,cs,p	$2\pi^0$ X 10.5 Blick 94 mass,p
D^- X 250 Appel 94 cs,p	$\pi^+ \pi^-$ mult[grey] X 250 Ajinenko 92 mass,mult	$\pi^+ \pi^-$ X 10.5 Blick 94 mass,p
D_s^+ X 250 Appel 94 cs,p	(K_S 's) K_S mult[charged] (neutrals) 250 Botterweck 92 mult	$K^+ \pi^-$ X 11.2 Akimenko 92B mass
D_s^- X 250 Appel 94 cs,p	mult[p] K_S charged $^-$ X 250 Botterweck 92 mult	$K^+ 2\pi^-$ X 250 Appel 94 mass
p X 250 Agababyan 95 angp,mult,p,pt	$K^+ \pi^-$ mult[grey] X 250 Ajinenko 92 mass,mult	$K^- 2\pi^+$ X 250 Appel 94 mass
Λ X 250 Botterweck 92 a-dep,cs,mult,p,pt	$K^- \pi^+$ mult[grey] X 250 Ajinenko 92 mass,mult	$K^+ K^- \pi^+$ X 250 Appel 94 mass
mult[charged $^+$] mult[charged $^-$] X 250 Agababyan 92 mult	$K^+ 2\pi^-$ X 250 Appel 94 mass	$K^+ K^- \pi^-$ X 250 Appel 94 mass
mult[p] mult[charged] X 250 Agababyan 91B angp,mult,p	$K^- 2\pi^+$ X 250 Appel 94 mass	4γ X 10.5 Blick 94 mass,p
mult[deuteron] mult[charged] X 250 Agababyan 91B angp,mult,p	$K^+ K^- \pi^+$ X 250 Appel 94 mass	$K^+ Ag$
mult[deuteron] mult[p] X 250 Agababyan 91B angp,mult,p	$K^+ K^- \pi^-$ X 250 Appel 94 mass	π^+ X 100 Whitmore 94 mult,p,pt
charged $^-$ mult[charged $^-$] X 250 Agababyan 90C cor,mult,pt	p (K_S 's) K_S X 250 Botterweck 92 mult	π^- X 100 Whitmore 94 mult,p,pt
mult[grey] charged X 250 Agababyan 92 mult,p	Λ (Λ 's) mult[charged] (neutrals) 250 Botterweck 92 mult	$K^0 X + \bar{K}^0 X$ 200 Brick 92 a-dep,cs,mult,p
mult[grey] charged $^-$ X 250 Agababyan 90C cor,mult,p	mult[p] Λ charged $^-$ X 250 Botterweck 92 mult	p X 100 Whitmore 94 mult,p
2charged X 250 Botterweck 90 cor,p	$p \Lambda$ (Λ 's) X 250 Botterweck 92 mult	Λ X 200 Brick 92 a-dep,cs,mult,p
2charged $^+$ X 250 Botterweck 90 cor,p	$K^+ Si$	$\bar{\Lambda}$ X 200 Brick 92 a-dep,cs,mult,p
2charged $^-$ X 250 Botterweck 90 cor,p	X 0.488 - 0.714 Sawafta 93 a-dep,cs	
π^- mult[grey] X 250 Agababyan 92 mult,p	$K^+ {}^{28}Si$	$K^+ Wt$
$2\pi^-$ X 250 Agababyan 95B ang,cor,p,pt	X 0.488 - 0.714 Weiss 94 a-dep,cs	D^+ X 250 Appel 94 cs,p
	$K^+ Ca$	D^- X 250 Appel 94 cs,p
	X 0.488 - 0.714 Sawafta 93 a-dep,cs	D_s^+ X 250 Appel 94 cs,p
	$K^+ X$ 0.705 Kormanyos 95 a-dep,angp,p Kormanyos 93 angp	D_s^- X 250 Appel 94 cs,p
	K^+ fragt (fragts) 0.705 Kormanyos 93 a-dep,angp	$K^+ 2\pi^-$ X 250 Appel 94 mass
	$K^+ {}^{40}Ca$	$K^- 2\pi^+$ X 250 Appel 94 mass
	X 0.488 - 0.714 Weiss 94 a-dep,cs	$K^+ K^- \pi^+$ X 250 Appel 94 mass

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.



$K^+ Wt$			$K^+ Au$			$K^- nucleon$		
$K^+ K^- \pi^- X$ 250	Appel 94	mass	mult[grey] charged ⁻ X 250	Agababyan 90C	cor,mult,p	$D^+ X + D^- X$ 250	Karchin 95	cs,p,pt
$K^+ Au$			2charged X 250	Botterweck 90	cor,p	$D^0 X + \bar{D}^0 X$ 250	Karchin 95	cs,p,pt
mult[charged] X 250	Yandarbiev 93 Botterweck 90	mult mult,p	2charged ⁺ X 250	Botterweck 90	cor,p	$D_s^\pm X$ 250	Wallace 94	cs
mult[charged ⁺] X 250	Yandarbiev 93	mult	2charged ⁻ X 250	Botterweck 90	cor,p	$D_s^+ X + D_s^- X$ 250	Karchin 95	cs,p,pt
mult[charged ⁻] X 250	Yandarbiev 93	mult	π^- mult[grey] X 250	Agababyan 92	mult,p	$K^*(892)^0 K^- X + \bar{K}^*(892)^0 K^+ X$ 250	Karchin 95 Wallace 94	mass mass
mult[charged] (neutrals) 250	Botterweck 92	mult	$2\pi^- X$ 250	Agababyan 95B	ang,cor,p,pt	$\phi(1020) \pi^+ X + \phi(1020) \pi^- X$ 250	Karchin 95 Wallace 94	mass mass
mult[π^-] X 250	Agababyan 92	mult	K_S mult[charged ⁻] X 250	Botterweck 92	mult	$K^+ 2\pi^- X + K^- 2\pi^+ X$ 250	Karchin 95 Wallace 94	mass mass
mult[deuteron] X 250	Agababyan 91B	angp,mult,p	$2K_S X$ 250	Botterweck 92	cs			
mult[grey] X 250	Agababyan 92	mult	$2p X$ 250	Agababyan 95	angp,cs,p	$K^- p$		
charged X 250	Agababyan 92	p	Λ mult[charged ⁻] X 250	Botterweck 92	mult	mult[charged] X 32	Bogolyubsky 94	col,mult,p
charged ⁺ X 250	Yandarbiev 93 Agababyan 90C	p angp,p,pt	$\Lambda K_S X$ 250	Botterweck 92	cs	$\pi^0 X$ 80 - 140	Apsimon 91	p,pt
charged ⁻ X 250	Yandarbiev 93 Agababyan 90C	p,pt angp,p,pt	$2\Lambda X$ 250	Botterweck 92	cs	ηX 80 - 140	Apsimon 92	p,pt
grey X 250	Agababyan 92	a-dep,angp	p fragt X 250	Agababyan 95	angp,cs,p	$\rho^0 X$ 80 - 140 140	Hofmann 91 Apsimon 91B	p,pt angp,cs,p,pt
$\pi^+ X$ 100	Whitmore 94	mult,p,pt	(K_S 's) K_S mult[charged] (neutrals) 250	Botterweck 92	mult	$f_2(1270) X$ 80 - 140	Fiedler 91	cs,p,pt
$\pi^- X$ 100	Whitmore 94	mult,p,pt	mult[p] K_S charged ⁻ X 250	Botterweck 92	mult	$K^*(892)^0 X$ 79.9 - 140 80 - 140	Apsimon 93 Gebert 92	angp,p,pt cs,p,pt
$K^0 X + \bar{K}^0 X$ 200	Brick 92	a-dep,cs,mult,p	p (K_S 's) $K_S X$ 250	Botterweck 92	mult	$\bar{K}^*(892)^0 X$ 79.9 - 140 80 - 140	Apsimon 93 Gebert 92	angp,p,pt cs,p,pt
$K_S X$ 250	Botterweck 92	a-dep,cs,mult,p,pt	Λ (Λ 's) mult[charged] (neutrals) 250	Botterweck 92	mult	$\phi(1020) X$ 79.9 - 140 80 - 140	Apsimon 93 Gebert 92	angp,p,pt cs,p,pt
$p X$ 100 250	Whitmore 94 Agababyan 95	mult,p angp,mult,p,pt	mult[p] Λ charged ⁻ X 250	Botterweck 92	mult	D (unspec) X 200 - 230	Appel 92	cs,p,pt
ΛX 200 250	Brick 92 Botterweck 92	a-dep,cs,mult,p a-dep,cs,mult,p,pt	$p \Lambda$ (Λ 's) X 250	Botterweck 92	mult	$D_s^\pm X$ 230	Appel 92	cs
$\bar{\Lambda} X$ 200	Brick 92	a-dep,cs,mult,p	$K^+ Pb$			$Y^*(unspec) X$ 11	Landsberg 94C	-
mult[charged ⁺] mult[charged ⁻] X 250	Agababyan 92	mult	$K^+ X$ 0.705	Kormanyos 95 Kormanyos 93	a-dep,angp,p angp	$\Lambda_c X$ 230	Appel 92	cs
mult[p] mult[charged] X 250	Agababyan 91B	angp,mult,p	$K^0 X$ 11.2	Akimenko 90B	a-dep,angp,p,pt	$\Xi_c(2460)^+ X$ 230	Appel 92	cs
mult[deuteron] mult[charged] X 250	Agababyan 91B	angp,mult,p	$K_S X$ 11.2	Akimenko 92B	a-dep,p,pt	$\Xi_c(2460)^0 X$ 230	Appel 92	cs
mult[deuteron] mult[p] X 250	Agababyan 91B	angp,mult,p	$K^*(892)^0 X$ 11.2	Akimenko 92B	a-dep,p,pt	$\pi^+ \pi^- X$ 80 - 140	Fiedler 91	mass
charged ⁻ mult[charged ⁻] X 250	Agababyan 90C	cor,mult,pt	$\pi^+ \pi^- X$ 11.2	Akimenko 92B	mass	$K^+ \pi^- X$ 80 - 140	Gebert 92	mass
mult[grey] charged X 250	Agababyan 92	mult,p	$K^+ \pi^- X$ 11.2	Akimenko 92B	mass	$K^- \pi^+ X$ 80 - 140	Gebert 92	mass
			$K^+ fragt$ (fragts) 0.705	Kormanyos 93	a-dep,angp	$K^+ K^- X$ 80 - 140	Gebert 92	mass
			$K^- e^-$			2charged (charged) X 32	Bogolyubsky 95	cor,mult,p col,cor,p
			$K^- e^-$ 250	Buenerd 92	angp	32.1	Boos 95	
			$K^- nucleon$			$\Xi^- K$ (hadrons) X 11	Landsberg 94C	ang,cs,mass,p,pt
			$D_s^\pm X$ 250	Wallace 94	cs	$p K^-$ 5.9	White 94B	angp

$K^- p \rightarrow p K^-$

$K^- Be \rightarrow D_s^+ X$

$K^- p$			$K^- p$			$K^- p$		
$p K^-$			$\Sigma^- \pi^+$			$p K^- \pi^+ \pi^0 \pi^-$		
6	Appel 91	cs	5.9	White 94B	angp			
10	Appel 91	cs	6	Appel 91	cs		Kwon 93	
$p K^*(892)^-$			$\Sigma(1385 P_{13})^0 \gamma$				Aston 92B	angp,mass,pwa
5.9	White 94B	angp	0	Larson 93	cs	$\Lambda K^+ \bar{K}^0 \pi^0 \pi^-$	Aston 91C	mass
6	Appel 91	cs	$\Sigma(1385 P_{13})^+ \text{meson}^-$			8.25	Landsberg 94C	mass
$p K^*(1410)^-$			11	Rensing 93	angp,cs	$\Lambda K^0 K^- \pi^+ \pi^0$		
11	Aston 92	-	$Y^*(\text{unspec}) \pi^+$			8.25	Landsberg 94C	mass
$n \bar{K}^*(1370)^0$			6.5 - 8.25	Landsberg 90	angp	$\Sigma^+ K^- \text{kaon} \pi^+ \pi^-$		
11	Aston 92	-	6.6 - 8.25	Landsberg 94C	angp,cs	8.25	Landsberg 94C	mass
$p K_0^*(1430)^-$			$\Xi^- K^+$					
11	Aston 91B	-	1.66	Iijima 92	cs	K^- nucleus		
$n \bar{K}_0^*(1430)^0$			$\Xi(1530 P_{13})^- K^+$			$K^+ X$		
11	Aston 91B	-	1.66	Iijima 92	cs	1.66	Iijima 92	a-dep,cs,p
$p K_2^*(1430)^-$			$p \bar{K}^0 \pi^-$			$\Xi^- K^+ X$		
11	Aston 92B	-	11	Aston 92	mass,pwa	1.66	Aoki 95B	p
	Aston 91C	-		Aston 91B	mass,pwa		Imai 92	cs
$n \bar{K}_2^*(1430)^0$			$n K^- \pi^+$				Aoki 91	p
11	Aston 91B	-	11	Aston 92	mass,pwa		Aoki 91E	p
$p K^*(1680)^-$			$p K^- \omega$			nucleus mult[shower] X		
11	Aston 92	-	11	Aston 93	mass,pwa	70	Elnadi 94B	mult
$n \bar{K}^*(1680)^0$				Aston 92B	mass,pwa	nucleus shower X		
11	Aston 92	-		Aston 91C	pwa	70	Elnadi 94B	cs
$p K_2(1770)^-$			$n \bar{K}^0 \phi(1020)$			dibaryon(S = -1) $K^+ X$		
11	Aston 93	-	11	Kwon 93	angp,mass,pwa	1.66	Imai 92	cs
	Aston 92B	-				dibaryon(S = -2) $K^+ X$		
$p K_3^*(1780)^-$			hyperon 2η			1.66	Itow 94	p
11	Aston 92B	-	38	Kulik 94	angp,mass	$p \Sigma^- K^+ X$		
	Aston 91C	-	hyperon $2K_S$			1.66	Itow 94	ang,p
$p K_2(1820)^-$			38	Kulik 94	angp,mass	$p \Xi^- K^+ X$		
11	Aston 93	-	$\Lambda \pi^0 \gamma$			1.66	Aoki 93	angp,p
$n \bar{K}^*(\text{unspec})^0$			0	Larson 93	mass,pol	K^- deuteron		
11	Aston 91B	-	$\Lambda \pi^+ \pi^-$			$\pi^- X$		
hyperon X(1740)			11	Aston 94	angp,mass,pwa	0.87	Piekarz 93	angp,mass
38	Kulik 94	-		Rensing 93	angp,mass,pwa	$p X$		
Λ meson⁰			$\Sigma(1385 P_{13})^+ \pi^0 \pi^-$			40	Apokin 92	asym
11	Aston 94	angp,cs	11	Rensing 93	angp,mass	dibaryon(S = -1) π^-		
	Rensing 93	angp,cs	$\Omega^- K^+ K^0$			0.87	Piekarz 93	cs
	Aston 92	-	8.25	Landsberg 94C	mass	$p \Lambda \pi^-$		
	Aston 91	-	$n 3\gamma$			0.87	Piekarz 93	angp,mass
	Dunwoodie 91	mass,pwa	0	Larson 93	cs,mass	$p \Sigma^0 \pi^-$		
$\Lambda \pi^0$				Noble 92	cs,mass	0.87	Piekarz 93	angp,mass
0	Larson 93	cs	$n \bar{K}^0 \pi^+ \pi^-$			$p \Lambda \pi^- \gamma$		
5.9	White 94B	angp	11	Aston 92	mass,pwa	0.87	Piekarz 93	angp,mass
$\Lambda \eta$				Aston 91B	mass,pwa	K^- ^3He		
11	Rensing 93	angp,cs	$\Lambda \pi^+ \pi^0 \pi^-$			$p \pi^+ X$		
$\Lambda \rho^0$			11	Rensing 93	angp,mass	0.87	Piekarz 93	angp,mass
11	Aston 94	angp,cs	$\Lambda K^+ \bar{K}^0 \pi^-$			$n \pi^+ X$		
	Rensing 93	angp,cs	8.25	Landsberg 94C	mass	0.87	Piekarz 93	angp,mass
	Aston 91	-	$\Sigma^0 K^+ \bar{K}^0 \pi^-$			dibaryon(S = -1) $p \pi^+$		
$\Lambda \omega$			8.25	Landsberg 94C	mass	0.87	Piekarz 93	cs
11	Aston 94	angp,cs	$\Sigma^- K^+ \bar{K}^0 \pi^0$			dibaryon(S = -1) $n \pi^+$		
	Rensing 93	angp,cs	8.25	Landsberg 94C	mass	0.87	Piekarz 93	cs
$\Lambda f_2(1270)$			$\Omega^- 2K^+ \pi^-$			K^- ^4He		
11	Aston 94	angp,cs	8.25	Landsberg 94C	mass	$\pi^+ X$		
	Rensing 93	angp,cs	$\Omega^- K^+ K^0 \pi^0$			0	Hayano 91	p
	Aston 91	-	8.25	Landsberg 94C	mass	$\pi^- X$		
$\Lambda \rho(1450)^0$			$\Omega^- 2K^0 \pi^+$			0	Hayano 91	p
11	Aston 91C	-	8.25	Landsberg 94C	mass	K^- Be		
$\Lambda \rho_3(1690)^0$			$n 4\gamma$			$D^+ X$		
11	Aston 94	angp,cs	0	Larson 93	cs,mass	250	Appel 94	cs,p
$\Lambda C(1480)^0$			$p K^- \pi^+ \pi^0 \pi^-$			$D^- X$		
32.5	Landsberg 90	angp,cs	11	Aston 93	mass	250	Appel 94	cs,p
$\Sigma^+ \pi^-$						$D_s^+ X$		
0.44 - 0.5	Lach 94	ang				250	Appel 94	cs,p
	Lach 93	ang						
5.9	White 94B	angp						
6	Appel 91	cs						
$\Sigma^0 \pi^0$								
0	Larson 93	cs						

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$K^- \text{Be} \rightarrow D_s^- X$ nucleon nucleon \rightarrow (showers) 11shower X

$K^- \text{Be}$	$K^- \text{Cu}$	$K^- \text{Wt}$
$D_s^- X$ 250 Appel 94 cs,p	$K^+ X$ 1.66 Iijima 92 a-dep,cs,p	$D_s^+ X$ 250 Appel 94 cs,p
$p X$ 40 Antipov 92 a-dep,p Antipov 90C a-dep,angp	$D^+ X$ 230 Kwan 93 angp,cs,p Spiegel 91 p,pt Barlag 90E angp,cs,p Appel 94 cs,p	$D_s^- X$ 250 Appel 94 cs,p
$K^+ 2\pi^- X$ 250 Appel 94 mass	$D^0 X$ 230 Kwan 93 angp,cs,p Spiegel 91 p,pt Barlag 90E angp,cs,p	$K^+ 2\pi^- X$ 250 Appel 94 mass
$K^- 2\pi^+ X$ 250 Appel 94 mass	$D^- X$ 250 Appel 94 cs,p	$K^- 2\pi^+ X$ 250 Appel 94 mass
$K^+ K^- \pi^+ X$ 250 Appel 94 mass	$D^*(2010)^+ X$ 230 Barlag 90E angp,cs,p	$K^+ K^- \pi^+ X$ 250 Appel 94 mass
$K^+ K^- \pi^- X$ 250 Appel 94 mass	$D_s^+ X$ 230 Barlag 90E angp,cs,p 250 Appel 94 cs,p	$K^+ K^- \pi^- X$ 250 Appel 94 mass
$\text{Be } K_1(1270)^-$ 40 Tyapkin 91 cs	$D_s^- X$ 250 Appel 94 cs,p	$K^- \text{Pb}$
$\text{Be } K_1(1400)^-$ 40 Tyapkin 91 cs	$p X$ 40 Antipov 92 a-dep,p Antipov 90C a-dep,angp	$K^+ X$ 1.66 Iijima 92 a-dep,cs,p
$\text{Be } K(1460)^-$ 40 Tyapkin 91 cs	$K^- \pi^+ X$ 230 Barlag 90E angp,mass,p	$p X$ 40 Antipov 92 a-dep,p Antipov 90C a-dep,angp
$\text{Be } K^- \pi^+ \pi^-$ 40 Tyapkin 91 mass,pwa	$K^+ 2\pi^- X$ 250 Appel 94 mass	$\text{Pb } K_1(1270)^-$ 40 Tyapkin 91 cs
$K^- \text{C}$	$K^- 2\pi^+ X$ 230 Barlag 90E angp,mass,p	$\text{Pb } K_1(1400)^-$ 40 Tyapkin 91 cs
$K^+ X$ 1.66 Iijima 92 a-dep,cs,p	$K^+ K^- \pi^+ X$ 230 Barlag 90E angp,mass,p	$\text{Pb } K(1460)^-$ 40 Tyapkin 91 cs
$K^- {}^{12}\text{C}$	$K^+ K^- \pi^- X$ 250 Appel 94 mass	$\text{Pb } K^- \pi^+ \pi^-$ 40 Tyapkin 91 mass,pwa
γX 0 Denisov 91 p	$K^- 2\pi^+ \pi^- X$ 230 Barlag 90E angp,mass,p	$K_L e^-$
$\pi^0 \pi^- X$ 0 Sakaguchi 90 p	$K^- 3\pi^+ \pi^- X$ 230 Barlag 90E angp,mass,p	$K_S e^-$ 250 Buenerd 92 angp
$C_s \pi^-$ 0 Sakaguchi 90 -	$\text{Cu } K_1(1270)^-$ 40 Tyapkin 91 cs	$K_L p$
$C_s^* \pi^-$ 0 Sakaguchi 90 -	$\text{Cu } K_1(1400)^-$ 40 Tyapkin 91 cs	$n K^+$ < 3.108 Hyslop 92 angp,cs,pwa
${}^{11}\text{Bor}_s p \pi^-$ 0 Sakaguchi 90 -	$\text{Cu } K(1460)^-$ 40 Tyapkin 91 cs	$K_L \text{nucleus}$
$K^- \text{Al}$	$\text{Cu } K^- \pi^+ \pi^-$ 40 Tyapkin 91 mass,pwa	$\text{nucleus } K_S$ 50 - 200 Ramberg 92B angp 70 Hsiung 92 amp Barker 91 amp Kleinknecht 91 amp Winstein 91 amp
$K^+ X$ 1.66 Iijima 92 a-dep,cs,p	$K^- \text{Ag}$	$K_L \text{Be}$
$D^+ X$ 250 Appel 94 cs,p	$K^+ X$ 1.66 Iijima 92 a-dep,cs,p	$\text{Be } K_S$ 0.114 Akhmetshin 95B cs
$D^- X$ 250 Appel 94 cs,p	$\text{Ag } K_1(1270)^-$ 40 Tyapkin 91 cs	$J/\psi(1S) \text{ nucleon}$
$D_s^+ X$ 250 Appel 94 cs,p	$\text{Ag } K_1(1400)^-$ 40 Tyapkin 91 cs	X 40 - 280 Arneodo 94 cs 150 Arneodo 95D cs
$D_s^- X$ 250 Appel 94 cs,p	$\text{Ag } K(1460)^-$ 40 Tyapkin 91 cs	nucleon nucleon
$p X$ 40 Antipov 92 a-dep,p Antipov 90C a-dep,angp	$\text{Ag } K^- \pi^+ \pi^-$ 40 Tyapkin 91 mass,pwa	$\text{charged}^- X$ 200 Sollfrank 94 mult
$K^+ 2\pi^- X$ 250 Appel 94 mass	$K^- \text{Wt}$	$K^+ X$ 200 Sollfrank 94 mult
$K^- 2\pi^+ X$ 250 Appel 94 mass	$D^+ X$ 250 Appel 94 cs,p	$K^- X$ 200 Sollfrank 94 mult
$K^+ K^- \pi^+ X$ 250 Appel 94 mass	$D^- X$ 250 Appel 94 cs,p	$p X$ 200 Sollfrank 94 mult
$K^+ K^- \pi^- X$ 250 Appel 94 mass		$\bar{p} X$ 200 Sollfrank 94 mult
$\text{Al } K_1(1270)^-$ 40 Tyapkin 91 cs		ΛX 200 Sollfrank 94 mult
$\text{Al } K_1(1400)^-$ 40 Tyapkin 91 cs		$\bar{\Lambda} X$ 200 Sollfrank 94 mult
$\text{Al } K(1460)^-$ 40 Tyapkin 91 cs		$\text{dibaryon}(S = -2) X$? Ejiri 91B -
$\text{Al } K^- \pi^+ \pi^-$ 40 Tyapkin 91 mass,pwa		(showers) 11shower X < $2.4 \cdot 10^5$ Shivpuri 94 col,mult,p

nucleon nucleon → dibaryon

p nucleon → p nucleon η

nucleon nucleon			p nucleon			p nucleon		
dibaryon (1.88 - 3.02)	Strakovskii 91	cs	mult[charged] X 800	Parashar 94 Parashar 94B	col,mult,p col,mult,p	$K^*(892)^0 K^- X + \bar{K}^*(892)^0 K^+ X$	Wallace 94	mass
$\ell^+ \ell^-$?	Berger 91	-	mult[shower] X 800	Malik 95	mult,p	$\phi(1020) \pi^+ X + \phi(1020) \pi^- X$	Karchin 95 Wallace 94	mass mass
2π ?	Berger 91	-	charged X 40	Nurushev 91	asym,pt	$2\phi(1020) X$	Burchell 92	-
2nucleon (1.88 - 3.02)	Strakovskii 91	pwa	shower X 800	Shivpuri 93C	a-dep,p	charm $\overline{\text{charm}} X$ 70	Ammosov 90B	cs
nucleon nucleus			γX 300	Yuldashev 90C	mult,p,pt	$p \pi^- X$ 3.88	Nakai 91	mass
inelastic 4.5 - 200	Schmidt 92B	a-dep,cs	$\pi^0 X$ 70	Vavilov 95C	angp,cs,p,pt cs,p	$\Lambda \text{ mult[charged}^-] X$ 300	Yuldashev 90B	cor,mult
mult[charged] (neutrals) 14.6 - 200	Schmidt 92B	a-dep,et,mult,p	ηX 70	Vavilov 95C	angp,cs,p,pt cs,p	nucleon exotic-nucleon (neutrals) 70	Landsberg 93	cs
charged X 4.5 - 200	Schmidt 92B	a-dep,cs,mult,p,pt	ωX 70	Vavilov 95C	angp,cs,p,pt cs,p	3charged X 200 - 400	Belaga 94B	cor,p
γX 14.6 - 200	Schmidt 92B	a-dep,pt	$K_S X$ 300	Yuldashev 90B	a-dep,cs,mult,p,pt	(showers) 2shower X 200 - 400	Belaga 95F Belaga 94C	ang,col,cor ang,col,cor
$\pi^+ X$ 4.5 - 200	Schmidt 92B	a-dep,cs,mult,p,pt	charm X 10 ⁵	Zatsepin 94B	cs	3 γX 70	Kurshetsov 94	mass
$\pi^0 X$ 14.6 - 200	Schmidt 92B	a-dep,pt	$D^\pm X$ 250	Wallace 94	cs	$K^+ 2\pi^- X + K^- 2\pi^+ X$ 250	Karchin 95 Wallace 94	mass mass
$\pi^- X$ 4.5 - 200	Schmidt 92B	a-dep,cs,mult,p,pt	$D^+ X + D^- X$ 250	Karchin 95	cs,p,pt	$K^+ K^- \phi(1020) X$ 400	Bertolotto 94	mass
ηX 14.6 - 200	Schmidt 92B	a-dep,pt	$D^+ X$ 800	Spiegel 91	cs	nucleon $\Sigma(1385 P_{13})^0 K^+$ (neutrals) 70	Kurshetsov 94	cs,mass,pt
$\rho^0 X$ 14.6 - 200	Schmidt 92B	a-dep,pt	$D^0 X + \bar{D}^0 X$ 250 800	Karchin 95 Jansen 93	cs,p,pt cs	$4\text{charged} X$ 200 - 400	Belaga 94B	cor,p
ωX 14.6 - 200	Schmidt 92B	a-dep,pt	$D^0 X$ 800	Spiegel 91	cs	$2K^+ 2K^- X$ 400	Bertolotto 94	mass
$K^+ X$ 4.5 - 200	Schmidt 92B	a-dep,cs,mult,p,pt	$D_s^\pm X$ 250	Wallace 94	cs	$K^+ K^- 2\phi(1020) X$?	Burchell 92	-
$K^- X$ 4.5 - 200	Schmidt 92B	a-dep,cs,mult,p,pt	$D_s^+ X + D_s^- X$ 250	Karchin 95	cs,p,pt	nucleon $\Lambda K^+ \pi^0$ (neutrals) 70	Kurshetsov 94	cs,mass,pt
$K_S X$ 4.5 - 200	Schmidt 92B	a-dep,cs,mult,p,pt	exotic-meson X 400	Bertolotto 94	cs	$5\text{charged} X$ 200 - 400	Belaga 94B	cor,p
$\phi(1020) X$ 14.6 - 200	Schmidt 92B	a-dep,pt	ΛX 300	Yuldashev 90B	a-dep,cs,mult,p,pt	$7\text{charged} X$ 200 - 400	Belaga 94B	cor,p
$J/\psi(1S) X$ 14.6 - 200	Schmidt 92B	a-dep,pt	$\bar{\Lambda} X$ 300	Yuldashev 90B	a-dep,cs,mult,p,pt	(showers) 10shower X 800	Parashar 95B	angp,col,p
$p X$ 4.5 - 200	Schmidt 92B	a-dep,cs,mult,p,pt	2charged X 200 - 400 800	Belaga 94B Parashar 94 Parashar 94B	cor,p cor,p cor,p	nucleon baryon 70	Vavilov 94B	cs
ΛX 4.5 - 200	Schmidt 92B	a-dep,cs,mult,p,pt	$\gamma \text{ mult[charged}^-] X$ 300	Yuldashev 90C	cor,mult,p	nucleon exotic-nucleon 70	Balatz 94B Kurshetsov 94 Landsberg 94B Landsberg 94C Landsberg 93	cs,pt cs,pt cs cs,pt cs
$\bar{\Lambda} X$ 4.5 - 200	Schmidt 92B	a-dep,cs,mult,p,pt	$2\gamma X$ 70	Kurshetsov 94	mass	nucleon $N\phi(1950)^+$ 70	Landsberg 94B	cs
$\Xi^- X$ 4.5 - 200	Schmidt 92B	a-dep,cs,mult,p,pt	$\pi^0 \gamma X$ 70	Kurshetsov 94	mass	p nucleon meson 70	Vavilov 94B	cs
$\Xi^+ X$ 4.5 - 200	Schmidt 92B	a-dep,cs,mult,p,pt	$K_S \text{ mult[charged}^-] X$ 300	Yuldashev 90B	cor,mult	p nucleon η 70	Kurshetsov 94	angp,mass
$\mu^- \mu^+ X$ 14.6 - 200	Schmidt 92B	a-dep,mass,pt	$K^*(892)^0 K^- X + \bar{K}^*(892)^0 K^+ X$ 250	Karchin 95	mass			
2charged X 4.5 - 200	Schmidt 92B	cor						
$2\pi^- X$ 4.5 - 200	Schmidt 92B	cor						
(showers) 11shower X < 2.4 · 10 ⁵	Shivpuri 94	col,mult,p						

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

p nucleon $\rightarrow p$ nucleon ω $p p \rightarrow \psi(2S) X$

p nucleon	p nucleon	$p p$
p nucleon ω 70 Kurshetsov 94 angp,mass	nucleon $\Lambda K^+ \pi^0$ Kurshetsov 94 cs,mass,pt	$\pi^0 X$ (53) Raha 91 pt
p nucleon η' 70 Kurshetsov 94 angp,mass	Landsberg 94B cs,mass,pt	$\pi^- X$ 0.05218 - 0.07123 Combescomets 91 angp,dme,mass
p nucleon $\phi(1020)$ 70 Balatz 94B cs,mass,pt Kurshetsov 94 cs,mass,pt Landsberg 94B cs,mass,pt Landsberg 94C cs,mass,pt Vavilov 94C mass,pt Landsberg 93 mass	$2p \bar{p}$ nucleon π^0 70 Kurshetsov 94 angp,mass 70.93 Landsberg 94C mass,pt Vavilov 94B mass,pt	69 Boos 94 p,pt 200 Adams 91F asym,p,pt Gazdzicki 91 mult Nurushev 91 asym,p,pt Yokosawa 91 asym,p Aguilarbenit 91 cs,mult,p,pt
nucleon $\Delta(1232 P_{33})^{++} \pi^-$ 70 Kurshetsov 94 cs,mass,pt Landsberg 94C cs,mass,pt	$2p \bar{p}$ nucleon 2γ 70 Landsberg 94C mass,pt 70.93 Vavilov 94B mass,pt	ηX 200 Yokosawa 92 asym Adams 91B asym Yokosawa 91 asym,p Durieux 91 p,pt Aguilarbenit 91 cs,mult,p,pt
nucleon ΛK^+ 70 Kurshetsov 94 angp,mass	$p p$ X < 0.8828 Stoks 93 pwa 1.46 - 1.7 Higuchi 93 pwa < 1.463 Lafrance 93 pwa 1.463 Vanoers 93 asym $1.5 \cdot 10^7 - 4 \cdot 10^8$ Bellandi 95 cs	$\rho^+ X$ 400 Aguilarbenit 91 cs,mult,p,pt
nucleon $\Lambda(1405 S_{01}) K^+$ 70 Kurshetsov 94 angp,mass	mult[charged] X 32 Bogolyubsky 94 col,mult,p	$\rho^0 X$ 32 Minaenko 94 p,pt 400 Aguilarbenit 91 cs,mult,p,pt
nucleon $\Lambda(1520 D_{03}) K^+$ 70 Balatz 94B cs,mass,pt Kurshetsov 94 cs,mass,pt Landsberg 94B cs,mass,pt Landsberg 94C cs,mass,pt Vavilov 94C mass,pt Landsberg 93 mass	147 Bravina 92 col,mult,p 360 Arena 95 angp,col,p 400 Singh 91 mult Shaoshun 95 cor,mult,p Zhang 95 ang,angp,col,mult,p angp,col,p	$\rho^- X$ 400 Aguilarbenit 91 cs,mult,p,pt
nucleon $\Sigma^0 K^+$ 70 Kurshetsov 94 cs,mass,pt Landsberg 94C cs,mass,pt	mult[charged] (neutrals) (11.5 - 62.2) Bhattacharje 91 mult 147 Boca 92 col,mult,p 360 Singh 91B mult,p 800 Dremin 94 mult	ωX 400 Aguilarbenit 91 cs,mult,p,pt
nucleon $\Sigma(1385 P_{13})^0 K^+$ 70 Balatz 94B cs,mass,pt Kurshetsov 94 cs,mass,pt Landsberg 94B cs,mass,pt Landsberg 94C mass,pt Vavilov 94 mass	charged X 200 Gazdzicki 91 mult (52.6) Goulios 94 mult	$f_0(975) X$ 400 Aguilarbenit 91 cs,mult
p nucleon $\pi^+ \pi^-$ 70 Kurshetsov 94 cs,mass,pt Landsberg 94C cs,mass,pt	charged $^- X$ 1.424 - 405 Gazdzicki 95 mult 200 Gazdzicki 91 mult	$f_2(1270) X$ 400 Aguilarbenit 91 cs,mult
p nucleon $K^+ K^-$ 70 Balatz 94B cs,mass,pt Kurshetsov 94 cs,mass,pt Landsberg 94B cs,mass,pt Landsberg 94C cs,mass,pt Vavilov 94C mass,pt Landsberg 93 mass	jet X (62) Breakstone 91 ang,angp,pt	$K^+ X$ 3.099 Siebert 91 angp,mass 3.099 - 3.515 Siebert 94 angp,mass 200 Gazdzicki 91 mult 400 Aguilarbenit 91 cs,mult,p,pt
$2p \bar{p}$ nucleon 70 Kurshetsov 94 angp,mass 70.93 Landsberg 94C mass,pt Vavilov 94B mass,pt	γX 200 Adams 95H asym,p,pt 300 Yuldashev 90C mult (24.3) Ballocci 94 const,p,pt Ballocci 93 const,pt Sozzi 93 pt Raha 91 pt	$K^- X$ 200 Gazdzicki 91 mult 400 Aguilarbenit 91 cs,mult,p,pt
nucleon $\Lambda K^+ \gamma$ 70 Kurshetsov 94 cs,mass,pt Landsberg 94C cs,mass,pt	$\pi^\pm X$ 200 Yokosawa 92 asym,p	$K^*(892)^+ X$ 400 Aguilarbenit 91 cs,mult
nucleon $\Lambda K^+ \pi^0$ 70 Balatz 94B cs,mass,pt	$\pi^+ X$ 13.3 - 18.5 Yokosawa 91 asym,p,pt 69 Boos 94 p,pt 200 Adams 91F asym,p,pt Gazdzicki 91 mult Nurushev 91 asym,p,pt Yokosawa 91 asym,p Aguilarbenit 91 cs,mult,p,pt	$K^*(892)^0 X$ 400 Aguilarbenit 91 cs,mult,pt
	$\pi^0 X$ 24 Yokosawa 91 asym,pt 200 Adams 94C asym,p,pt Yokosawa 92 asym,p Adams 91 asym Adams 91B asym Adams 91C asym,cs Adams 91D asym Gazdzicki 91 mult Nurushev 91 asym,p,pt Yokosawa 91 asym,p Aguilarbenit 91 cs,mult,p,pt	$\bar{K}^*(892)^0 X$ 400 Aguilarbenit 91 cs,mult,pt
		$K^*(892)^- X$ 400 Aguilarbenit 91 cs,mult
		$\phi(1020) X$ 400 Aguilarbenit 91 cs,mult,pt
		$D(\text{unspec}) X$ 200 Appel 92 cs,p,pt 370 Appel 92 p,pt 400 - 800 Rossi 91 p
		$J/\psi(1S) X$ 800 Spiegel 91 a-dep
		$\psi(2S) X$ 800 Spiegel 91 a-dep

$p p \rightarrow \Upsilon(1S) X$

$p p \rightarrow \pi^- \text{ mult[charged}^+ \text{] mult[charged}^- \text{] X}$

$p p$				$p p$				$p p$				
$\Upsilon(1S) X$	800	Mcgaughey 94	p,pt	$\mu^- \mu^+ X$	800	Nassalski 94	cs,mass,p	$2K^+ X$	400	Aguilarbenit 91		
		Spiegel 91	a-dep			Mcgaughey 92	mass,p,pt				cs,mult	
$\Upsilon(3S) X + \Upsilon(2S) X$	800	Spiegel 91	a-dep			Spiegel 91	mass	$K^+ K^- X$	27.5	Wiencke 92	p	
$p X$	9	Belzer 92	a-dep,p	$\Lambda_b e^+ X$	(62)	Bari 91	cs,p	(11.5)	Volkov 92	angp,mass		
	200	Gazdzicki 91	mult	$\text{mult}[\pi^0] \text{ mult[charged] X}$	360	Singh 91	cor,mult,p	$2K^- X$	400	Aguilarbenit 91	cs,mult	
	400	Aguilarbenit 91	cs,mult,p,pt	$2\text{charged} X$	400	Wang 95C	cor,p	$\text{charm } \overline{\text{charm}} X$	400	Appel 92	ang,cs,p,pt	
	800	Gutierrez 94	angp,mass	$2\text{charged}^+ X$	250	Aivazyan 91	cor,p	$DD < \text{mult[charged]} (\text{neutrals}) > p$	(11.5 - 62.2)	Bhattacharje 91	mult	
$n X$	1.49	Chiba 91	angp	$\text{charged}^+ \text{ charged}^- X$	27.5	Wiencke 92	mass,p,pt	$p \pi^- X$	27.5	Wiencke 92	p	
	200	Gazdzicki 91	mult	(31 - 62)	250	Aivazyan 91	cor,p	(11.5)	Volkov 92	angp,mass		
	300	Muminov 93	angp,mult,p,pt	$2\text{charged}^- X$	(31 - 62)	Breakstone 91B	cor,p	$n \pi^+ X$	1.49	Chiba 91	angp,mass	
$\bar{n} X$	200	Gazdzicki 91	mult	$2\text{jet} X$	800	Fields 92	a-dep,angp,col,et	$\bar{p} \pi^+ X$	(11.5)	Volkov 92	angp,mass	
$\bar{p} X$	200	Gazdzicki 91	mult	$2\gamma X$	2.032 - 2.251	Chiavassa 94B	mass	$p K^- X$	(11.5)	Volkov 92	angp,mass	
	400	Aguilarbenit 91	cs,mult,p,pt	200	200	Adams 94B	asym,mass	$2p X$	1.988 - 2.032	Bergdolt 93	mass,p	
$\Delta(1232 P_{33})^{++} X$	400	Aguilarbenit 91	cs,mult,p,pt	300	300	Yuldashev 90C	mass	800	800	Gutierrez 94	angp,mass	
$\Delta(1232 P_{33})^+ X$	400	Aguilarbenit 91	cs,mult,p,pt	$\bar{c} c X$	200	Lourenco 94	cs	$p n X$	1.49	Chiba 91	angp	
$\Delta(1232 P_{33})^0 X$	400	Aguilarbenit 91	cs,mult,p,pt	200.9	200.9	Lourenco 93	cs	$p \bar{p} X$	27.5	Wiencke 92	p	
$\bar{\Delta}(1232 P_{33})^0 X$	400	Aguilarbenit 91	cs,mult	800	800	Appel 92	cs,p,pt	(11.5)	Volkov 92	angp,mass		
$\bar{\Delta}(1232 P_{33})^{--} X$	400	Aguilarbenit 91	cs,mult	$\pi^+ \text{ mult[charged] X}$	(62)	Breakstone 91	ang,angp,pt	$2\bar{p} X$	400	Aguilarbenit 91	cs,mult	
$\Lambda X + \Sigma^0 X$	200	Gazdzicki 91	mult	$\pi^- \text{ mult[charged] X}$	(62)	Breakstone 91	ang,angp,pt	$\Lambda_c^+ \bar{D} X$	(62)	Bari 91B	cs	
205 - 300	205 - 300	Gazdzicki 91	p,pt	$2\pi^\pm X$	400	Aguilarbenit 91B	angp,cor,p	$e^- e^+ \text{ jet} X$	(62.3)	Angelis 91	ang,pt	
ΛX	200	Bravar 95	asym,p,pol,pt	$2\pi^+ X$	400	Aguilarbenit 91B	angp,cor	$e^- e^+ \text{ hadron} X$	(62.3)	Angelis 91	ang,mass,mult,pt	
	300	Nurushev 91	asym,p,pt	$2\pi^0 X$	200	Adams 94B	asym,mass	$\text{mult}[\pi^0] \text{ mult[vee]} \text{ mult[charged] X}$	360	Singh 91	cor,mult,p	
	200	Gazdzicki 91	mult	$\pi^+ \pi^- X$	4.2 - 10	Pluta 93	cor,mass	$2\text{charged (charged)} X$	32	Bogolyubsky 95	cor,mult,p	
	205 - 300	Gazdzicki 91	p,pt	27.5	27.5	Wiencke 92	p	69	69	Boos 95	col,cor,p	
$\Lambda(1520 D_{03}) X$	400	Aguilarbenit 91	cs,mult,p,pt	32	32	Minaenko 94	amp,mass,p	400	400	Boos 95	col,cor,p	
$\Sigma(1385 P_{13})^+ X$	400	Aguilarbenit 91	cs,mult	(11.5)	(11.5)	Volkov 92	angp,mass	$3\text{charged} X$	400	Wang 95C	cor,p	
$\Sigma(1385 P_{13})^- X$	400	Aguilarbenit 91	cs,mult	400	400	Aguilarbenit 91B	angp,cor,p	(31 - 62)	(31 - 62)	Breakstone 91B	cor,p	
$\Lambda_c^+ X$	(62)	Bari 91B	cs,p,pt	$K^+ \text{ mult[charged] X}$	(62)	Breakstone 91	ang,angp,pt	$2\text{charged}^+ \text{ charged}^- X$	(31 - 62)	Breakstone 91B	cor,p	
dibaryon X	0.05218 - 0.07123	Combescomets 91	angp,dme,mass	$K^- \text{ mult[charged] X}$	(62)	Breakstone 91	ang,angp,pt	$\text{charged}^+ 2\text{charged}^- X$	(31 - 62)	Breakstone 91B	cor,p	
$2e^- X$	5.762	Huang 94	mass,pt	$K^\pm \pi^\pm X$	400	Aguilarbenit 91B	angp,cor	$3\text{charged}^- X$	(31 - 62)	Breakstone 91B	cor,p	
$e^- e^+ X$	1.73 - 5.762	Wilson 94	cs	$K^+ \pi^- X$	(11.5)	Volkov 92	angp,mass	$\text{mult[charged] } 2\text{jet} X$	400	Fields 92	ang,angp,cor,et,mult,p	
	5.762	Wilson 93	mass	$K^- \pi^+ X$	(11.5)	Volkov 92	angp,mass	32	32	Zabrodin 95	cs,mult,p,pt	
	(62.3)	Huang 92	cs,mass,p	$2K^\pm X$	400	Aguilarbenit 91B	angp,cor	$\pi^+ \text{ mult[charged}^+ \text{] mult[charged}^- \text{] X}$	32	Zabrodin 95	cs,mult,p,pt	
		Angelis 91	mass,pt					$\pi^- \text{ mult[charged}^+ \text{] mult[charged}^- \text{] X}$	32	Zabrodin 95	cs,mult,p,pt	

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$p p \rightarrow 2\pi^\pm$ mult[charged] X $p p \rightarrow 2p f_0(1400)$

$p p$	$p p$	$p p$
$2\pi^\pm$ mult[charged] X 400 Aguilarbenit 91B angp,cor,mult	dibaryon (2.735) Ball 94B cs	dibaryon $^+ \pi^+$ 1.604 Efremenko 94 cs,mass
$3\pi^\pm$ X 400 Aguilarbenit 91B angp,cor	$2e^+$? Berger 91 -	dibaryon($S = -1$) K^+ 3.099 Siebert 91 cs
$3\pi^+$ X 400 Aguilarbenit 91B angp,cor	$\mu^+ e^+$? Berger 91 -	${}^2\text{He } \pi^0$ 0.941 Matsuoka 95 angp
$3\pi^-$ X 400 Aguilarbenit 91B angp,cor	$2\mu^+$? Berger 91 -	$2p \gamma$ 0.7988 Przewoski 92 angp,mass,p
K^- mult[charged $^+$] mult[charged $-$] X 32 Zabrodin 95 cs,mult,p,pt	nucleon ℓ^+ ? Berger 91 -	$2p$ meson 0 19 Danielsen 92 - 85 - 300 Armstrong 91 cs 450 Ishida 95 cs Abatzis 94D mass,pwa
$3K^-$ X 400 Aguilarbenit 91 cs,mult	$p e^+$? Berger 91 -	$2p \pi^0$ 0.325 - 1.012 Rappenecker 95 angp,asym,cs,p 0.6 - 0.9 Andreev 94 angp,cs,mass,p
p mult[charged $^+$] mult[charged $-$] X 32 Zabrodin 95 cs,mult,p,pt	$p \mu^+$? Berger 91 -	0.7782 - 0.8236 Bondar 95 angp,cs,mass,p
$p n \pi^+$ X 1.49 Chiba 91 angp	$\Delta(1232 P_{33})^+ e^+$? Berger 91 -	0.7857 - 0.8468 Meyer 92 cs 0.7872 Meyer 92 angp 0.7988 Przewoski 92 angp,mass,p
$p K^- \pi^+ e^-$ X (62) Bari 91B mass	$\Delta(1232 P_{33})^+ \mu^+$? Berger 91 -	1.064 - 1.168 Didenlez 91 angp,cs,p 1.463 Comptour 94 cs,p,pol
$p K^- \pi^+ e^+$ X (62) Bari 91B mass	$2\pi^+$? Berger 91 -	$p n \pi^+$ 0.7988 - 0.8384 Daehnick 95 angp,cs
$p D^0 \pi^- e^+$ X (62) Bari 91 mass,p	n charged $^{++}$ 1.037 Ram 93 cs	$2p \eta$ 1.988 - 2.032 Bergdolt 93 cs 1.994 - 2.251 Chiavassa 94 cs 2.032 - 2.251 Chiavassa 94B angp,p
4charged X 400 Wang 95C cor,p	$2p$ 0.045 Vanoers 93 cs 0.1686 - 0.5712 Henneck 93 asym,pol,pwa	$2p \rho^0$ (12 - 24) Palano 92 angp,cs 85 - 300 Armstrong 91 cs
$2p K^+ K^-$ X 800 Gutierrez 94 mass	0.221 Clajus 95 angp,pol,pwa Kretschmer 94 angp,pol,pwa	$2p \eta'$ 300 Armstrong 91C - Armstrong 91E -
$2p 2K_S$ X 800 Gutierrez 94 mass,pt	0.287 Bruckner 91B angp Bruckner 91C angp (1.93 - 1.97) Beznogikh 91C cs,pt 0.5 - 2 Kobayashi 91 asym,mass,pol	$2p f_0(975)$ (12 - 24) Palano 92 angp,cs 85 - 300 Armstrong 91 cs 450 Ishida 95 cs Kirk 94 - Singovsky 94 -
$2p 2\phi(1020)$ X 800 Gutierrez 94 mass	0.6139 Vonprzewoski 91 pol < 0.8828 Stoks 93 pwa Stoks 92 const	$2p a_0(980)^0$ 450 Alde 95B cs Donskov 95 cs
Λ_c^+ $\pi^+ 2\pi^- e^+$ X (62) Bari 91 mass,p	1 - 3 Nagata 92 pol 1.079 - 1.455 Simon 93 angp 1.087 Hoffmann 94 angp,pol 1.09 - 1.921 Nagata 92 -	$2p a_1(1260)$ 85 Palano 92 -
4charged (charged)s X 400 Wang 95C col,p Wang 94C col,mult,p Wang 94D col,mult,p Wang 94E col,p	1.103 - 1.373 Beurtey 92 asym 1.273 - 1.45 Glass 93 angp,pol 1.46 - 1.7 Higuchi 93 pwa < 1.463 Lafrance 93 pwa < 1.6 Arndt 94 pwa Arndt 92 pwa	$2p f_2(1270)$ (62) Breakstone 93 angp,cs,mass
5charged X 400 Wang 95C cor,p	2.742 - 3.026 Ball 94B angp,cs,pol 3.88 Nakai 91 p	(12 - 24) Palano 92 angp,cs 85 - 300 Armstrong 91 cs 450 Ishida 95 cs Singovsky 94 - Palano 92 -
$2p K^+ K_S \pi^-$ X 800 Gutierrez 94 mass,pt	5.9 White 94B angp 6 Appel 91 cs 10 Appel 91 cs 24 Krisch 91 pol,pt	$2p f_1(1285)$ 85 Palano 92 - 300 Armstrong 91C - Armstrong 91E - Abatzis 94D mass,pwa Kirk 94 -
$2p K_S K^- \pi^+$ X 800 Gutierrez 94 mass,pt	Nurushev 91 asym,pt Yokosawa 92 angp,asym,pol	$2p a_2(1320)$ 85 Palano 92 -
6charged (neutrals) 200 - 400 Abduzhamilov 91 col,cor	Yokosawa 91 angp,asym,pol 200 Akchurin 93 angp,asym,pol	$2p a_2(1320)^0$ 450 Alde 95B cs Donskov 95 cs
$2p 2\pi^+ 2\pi^-$ (neutrals) 27.5 Uribe 94 cor,p,pt	Pumplin 92 angp Kundrat 92 amp,angp,cs	$2p f_0(1400)$ (62) Breakstone 93 angp,cs,mass
$2p 2K^+ 2K^-$ X 800 Gutierrez 94 mass,pt	(53) Buenerd 92 angp	(12 - 24) Palano 92 angp,cs
$2p 3\pi^+ 3\pi^-$ (neutrals) 27.5 Uribe 94 cor,p,pt	$p \Delta(1232 P_{33})^+$ 0.66 Budyashov 93 cs 6 Appel 91 cs	
$2p 4\pi^+ 4\pi^-$ (neutrals) 27.5 Uribe 94 cor,p,pt	deuteron π^+ (1.88 - 3.02) Strakovskii 91 pwa 0.7405 - 0.7942 Korkmaz 91 angp,pol 1.079 - 1.455 Gulmez 93 angp 1.09 - 1.463 Nagata 92 angp Yoshida 91 angp	
10charged (charged)s X 400 Wang 95C col,p Wang 94D col,mult,p Wang 94E col,p	1.099 Abegg 91 angp,pol 2.032 - 3.204 Yonnet 93 angp,pol	
$2p 5\pi^+ 5\pi^-$ (neutrals) 27.5 Uribe 94 cor,p,pt		
$2p 6\pi^+ 6\pi^-$ (neutrals) 27.5 Uribe 94 cor,p,pt		

$p p \rightarrow 2p f_1(1420)$ $p p \rightarrow 2p K^+ K_S \pi^+ 2\pi^-$

$p p$	$p p$	$p p$	$p p$	$p p$
$2p f_1(1420)$	$2p \omega \rho^0$	$2p f_2(1270) \pi^+ \pi^-$		
85 Palano 92 -	300 Girone 94 cs	450 Antinori 95		
85 - 300 Armstrong 92 cs	Armstrong 92H cs	450 Abatzis 94D cs, mass, pwa		
300 Armstrong 91E -	$2p 2\omega$	450 Antinori 95 cs		
$2p \rho(1450)$	300 Girone 94 cs	$2p f_0(1525) \pi^+ \pi^-$		
450 Kirk 94 -	Armstrong 92H cs	85 - 300 Antinori 95 cs		
$2p \rho(1450)^0$	$2p a_0(980)^+ \pi^- + 2p a_0(980)^- \pi^+$	450 Antinori 95 cs		
85 - 300 Antinori 95 cs	300 Armstrong 91E -	$2p K \bar{K} \pi$		
450 Antinori 95 cs	$2p a_2(1320)^+ \pi^- + 2p a_2(1320)^- \pi^+$? Burchell 92 -		
$2p f_2(1520)$	300 Armstrong 91E -	$2p K^+ K^- \pi^0$		
300 Prokoshkin 90 cs	$2p a_2(1320)^+ \pi^-$	85 - 300 Armstrong 92 mass		
$2p f_2'(1525)$	85 - 300 Antinori 95 cs, mass, pwa	$2p K^+ K_S \pi^-$		
85 - 300 Armstrong 91 cs	450 Antinori 95 cs, mass, pwa	27.5 Hartouni 94 mass, p		
300 Palano 92 angp	Abatzis 94D mass, pwa	85 Palano 92 mass		
450 Sadovsky 94 -	$2p a_2(1320)^- \pi^+$	85 - 300 Armstrong 92 mass		
Singovsky 94 -	85 - 300 Antinori 95 cs, mass, pwa	800 Gutierrez 94 mass, pt		
$2p f_0(1590)$	450 Antinori 95 cs, mass, pwa	$2p K_S K^- \pi^+$		
450 Sadovsky 94 -	Abatzis 94D mass, pwa	27.5 Hartouni 94 mass, p		
Singovsky 94 -	$2p K^+ K^- \phi(1020)$	85 Palano 92 mass		
$2p f_J(1710)$	450 Antinori 95 cs, mass, pwa	85 - 300 Armstrong 92 mass		
(62) Breakstone 93 angp, cs, mass	Abatzis 94D mass, pwa	800 Gutierrez 94 mass, pt		
85 - 300 Armstrong 91 cs	$2p K^0 \bar{K}^0$	$2p \pi^+ \pi^- 2\gamma$		
300 Palano 92 angp	(24) Palano 92 mass	300 Armstrong 91E mass, p		
Prokoshkin 90 cs	$2p K^+ K^-$	$2p 2\pi^+ 2\pi^-$		
$2p f_2(1020)$	85 - 300 Armstrong 91 amp, mass, p	450 Abatzis 94D mass		
85 - 300 Antinori 95 cs	300 Palano 92 mass, pwa	(62) Breakstone 93 angp, cs, mass, pwa		
450 Antinori 95 cs	Prokoshkin 90 dme, mass	32 Bogolyubsky 93 mass, p, pt		
$2p X(1050)$	(24) Palano 92 mass	85 Palano 92 mass		
450 Kirk 94 -	800 Gutierrez 94 mass	85 - 300 Antinori 95 angp, mass, pwa		
$2p f_2(2150)$	(63) Palano 92 mass, pwa	450 Antinori 95 angp, mass, pwa		
450 Sadovsky 94 -	? Burchell 92 -	Abatzis 94D mass		
Singovsky 94 -	$2p 2K_S$	Kirk 94 angp, mass		
$2p \phi(1020)$	300 Palano 92 mass, pwa	Palano 92 mass, pwa		
85 - 300 Armstrong 91 cs	Prokoshkin 90 dme, mass	(63) Palano 92 mass, pwa		
300 Palano 92 angp	800 Gutierrez 94 mass, pt	$2p \rho^+ \pi^+ 2\pi^-$		
DD < ΛK^+ > p	? Burchell 92 -	300 Armstrong 92H cs, mass		
(62.8) Smith 92 angp, mass, pol	$2p \phi(1020) \omega$	$2p \rho^0 \pi^+ \pi^0 \pi^-$		
$p \Sigma(1385 P_{13})^0 K^+$	300 Girone 94 cs	300 Armstrong 92H cs, mass		
70 Balatz 93 mass	$2p 2\phi(1020)$	300 Armstrong 92H cs, mass		
$2p 2\pi^0$	85 Bertolotto 94 cs	$2p \rho^- 2\pi^+ \pi^-$		
85 - 300 Armstrong 91 mass	800 Gutierrez 94 mass	300 Armstrong 92H cs, mass		
450 Donskov 95 mass	$2p \Lambda \bar{\Lambda}$	$2p 2K^+ 2K^-$		
Ishida 95 mass	27.5 Hartouni 94 mass, p	85 Bertolotto 94 cs, mass		
Singovsky 94 mass, p	$2p \pi^+ \pi^- \gamma$	800 Gutierrez 94 mass, pt		
$2p \pi^+ \pi^-$	300 Armstrong 91C mass	$3p \bar{\Lambda} K_S \pi^-$		
1.604 Efremenko 94 cs, mass	$2p \pi^+ \pi^0 \pi^-$	27.5 Hartouni 94 mass, p		
(12 - 24) Palano 92 mass	19 Danielsen 92 mass	$2p \Lambda \bar{\Lambda} \pi^+ \pi^-$		
85 - 300 Armstrong 91 amp, mass, p	85 Palano 92 mass	27.5 Hartouni 94 mass, p		
450 Kirk 94 mass, p	85 - 300 Armstrong 91 mass	$2p 2\pi^+ \pi^0 2\pi^-$		
(63) Palano 92 mass, pwa	$2p \eta 2\pi$	300 Armstrong 92H cs, mass		
$2p \eta \pi^0$? Burchell 92 -	$2p \rho^+ \pi^+ 2\pi^-$		
450 Alde 95B amp, mass	$2p \eta \pi^+ \pi^-$	300 Armstrong 92H cs, mass		
Donskov 95 amp, mass	85 Palano 92 mass	$2p 2\pi^+ \pi^0 2\pi^-$		
$2p 2\eta$	300 Armstrong 92H cs, mass	300 Armstrong 92H cs, mass		
450 Sadovsky 94 mass	Armstrong 91E ang, mass, p, pwa	$2p \rho^0 \pi^+ \pi^0 \pi^-$		
Singovsky 94 mass, p	$2p \rho^0 \pi^+ \pi^-$	300 Armstrong 92H cs, mass		
$2p \rho \gamma$	32 Bogolyubsky 93 cs	$2p \rho^- 2\pi^+ \pi^-$		
? Burchell 92 -	85 - 300 Antinori 95 cs, mass, pwa	300 Armstrong 92H cs, mass		
$2p \rho^0 \gamma$	450 Antinori 95 cs, mass, pwa	$2p 2K^+ 2K^-$		
85 Palano 92 mass	Abatzis 94D mass, pwa	85 Bertolotto 94 cs, mass		
300 Armstrong 91C angp, mass	(62) Breakstone 93 angp, cs, mass, pwa	800 Gutierrez 94 mass, pt		
$2p 2\rho^0$	$2p \omega \pi^+ \pi^-$	$3p \bar{\Lambda} K_S \pi^-$		
(62) Breakstone 93 angp, cs, mass, pwa	300 Armstrong 92H cs, mass	27.5 Hartouni 94 mass, p		
300 Girone 94 ang, cs, mass, pwa	$2p f_2(1270) \pi^+ \pi^-$	$2p \Lambda \bar{\Lambda} \pi^+ \pi^-$		
450 Abatzis 94D mass, pwa	85 - 300 Antinori 95 cs, mass, pwa	27.5 Hartouni 94 mass, p		
$2p \rho^+ \rho^-$		$2p 2\pi^+ \pi^0 2\pi^-$		
300 Girone 94 ang, cs, mass, pwa		300 Armstrong 92H cs, mass		
		Armstrong 91E mass, p		
		$2p K^+ K_S \pi^+ 2\pi^-$		
		27.5 Hartouni 94 mass, p		

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$p p \rightarrow 2p K_S K^- 2\pi^+ \pi^-$ $p \text{ nucleus} \rightarrow \pi^+ X$

$p p$	$p n$	$p \text{ nucleus}$
$2p K_S K^- 2\pi^+ \pi^-$ 27.5 Hartouni 94 mass,p	nucleon ℓ^+ ? Berger 91	mult[shower] X 200 - 400 Ghosh 93D mult,p Aggarwal 91 cor,mult,p Ghosh 94 col,mult Ghosh 94C col,mult Nasr 92 mult Shivpuri 94C angp,col,mult,p Verma 94 angp,col,mult,p Mukhopadhyay 93 angp,mult,p Mukhopadhyay 93C mult,p Shivpuri 93 a-dep,col,mult,p Shivpuri 93D angp,col,mult,p Golde 92 mult,p Jain 92F mult,p Shivpuri 91 mult,p
$p \Lambda K^+ 2\pi^+ 2\pi^-$ 27.5 Hartouni 94 mass,p	$n e^+$? Berger 91	
$3p \bar{\Lambda} K^- \pi^+ \pi^-$ 27.5 Hartouni 94 mass,p	$n \mu^+$? Berger 91	
$2p 2\pi^+ 2\pi^0 2\pi^-$ 300 Armstrong 92H cs,mass	$\Delta(1232 P_{33})^0 e^+$? Berger 91	
$3p \bar{\Lambda} K_S \pi^+ 2\pi^-$ 27.5 Hartouni 94 mass,p	$\Delta(1232 P_{33})^0 \mu^+$? Berger 91	
$2p \Lambda \bar{\Lambda} 2\pi^+ 2\pi^-$ 27.5 Hartouni 94 mass,p	$\pi^+ \pi^0$? Berger 91	
$2p K^+ K_S 2\pi^+ 3\pi^-$ 27.5 Hartouni 94 mass,p	$p n$ 0.6103 Klomp 91 angp,asym 1.273 - 1.45 Glass 93 angp,pol	
$2p K_S K^- 3\pi^+ 2\pi^-$ 27.5 Hartouni 94 mass,p	dibaryon π^- 1.98 Abramov 94 cs Abramov 92 cs	
$p \Lambda K^+ 3\pi^+ 3\pi^-$ 27.5 Hartouni 94 mass,p	${}^2\text{He} \pi^-$ 0.941 Matsuoka 95 angp	mult[gray] X 0.1441 - 200.9 Otterlund 91 mult 4.5 Ahmad 93C mult 4.911 - 200 Adamovich 91B mult 200.9 Dabrowska 93C mult 300 - 400 Drndarevic 95 mult 800 Shivpuri 95B mult Golde 92 mult
$3p \bar{\Lambda} K^- 2\pi^+ 2\pi^-$ 27.5 Hartouni 94 mass,p	$2p \pi^-$ 1.97 Abramov 91F cs 1.98 Abramov 94 mass,p Abramov 92 cs,mass,p	
$3p \bar{\Lambda} K_S 2\pi^+ 3\pi^-$ 27.5 Hartouni 94 mass,p	$p \text{ nucleus}$	
$2p \Lambda \bar{\Lambda} 3\pi^+ 3\pi^-$ 27.5 Hartouni 94 mass,p	inelastic 10 - 1.5 · 10 ⁴ Mielke 94 cs 60 - 800 Geist 91 a-dep,cs 3 · 10 ⁶ - 7 · 10 ⁸ Kalmykov 95 cs 1.48 · 10 ⁷ - 4 · 10 ⁸ Honda 93 cs 1.5 · 10 ⁷ - 4 · 10 ⁸ Bellandi 95 cs	mult[htrack] X 4.5 Ahmad 93C mult 200 - 400 Aggarwal 91 mult
$2p K^+ K_S 3\pi^+ 4\pi^-$ 27.5 Hartouni 94 mass,p	$\nu_e X + \bar{\nu}_e X$ 70 Ammosov 92B cs	mult[black] X 0.1441 - 200.9 Otterlund 91 mult 4.5 Ahmad 93C mult 4.911 - 200 Adamovich 91B mult 200.9 Dabrowska 93C mult 800 Golde 92 mult
$2p K_S K^- 4\pi^+ 3\pi^-$ 27.5 Hartouni 94 mass,p	$\nu_\mu X$ 70 Ammosov 92B cs	charged X 100 - 200 Geist 91 a-dep,mult
$p \Lambda K^+ 4\pi^+ 4\pi^-$ 27.5 Hartouni 94 mass,p	$\mu^\pm X$ 1.766 - 200 Ambrosio 95 angp,p 10 ⁶ - 5 · 10 ⁷ Nikolsky 92 mult	charged ⁻ X 2.3 - 360 Gazdzicki 95 a-dep,mult
$3p \bar{\Lambda} K^- 3\pi^+ 3\pi^-$ 27.5 Hartouni 94 mass,p	$\bar{\nu}_\mu X$ 70 Ammosov 92B cs	hadron X 400 Geist 91 a-dep,pt 10 ⁶ - 10 ⁸ Nikolsky 93 p 2.3 · 10 ⁶ - 10 ⁸ Nikolsky 92 mult,p
	$\mu^+ X$ 1.45 Freedman 93	longlived ⁰ X 450 Akesson 90G cs
	$(\pi^\pm\text{'s}) X$ 60 - 200 Stocker 95 col,cor Schmidt 92 col,cor	shower X 4.5 Ahmad 95 mult 200 - 400 Adamovich 93C a-dep,mult,p 400 - 800 Shivpuri 94B p 800 Soni 94 a-dep,mult,p Mukhopadhyay 93C mult,p Shivpuri 93B mult,p Shivpuri 93C a-dep,p Shivpuri 93D p Golde 92 p Jain 92F mult,p Melku 91 mult,p 3 · 10 ⁶ - 7 · 10 ⁸ Kalmykov 95 p
	$(\pi^+\text{'s}) X$ 4.9 Schmidt 92 col,cor	grey X 4.5 Ahmad 95 mult 200.9 Dabrowska 93C mult
	$(p\text{'s}) X$ 4.9 Schmidt 92 col,cor 60 - 200 Stocker 95 col,cor Schmidt 92 col,cor	black X 4.5 Ahmad 95 mult 200.9 Dabrowska 93C mult
	mult[charged] X 0.1441 - 200.9 Otterlund 91 mult 4.911 - 200 Adamovich 91B mult 59.99 - 800 Schmitz 91 col,p 200 - 400 Ghosh 93C mult,p 500 - 9500 Ghosh 93C mult,p 800 Mukhopadhyay 93D mult,p Jain 92G ang,col,mult,p	γX 2.3 · 10 ⁶ - 10 ⁸ Nikolsky 92 mult,p
	mult[p] X 300 - 400 Drndarevic 95 mult	c X 400 Rossi 91 a-dep
	mult[frag] X 800 Dheer 95 col,mult,p	$\pi^+ X$ 1.45 Freedman 93 - 4.5 Krakauer 91B - 4.911 - 200 Adamovich 91B mult 4.5 Litvinenko 93 a-dep,angp,cs,p
	mult[shower] X 0.1441 - 200.9 Otterlund 91 mult 4.5 Ahmad 93C mult 4.911 - 200 Adamovich 91B mult 70 Maity 95 mult,p	
	mult[charged] (neutrals) (13.8 - 27.5) Bhattacharje 91 mult	
	charged ⁻ X 1.25 - 400 Gazdzicki 95 mult	
	γX 300 Yuldashev 90C mult	
	ηX 2.032 - 2.251 Chiavassa 94B angp,p	
	$K^+ X$ 200 Gazdzicki 91 mult	
	$K^- X$ 200 Gazdzicki 91 mult	
	$K_S X$ 200 Gazdzicki 91 mult	
	$p X$ 200 Gazdzicki 91 mult	
	$n X$ 200 Gazdzicki 91 mult	
	$\bar{n} X$ 200 Gazdzicki 91 mult	
	$\bar{p} X$ 200 Gazdzicki 91 mult	
	$\Lambda X + \Sigma^0 X$ 200 Gazdzicki 91 mult	
	$\bar{\Lambda} X + \bar{\Sigma}^0 X$ 200 Gazdzicki 91 mult	
	$2\gamma X$ 300 Yuldashev 90C mass	
	DD < mult[charged] (neutrals) > p (27.5) Bhattacharje 91 mult	
	$e^+ \bar{\nu}$? Berger 91	
	$\mu^+ \bar{\nu}$? Berger 91	

p nucleus $\rightarrow \pi^+ X$ p nucleus $\rightarrow p$ hadron $^- X$

p nucleus	p nucleus	p nucleus
$\pi^+ X$ 4.5 - 8.9 70 - 400	Bondarev 93 Geist 91	angp,p a-dep,p,pt
$\pi^- X$ 4.5 4.5 - 8.9 70 - 400	Litvinenko 93 Bondarev 93 Geist 91	a-dep,angp,cs,p angp,p a-dep,p,pt
$\rho^0 X$ 70 - 400 100	Geist 91 Walker 91	a-dep,p,pt mult
ωX 100	Walker 91	mult
$f_2(1270) X$ 100	Walker 91	mult
$K^+ X$ 4.5 - 8.9 70 - 400	Bondarev 93 Geist 91	angp,p a-dep,p,pt
$K^- X$ 4.5 - 8.9 70 - 400	Bondarev 93 Geist 91	angp,p a-dep,p,pt
$K_S X$ 70 - 400 360	Geist 91 Hsiung 92 Iconomidoufa 91 Kleinknecht 91 Winstein 91	a-dep,p,pt - - - -
$K_L X$ 450	Hsiung 92 Iconomidoufa 91 Kleinknecht 91 Winstein 91	- - - -
$\phi(1020) X$ 70 - 400	Geist 91	a-dep,p,pt
charm X 800	Spiegel 91	p,pt
$D(\text{unspec}) X$ 370	Appel 92	a-dep
$D X$ 800	Lipton 92	a-dep,p,pt
$D^+ X$ 340 800	Adamovich 93D Kodama 92 Kodama 91 Potter 91	mult cs cs,p,pt cs
$D^0 X$ 800	Freyberger 94 Kodama 91 Kodama 91C Potter 91	- cs,p,pt cs cs
$D^- X$ 340	Adamovich 93D	mult
$J/\psi(1S) X$ 200 800	Geist 91 Garbincius 94 Rossi 91	a-dep,pt a-dep,p,pt a-dep,p,pt
$\psi(2S) X$ 800	Garbincius 94	a-dep,p,pt
bottom X 800	Atwood 91	-
$\Upsilon(1S) X$ 800	Garbincius 94 Rossi 91	a-dep,p,pt a-dep,p,pt
$p X$ 1 - 12 4.5 4.5 - 8.9 70 - 400	Nakai 91 Litvinenko 93 Bondarev 93 Geist 91	angp,p a-dep,angp,cs,p angp,p a-dep,p,pt
$n X$ 1 - 12	Nakai 91	angp,p
$\bar{p} X$ 70 - 400	Geist 91	a-dep,p,pt
$\Delta(1232 P_{33})^{++} X$ 20.8	Gulamov 91	cs,mult
ΛX 70 - 400	Geist 91	a-dep,p,pt
$\bar{\Lambda} X$ 70 - 400	Geist 91	a-dep,p,pt
$\Sigma^+ X$ 800	Lach 94 Cooper 93 Lach 93 Chen 92B Foucher 92 Lach 92	- p,pol - - -
$\Sigma^- X$ 24	Lach 93 Lach 92	p angp,p
$\bar{\Sigma}^- X$ 800	Cooper 93	p,pol
$\Xi^0 X$ 70 - 400	Geist 91	a-dep,p,pt
$\Xi^- X$ 800	Cooper 93	p
$\Omega^- X$ 800	Cooper 93	p
charmed-nucleus X 70 250	Bunyatov 92 Bunyatov 92	cs cs
deuteron X 4.5 - 8.9	Bondarev 93	angp,p
dibaryon($S = -2$) X 10	Shakhbazyan 94	p
dibaryon($S = -2$) $^+ X$ 10	Shakhbazyan 94	p
supernucleus X 70 250	Bunyatov 92 Bunyatov 92	cs cs
$\mu^- \mu^+ X$ 800	Garbincius 94 Leitch 92 Alde 91 Leitch 91 Alde 90B	a-dep,mass,p,pt mass mass a-dep,mass,p,pt mass
mult[grey] mult[fragb] X 200.9	Dabrowska 93C	mult
mult[grey] mult[shower] X 4.5 800	Ahmad 95 Parashar 95 Shivpuri 95 Shivpuri 93C	mult col,mult,p mult cor,mult
mult[htrack] mult[shower] X 4.5 70 200 - 400 400	Ahmad 95 Maity 95 Aggarwal 91 Nasr 92	mult mult,p cor,mult,p mult
mult[htrack] mult[grey] X 4.5	Ahmad 95	mult
mult[black] mult[fragb] X 200.9	Dabrowska 93C	mult
mult[black] mult[shower] X 4.5	Ahmad 95	mult
mult[black] mult[grey] X 4.5 4.542 200.9	Ahmad 95 Andreeva 95B Andreeva 95B Dabrowska 93C	mult cor,mult cor,mult mult
mult[htrack] mult[black] X 4.5	Ahmad 95	mult
2charged X 200 - 400	Belaga 94B	cor,p
2hadron X 400	Geist 91	a-dep,pt
hadron $^+$ hadron $^- X$ 400	Fields 92	mass,pt
mult[grey] shower X 4.5 400 - 800	Ahmad 93C Shivpuri 94B	cor,mult cor,mult,p mult,p
800	Soni 94 Golde 92	cor,mult,p
mult[htrack] shower X 4.5 10	Ahmad 93C Bobodjanov 91	cor,mult angp,mult
70	Bobodjanov 91	angp,mult
200 - 400 800	Bobodjanov 91 Soni 94	mult mult,p
mult[black] shower X 4.5 800	Ahmad 93C Soni 94	cor,mult mult,p
2shower X 1000	Melku 91	cor,p
grey mult[shower] X 4.5	Ahmad 93C	cor,mult
mult[htrack] grey X 10 70 200 - 400 800	Bobodjanov 91 Bobodjanov 91 Bobodjanov 91 Soni 94	mult mult mult mult,p
mult[black] grey X 800	Soni 94	mult,p
htrack mult[shower] X 4.5	Ahmad 93C	cor,mult
htrack mult[grey] X 800	Soni 94	mult,p
htrack mult[black] X 800	Soni 94	mult,p
black mult[shower] X 4.5	Ahmad 93C	cor,mult
black mult[grey] X 800	Soni 94	mult,p
mult[htrack] black X 200 - 400 800	Bobodjanov 91 Soni 94	mult mult,p
$\bar{c} c X$ 70 350 800	Ammosov 92B Appel 92 Spiegel 91	cs ang angp,mass,p,pt
$\pi^+ \text{hadron}^- X$ 400	Fields 92	mass,pt
$\pi^- \text{hadron}^+ X$ 400	Fields 92	mass,pt
$\pi^+ \pi^- X$ 400	Fields 92	mass,pt
$K^+ \text{hadron}^- X$ 400	Fields 92	mass,pt
$K^- \text{hadron}^+ X$ 400	Fields 92	mass,pt
$K^+ \pi^- X$ 400 800	Fields 92 Leitch 92	mass,pt mass
$K^- \pi^+ X$ 400	Fields 92	mass,pt
$K^+ K^- X$ 400	Fields 92	mass,pt
charm $\bar{\text{charm}} X$ 300 800	Appel 92 Kwan 93 Kodama 91B	a-dep ang,cor,p,pt ang,angp,cor,mass,mult,p,pt cs
$p \text{hadron}^- X$ 400	Fields 92	mass,pt

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

p nucleus \rightarrow \bar{p} hadron⁺ X p ⁴He \rightarrow p X

p nucleus	p nucleus	p nucleus	p deuteron
\bar{p} hadron ⁺ X	(showers) 6shower X	hadron X	2γ X
400 Fields 92 mass,pt	400 Ghosh 93 mult,p	450 Akesson 92B et	2.032 - 2.251 Chiavassa 94B mass
p htrack X	(showers) 10shower X	γ X	$p \pi^+$ X
20.8 Gulamov 91 mult,p,pt	800 Parashar 95B	0.5414 - 0.6356 Clauton 92 angp,cs,p	3.88 Nakai 91 mass
$p \gamma$ X	15htrack (htracks) (showers) 2shower X	π^+ X	$p \pi^-$ X
800 Foucher 92 ang,mass	200 - 800 Sengupta 93 col,mult,p	π^- X	3.88 Nakai 91 mass
$p \pi^+$ X	(showers) 45shower X	η X	³ He dibaryon X
20.8 Gulamov 91 mass,p,pt	800 Shivpuri 93B	$J/\psi(1S)$ X	1.6 Nagata 92 -
$p \pi^-$ X	nucleus p	$\psi(2S)$ X	deuteron p
400 Fields 92 mass,pt	185 Yokosawa 92 angp,col,mult,p	800 Leitch 92 a-dep,cs	0.002 - 0.004 Shimizu 95 angp,pol
$\bar{p} \pi^+$ X	nucleus $p \pi^+ \pi^-$	Leitch 91 a-dep	0.07509 Knutson 93 angp,pol,pwa
400 Fields 92 mass,pt	1.604 Vorobiev 94C mass,mass	$\psi(3770)$ X	0.09699 - 0.1847 Sagara 94 angp,pol
$p K^-$ X	p deuteron	800 Alde 91D p,pt	0.6418 - 1.032 Burzynski 94 angp
400 Fields 92 mass,pt	hadron X	$\Upsilon(1S)$ X	1.271 - 1.455 Gulmez 91 angp
$\bar{p} K^+$ X	γ X	800 Leitch 92 a-dep,cs,p,pt	dibaryon p
400 Fields 92 mass,pt	0.5414 - 0.6356 Clauton 92 angp,cs,p	Alde 91D a-dep,cs,p,pt	0.9613 Burmistrov 95 cs
$2p$ X	π^+ X	Leitch 91 a-dep	1.696 Aleshin 91 cs
200 Albrecht 94E a-dep,cor	4.45 - 8.9 Averichev 95 angp,p	$\psi(3770)$ X	³ He η
$p \bar{p}$ X	π^- X	800 Alde 91D p,pt	0.05308 Kessler 93 -
400 Fields 92 mass,pt	1.45 - 2.7 Aslanides 91 cs,mass,p,pol	$\Upsilon(3S)$ X + $\Upsilon(2S)$ X	1.573 Abegg 94 -
$K^- \pi^+ \mu^+$ X	η X	800 Leitch 92 a-dep,cs,p,pt	³ He ω
800 Kodama 92 mass	2.032 - 2.251 Chiavassa 94B angp,p	Alde 91 a-dep,cs,p,pt	2.032 - 2.679 Wurzinger 95 angp,p
2charged (charged) X	$J/\psi(1S)$ X	800 Leitch 92 a-dep,cs	$2p \pi$
400 Boos 95 col,cor,p	800 Conrad 95 a-dep,cs,p	Leitch 91 a-dep	0.3553 Allet 94 ang,angp,p,pol
Ghosh 95C col,p	800 Leitch 92 a-dep,cs,p,pt	Alde 91D p,pt	0.6444 Pairsuwan 95 angp,p
3charged X	$\psi(2S)$ X	800 Leitch 92 a-dep,cs,p,pt	0.6649 Calen 93 angp,cs,mass
200 - 400 Belaga 94B cor,p	800 Leitch 92 a-dep,cs	Alde 91D a-dep	0.8081 - 0.9543 Sakai 94 angp,p,pol
(showers) 2shower X	$\psi(3770)$ X	800 Alde 91D p,pt	0.8354 - 1.082 Mercer 93 angp,pol
4.5 Ghosh 94B ang,col	800 Alde 91D p,pt	800 Leitch 92 a-dep,cs,p,pt	1.082 Taddeucci 94 angp,cs,pol
70 Maity 95 col	$\Upsilon(1S)$ X	800 Leitch 92 a-dep,cs,p,pt	1.084 Chen 93 angp,cs,pol
Maity 93 col	800 Leitch 92 a-dep,cs,p,pt	Alde 91 a-dep	Mcclelland 92 angp,cs,pol
200 - 400 Belaga 95F ang,col,cor	$\Upsilon(1S)$ X	800 Leitch 92 a-dep,cs,p,pt	1.273 - 1.45 Glass 93 angp,pol
Belaga 94C ang,col,cor	800 Leitch 92 a-dep,cs,p,pt	Alde 91 a-dep	1.696 Aleshin 94B cor
200 - 800 Sengupta 93 col,mult,p	$\psi(2S)$ X	800 Leitch 92 a-dep,cs	Aleshin 91 angp,p
200.9 Dabrowska 95B angp,col,p	800 Leitch 92 a-dep	Leitch 91 a-dep	deuteron $p \gamma$
800 Parashar 95C col,mult,p	$\psi(3770)$ X	800 Alde 91D p,pt	0.9613 Burmistrov 95 angp,p
Jain 93B angp,col,mult,p	800 Alde 91D p,pt	800 Leitch 92 a-dep,cs,p,pt	deuteron $p \pi^0$
Shivpuri 93B angp,col,mult,p	$\Upsilon(1S)$ X	800 Leitch 92 a-dep,cs,p,pt	0.6592 - 0.7998 Rohdjess 93 cs
Shivpuri 93D angp,col,p	800 Leitch 92 a-dep,cs,p,pt	Alde 91 a-dep	p ³ He
2grey (greys) X	$\Upsilon(3S)$ X + $\Upsilon(2S)$ X	800 Leitch 92 a-dep,cs,p,pt	deuteron X
4.5 Ghosh 94B ang,col	800 Leitch 92 a-dep,cs,p,pt	Alde 91 a-dep	1.46 Nagata 92 angp,pol
400 Ghosh 94 angp,col	p X	800 Leitch 92 a-dep,cs,p,pt	$2p$ X
2black (blacks) X	0.6418 - 1.032 Burzynski 94 angp	Alde 91 a-dep	0.6409 Miller 95 angp,cs,pol
4.5 Ghosh 94B ang,col	1.09 Barlett 91 angp,pol	800 Leitch 92 a-dep,cs,p,pt	0.6792 - 0.7927 Hausser 91 asym,p,pol
$\pi^+ \pi^-$ mult[grey] X	4.45 - 8.9 Averichev 95 angp,p	Alde 91 a-dep	0.7927 Rahav 92B ang,dme,p,pt
100 Walker 91 mass	9 Belzer 92 a-dep,p	800 Leitch 92 a-dep,cs,p,pt	Rahav 92C angp,p
p neutral (neutrals) X	n X	800 Leitch 92 a-dep,cs,p,pt	$p \pi$ X
800 Foucher 92 ang,mass	1.457 Prout 95 angp,p	Alde 91 a-dep	0.6409 Miller 95 angp,cs,pol
$p \pi^+$ (showers) X	Prout 94 angp,cs,p,pol	800 Leitch 92 a-dep,cs,p,pt	0.6792 - 0.7927 Hausser 91 asym,p,pol
20.8 Gulamov 91 ang,angp,cor	³ He X	Alde 91 a-dep	0.7927 Rahav 92B ang,dme,p,pt
4charged X	1.6 Nagata 92 angp,mass	800 Leitch 92 a-dep,cs,p,pt	Rahav 92C angp,p
200 - 400 Belaga 94B cor,p	$2e^-$ X	800 Leitch 92 a-dep,cs,p,pt	³ He p
mult[grey] (showers) 2shower X	5.762 Huang 94 mass,pt	Alde 91 a-dep	0.2 - 0.5 Brash 95 angp,p,pol
800 Parashar 95C col,mult,p	$e^- e^+$ X	800 Leitch 92 a-dep,cs,p,pt	0.2941 Hausser 95 angp,p,pol
grey (greys) (showers) shower X	1.73 - 5.762 Wilson 94 cs	Alde 91 a-dep	Lee 93 angp,cs,pol
4.5 Ghosh 94B ang,col	Wilson 93 mass	Alde 91 a-dep	Lee 93 angp,cs,pol
3grey (greys) X	5.762 Huang 92 cs,mass,p	Alde 91 a-dep	0.6792 - 1.09 Hausser 91 angp,asym,pol
800 Shivpuri 95B angp,col,mult	$\mu^- \mu^+$ X	Alde 91 a-dep	⁴ He π^+
Shivpuri 95B angp,col,mult	450 Baldit 94 cs,mass,p	Alde 91 a-dep	0.8081 - 1.099 Furutani 94 angp,p
black (blacks) (showers) shower X	Nassalski 94 cs,mass,p	Alde 91 a-dep	Furutani 91 asym
4.5 Ghosh 94B ang,col	800 Conrad 95 a-dep,cs,mass,p,pt	Alde 91 a-dep	p ⁴ He
5charged X	Arneodo 92 a-dep,cs,mass,p,pt	Alde 91 a-dep	p X
200 - 400 Belaga 94B cor,p	Leitch 92 a-dep,cs,mass,p,pt	Alde 91 a-dep	0.4474 Raue 95 angp,cs
7charged X	Alde 91 a-dep,cs	Alde 91 a-dep	
200 - 400 Belaga 94B cor,p	Alde 90B a-dep	Alde 91 a-dep	

$p \ ^4\text{He} \rightarrow \ ^5\text{He} \ \pi^+$ $p \ \text{Be} \rightarrow \ K^- \ X$

$p \ ^4\text{He}$	$p \ ^7\text{Li}$	$p \ \text{Be}$
$^5\text{He} \ \pi^+$ 0.7127 - 1.09 Furutani 94 angp,p	$\chi_{c1}(1P) \ X$ 300 Sansoni 95 cs Antoniazzi 94 cs,p Antoniazzi 92 cs	$\pi^+ \ X$ 14.6 Abbott 92 angp,p,pt Abbott 91B p,pt Abbott 91C angp,p,pt Bloomer 90 p,pt Gavrishchuk 91B p Belyaev 93 a-dep,angp,p
$p \ \text{He}$	$\chi_{c2}(1P) \ X$ 300 Sansoni 95 cs Antoniazzi 94 cs,p Antoniazzi 92 cs	14.97 - 61.99 15 - 65 450 450.9 800 Boggild 95C pt Boggild 94 pt Polychronako 92 pt Straub 92 pt Straub 92B pt
$p \ X$ 1.09 Sterbenz 92 mass	$\psi(2S) \ X$ 300 Sansoni 95 cs Antoniazzi 92 cs	$\pi^0 \ X$ 500 Alverson 93 a-dep,angp,pt Alverson 91 a-dep,p,pt Alverson 91B p,pt
$\text{He} \ p$ 0.6792 Abdullin 92 angp 1.09 Sterbenz 92 angp	$n \ X$ 0.6194 Wang 94B angp,p 0.7389 - 1.463 Stamer 93 angp,p 0.9821 Iwasaki 91B angp,p	$\pi^- \ X$ 10 Boyarinov 94 a-dep,angp Boyarinov 92 a-dep,angp,cs,p
$\text{He}^* \ p$ 1.09 - 1.463 Sterbenz 92 angp	$\mu^- \ \mu^+ \ X$ 300 Sansoni 95 mass Antoniazzi 92 mass Antoniazzi 92B mass	14.5 Schukraft 91 p 14.6 Abbott 93 a-dep,p,pt Abbott 92 angp,p,pt Abbott 91B p,pt Abbott 91C angp,p,pt Bloomer 90 p,pt 14.97 - 61.99 Gavrishchuk 91B p 15 - 65 Belyaev 93 a-dep,angp,p
$p \ \text{Li}$	$J/\psi(1S) \ \gamma \ X$ 300 Garbincius 94 mass	450 Boggild 95C pt Boggild 95D p,pt Boggild 94 pt Polychronako 92 pt Straub 92 pt Straub 92B pt
meson X 300 Antoniazzi 94B cs	$J/\psi(1S) \ \pi^+ \ X$ 300 Antoniazzi 94B mass	$\eta \ X$ 500 Alverson 93 a-dep,angp,pt
$\eta \ X$ 1.581 - 1.696 Chiavassa 92 angp	$J/\psi(1S) \ \pi^0 \ X$ 300 Antoniazzi 94B mass	$K^+ \ X$ 10 Boyarinov 94 a-dep,angp Boyarinov 92C a-dep,angp,cs,p
$h_c(1P) \ X$ 300 Antoniazzi 94B cs	$J/\psi(1S) \ \pi^- \ X$ 300 Antoniazzi 94B mass	14.5 Schukraft 91 p 14.6 Abbott 92 angp,p,pt Abbott 91B p,pt Abbott 91C angp,p,pt Bloomer 90 p,pt 14.97 - 61.99 Gavrishchuk 91B p 15 - 65 Belyaev 93 a-dep,angp,p
$J/\psi(1S) \ \gamma \ X$ 300 Garbincius 94 mass	$\psi(2S) \ \pi^+ \ X$ 300 Antoniazzi 94B mass	450 Boggild 95C pt Boggild 95D p,pt Boggild 94 pt Polychronako 92 pt Straub 92 pt Straub 92B pt
$J/\psi(1S) \ \pi^+ \ X$ 300 Antoniazzi 94B mass	$\psi(2S) \ \pi^- \ X$ 300 Antoniazzi 94B mass	$K^- \ X$ 10 Boyarinov 94 a-dep,angp Boyarinov 92C a-dep,angp,cs,p
$J/\psi(1S) \ \pi^0 \ X$ 300 Antoniazzi 94B mass	$\mu^- \ \mu^+ \ \gamma \ X$ 300 Sansoni 95 mass Antoniazzi 94 mass Antoniazzi 92 mass	14.97 - 64.99 Gavrishchuk 92 a-dep,angp,cs,p 15 - 65 Belyaev 93 a-dep,angp,p
$J/\psi(1S) \ \pi^- \ X$ 300 Antoniazzi 94B mass	$^7\text{Li} \ p$ 0.6444 Glover 91 angp,cs,dme,pt	14.5 Schukraft 91 p 14.6 Abbott 92 angp,p,pt Abbott 91B p,pt Abbott 91C angp,p,pt Bloomer 90 p,pt 14.97 - 61.99 Gavrishchuk 91B p 15 - 65 Belyaev 93 a-dep,angp,p
$\psi(2S) \ \pi^+ \ X$ 300 Antoniazzi 94B mass	$^7\text{Li}^* \ p$ 0.6444 Glover 91 angp,cs,dme,pt	15.51 Kaufman 92 p,pt 450 Boggild 95C pt Boggild 94 pt Polychronako 92 pt Straub 92 pt Straub 92B pt
$\psi(2S) \ \pi^- \ X$ 300 Antoniazzi 94B mass	$^7\text{Be} \ n$ 0.6194 Rapaport 94 angp,pol Wang 94B angp,p 0.8004 Wakasa 95 angp,pol 0.8081 - 0.9543 Sakai 94 angp,p,pol	450.9 Polychronako 92 pt 800 Straub 92 pt Straub 92B pt
$\mu^- \ \mu^+ \ \gamma \ X$ 300 Garbincius 94 mass	$p \ \text{Be}$	$\eta \ X$ 500 Alverson 93 a-dep,angp,pt
$J/\psi(1S) \ 2\pi^+ \ X$ 300 Antoniazzi 94B mass	unspec X 450 Akesson 96 cs	$K^+ \ X$ 10 Boyarinov 94 a-dep,angp Boyarinov 92C a-dep,angp,cs,p
$J/\psi(1S) \ \pi^+ \ \pi^0 \ X$ 300 Antoniazzi 94B mass	charged X 14.6 Abbott 92B cs,et,p	14.5 Schukraft 91 p 14.6 Abbott 92 angp,p,pt Abbott 91B p,pt Abbott 91C angp,p,pt Bloomer 90 p,pt 14.97 - 64.99 Gavrishchuk 92 a-dep,angp,cs,p 15 - 65 Belyaev 93 a-dep,angp,p
$J/\psi(1S) \ \pi^+ \ \pi^- \ X$ 300 Antoniazzi 94B mass	jet X 800 Boca 90 angp,mass,p,pt	14.5 Schukraft 91 p 14.6 Abbott 92 angp,p,pt Abbott 91B p,pt Abbott 91C angp,p,pt Bloomer 90 p,pt 14.97 - 64.99 Gavrishchuk 92 a-dep,angp,cs,p 15 - 65 Belyaev 93 a-dep,angp,p
$J/\psi(1S) \ \pi^0 \ \pi^- \ X$ 300 Antoniazzi 94B mass	hadron X 200 Akesson 92B et,p 450 Akesson 92B et	15.51 Kaufman 92 p,pt 450 Boggild 95C pt Boggild 94 pt Polychronako 92 pt Straub 92 pt Straub 92B pt
$J/\psi(1S) \ 2\pi^- \ X$ 300 Antoniazzi 94B mass	hadron $^+$ X 800 Brown 96 a-dep,p,pt Boca 90 angp,mass,p,pt	450.9 Polychronako 92 pt 800 Straub 92 pt Straub 92B pt
$p \ ^6\text{Li}$	hadron $^-$ X 800 Brown 96 a-dep,p,pt Boca 90 angp,mass,p,pt	$K^- \ X$ 10 Boyarinov 94 a-dep,angp Boyarinov 92C a-dep,angp,cs,p
$\eta \ X$ 1.696 Chiavassa 92B angp,p	longlived 0 X 450 Akesson 90G cs	14.5 Schukraft 91 p 14.6 Abbott 93 a-dep,p,pt Abbott 92 angp,p,pt Abbott 91B p,pt Abbott 91C angp,p,pt Bloomer 90 p,pt 14.97 - 64.99 Gavrishchuk 92 a-dep,angp,cs,p 15 - 65 Belyaev 93 a-dep,angp,p
$n \ X$ 0.6194 Wang 94B angp,p	$\gamma \ X$ 18 Stocker 95 p,pt Lissauer 94 p,pt Antos 93 pt Goerlach 92 pt Alverson 93 a-dep,angp,pt Alverson 91B p,pt	14.5 Schukraft 91 p 14.6 Abbott 93 a-dep,p,pt Abbott 92 angp,p,pt Abbott 91B p,pt Abbott 91C angp,p,pt Bloomer 90 p,pt 14.97 - 64.99 Gavrishchuk 92 a-dep,angp,cs,p 15 - 65 Belyaev 93 a-dep,angp,p
dibaryon X 1.696 Baturin 91B cs	$\pi^+ \ X$ 10 Boyarinov 94 a-dep,angp Boyarinov 92 a-dep,angp,cs,p	450 Boggild 95C pt Boggild 94 pt Polychronako 92 pt Straub 92 pt Straub 92B pt
$p \ \text{mult}[p] \ X$ 1.696 Baturin 91 mult	$\pi^- \ X$ 10 Boyarinov 94 a-dep,angp Boyarinov 92 a-dep,angp,cs,p	450 Boggild 95C pt Boggild 94 pt Polychronako 92 pt Straub 92 pt Straub 92B pt
$2p \ X$ 1.696 Baturin 91 angp,col,mass,p Baturin 91B angp,mass,p	$J/\psi(1S) \ X$ 300 Sansoni 95 cs Antoniazzi 92 cs,mass Antoniazzi 92B cs,p,pt	14.5 Schukraft 91 p
$p \ \Delta(1232 \ P_{33}) \ X$ 1.696 Baturin 91 cs		
$^6\text{Be} \ n$ 0.6194 Rapaport 94 angp,pol 0.8004 Wakasa 95 angp,pol 0.8081 - 0.9543 Sakai 94 angp,p,pol		
$p \ ^7\text{Li}$		
$J/\psi(1S) \ X$ 300 Sansoni 95 cs Antoniazzi 92 cs,mass Antoniazzi 92B cs,p,pt		

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$p \text{ Be} \rightarrow K^- X$ $p \text{ Be} \rightarrow 2\text{hadron}^- X$

$p \text{ Be}$			$p \text{ Be}$			$p \text{ Be}$		
$K^- X$			$p X$			$\Omega^- X$		
450.9	Polychronako 92	pt	15.51	Bloomer 90	p,pt	400	Lach 94	-
800	Straub 92	pt	16.97 - 63.99	Kaufman 92	p,pt		Lach 93	-
	Straub 92B	pt		Gavrishchuk 91	a-dep,pol	800	Lach 92	-
$K_S X$							Luk 93	pol
360	Barr 95B	p	17.98 - 63.99	Nurushev 91	angp,p,pol	deuteron X		
	Perdereau 92	-				14.6	Abbott 92	angp,p,pt
360 - 450	Barr 93	-	450	Boggild 95C	pt	17.98 - 63.99	Nurushev 91	angp,p,pol
800	Gibbons 95C	-	450.9	Boggild 94	pt			
	Matthews 95B	p	800	Polychronako 92	pt	$2e^- X + 2e^+ X$		
	Hsiung 94	-		Straub 92	pt	450	Akesson 94	a-dep,cs,mass
	Ramberg 92	-		Straub 92B	pt			
$K_L X$			$\bar{p} X$			$e^- e^+ X$		
13	Akagi 94	-	10	Boyarinov 94	a-dep,angp	1.696 - 5.762	Seidl 91	cs
	Akagi 92	p		Boyarinov 93	a-dep,angp	5.762	Huang 91	mass
	Inagaki 91	p					Seidl 91	mass
	Inagaki 91B	p	10.1	Sibirtsev 91	a-dep,angp,p	13	Akagi 94	ang,mass
360	Barr 95B	p					Akagi 92	ang,mass
450	Barr 95	p	10.14	Boyarinov 91	a-dep,angp,p	200	Inagaki 91	ang,mass
	Barr 95C	-					Agakichiev 95	mass
	Kreutz 95	p	14.6	Abbott 93	a-dep,p,pt	450	Tserruya 95	mass
	Perdereau 92	p	450	Boggild 95C	pt		Ceretto 95	mass
	Barr 91	p	450.9	Boggild 94	pt		Tserruya 95	mass
	Serin 91B	-	800	Polychronako 92	pt		Akesson 94	a-dep,cs,mass
800	Conrad 95	-		Straub 92	pt		Baur 93	mass
	Gibbons 95C	-	ΛX	Straub 92B	pt		Goerlach 92	mass
	Matthews 95B	p	28.5	Yokosawa 91	cs,p,pol,pt	$\mu^- e^+ X$		
	Schwingenheu 95	-	60 - 300	Lach 92	angp,cs,p	13	Akagi 94	ang,mass
	Spencer 95	-	300	Lach 94	pol,pt	450	Inagaki 91	ang,mass
	Gu 94	-	400	Lach 93	pol,pt		Akesson 96	a-dep,cs,mass
	Hsiung 94	-		Lach 94	pol	$\mu^+ e^- X$		
	Nakaya 94	-		Lach 93	pol	13	Akagi 94	ang,mass
	Roberts 94	-		Lach 92	pol	450	Inagaki 91	ang,mass
	Weaver 94	-		Wallace 95	p		Akesson 96	a-dep,cs,mass
	Gibbons 93	-		Ramberg 94	p,pol,pt	$2\mu^- X$		
	Gibbons 93B	-				450	Akesson 94	mass
	Harris 93	-		$\bar{\Lambda} X$		$\mu^- \mu^+ X$		
	Harris 93B	-	65 - 135	Lach 92	angp,p	13	Akagi 94	ang,mass
	Hsiung 92	-	300	Lach 92	pol,pt	450	Inagaki 91B	ang,mass
	Ramberg 92	-	400	Lach 94	pol	800	Akesson 94	mass,p,pt
	Ramberg 92B	p		Lach 93	pol		Goerlach 92	mass
	Somalwar 92	p		Lach 92	pol		Leitch 95	mass
	Barker 91	-		Lach 92	pol		Kowitt 94	mass,p,pt
	Kleinknecht 91	-		Ramberg 94	p,pol,pt		Kowitt 92	mass,p,pt
	Winstein 91	-	800			$2\mu^+ X$		
$D^+ X$			ΣX			450	Akesson 94	mass
250	Appel 94	cs,p	800	Wallace 95	p	800	Akesson 94	mass
$D^0 X$			$\Sigma^+ X$			$2\mu^- X$		
800	Leitch 94	a-dep,cs,p,pt	400	Lach 94	pol	450	Akesson 94	mass
	Jansen 93	a-dep,cs		Lach 93	pol			
	Kaplan 93	a-dep,cs		Lach 92	pol	$\mu^- \mu^+ X$		
	Peng 92	a-dep,cs				13	Akagi 94	ang,mass
$\bar{D}^0 X$			$\Sigma^0 X$			450	Inagaki 91B	ang,mass
800	Leitch 94	a-dep,cs,p,pt	22	Yokosawa 91	p,pol	800	Akesson 94	mass,p,pt
$D^- X$			28.5	Yokosawa 91	cs,p,pol,pt		Goerlach 92	mass
250	Appel 94	cs,p	$\Sigma^- X$				Leitch 95	mass
$D_s^+ X$			29.4	Lach 94	p	$2\mu^+ X$		
250	Appel 94	cs,p		Lach 93	p	450	Akesson 94	mass
$D_s^- X$			$\Xi^- X$			800	Akesson 94	mass
250	Appel 94	cs,p	29.4	Lach 94	p	$2\text{hadron}^+ X$		
$J/\psi(1S) X$				Lach 93	p	800	White 93	a-dep,ang,mass,pt
530	Abramov 91B	cs,p,pt		Lach 92	angp,p		Boca 90	angp,mass,p,pt
800	Leitch 95	a-dep,p,pt	400	Lach 94	p,pol		Streets 89	a-dep,ang,mass,pt
	Kowitt 94	a-dep,p		Lach 93	p,pol	$\text{hadron}^+ \text{hadron}^- X$		
	Jansen 93	a-dep,p		Lach 92	p,pol	800	Brown 96	a-dep,cor,mass,p,pt
	Kowitt 92	a-dep,p		Lach 94	pol		White 93	a-dep,ang,mass,pt
	Leitch 92	a-dep,p		Lach 93	pol		Straub 92B	mass,pt
$DD < p > X$				Duryea 92	-		Boca 90	angp,mass,p,pt
450	Akesson 90F	a-dep,angp,mass,mult,p,pt		Lach 92	pol	$2\text{hadron}^- X$		
$p X$				Duryea 91	angp,p,pol	800	White 93	a-dep,ang,mass,pt
10	Boyarinov 94	a-dep,angp		Ho 91	angp,p,pol		Straub 92B	mass,pt
	Boyarinov 92B	a-dep,angp,cs,p		Yokosawa 91	angp,p,pol		Boca 90	angp,mass,p,pt
14.5	Schukraft 91	p	$\Xi^+ X$				Streets 89	a-dep,ang,mass,pt
14.6	Abbott 92	angp,p,pt	800	Lach 94	pol		Streets 89	a-dep,ang,mass,pt
	Abbott 91B	p,pt		Lach 93	pol	$2\text{hadron}^- X$		
	Abbott 91C	angp,p,pt		Lach 92	pol	800	White 93	a-dep,ang,mass,pt
				Ho 91	angp,p,pol		Boca 90	angp,mass,p,pt
				Yokosawa 91	angp,p,pol			

p Be \rightarrow 2hadron $^-$ X

p C \rightarrow $\psi(2S)$ X

p Be	p Be	p Be	p C
2hadron $^-$ X Streets 89 a-dep,ang,mass,pt	$\pi^+ \pi^- \gamma$ X 800 Ramberg 92 mass,p,pt	$\pi^+ \pi^- \gamma$ X 800 Ramberg 92 mass,p,pt	γ X 0.4539 - 0.5414 Clauton 92B angp,cs,p
γ charged X 500 Alverson 93B ang,mult,p,pt	$K^+ 2\pi^-$ X 250 Appel 94 mass	$K^+ 2\pi^-$ X 250 Appel 94 mass	0.5414 - 0.6356 Clauton 92 angp,cs,p
γ jet X 500 Alverson 93B angp,mass,pt	$K^- 2\pi^+$ X 250 Appel 94 mass	$K^- 2\pi^+$ X 250 Appel 94 mass	200.9 Albrecht 91 pt Albrecht 91O cs
2γ X 360 500 Barr 95B Alverson 93 Alverson 91 mass,p mass mass,p,pt	$K^+ K^- \pi^+$ X 250 Appel 94 mass	$K^+ K^- \pi^+$ X 250 Appel 94 mass	π X 70 Gavrilov 92 pt
π^0 charged X 70 500 Balatz 92 Alverson 93B cs,p ang,mult,p,pt	$K^+ K^- \pi^-$ X 250 Appel 94 mass	$K^+ K^- \pi^-$ X 250 Appel 94 mass	π^\pm X 4.9 60 - 200 Schmidt 92 Stocker 95 Schmidt 92 Kampert 92 a-dep,p a-dep,p a-dep,p a-dep,p
π^0 jet X 500 Alverson 93B angp,mass,pt	$p 2\pi^-$ X 800 Lach 92 Yokosawa 91 angp,mass	$p 2\pi^-$ X 800 Lach 92 Yokosawa 91 angp,mass	π^+ X 0.8233 - 0.989 1.463 - 2.359 Julien 94 Lemaire 91B angp,p angp,mult cs Trzaska 91C Baldin 92 Armutlijsky 91 a-dep,angp Gavrishchuk 91B Belyaev 93 p a-dep,angp,p
2π X 70 Gavrilov 92 mass	$p K^- \pi^-$ X 400 Lach 94 Lach 93 Lach 92 mass mass mass	$p K^- \pi^-$ X 400 Lach 94 Lach 93 Lach 92 mass mass mass	π^0 X 4.5 Abraamyan 94B Abraamyan 94C a-dep,p,pt a-dep,angp,p
$2\pi^0$ X 360 Barr 95B mass,p	$2e^- 2e^+$ X 13 Akagi 94 Akagi 92 ang,mass ang,mass	$2e^- 2e^+$ X 13 Akagi 94 Akagi 92 ang,mass ang,mass	200.9 Albrecht 91 Albrecht 91O pt cs
π^+ π^- X 13 Akagi 94 Akagi 92 Inagaki 91 Inagaki 91B Straub 92 ang,mass ang,mass ang,mass ang,mass mass,pt	Be $\Delta(1232 P_{33})^{++} \pi^-$ 70 Balatz 93 mass	Be $\Delta(1232 P_{33})^{++} \pi^-$ 70 Balatz 93 mass	π^- X 1.463 - 2.359 Lemaire 91B angp,mult cs Trzaska 91C Ermakov 94 Bekmirzaev 93 Armutlijsky 91 a-dep,angp Gavrishchuk 91B Belyaev 93 p a-dep,angp,p
η charged X 70 Balatz 92 cs,p	Be $\Sigma(1385 P_{13})^0 K^+$ 70 Balatz 93 mass	Be $\Sigma(1385 P_{13})^0 K^+$ 70 Balatz 93 mass	η X 1.581 - 1.696 1.696 Chiavassa 92 Chiavassa 92B angp angp,p
ω charged X 70 Balatz 92 cs,p	p Bor	p Bor	K^\pm X 3.308 - 8.989 Baldin 92 cs
$K^+ \pi^- X + K^- \pi^+ X$ 800 Jansen 93 mass	η X 1.696 Chiavassa 94C p	η X 1.696 Chiavassa 94C p	K^+ X 14.97 - 64.99 Gavrishchuk 92 Belyaev 93 a-dep,angp,cs,p
$K^+ \pi^- X$ 800 Straub 92 mass,pt	2γ X 1.696 Chiavassa 94C mass	2γ X 1.696 Chiavassa 94C mass	10 Armutlijsky 91 a-dep,angp
$K^- \pi^+ X$ 800 Straub 92 mass,pt	$p^{10}\text{Bor}$	$p^{10}\text{Bor}$	14.97 - 60.99 15 - 65 Gavrishchuk 91B Belyaev 93 p a-dep,angp,p
$K^+ K^- X$ 800 Straub 92 mass,pt	n X 0.6194 Wang 94B angp,p,pol	n X 0.6194 Wang 94B angp,p,pol	η X 1.581 - 1.696 1.696 Chiavassa 92 Chiavassa 92B angp angp,p
charm $\overline{\text{charm}}$ X 450 Akesson 96 cs	^{10}C n 0.6194 Rapaport 94 Wang 94B angp,pol angp,p	^{10}C n 0.6194 Rapaport 94 Wang 94B angp,pol angp,p	K^\pm X 3.308 - 8.989 Baldin 92 cs
$p \pi^-$ X 800 Straub 92 mass,pt	$p^{11}\text{Bor}$	$p^{11}\text{Bor}$	K^+ X 14.97 - 64.99 Gavrishchuk 92 Belyaev 93 a-dep,angp,cs,p
$\bar{p} \pi^+$ X 800 Straub 92 mass,pt	n X 0.6194 Wang 94B angp,p	n X 0.6194 Wang 94B angp,p	15 - 65 Belyaev 93 a-dep,angp,p
$p K^-$ X 800 Straub 92 mass,pt	^{11}C n 0.6194 Rapaport 94 Wakasa 95 angp,pol angp,pol	^{11}C n 0.6194 Rapaport 94 Wakasa 95 angp,pol angp,pol	Gavrishchuk 91C a-dep,angp,p
$\bar{p} K^+$ X 800 Straub 92 mass,pt	0.8004 Wakasa 95 angp,pol	0.8004 Wakasa 95 angp,pol	Gavrishchuk 91C a-dep,angp,p
$p \bar{p}$ X 800 Straub 92 mass,pt	0.8081 - 0.9543 Sakai 94 angp,p,pol	0.8081 - 0.9543 Sakai 94 angp,p,pol	K^- X 14.97 - 64.99 Gavrishchuk 92 Belyaev 93 a-dep,angp,cs,p
$e^- e^+ \gamma$ X 450 Ceretto 95 Akesson 94 mass mass	p C	p C	15 - 65 Belyaev 93 a-dep,angp,p
$2\mu^-$ mult[charged] (neutrals) 450 Akesson 94 mass,mult	mult[charged $^-$] X 4.2 Batskovich 91 cor,mult,p	mult[charged $^-$] X 4.2 Batskovich 91 cor,mult,p	Gavrishchuk 91C a-dep,angp,p
$\mu^- \mu^+$ mult[charged] (neutrals) 450 Akesson 94 mass,mult	mult[π^+] X 1.463 - 2.359 Trzaska 91C cs,mult	mult[π^+] X 1.463 - 2.359 Trzaska 91C cs,mult	$\phi(1020)$ X 450 Fredj 91 a-dep,cs,p,pt
$2\mu^+$ mult[charged] (neutrals) 450 Akesson 94 mass,mult	mult[π^-] X 1.463 - 2.359 Trzaska 91C Ermakov 94 cs,mult mult	mult[π^-] X 1.463 - 2.359 Trzaska 91C Ermakov 94 cs,mult mult	$J/\psi(1S)$ X 200 450 800 Baglin 95 Fredj 91 Conrad 95 Leitch 95 Leitch 92 Alde 91D Leitch 91 Spiegel 91 Alde 90B cs a-dep,cs,p,pt a-dep,cs,p a-dep,p,pt a-dep,cs p,pt a-dep,p,pt a-dep
$\mu^- \mu^+$ charged X 530 Abramov 91B mass,mult,p,pt	mult[nucleon] X 4.2 - 10 Dedovich 94 angp,cor,p,pt Kuznetsov 93 cor,mult,p	mult[nucleon] X 4.2 - 10 Dedovich 94 angp,cor,p,pt Kuznetsov 93 cor,mult,p	$\psi(2S)$ X 200 450 800 Baglin 95 Fredj 91 Leitch 92 Leitch 91 Spiegel 91 a-dep,cs,p,pt a-dep,cs a-dep
$\mu^- \mu^+ \gamma$ X 450 800 Akesson 94 Spencer 95 mass cor,mass,pt	mult[p] X 1.463 - 2.359 200.9 Trzaska 91C Albrecht 93G cs,mult a-dep,mult	mult[p] X 1.463 - 2.359 200.9 Trzaska 91C Albrecht 93G cs,mult a-dep,mult	$\psi(2S)$ X 200 450 800 Baglin 95 Fredj 91 Leitch 92 Leitch 91 Spiegel 91 cs a-dep,cs,p,pt a-dep,cs a-dep
$\pi^0 2\gamma$ X 800 Papadimitrio 91 mass	mult[fragt] X 1.463 - 2.359 Lemaire 91 mult	mult[fragt] X 1.463 - 2.359 Lemaire 91 mult	charged X 14.6 Abbott 92B cs,et,p

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$p C \rightarrow \psi(2S) X$ $p C \rightarrow C \Sigma(1385 P_{13})^0 K^+$

$p C$			$p C$			$p C$		
$\psi(2S) X$			$\mu^- \mu^+ X$			$2p \pi^+ X$		
	Alde 90B	a-dep	450	Fredj 91		1.463 - 2.359	Trzaska 91C	cs
$\psi(3770) X$					a-dep,mass,p,pt	$2p \pi^- X$		
800	Alde 91D	p,pt	800	Conrad 95		1.463 - 2.359	Trzaska 91C	cs
$\Upsilon(1S) X$					a-dep,cs,mass,p,pt	$p n \pi^+ X$		
800	Leitch 92	a-dep,cs		Leitch 95	mass	1.49	Chiba 91	angp
	Alde 91	a-dep,cs,p,pt		Arneodo 92				
	Leitch 91	a-dep			a-dep,mass,p,pt	$3p X$		
	Spiegel 91	a-dep		Leitch 92	a-dep,mass,p	1.294	Budyashov 92B	
$\Upsilon(3S) X + \Upsilon(2S) X$				Mcgaughey 92	mass		Budyashov 92D	angp,mass,p
800	Leitch 92	a-dep,cs		Alde 91	a-dep,cs		Budyashov 92D	ang,mass,p
	Alde 91	a-dep,cs,p,pt		Spiegel 91	a-dep		Budyashov 91B	angp,mass,p
	Spiegel 91	a-dep		Alde 90B	a-dep			
$p X$			$(p's) (\pi^\pm's) X$			$2p n X$		
3.88	Nakai 91	p	4.2	Baatar 91	col,mult,p	1.49	Chiba 91	angp
4.2	Bekmirzaev 94		mult[2] mult[π^\pm] X			$2p (p's) (\pi^\pm's) X$		
	Agakishiev 92	angp,mult,p,pt	mult[π^+] mult[frag] X	Strugalski 92B	mult	10	Angelov 92	ang,cor,p
	Backovic 92C	a-dep,angp,cs,p	1.463 - 2.359	Lemaire 91	mult	$3p \pi^+ X$		
		a-dep,angp,p	mult[π^-] mult[frag] X	1.463 - 2.359	Lemaire 91	1.463 - 2.359	Trzaska 91C	cs
4.9	Schmidt 92	a-dep,p	2jet X			1.463 - 2.359	Trzaska 91C	cs
9	Belzer 92	a-dep,p	800	Fields 92	a-dep,angp,col,et		dibaryon($S = -2$) $n 2K^+ X$	
16.97 - 63.99	Gavrishchuk 91	a-dep,pol				10	Shakhbazyan 92C	cs,mass
17.98 - 63.99	Nurushev 91	angp,p,pol	$2\gamma X$			$C^* p$		
60 - 200	Stocker 95	a-dep,p	4.5	Abraamyan 94B	mass	0.8354	Lyndon 92	p,pol
	Schmidt 92	a-dep,p		Abraamyan 94C	angp,mass	C exotic-nucleon		
200.9	Albrecht 93G	angp,p	$(p's) \pi^\pm X$			70	Balatz 94C	cs,pt
	Albrecht 92T	angp	4.2	Strugalski 92B	angp,p		Golovkin 94	cs,pt
	Kampert 92	a-dep,p	$\pi^+ \text{ mult[frag] } X$				Landsberg 94C	cs,mass,p,pt
$n X$			1.463 - 2.359	Lemaire 91	mult	$C N(2000 B)^+$		
1.463 - 3.825	Ishibashi 94	angp,p		Lemaire 91B	angp,mult	70	Golovkin 95	cs,pt
1.49	Chiba 91	angp	$\pi^- \text{ mult[frag] } X$				Vavilov 95	cs,pt
$\bar{p} X$			1.463 - 2.359	Lemaire 91B	angp,mult	$C N(2050 B)^+$		
4.338 - 5.864	Chiba 94	a-dep,p				70	Golovkin 95	cs,pt
	Chiba 93	a-dep,p	$2\pi^+ X$				Vavilov 95	cs,pt
4.491	Baldin 95	a-dep,angp	7.5	Vlasov 92	a-dep,ang,angp,cor,p	$C N\phi(1950)^+$		
$\Delta(1232 P_{33})^{++} X$						70	Balatz 94C	cs,pt
2.359	Trzaska 91C	cs	$\pi^+ \pi^- X$				Landsberg 94C	cs,mass,p,pt
$\Delta(1232 P_{33})^0 X$			2.359	Pluta 93	cor,mass	$C N\phi(1950)^+$		
2.359	Trzaska 91C	cs	4.2 - 10	Pluta 93	cor,mass	70	Balatz 93	cs
ΛX			$p (\pi^\pm's) X$			$^{13}\text{N}it \pi^0$		
3 - 7.5	Vorobiev 91	a-dep,angp,p,pol	4.2	Strugalski 92B	angp,p	0.5592 - 0.6515	Homolka 92	angp,cs
7.5	Degtyarenko 91	angp,p	$p \pi^+ X$					
	Smirnitsky 91	pol	1.463 - 2.359	Trzaska 91C	cs	$DD < p \eta > C$		
deuteron X			3.88	Nakai 91	mass	70	Golovkin 95	cs,mass,p,pt
4.9	Schmidt 92	a-dep,p	7.5	Vlasov 92	a-dep,ang,angp,cor,p	$DD < p \omega > C$		
17.98 - 63.99	Nurushev 91	angp,p,pol				70	Vavilov 95B	angp,cs
60 - 200	Stocker 95	a-dep,p	$p \pi^- X$			$DD < p \eta' > C$		
	Schmidt 92	a-dep,p	1.463 - 2.359	Trzaska 91C	cs	70	Golovkin 95	cs,mass,p,pt
200.9	Kampert 92	a-dep,p	3.88	Nakai 91	mass	$DD < p \phi(1020) > C$		
dibaryon X						70	Vavilov 95B	angp,cs
1.696	Baturin 91B	cs	$n \pi^+ X$				Vavilov 94C	mass,pt
4.2	Didenko 91B	ang	1.49	Chiba 91	angp,mass	$DD < \Delta(1232 P_{33})^{++} \pi^- > C$		
dibaryon($S = -2$) X						70	Golovkin 95	cs,mass,p,pt
10	Shakhbazyan 95	-	$2p X$					
	Shakhbazyan 93B	-	1.696	Baturin 91	angp,col,mass,p	$DD < \Lambda(1520 D_{03}) K^+ > C$		
dibaryon($S = -2$) $^+ X$				Baturin 91B	angp,mass,p	70	Vavilov 94C	mass,pt
10	Shakhbazyan 93B	-						
	Shakhbazyan 92B	cs	3 - 7.5	Vlasov 95	a-dep,ang,cor,p	$DD < \Sigma^0 K^+ > C$		
dibaryon($S = -2$) $^* X$						70	Vavilov 94C	mass,pt
10	Shakhbazyan 95	-	7.5	Doroshkevich 94	cor,pt	$DD < \Sigma^0 K^+ > C$		
			200.9	Awes 95	angp,cor	70	Golovkin 95	cs,mass,p,pt
tribaryon X			$p n X$				Vavilov 95	cs,mass,p,pt
4.2	Didenko 91B	ang	1.49	Chiba 91	angp	$C \Sigma^0 K^+$		
$^3\text{He} X$						70	Golovkin 94	cs,mass,p,pt
1.46	Barlow 92	a-dep,angp,p	deuteron $\pi^+ X$				Landsberg 94C	cs,pt
			7.5	Vlasov 92	a-dep,ang,angp,cor,p	$C \Sigma(1385 P_{13})^0 K^+$		
$^4\text{He} X$						70	Balatz 94C	mass,p,pt
1.46	Barlow 92	a-dep,angp,p	2charged (charged) X					
			4.2	Angelov 94	col,cor			
$^{11}\text{C} X$			$2p (p's) X$					
14.51	Cumming 93B	cs	4.2	Bazarov 94	angp,col			

$p^{20}\text{Ne} \rightarrow K_S \text{ mult[grey]} X$ $p \text{ Al} \rightarrow \text{hadron}^+ \text{ hadron}^- X$

$p^{20}\text{Ne}$	$p \text{ Al}$	$p \text{ Al}$
$K_S \text{ mult[grey]} X$ 300 Yuldashev 90B cor,mult	hadron X 450 Akesson 92B et	DD < p > X 450 Akesson 90F a-dep,angp,mass,mult,p,pt
$K_S \pi^0 X$ 300 Yuldashev 90B mass	hadron ⁺ X 800 Boca 90 angp,mass,p,pt	p X 1 - 12 Nakai 91 angp,p 4.9 Schmidt 92 a-dep,p 9 Belzer 92 a-dep,p 10 Boyarinov 94 a-dep,angp Boyarinov 92B a-dep,angp,cs,p
p mult[grey] X 300 Yuldashev 90D angp,mult	hadron ⁻ X 800 Boca 90 angp,mass,p,pt	14.6 Abbott 92 angp,p,pt 60 - 200 Stocker 95 a-dep,p Schmidt 92 a-dep,p
$p \pi^\pm X$ 300 Edgorov 92 angp,mass,p	$\pi^\pm X$ 4.9 Schmidt 92 a-dep,p 60 - 200 Stocker 95 a-dep,p Schmidt 92 a-dep,p	200 Schmidt 92 a-dep,p 200.9 Eklund 91 a-dep,mult Albrecht 93G angp,p Albrecht 92T angp
$p \pi^+ X$ 300 Yuldashev 90D angp,mass	$\pi^+ X$ 10 Boyarinov 94 a-dep,angp Boyarinov 92 a-dep,angp,cs,p	n X 1.463 - 3.825 Ishibashi 94 angp,p
$p \pi^- X$ 300 Yuldashev 90D angp,mass	14.6 Abbott 92 angp,p,pt 15 - 65 Belyaev 93 a-dep,angp,p	$\bar{p} X$ 10 Boyarinov 94 a-dep,angp Boyarinov 93 a-dep,angp
2p X 300 Edgorov 92 angp,p	15.97 - 63.99 Gavrishchuk 91B p	10.1 Sibirtsev 91 a-dep,angp,p 10.14 Boyarinov 91 a-dep,angp,p 14.6 Abbott 93 a-dep,p,pt
$\Lambda \text{ mult[charged}^-] X$ 300 Yuldashev 90B cor,mult	$\pi^0 X$ 0.5681 Dementiev 92 angp	$\Sigma^- X$ 24 Lach 92 angp,p
$\Lambda \text{ mult[grey]} X$ 300 Yuldashev 90B cor,mult	$\pi^- X$ 1 - 12 Nakai 91 angp,p 10 Boyarinov 94 a-dep,angp Boyarinov 92 a-dep,angp,cs,p	deuteron X 1 - 12 Nakai 91 angp,p 4.9 Schmidt 92 a-dep,p 14.6 Abbott 92 angp,p,pt 60 - 200 Stocker 95 a-dep,p Schmidt 92 a-dep,p
$\Lambda \gamma X$ 300 Yuldashev 90B mass	14.6 Abbott 93 a-dep,p,pt Abbott 92 angp,p,pt Belyaev 93 a-dep,angp,p	${}^6\text{Li} X$ 1.696 Andronenko 94 cs
$\Lambda \pi^0 X$ 300 Yuldashev 90B mass	15 - 65 Gavrishchuk 91B p	${}^7\text{Li} X$ 1.696 Andronenko 94 cs
$p^{23}\text{Na}$	15.97 - 63.99 Gavrishchuk 91B p	${}^7\text{Be} X$ 1.696 Andronenko 94 cs
${}^{22}\text{Ne} 2p$ 1.696 Vorobiev 94 angp,p	ηX 1.696 Chiavassa 92B angp,p	${}^{10}\text{Be} X + {}^9\text{Be} X$ 1.696 Andronenko 94 cs
${}^{22}\text{Na} p n$ 1.696 Vorobiev 94 angp,p	$K^+ X$ 10 Boyarinov 94 a-dep,angp Boyarinov 92C a-dep,angp,cs,p	${}^{10}\text{Be} X$ 12.9 Shibata 93 a-dep,cs,p
$p \text{ Mg}$	14.6 Abbott 92 angp,p,pt 14.97 - 64.99 Gavrishchuk 92 a-dep,angp,cs,p	${}^{10}\text{Bor} X$ 1.696 Andronenko 94 cs
$\pi^+ X$ 100 Whitmore 94 mult,p,pt	15 - 65 Belyaev 93 a-dep,angp,p Gavrishchuk 91C a-dep,angp,p	${}^{12}\text{Bor} X + {}^{11}\text{Bor} X$ 1.696 Andronenko 94 cs
$\pi^- X$ 100 Whitmore 94 mult,p,pt	$K^- X$ 10 Boyarinov 94 a-dep,angp Boyarinov 92C a-dep,angp,cs,p	${}^{18}\text{F} X$ 14.51 Cumming 93B cs
$K^0 X + \bar{K}^0 X$ 200 Brick 92 a-dep,cs,mult,p	14.6 Abbott 93 a-dep,p,pt Abbott 92 angp,p,pt Gavrishchuk 92 a-dep,angp,cs,p	${}^{24}\text{Na} X$ 14.51 Cumming 93B cs
p X 100 Whitmore 94 mult,p	15 - 65 Belyaev 93 a-dep,angp,p Gavrishchuk 91C a-dep,angp,p	${}^{26}\text{Al} X$ 12.9 Shibata 93 a-dep,cs,p
ΛX 200 Brick 92 a-dep,cs,mult,p	$\phi(1020) X$ 450 Fredj 91 a-dep,cs,p,pt	$\mu^- \mu^+ X$ 450 Fredj 91 a-dep,mass,p,pt
$\bar{\Lambda} X$ 200 Brick 92 a-dep,cs,mult,p	$D^+ X$ 250 Appel 94 cs,p	2jet X 800 Boca 90 angp,mass,p,pt
mult[p] charged ⁻ X 200 Geist 91 cor,mult	$D^- X$ 250 Appel 94 cs,p	2hadron ⁺ X 800 White 93 a-dep,ang,mass,pt Boca 90 angp,mass,p,pt Streets 89 a-dep,ang,mass,pt
$p \text{ Al}$	$D_s^+ X$ 250 Appel 94 cs,p	hadron ⁺ hadron ⁻ X 800 White 93 a-dep,ang,mass,pt Boca 90 angp,mass,p,pt Streets 89 a-dep,ang,mass,pt
X 14.6 Stocker 95 et Rosati 94 et	$D_s^- X$ 250 Appel 94 cs,p	
mult[p] X 200.9 Albrecht 93G a-dep,mult	$J/\psi(1S) X$ 200 Baglin 95 cs 450 Fredj 91 a-dep,cs,p,pt	
charged X 14.6 Barrette 95D et,mult,p Stocker 95 angp,mult Rosati 94 angp,mult Abbott 92B cs,et,p	$\psi(2S) X$ 200 Baglin 95 cs 450 Fredj 91 a-dep,cs,p,pt	
jet X 800 Boca 90 angp,mass,p,pt		
hadron X 200 Akesson 92B et,p		

$p \text{ Al} \rightarrow 2\text{hadron}^- X$ $p \text{ Ca} \rightarrow \mu^- \mu^+ X$

$p \text{ Al}$	$p \text{ }^{28}\text{Si}$	$p \text{ }^{35}\text{Cl}$
$2\text{hadron}^- X$ 800 White 93 a-dep,ang,mass,pt Boca 90 angp,mass,p,pt Streets 89 a-dep,ang,mass,pt	$^{27}\text{Si } p n$ Vorobiev 92 angp,p	$^{35}\text{Ar}^*$ 0.1317 Converse 93 -
$2\pi^+ X$ 200.9 Kampert 92 cor,p	$^{28}\text{Al } 2p$ 1.696 Vorobiev 94 angp,p	$p \text{ Ar}$ mult[charged] X 200 Derado 90B mult
$2p X$ 200.9 Kampert 92 cor,p	$^{28}\text{Si } p n$ 1.696 Vorobiev 94 angp,p	charged $^- X$ 200 Derado 90B p
$K^+ 2\pi^- X$ 250 Appel 94 mass	^{30}Si $^{29}\text{Al } 2p$ 1.696 Vorobiev 94 angp,p	$K_S X$ 200 Derado 90B a-dep,cs,mult,p,pt
$K^- 2\pi^+ X$ 250 Appel 94 mass	$^{29}\text{Si } p n$ 1.696 Vorobiev 94 angp,p	ΛX 200 Derado 90B a-dep,cs,mult,p,pt
$K^+ K^- \pi^+ X$ 250 Appel 94 mass	$p \text{ }^{31}\text{P}$ $^{30}\text{Si } 2p$ 1.696 Vorobiev 94 angp,p	$\pi^+ \pi^- X$ 200 Derado 90B mass
$K^+ K^- \pi^- X$ 250 Appel 94 mass	$^{30}\text{Ph } p n$ 1.696 Vorobiev 94 angp,p	$K_S \text{ mult[charged}^-] X$ 200 Derado 90B cor,mult
$n X$ 0.7389 - 1.463 Stamer 93 angp,p	$p \text{ S}$ mult[charged $^-] X$ 200 Bachler 91 mult	$p \pi^- X$ 200 Derado 90B mass
$^{27}\text{Si } n$ 0.2136 Hallin 92 -	charged $^- X$ 200 Bachler 91 mult	$\Lambda \text{ mult[charged}^-] X$ 200 Derado 90B mult
$p \text{ Si}$ $D^0 X$ 800 Alexopoulos 95B cs	hadron $^- X$ 200 Baechler 91 mult,pt	$\Lambda \text{ mult[charged}^-] X$ 200 Derado 90B cor,mult
$\bar{D}^0 X$ 800 Alexopoulos 95B cs	$\pi^+ X$ 450 Boggild 95C Boggild 94 pt pt	mult[p] ΛX 200 Derado 90B cor,mult
$J/\psi(1S) X$ 800 Alexopoulos 95B Alexopoulos 95D Alexopoulos 94B cs,p,pt	$\pi^- X$ 450 Boggild 95C Boggild 94 pt pt	$\Lambda \text{ charged}^- X$ 200 Derado 90B p
$\psi(2S) X$ 800 Alexopoulos 95D Alexopoulos 94B cs,p,pt	$K^+ X$ 200 450 Bachler 93 Boggild 95C Boggild 94 mult,p,pt pt pt	$p \text{ }^{39}\text{KK}$ $^{38}\text{Ar } 2p$ 1.696 Vorobiev 94 angp,p
$\Upsilon(1S) X$ 800 Alexopoulos 95D cs	$K^- X$ 200 450 Bachler 93 Boggild 95C Boggild 94 mult,p,pt pt pt	$^{38}\text{KK } p n$ 1.696 Vorobiev 94 angp,p
$\Upsilon(2S) X$ 800 Alexopoulos 95D cs	$K_S X$ 200 Alber 94 Baechler 91 Odyniec 91 Schukraft 91 mult,p,pt mult,pt mult,pt mult,pt	$p \text{ Ca}$ $\pi^0 X$ 0.5681 Dementiev 92 angp
$\mu^- \mu^+ X$ 800 Alexopoulos 95B Alexopoulos 95D Alexopoulos 94B mass mass mass	$p X$ 200 450 Eklund 91 Boggild 95C Boggild 94 a-dep,mult pt pt	$J/\psi(1S) X$ 800 Conrad 95 Leitch 92 Alde 91D Leitch 91 Spiegel 91 Alde 90B a-dep,cs,p a-dep,cs p,pt a-dep,p,pt a-dep a-dep
DD < $K_S X$ > Si 800 Kodama 93D cs,p	$\bar{p} X$ 450 Boggild 95C Boggild 94 pt pt	$\psi(2S) X$ 800 Leitch 92 Leitch 91 Spiegel 91 Alde 90B a-dep,cs a-dep a-dep a-dep
DD < $D^+ X$ > Si 800 Kodama 93D cs,p	ΛX 200 Alber 94 Baechler 91 Odyniec 91 Schukraft 91 mult,p,pt mult,pt mult,pt mult,pt	$\psi(3770) X$ 800 Alde 91D p,pt
DD < $D^0 X$ > Si 800 Kodama 93D cs,p	$\bar{\Lambda} X$ 200 Alber 94 Baechler 91 mult,p,pt mult,pt	$\Upsilon(1S) X$ 800 Leitch 92 Alde 91 Leitch 91 Spiegel 91 a-dep,cs a-dep,cs,p,pt a-dep a-dep
DD < $\pi^+ \pi^- X$ > Si 800 Kodama 93D mass	$\bar{\Lambda} \pi^+ X$ 200 Odyniec 91 Schukraft 91 mult,pt mult,pt	$\Upsilon(3S) X + \Upsilon(2S) X$ 800 Leitch 92 Alde 91 Spiegel 91 a-dep,cs a-dep,cs,p,pt a-dep
DD < $K^- \pi^+ X$ > Si 800 Kodama 93D mass	$p \text{ }^{34}\text{S}$ $^{33}\text{Ph } 2p$ 1.696 Vorobiev 94 Vorobiev 92 angp,p angp,p	$\mu^- \mu^+ X$ 800 Conrad 95 a-dep,cs,mass,p,pt Arneodo 92 a-dep,mass,p,pt
DD < $K^- 2\pi^+ X$ > Si 800 Kodama 93D mass	$^{33}\text{S } p n$ 1.696 Vorobiev 94 Vorobiev 92 angp,p angp,p	Leitch 92 Alde 91 Spiegel 91 Alde 90B a-dep,mass,p a-dep,cs a-dep
DD < $K^- 2\pi^+ \pi^- X$ > Si 800 Kodama 93D mass		
$p \text{ }^{28}\text{Si}$ $^{28}\text{Si}^* p$ 0.6418 1.087 Liu 96 Donoghue 91 cs,p,pol angp,cs,pol		
$^{27}\text{Al } 2p$ 1.696 Vorobiev 94 Vorobiev 92 angp,p angp,p		
$^{27}\text{Si } p n$ 1.696 Vorobiev 94 angp,p		

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$p \text{ Ca} \rightarrow p n X$ $p \text{ }^{59}\text{Co} \rightarrow \text{}^{56}\text{Co } p 3n$

p Ca		p Ti		p Fe	
$p n X$ 1.082 Taddeucci 94 1.084 Chen 93 angp,cs,pol McClelland 92 angp,cs,pol		$p \pi^+ X$ 7.5 Vlasov 92 a-dep,ang,angp,cor,p		$\psi(2S) X$ 800 Leitch 92 a-dep,cs Leitch 91 a-dep Spiegel 91 a-dep Alde 90B a-dep	
p ^{40}Ca		$2p X$ 3 - 7.5 Vlasov 95 a-dep,ang,cor,p		$\psi(3770) X$ 800 Alde 91D p,pt	
$^{40}\text{Ca } p$ 1.087 Flanders 91 angp,cs,dme,pol		deuteron $\pi^+ X$ 7.5 Vlasov 92 a-dep,ang,angp,cor,p		$\Upsilon(1S) X$ 800 Leitch 92 a-dep,cs Alde 91 a-dep,cs,p,pt Leitch 91 a-dep Spiegel 91 a-dep	
$^{40}\text{Ca}^* p$ 1.087 Flanders 91 angp,cs,dme,pol		p ^{54}Fe		$\Upsilon(3S) X + \Upsilon(2S) X$ 800 Leitch 92 a-dep,cs Alde 91 a-dep,cs,p,pt Spiegel 91 a-dep	
$^{40}\text{Sc } n$ 0.5211 Watson 94 angp,pol		$p X$ 0.7927 Hausser 90 angp,cs,p,pol		$n X$ 1.463 - 3.825 Ishibashi 94 angp,p	
p ^{42}Ca		$n X$ 0.7927 - 0.9821 Hicks 93 angp,cs,pol		$^{10}\text{Be } X$ 12.9 Shibata 93 a-dep,cs,p	
inelastic 0.1996 - 0.3039 Carlson 94 cs		p Fe		$^{26}\text{Al } X$ 12.9 Shibata 93 a-dep,cs,p	
p ^{44}Ca		$\nu_e X$ 70 Bunyatov 95 cs Blumlein 92 cs Blumlein 92B cs		$\mu^- \bar{\nu}_\mu X$ 70 Bozhko 92 p	
inelastic 0.1996 - 0.3039 Carlson 94 cs		$\nu_e X + \bar{\nu}_e X$ 70 Ammosov 90B cs		$\mu^- \mu^+ X$ 800 Conrad 95 a-dep,cs,mas,p,pt Arneodo 92 a-dep,mas,p,pt Leitch 92 a-dep,mas,p Alde 91 a-dep,cs Spiegel 91 a-dep Alde 90B a-dep	
$p X$ 0.7927 Baker 91B angp,p,pol		$\bar{\nu}_e X$ 70 Bunyatov 95 cs Blumlein 92 cs Blumlein 92B cs		$\mu^+ \bar{\nu}_\mu X$ 70 Bozhko 92 p	
$^{44}\text{Ca } p$ 0.7927 Baker 91B angp,p		$\nu_\mu X$ 70 Ammosov 90B cs		$2\text{jet } X$ 800 Boca 90 angp,mas,p,pt	
p ^{48}Ca		$\mu^- X$ 70 Belikov 95 p		$2\text{hadron}^+ X$ 800 White 93 a-dep,ang,mas,p,pt Boca 90 angp,mas,p,pt Streets 89 a-dep,ang,mas,p,pt	
inelastic 0.1996 - 0.3039 Carlson 94 cs		$\bar{\nu}_\mu X$ 70 Ammosov 90B cs		$\text{hadron}^+ \text{hadron}^- X$ 800 White 93 a-dep,ang,mas,p,pt Boca 90 angp,mas,p,pt Streets 89 a-dep,ang,mas,p,pt	
$p X$ 0.8354 Baker 91B angp,p,pol		$\mu^+ X$ 70 Belikov 95 p		$2\text{hadron}^- X$ 800 White 93 a-dep,ang,mas,p,pt Boca 90 angp,mas,p,pt Streets 89 a-dep,ang,mas,p,pt	
$^{48}\text{Ca } p$ 0.8351 Feldman 94 angp,p,pol 0.8354 Baker 91B angp,p		jet X 800 Boca 90 angp,mas,p,pt		$\text{charm } \overline{\text{charm}} X$ 70 Belikov 95 cs	
$^{48}\text{Ca}^* p$ 0.6469 Feldman 94 angp,p,pol 0.8351 Feldman 94 angp,p,pol		$\text{hadron}^+ X$ 800 Boca 90 angp,mas,p,pt		p Co	
$^{48}\text{Sc}^* n$ 0.5211 Zhang 92 p,pol		$\text{hadron}^- X$ 800 Boca 90 angp,mas,p,pt		$^{10}\text{Be } X$ 12.9 Shibata 93 a-dep,cs,p	
p Ti		$H^0 X$ 70 Barabash 92 cs Anikeyev 91 cs Blumlein 91 cs Blumlein 90 cs		$^{26}\text{Al } X$ 12.9 Shibata 93 a-dep,cs,p	
$\pi^+ X$ 15 - 65 Belyaev 93 a-dep,angp,p		axion X 70 Barabash 92 cs Anikeyev 91 cs Blumlein 91 cs Blumlein 90 cs		p ^{59}Co	
$\pi^- X$ 15 - 65 Belyaev 93 a-dep,angp,p		$c X$ 70 Blumlein 92 cs Blumlein 92B cs		$^{58}\text{Co } p n$ 1.921 Shvedov 93 cs	
$K^+ X$ 15.97 - 61.99 Gavrishchuk 91B p		$\pi^0 X$ 500 - 5000 Avakyan 91B p Avakyan 91C p		$^{57}\text{Co } p 2n$ 1.921 Shvedov 93 cs	
$K^+ X$ 14.97 - 64.99 Gavrishchuk 92 a-dep,angp,cs,p		charm X 70 Bunyatov 95 cs Barabash 93 cs Bozhko 92 cs		$^{56}\text{Co } p 3n$ 1.921 Shvedov 93 cs	
$K^+ X$ 15 - 65 Belyaev 93 a-dep,angp,p		$\overline{\text{charm}} X$ 70 Bunyatov 95 cs			
$K^+ X$ 15 - 65 Belyaev 93 a-dep,angp,p		$J/\psi(1S) X$ 800 Conrad 95 a-dep,cs,p Leitch 92 a-dep,cs Alde 91D p,pt Leitch 91 a-dep,p,pt Spiegel 91 a-dep Alde 90B a-dep,p,pt			
$^3\text{He } X$ 1.46 Barlow 92 a-dep,angp,p					
$^4\text{He } X$ 1.46 Barlow 92 a-dep,angp,p					
$2\pi^+ X$ 7.5 Vlasov 92 a-dep,ang,angp,cor,p					

$p \text{ Cu} \rightarrow \Sigma^- X$ $p \text{ Ag} \rightarrow \bar{\Lambda} X$

$p \text{ Cu}$			$p \text{ Cu}$			$p \text{ Nb}$		
$\Sigma^- X$	Lach 92	pol	$K^+ 2\pi^- X$ 250	Appel 94	mass	$p \pi^+ X$ 1.463 - 2.359	Trzaska 91C	cs
$\bar{\Sigma}^- X$ 800	Lach 94 Smith 94C Morelos 93 Morelos 93B	- p,pol,pt pol,pt -	$K^- 2\pi^+ X$ 250	Appel 94	mass	$p \pi^- X$ 1.463 - 2.359	Trzaska 91C	cs
$\Xi^- X$ 400	Lach 94 Lach 93 Lach 92 Dubbs 93	p,pol p,pol p,pol -	$K^+ K^- \pi^+ X$ 250	Appel 94	mass	$2p \pi^+ X$ 1.463 - 2.359	Trzaska 91C	cs
800			$K^+ K^- \pi^- X$ 250	Appel 94	mass	$2p \pi^- X$ 1.463 - 2.359	Trzaska 91C	cs
R-baryon X 800	Albuquerque 96	cs	$p 2\pi^- X$ 400	Lach 92	angp,mass	$3p \pi^+ X$ 1.463 - 2.359	Trzaska 91C	cs
R-proton X 800	Albuquerque 96	cs	$e^- e^+ 2\gamma X$ 24	Morse 90	mass	$3p \pi^- X$ 1.463 - 2.359	Trzaska 91C	cs
R- Λ X 800	Albuquerque 96	cs	nucleus n 0.8081 - 0.9543	Sakai 94	angp,p,pol			
R- $\Xi^- X$ 800	Albuquerque 96	cs	$p \text{ } ^{65}\text{Cu}$			$p \text{ Mo}$		
deuteron X 4.9 14.6 60 - 200 200.9	Schmidt 92 Abbott 92 Stocker 95 Schmidt 92 Kampert 92	a-dep,p angp,p,pt a-dep,p a-dep,p a-dep,p	fragt X 4.491	Kozma 91	cs	$\pi^+ X$ 15 - 65	Belyaev 93	a-dep,angp,p
$^{10}\text{Be} X$ 12.9	Shibata 93	a-dep,cs,p	$p \text{ Zn}$			$\pi^- X$ 15.97 - 64.99	Gavrishchuk 91B	a-dep,angp,p p
$e^- e^+ X$ 400	Babu 94	angp,p	γX 0.4539 - 0.5414	Clauton 92B	angp,cs,p	$K^+ X$ 14.97 - 64.99	Gavrishchuk 92	a-dep,angp,cs,p
$\mu^- \mu^+ X$ 200	Baglin 95 Baglin 92B Baglin 91B Baglin 91C Fredj 91	mass cs,pt pt pt a-dep,mass,p,pt	$^{10}\text{Be} X$ 12.9	Shibata 93	a-dep,cs,p	15 - 65	Belyaev 93	a-dep,angp,p
200.9			$^{26}\text{Al} X$ 12.9	Shibata 93	a-dep,cs,p		Gavrishchuk 91C	a-dep,angp,p
800	Kowitt 94 Kowitt 92 Moreno 91	mass,p,pt mass,p,pt mass,pt	$p \text{ } ^{90}\text{Zr}$			$K^- X$ 14.97 - 64.99	Gavrishchuk 92	a-dep,angp,cs,p
2jet X 800	Fields 92	a-dep,angp,col,et	$^{90}\text{Zr} p$ 0.1063	Kimure 94	pol	15 - 65	Belyaev 93	a-dep,angp,p
$2\gamma X$ 1.696 4.5	Chiavassa 92B Abraamyan 94B Abraamyan 94C	mass mass angp,mass	$^{89}\text{Yt} 2p$ 1.696	Vorobiev 95	angp,p		Gavrishchuk 91C	a-dep,angp,p
$2\pi^+ X$ 200.9	Kampert 92	cor,p	$^{89}\text{Zr} p n$ 1.696	Vorobiev 95	angp,p	$p X$ 16.97 - 63.99	Gavrishchuk 91	a-dep,pol
$J/\psi(1S) \text{ (neutrals)} X$ 200	Baglin 91E	et	$p \text{ Zr}$			17.98 - 63.99	Nurushev 91	angp,p,pol
$p \gamma X$ 800	Smith 94C	ang,angp,mass	$n X$ 0.7389 - 1.463	Stamer 93	angp,p	deuteron X 17.98 - 63.99	Nurushev 91	angp,p,pol
$\bar{p} \gamma X$ 800	Smith 94C	ang,angp,mass	$p \text{ Nb}$			$\text{mult}[p] X$ 200.9	Albrecht 93G	a-dep,mult
$p \pi^0 X$ 800	Smith 94C	ang,angp,mass	mult[π^+] X 1.463 - 2.359	Trzaska 91C	cs,mult	mult[n] X 1.057 - 2.784	Pienkowski 94	mult
$\bar{p} \pi^0 X$ 800	Smith 94C	ang,angp,mass	mult[π^-] X 1.463 - 2.359	Trzaska 91C	cs,mult	$\pi^\pm X$ 4.9 60 - 200	Schmidt 92 Stocker 95 Schmidt 92 Kampert 92	a-dep,p a-dep,p a-dep,p a-dep,p
$2p X$ 200.9	Awes 95 Kampert 92	angp,cor cor,p	mult[fragt] X 1.463 - 2.359	Lemaire 91	mult	200.9		
$\Lambda \pi^- X$ 400	Lach 92	angp,mass	mult[p] X 1.463 - 2.359	Lemaire 91	mult	$\pi^+ X$ 100	Whitmore 94	mult,p,pt
$\Sigma^- \gamma X$ 800	Dubbs 93	mass	mult[π^-] mult[fragt] X 1.463 - 2.359	Lemaire 91	mult	$\pi^- X$ 100	Whitmore 94	mult,p,pt
$\pi^0 e^- e^+ X$ 24	Morse 90	mass	$\pi^+ \text{ mult[fragt] } X$ 1.463 - 2.359	Lemaire 91 Lemaire 91B	angp,mult	$K^0 X + \bar{K}^0 X$ 200	Brick 92	a-dep,cs,mult,p
			$\pi^- \text{ mult[fragt] } X$ 1.463 - 2.359	Lemaire 91 Lemaire 91B	angp,mult	$p X$ 4.9 60 - 200	Schmidt 92 Stocker 95 Schmidt 92 Whitmore 94 Albrecht 93G Albrecht 92T Kampert 92	a-dep,p a-dep,p a-dep,p mult,p angp,p angp a-dep,p
			$\pi^+ \pi^- X$ 2.359	Pluta 93	cor,mass	ΛX 200	Brick 92	a-dep,cs,mult,p
						$\bar{\Lambda} X$ 200	Brick 92	a-dep,cs,mult,p

$p \text{ Ag} \rightarrow \text{fragr X}$

$p \text{ Wt} \rightarrow K^+ X$

$p \text{ Ag}$	$p \text{ Xe}$	$p \text{ Ta}$
fragr X 12 Ochiishi 95 angp	ΛX 200 Derado 90B a-dep,cs,mult,p,pt	$(\pi\pi)_{\text{atom}} X$ Afanasyev 93 cor,p,pt
deuteron X 4.9 Schmidt 92 a-dep,p 60 - 200 Stocker 95 a-dep,p 200.9 Schmidt 92 a-dep,p Kampert 92 a-dep,p	$\pi^+ \pi^- X$ 200 Derado 90B mass $K_S \text{ mult}[\text{charged}^-] X$ 200 Derado 90B cor,mult $\text{mult}[p] K_S X$ 200 Derado 90B cor,mult	fragr X 1.696 Domkin 92 angp,mass,p $\pi^+ \pi^- X$ 4.2 - 10 Pluta 93 cor,mass 70 Afanasyev 94 cor,p,pt Afanasyev 93 cor,p,pt Afanasyev 90C cor,p,pt
${}^6\text{Li} X$ 1.696 Andronenko 94 cs	$p \pi^- X$ 200 Derado 90B mass	2p (p's) (π^\pm's) X 10 Angelov 92 ang,cor,p
${}^7\text{Li} X$ 1.696 Andronenko 94 cs	$\Lambda \text{ mult}[\text{charged}] X$ 200 Derado 90B mult	nucleus n 0.8081 - 0.9543 Sakai 94 angp,p,pol
${}^7\text{Be} X$ 1.696 Andronenko 94 cs	$\Lambda \text{ mult}[\text{charged}^-] X$ 200 Derado 90B cor,mult	p Wt
${}^{10}\text{Be} X + {}^9\text{Be} X$ 1.696 Andronenko 94 cs	$\text{mult}[p] \Lambda X$ 200 Derado 90B cor,mult	charged⁻ X 200 Abatzis 91C pt 200.9 Schukraft 91 et,p,pt
${}^{10}\text{Be} X$ 12.9 Shibata 93 a-dep,cs,p	$\Lambda \text{ charged}^- X$ 200 Derado 90B p	jet X 800 Boca 90 angp,mass,p,pt
${}^{10}\text{Bor} X$ 1.696 Andronenko 94 cs	p Ta	hadron X 200 Akesson 92B et,p 450 Akesson 92B et
${}^{12}\text{Bor} X + {}^{11}\text{Bor} X$ 1.696 Andronenko 94 cs	mult[charged] (neutrals) 10 Angelov 91 col,mult	hadron⁺ X 800 Brown 96 a-dep,p,pt Boca 90 angp,mass,p,pt
${}^{26}\text{Al} X$ 12.9 Shibata 93 a-dep,cs,p	mult[nucleon] X 4.2 - 10 Dedovich 94 angp,cor,p,pt	hadron⁻ X 200 Abatzis 94 pt Abatzis 92 pt 800 Brown 96 a-dep,p,pt Boca 90 angp,mass,p,pt
$2e^- X + 2e^+ X$ 450 Akesson 94 a-dep,cs,mass	mult[p] X 6.1 Andreev 92 mult	γX 200.9 Tserruya 95 cs,et,pt Schukraft 91 cs,et,pt
$e^- e^+ X$ 450 Akesson 94 a-dep,cs,mass	charged X 6.1 Andreev 92 mult	$\pi^+ X$ 15 - 65 Belyaev 93 a-dep,angp,p 200 Odyniec 91 p,pt 200.9 Akesson 92 et,pt 800 Straub 92 pt Straub 92B pt
mult[p] charged⁻ X 200 Geist 91 cor,mult	$\pi^\pm X$ 6.1 Andreev 92 mult	$\pi^0 X$ 200.9 Tserruya 95 cs,et,pt Schukraft 91 cs,et,pt
$2\pi^+ X$ 200.9 Kampert 92 cor,p	$\pi^+ X$ 10 Boyarinov 94 a-dep,angp	$\pi^- X$ 15 - 65 Belyaev 93 a-dep,angp,p 15.97 - 62.99 Gavrishchuk 91B p 200 Odyniec 91 p,pt Vanhecke 91 cs,pt
$2p X$ 200.9 Awes 95 angp,cor Kampert 92 cor,p	Boyarinov 92 a-dep,angp,cs,p	ρX 200 Mazzoni 94 cs,p,pt
p In	$\pi^- X$ 10 Boyarinov 94 a-dep,angp	ωX 200 Mazzoni 94 cs,p,pt
n X 1.463 - 3.825 Ishibashi 94 angp,p	$K^+ X$ 10 Boyarinov 94 a-dep,angp,cs,p	$\omega X + \rho X$ 200 Masera 95 p,pt 200.9 Ferreira 92 cs,pt
p Sn	$K^- X$ 10 Boyarinov 94 a-dep,angp	$K^+ X$ 14.97 - 64.99 Gavrishchuk 92 a-dep,angp,cs,p 15 - 65 Belyaev 93 a-dep,angp,p Gavrishchuk 91C a-dep,angp,p
p X 9 Belzer 92 a-dep,p	$p X$ 4.2 Agakishiev 92 a-dep,angp,cs,p	ρX 200 Mazzoni 94 cs,p,pt
${}^{90}\text{Rh} X$ 3.65 - 8.1 Kozma 91B cs	Backovic 92C a-dep,angp,p	ωX 200 Mazzoni 94 cs,p,pt
${}^{110}\text{In} X$ 3.65 - 8.1 Kozma 91B cs	Andreev 92 mult Armutlijsky 91 a-dep,angp	$\omega X + \rho X$ 200 Masera 95 p,pt 200.9 Ferreira 92 cs,pt
p Te	Boyarinov 94 a-dep,angp	$K^+ X$ 14.97 - 64.99 Gavrishchuk 92 a-dep,angp,cs,p 15 - 65 Belyaev 93 a-dep,angp,p Gavrishchuk 91C a-dep,angp,p
γX 0.1684 - 0.2941 Dacruz 93 p 2.626 - 5.864 Dacruz 93 p	$\bar{p} X$ 10 Boyarinov 94 a-dep,angp	ρX 200 Odyniec 91 p,pt Vanhecke 91 cs,pt
I X 0.1684 - 0.2941 Dacruz 93 cs 2.626 - 5.864 Dacruz 93 cs	10.1 Sibirtsev 91 a-dep,angp,p	ωX 200 Mazzoni 94 cs,p,pt
${}^{120}\text{I} X$ 0.1684 - 0.2941 Dacruz 93 cs 2.626 - 5.864 Dacruz 93 cs	10.14 Boyarinov 91 a-dep,angp,p	$K^+ X$ 200 Odyniec 91 p,pt 200.9 Vanhecke 91 cs,pt 800 Akesson 92 et,pt Straub 92 pt Straub 92B pt
${}^{130}\text{I} X$ 0.1684 - 0.2941 Dacruz 93 cs 2.626 - 5.864 Dacruz 93 cs	$(\pi\pi)_{\text{atom}} X$ 70 Afanasyev 94 cor,p,pt	
p Xe		
mult[charged] X 200 Derado 90B mult		
charged⁻ X 200 Derado 90B p		
$K_S X$ 200 Derado 90B a-dep,cs,mult,p,pt		

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$p \text{ Pt} \rightarrow K^0 X + \bar{K}^0 X$ $p \text{ Pt} \rightarrow J/\psi(1S) X$

$p \text{ Wt}$			$p \text{ Wt}$		$p \text{ Wt}$		
$K^0 X + \bar{K}^0 X$	200	Abatzis 94	pt	$n X$	Zhu 92	cs	$2\text{hadron}^- X$
$K^- X$	14.97 - 64.99	Gavrishchuk 92	a-dep,angp,cs,p	$\bar{p} X$	800	Straub 92 Straub 92B	Boca 90 Streets 89
	15 - 65	Belyaev 93	a-dep,angp,p	ΛX	200	Abatzis 95D Abatzis 94 Abatzis 92 Evans 92	200 Lourenco 94
	200	Odyniec 91	p,pt		200.9	Abatzis 91C Schukraft 91 Odyniec 91B	800 Straub 92
	200.9	Vanhecke 91	cs,pt		200	Abatzis 95D Abatzis 94 Abatzis 92 Evans 92 Abatzis 91C Schukraft 91 Odyniec 91B	800 Straub 92
	800	Akesson 92	et,pt	$\bar{\Lambda} X$	200	Abatzis 95D Abatzis 94 Abatzis 92 Evans 92 Abatzis 91C Schukraft 91 Odyniec 91B	200 Masera 95 Mazzoni 92
	800	Straub 92	pt		200.9	Abatzis 95D Abatzis 94 Abatzis 91B Odyniec 91B	200 Masera 95 Mazzoni 92
	800	Straub 92B	pt	$\Sigma^- X$	24	Lach 92	800 Straub 92
$K_S X$	200	Abatzis 92	pt	$\Xi^- X$	200	Abatzis 95D Abatzis 94 Abatzis 91B Odyniec 91B	200 Masera 95 Mazzoni 92
	200	Evans 92	cs,pt		200.9	Abatzis 95D Abatzis 94 Abatzis 91B Odyniec 91B	200 Masera 95 Mazzoni 92
$\phi(1020) X$	200	Masera 95	p,pt	$\Xi^+ X$	200	Abatzis 95D Abatzis 94 Abatzis 91B Odyniec 91B	200 Masera 95 Mazzoni 92
	200	Mazzoni 94	cs,p,pt		200.9	Abatzis 95D Abatzis 94 Abatzis 91B Odyniec 91B	200 Masera 95 Mazzoni 92
	450	Ferreira 92	cs,pt	$\mu^- \mu^+ X$	200	Lourenco 95 Masera 95 Lourenco 94 Mazzoni 94 Ferreira 92 Goerlach 92 Tserruya 95 Lourenco 93	200 Straub 92
	450	Fredj 91	a-dep,cs,p,pt		200.9	Lourenco 95 Masera 95 Lourenco 94 Mazzoni 94 Ferreira 92 Goerlach 92 Tserruya 95 Lourenco 93	200 Straub 92
$D^+ X$	250	Appel 94	cs,p		450	Fredj 91	800 Straub 92
$D^- X$	250	Appel 94	cs,p		800	Conrad 95	250 Appel 94
$D_s^+ X$	250	Appel 94	cs,p		800	Leitch 95	250 Appel 94
$D_s^- X$	250	Appel 94	cs,p		800	Jansen 93	250 Appel 94
$J/\psi(1S) X$	200	Baglin 95	cs		800	Leitch 92	250 Appel 94
	200.9	Baglin 95B	cs		800	Alde 91D	250 Appel 94
	200.9	Lourenco 95	cs,p,pt		800	Leitch 91	250 Appel 94
	200.9	Lourenco 94	cs		800	Spiegel 91	250 Appel 94
	450	Tserruya 95	cs		800	Alde 90B	250 Appel 94
	800	Lourenco 93	cs		800	Alde 90B	250 Appel 94
	800	Fredj 91	a-dep,cs,p,pt		800	Alde 90B	250 Appel 94
	800	Conrad 95	a-dep,cs,p		800	Alde 90B	250 Appel 94
	800	Leitch 95	a-dep,p,pt		800	Alde 90B	250 Appel 94
	800	Jansen 93	a-dep,p		800	Alde 90B	250 Appel 94
	800	Leitch 92	a-dep,cs,p,pt		800	Alde 90B	250 Appel 94
	800	Alde 91D	p,pt		800	Alde 90B	250 Appel 94
	800	Leitch 91	a-dep,p,pt		800	Alde 90B	250 Appel 94
	800	Spiegel 91	a-dep		800	Alde 90B	250 Appel 94
	800	Alde 90B	a-dep,p,pt		800	Alde 90B	250 Appel 94
$\psi(2S) X$	200	Baglin 95	cs		800	Alde 90B	250 Appel 94
	200.9	Baglin 95B	cs		800	Alde 90B	250 Appel 94
	200.9	Lourenco 95	cs,p,pt		800	Alde 90B	250 Appel 94
	200.9	Lourenco 94	cs		800	Alde 90B	250 Appel 94
	450	Tserruya 95	cs		800	Alde 90B	250 Appel 94
	800	Lourenco 93	cs		800	Alde 90B	250 Appel 94
	800	Fredj 91	a-dep,cs,p,pt		800	Alde 90B	250 Appel 94
	800	Leitch 92	a-dep,cs		800	Alde 90B	250 Appel 94
	800	Leitch 91	a-dep		800	Alde 90B	250 Appel 94
	800	Spiegel 91	a-dep		800	Alde 90B	250 Appel 94
	800	Alde 90B	a-dep		800	Alde 90B	250 Appel 94
$\psi(3770) X$	800	Alde 91D	p,pt		800	Alde 90B	250 Appel 94
$\Upsilon(1S) X$	800	Leitch 92	a-dep,cs,p,pt		800	Alde 90B	250 Appel 94
	800	Alde 91	a-dep,cs,p,pt		800	Alde 90B	250 Appel 94
	800	Leitch 91	a-dep		800	Alde 90B	250 Appel 94
	800	Spiegel 91	a-dep		800	Alde 90B	250 Appel 94
$\Upsilon(3S) X + \Upsilon(2S) X$	800	Leitch 92	a-dep,cs,p,pt		800	Alde 90B	250 Appel 94
	800	Alde 91	a-dep,cs,p,pt		800	Alde 90B	250 Appel 94
	800	Leitch 91	a-dep		800	Alde 90B	250 Appel 94
	800	Spiegel 91	a-dep		800	Alde 90B	250 Appel 94
$p X$	200	Vanhecke 91	cs,pt		800	Alde 90B	250 Appel 94
	800	Straub 92	pt		800	Alde 90B	250 Appel 94
	800	Straub 92B	pt		800	Alde 90B	250 Appel 94
$n X$	1.463	Bowman 93	cs		800	Alde 90B	250 Appel 94
	1.463	Vanoers 93	cs		800	Alde 90B	250 Appel 94
	1.463	Frankel 92	cs		800	Alde 90B	250 Appel 94
	200	Abatzis 92	pt		800	Alde 90B	250 Appel 94
	200	Evans 92	cs,pt		800	Alde 90B	250 Appel 94
	200	Masera 95	p,pt		800	Alde 90B	250 Appel 94
	200	Mazzoni 94	cs,p,pt		800	Alde 90B	250 Appel 94
	200	Ferreira 92	cs,pt		800	Alde 90B	250 Appel 94
	200	Fredj 91	a-dep,cs,p,pt		800	Alde 90B	250 Appel 94
	200	Conrad 95	a-dep,cs,p		800	Alde 90B	250 Appel 94
	200	Leitch 95	a-dep,p,pt		800	Alde 90B	250 Appel 94
	200	Jansen 93	a-dep,p		800	Alde 90B	250 Appel 94
	200	Leitch 92	a-dep,cs,p,pt		800	Alde 90B	250 Appel 94
	200	Alde 91D	p,pt		800	Alde 90B	250 Appel 94
	200	Leitch 91	a-dep,p,pt		800	Alde 90B	250 Appel 94
	200	Spiegel 91	a-dep		800	Alde 90B	250 Appel 94
	200	Alde 90B	a-dep,p,pt		800	Alde 90B	250 Appel 94
	200	Abatzis 92	pt		800	Alde 90B	250 Appel 94
	200	Evans 92	cs,pt		800	Alde 90B	250 Appel 94
	200	Masera 95	p,pt		800	Alde 90B	250 Appel 94
	200	Mazzoni 94	cs,p,pt		800	Alde 90B	250 Appel 94
	200	Ferreira 92	cs,pt		800	Alde 90B	250 Appel 94
	200	Fredj 91	a-dep,cs,p,pt		800	Alde 90B	250 Appel 94
	200	Conrad 95	a-dep,cs,p		800	Alde 90B	250 Appel 94
	200	Leitch 95	a-dep,p,pt		800	Alde 90B	250 Appel 94
	200	Jansen 93	a-dep,p		800	Alde 90B	250 Appel 94
	200	Leitch 92	a-dep,cs,p,pt		800	Alde 90B	250 Appel 94
	200	Alde 91D	p,pt		800	Alde 90B	250 Appel 94
	200	Leitch 91	a-dep,p,pt		800	Alde 90B	250 Appel 94
	200	Spiegel 91	a-dep		800	Alde 90B	250 Appel 94
	200	Alde 90B	a-dep,p,pt		800	Alde 90B	250 Appel 94
	200	Abatzis 92	pt		800	Alde 90B	250 Appel 94
	200	Evans 92	cs,pt		800	Alde 90B	250 Appel 94
	200	Masera 95	p,pt		800	Alde 90B	250 Appel 94
	200	Mazzoni 94	cs,p,pt		800	Alde 90B	250 Appel 94
	200	Ferreira 92	cs,pt		800	Alde 90B	250 Appel 94
	200	Fredj 91	a-dep,cs,p,pt		800	Alde 90B	250 Appel 94
	200	Conrad 95	a-dep,cs,p		800	Alde 90B	250 Appel 94
	200	Leitch 95	a-dep,p,pt		800	Alde 90B	250 Appel 94
	200	Jansen 93	a-dep,p		800	Alde 90B	250 Appel 94
	200	Leitch 92	a-dep,cs,p,pt		800	Alde 90B	250 Appel 94
	200	Alde 91D	p,pt		800	Alde 90B	250 Appel 94
	200	Leitch 91	a-dep,p,pt		800	Alde 90B	250 Appel 94
	200	Spiegel 91	a-dep		800	Alde 90B	250 Appel 94
	200	Alde 90B	a-dep,p,pt		800	Alde 90B	250 Appel 94
	200	Abatzis 92	pt		800	Alde 90B	250 Appel 94
	200	Evans 92	cs,pt		800	Alde 90B	250 Appel 94
	200	Masera 95	p,pt		800	Alde 90B	250 Appel 94
	200	Mazzoni 94	cs,p,pt		800	Alde 90B	250 Appel 94
	200	Ferreira 92	cs,pt		800	Alde 90B	250 Appel 94
	200	Fredj 91	a-dep,cs,p,pt		800	Alde 90B	250 Appel 94
	200	Conrad 95	a-dep,cs,p		800	Alde 90B	250 Appel 94
	200	Leitch 95	a-dep,p,pt		800	Alde 90B	250 Appel 94
	200	Jansen 93	a-dep,p		800	Alde 90B	250 Appel 94
	200	Leitch 92	a-dep,cs,p,pt		800	Alde 90B	250 Appel 94
	200	Alde 91D	p,pt		800	Alde 90B	250 Appel 94
	200	Leitch 91	a-dep,p,pt		800	Alde 90B	250 Appel 94
	200	Spiegel 91	a-dep		800	Alde 90B	250 Appel 94
	200	Alde 90B	a-dep,p,pt		800	Alde 90B	250 Appel 94
	200	Abatzis 92	pt		800	Alde 90B	250 Appel 94
	200	Evans 92	cs,pt		800	Alde 90B	250 Appel 94
	200	Masera 95	p,pt		800	Alde 90B	250 Appel 94
	200	Mazzoni 94	cs,p,pt		800	Alde 90B	250 Appel 94
	200	Ferreira 92	cs,pt		800	Alde 90B	250 Appel 94
	200	Fredj 91	a-dep,cs,p,pt		800	Alde 90B	250 Appel 94
	200	Conrad 95	a-dep,cs,p		800	Alde 90B	250 Appel 94
	200	Leitch 95	a-dep,p,pt		800	Alde 90B	250 Appel 94
	200	Jansen 93	a-dep,p		800	Alde 90B	250 Appel 94
	200	Leitch 92	a-dep,cs,p,pt		800	Alde 90B	250 Appel 94
	200	Alde 91D	p,pt		800	Alde 90B	250 Appel 94
	200	Leitch 91	a-dep,p,pt		800	Alde 90B	250 Appel 94
	200	Spiegel 91	a-dep		800	Alde 90B	250 Appel 94
	200	Alde 90B	a-dep,p,pt		800	Alde 90B	250 Appel 94
	200	Abatzis 92	pt		800	Alde 90B	250 Appel 94
	200	Evans 92	cs,pt		800	Alde 90B	250 Appel 94
	200	Masera 95	p,pt		800	Alde 90B	250 Appel 94
	200	Mazzoni 94	cs,p,pt		800	Alde 90B	250 Appel 94
	200	Ferreira 92	cs,pt		800	Alde 90B	250 Appel 94
	200	Fredj 91	a-dep,cs,p,pt		800	Alde 90B	250 Appel 94
	200	Conrad 95	a-dep,cs,p		800	Alde 90B	250 Appel 94
</							

$n n \rightarrow \text{charged } X$ $n {}^{59}\text{Co} \rightarrow \text{Fe}^* p$

$n n$	n nucleus	n C
charged X 200	Gazdzicki 91 mult	${}^3\text{H} X$ 0.2858 - 0.376 Slypen 96 angp,cs,p
charged ⁻ X 1.424 - 405 200	Gazdzicki 95 mult Gazdzicki 91 mult	${}^4\text{He} X$ 0.2858 - 0.376 Slypen 96 angp,cs,p
π^+ X 200	Gazdzicki 91 mult	$p \pi^- X$ 4 - 10 Vishnevsky 94 mass
π^0 X 200	Gazdzicki 91 mult	$\Lambda K^0 X$ 4.849 - 10.8 Alekseev 91B mass,p,pt
π^- X 200	Gazdzicki 91 mult	$K^+ \pi^+ 2\pi^- X$ 37.5 - 70 Aleev 93D mass
K^+ X 200	Gazdzicki 91 mult	$K^- 2\pi^+ \pi^- X$ 37.5 - 70 Aleev 93D mass
K^- X 200	Gazdzicki 91 mult	$n {}^{12}\text{C}$
K_S X 200	Gazdzicki 91 mult	$N\phi(1950)^0 X$ 40 Landsberg 94C ang,cs,p,pt Landsberg 90 cs,p,pt
p X 200	Gazdzicki 91 mult	$\Lambda K^+ \pi^- X$ 40 Landsberg 94C mass Landsberg 90 mass
n X 200	Gazdzicki 91 mult	n Nit
\bar{n} X 200	Gazdzicki 91 mult	X 0 - 1.21 Finlay 93 a-dep,cs,p
\bar{p} X 200	Gazdzicki 91 mult	n O
$\Lambda X + \Sigma^0 X$ 200	Gazdzicki 91 mult	X 0 - 1.21 Finlay 93 a-dep,cs,p
$\bar{\Lambda} X + \bar{\Sigma}^0 X$ 200	Gazdzicki 91 mult	$n {}^{19}\text{F}$
$\nu_e \bar{\nu}_e$?	Berger 91 -	X 0 - 1.21 Finlay 93 a-dep,cs,p
$\nu_\mu \bar{\nu}_\mu$?	Berger 91 -	$n {}^{23}\text{Na}$
nucleon ℓ^+ ?	Berger 91 -	X 0 - 1.21 Finlay 93 a-dep,cs,p
$\Delta(1232 P_{33})^- e^+$?	Berger 91 -	n Al
$\Delta(1232 P_{33})^- \mu^+$?	Berger 91 -	$\phi(1020) X$ 30 - 70 Aleev 93E a-dep,cs,p,pt
$2\pi^0$?	Berger 91 -	$\bar{D}^0 X$ 37.5 - 70 Aleev 93D a-dep,cs,p,pt
π^+ ?	Berger 91 -	$K^+ \pi^+ 2\pi^- X$ 37.5 - 70 Aleev 93D mass
π^- ?	Berger 91 -	$K^- 2\pi^+ \pi^- X$ 37.5 - 70 Aleev 93D mass
n nucleus		$n {}^{27}\text{Al}$
$X(3250) X$ 40	Aleev 93B cs	X 0 - 1.21 Finlay 93 a-dep,cs,p
$D^- X$ 40 - 70	Aleev 93C mass	n Si
baryonium X 20 - 70	Tatishvili 92 cs	X 0 - 1.21 Finlay 93 a-dep,cs,p
baryonium($S = -1$) X 40	Aleev 93B cs	$n {}^{40}\text{Ca}$
baryonium($S = +1$) X 20 - 70	Tatishvili 92 cs	X 0 - 1.21 Finlay 93 a-dep,cs,p
$\Lambda_c^+ X$ 40 - 70	Aleev 93C mass	$n {}^{51}\text{V}$
$\Xi_c(2460)^+ X$ 40	Aleev 93 pol	Ti* p 0.6413 Alford 93 angp,p,pwa
$K^+ \phi(1020) X$ 30 - 70	Aleev 93E cs	n Fe
$K^- \phi(1020) X$ 30 - 70	Aleev 93E cs	$\pi^0 X$ 500 - 5000 Avakyan 91B p Avakyan 91C p
$K_S \phi(1020) X$ 30 - 70	Aleev 93E cs	$n {}^{59}\text{Co}$
$\Lambda \phi(1020) X$ 30 - 70	Aleev 93E cs	Fe* p 0.6413 Alford 93 angp,p,pwa
$\bar{p} \Lambda \pi^+ X$ 20 - 70	Tatishvili 92 mass	
$\bar{p} \Lambda \pi^- X$ 20 - 70	Tatishvili 92 mass	
$p \bar{\Lambda} \pi^+ X$ 20 - 70	Tatishvili 92 mass	
$p \bar{\Lambda} \pi^- X$ 20 - 70	Tatishvili 92 mass	
$\bar{p} \Lambda K^+ X$ 20 - 70	Tatishvili 92 mass	
$p \bar{\Lambda} K^- X$ 20 - 70	Tatishvili 92 mass	
$p K_S K^- \pi^+ X$ 40	Aleev 93 ang,mass	
$p \bar{p} K^+ K_S X$ 20 - 70	Tatishvili 92 mass	
$p \bar{p} K_S K^- X$ 20 - 70	Tatishvili 92 mass	
$\bar{p} \Lambda 2\pi^+ X$ 20 - 70	Tatishvili 92 mass	
$\bar{p} \Lambda \pi^+ \pi^- X$ 20 - 70	Tatishvili 92 mass	
$\bar{p} \Lambda 2\pi^- X$ 20 - 70	Tatishvili 92 mass	
$p \bar{\Lambda} 2\pi^+ X$ 20 - 70	Tatishvili 92 mass	
$p \bar{\Lambda} \pi^+ \pi^- X$ 20 - 70	Tatishvili 92 mass	
$\bar{p} \Lambda K^+ \pi^+ X$ 20 - 70	Tatishvili 92 mass	
$\bar{p} \Lambda K^+ \pi^- X$ 20 - 70	Tatishvili 92 mass	
$p \bar{\Lambda} K^- \pi^+ X$ 20 - 70	Tatishvili 92 mass	
$p \bar{\Lambda} K^- \pi^- X$ 20 - 70	Tatishvili 92 mass	
nucleon n < 0.004335	Leeb 92 cs	
n deuteron		
deuteron n 0.07514 0.09706 - 0.1267 0.3611	Mcaninch 94 asym,pol Tornow 91 angp,pol Balewski 95 angp Ruhl 91 pol	
$p 2n$ 0.3611	Balewski 95 angp,p Kistryn 92 pol	
$n {}^9\text{Be}$		X 0 - 1.21 Finlay 93 a-dep,cs,p
n C		X 0 - 1.21 Finlay 93 a-dep,cs,p
γX 0.17	Malek 91 angp,p	
$\pi^- X$ 0.6449 - 1.188	Brooks 92 angp,cs,p	
$\phi(1020) X$ 30 - 70	Aleev 93E a-dep,cs,p,pt	
$\bar{D}^0 X$ 37.5 - 70	Aleev 93D a-dep,cs,p,pt	
$p X$ 0.2858 - 0.376	Slypen 95 angp,cs,p	
ΛX 4 - 10	Vishnevsky 94 p,pol,pt	
deuteron X 0.2858 - 0.376	Slypen 95 angp,cs,p	

$n \text{ Cu} \rightarrow X$

$\bar{n} \text{ Ta} \rightarrow \text{mult}[\pi^-] X$

$n \text{ Cu}$	$n \text{ }^{124}\text{Sn}$	$n \text{ }^{242}\text{Am}$
X 0 - 1.21 $\phi(1020) X$ 30 - 70 $\Lambda K^0 X$ 4.849 - 10.8	$^{125}\text{Sn } \gamma$ Masuda 92B Shimizu 92 angp,asym,pwa	fragt (fragts) 0.01734 - 0.09706 Shigin 91 angp,cs
Finlay 93 a-dep,cs,p Aleev 93E a-dep,cs,p,pt Alekshev 91B mass,p,pt	$n \text{ }^{127}\text{I}$	$n \text{ }^{245}\text{Cm}$
	X 0 - 1.21 Finlay 93 a-dep,cs,p	fragt (fragts) 0.03358 - 0.09706 Gokhberg 91 angp,cs
$n \text{ }^{81}\text{Br}$	$n \text{ Xe}$	$\bar{n} p$
$^{82}\text{Br } \gamma$ 0 3.065 · 10 ⁻⁵ - 5.129 · 10 ⁻⁵	mult[charged] (neutrals) 0 - 2 Strugalski 91C mult	annihil 0.18 - 0.281 Ableev 94H a-dep,cs
Adachi 94 angp,asym,pwa Masuda 92 asym Masuda 92B asym Shimizu 92 angp,asym,pwa	$n \text{ }^{133}\text{Cs}$	$2\pi^+ \pi^- X$ 0 Adamo 92B mass
	X 0 - 1.21 Finlay 93 a-dep,cs,p	$3\pi^+ 2\pi^- X$ 0 Adamo 92B mass
$n \text{ Rb}$	$n \text{ }^{139}\text{La}$	$\pi^+ \text{ meson}^0$ 0 Zenoni 94 Adamo 92B Adamo 92C < 0.2 Feliciello 94 > 0.25 Feliciello 94 > 0.27 Feliciello 94
Rb n 9.693 · 10 ⁻⁵ - 0.0001622 Alfimenkov 91 cs	$^{139}\text{La } n$ 9.693 · 10 ⁻⁵ - 0.0001622 Alfimenkov 91 cs	0.1 - 0.29 < 0.2 > 0.25 > 0.27
	$\text{La}^* \gamma$ 0 - 0.1628 Bisplinghoff 94 cs	$\rho^0 \pi^+$ 0 Adamo 92B Adamo 92C
$n \text{ }^{90}\text{Zr}$	$^{140}\text{La } \gamma$ 0 Adachi 94 angp,asym,pwa	$\omega \pi^+$ 0.064 - 0.297 Ableev 94D cs 0.1 - 0.297 Lucherini 94 cs
X 0 - 1.21 Finlay 93 a-dep,cs,p	3.065 · 10 ⁻⁵ - 5.129 · 10 ⁻⁵ Masuda 92 asym Masuda 92B asym Shimizu 92 angp,asym,pwa	$f_2(1270) \pi^+$ 0 Adamo 92B Adamo 92C
$n \text{ }^{93}\text{Nb}$	$n \text{ }^{181}\text{Ta}$	$f_2(1520) \pi^+$ 0 Hertzog 92
X 0 - 1.21 Finlay 93 a-dep,cs,p	X 0 - 1.21 Finlay 93 a-dep,cs,p	$\phi(1020) \pi^+$ 0 Sapozhnikov 94B cs 0.064 - 0.297 Ableev 94D cs 0.1 - 0.297 Lucherini 94 cs
$n \text{ }^{93}\text{Nb}$	$n \text{ Pb}$	$2\pi^+ \pi^-$ 0 Zenoni 94 mass 0.1 - 0.29 Adamo 92C mass
X 0 - 1.21 Finlay 93 a-dep,cs,p	ΛX 4 - 10 Vishnevsky 94 p,pol,pt	$K^+ K^- \pi^+$ 0.064 - 0.297 Ableev 94D mass 0.1 - 0.297 Lucherini 94 mass
$^{94}\text{Nb } \gamma$ 0 3.065 · 10 ⁻⁵ - 5.129 · 10 ⁻⁵	$p \pi^- X$ 4 - 10 Vishnevsky 94 mass	$2\pi^+ \pi^0 \pi^-$ 0.064 - 0.297 Ableev 94D mass 0.1 - 0.297 Lucherini 94 mass
Adachi 94 angp,asym,pwa Masuda 92 asym Masuda 92B asym Shimizu 92 angp,asym,pwa	$n \text{ }^{208}\text{Pb}$	$3\pi^+ 2\pi^-$ 0.1 - 0.29 Adamo 92C mass < 0.2 Feliciello 94 mass > 0.25 Feliciello 94 mass > 0.27 Feliciello 94 mass
	X 0 - 1.21 Finlay 93 a-dep,cs,p	$\bar{n} C$
$n \text{ }^{108}\text{Pd}$	$^{208}\text{Pb } p$ 0.9799 Iwasaki 91B angp,p	annihil 0 Baldoceolin 94 cs 0.18 - 0.281 Ableev 94H a-dep,cs
$^{109}\text{Pd } \gamma$ 0 3.065 · 10 ⁻⁵ - 5.129 · 10 ⁻⁵	0.9799 Iwasaki 91B angp,p	$\bar{n} \text{ Al}$
Adachi 94 angp,asym,pwa Masuda 92 asym Masuda 92B asym Shimizu 92 angp,asym,pwa	$^{208}\text{Pb } n$ 0.0003065 - 0.00866 Schmiedmayer 91 cs	annihil 0.18 - 0.281 Ableev 94H a-dep,cs
$n \text{ }^{111}\text{Cd}$	$n \text{ }^{208}\text{Bi}$	$\bar{n} \text{ Cu}$
$^{112}\text{Cd } \gamma$ 0 3.065 · 10 ⁻⁵ - 5.129 · 10 ⁻⁵	X 0 - 1.21 Finlay 93 a-dep,cs,p	annihil 0.18 - 0.281 Ableev 94H a-dep,cs
Adachi 94 angp,asym,pwa Masuda 92 asym Masuda 92B asym Shimizu 92 angp,asym,pwa	$n \text{ }^{232}\text{Th}$	$\bar{n} \text{ Sn}$
	$^{232}\text{Th } n$ 0.0001062 - 0.000402 Bowman 93 asym,qnc 0.0001062 - 0.001371 Vanoers 93 asym,cs,pol,qnc 0.0001062 - 0.002742 Frankel 92 asym,cs,pol,qnc	annihil 0.18 - 0.281 Ableev 94H a-dep,cs
$n \text{ }^{113}\text{Cd}$	$n \text{ }^{238}\text{U}$	$\bar{n} \text{ Ta}$
γX 9.693 · 10 ⁻⁵ - 0.0001301 Barabanov 93 asym	$^{238}\text{U } n$ 0.0001062 - 0.001371 Vanoers 93 asym,cs,pol,qnc Zhu 92 asym,cs,pol,qnc	mult[charged] X 6.1 Andreev 92 mult
$^{113}\text{Cd } n$ 9.693 · 10 ⁻⁵ - 0.0001622 Alfimenkov 91 cs	$\text{U}^* \gamma$ 0 - 0.1628 Bisplinghoff 94 cs	mult[π^\pm] X 6.1 Andreev 92 mult
		mult[π^-] X 6.1 Andreev 92 mult
$n \text{ Sn}$		
X 0 - 1.21 Finlay 93 a-dep,cs,p		
$n \text{ }^{124}\text{Sn}$		
$^{125}\text{Sn } \gamma$ 0 3.065 · 10 ⁻⁵ - 5.129 · 10 ⁻⁵		
Adachi 94 angp,asym,pwa Masuda 92 asym		

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

\bar{n} Ta \rightarrow mult[p] X $\bar{p} p \rightarrow \gamma X$

\bar{n} Ta	$\bar{p} p$	$\bar{p} p$
mult[p] X 6.1 Andreev 92 mult	$\mu^\pm X$ Laasanen 91 pt	charged ⁻ X (630) Bocquet 95C mult,p,pt Bocquet 94 p,pt
charged X 6.1 Andreev 92 mult	$\mu^- X$ (630) Albajar 95 ang,p,pt (1800) Abachi 95P p,pt Abachi 94C cs,p,pt Barker 94 p,pt Bazizi 94 pt Byrum 94 pt Frisch 94 et,mass,p Hedin 94 p,pt Shochet 94 cs,pt Denisov 93 p,pt Maciel 93 p,pt Trippe 93 pt Zylberstejn 93 p,pt	jet X (540 - 630) Jakobs 94 et,p (546 - 1800) Abe 93ZK cs,et Abe 92I pt Behrends 92 et Flaughner 92B pt Bocquet 94 et Bethke 91 pt Alitti 90E p,pt Abe 96B et,p Abachi 95S et,p Abachi 95ZI et,p Blazey 95 et,p Buckleygeer 95 et Bartalini 94 et,p Bhatti 94 const,et Fahley 94 et,p Plunkett 94 et,p Weerts 94 col,p,pt Yu 94 et Abe 93L et Astur 93 pt Diehl 93 angp,et Huston 93 et,p Kotcher 93 et Meschi 93 et,p Piekarz 93B et,mult,p Zanetti 93 et Zylberstejn 93 et,p Abe 92H et Flaughner 92 et Harris 92 et Madaras 92 et Sinervo 92 pt Yeh 92 et Abe 91F pt Abe 91I p,pt Bethke 91 pt Buckleygeer 91 pt Giannetti 91 pt Plunkett 91 et Wainer 91B col,et
$\pi^\pm X$ 6.1 Andreev 92 mult	$\mu^+ X$ (630) Albajar 95 ang,p,pt (1800) Abachi 95P p,pt Abachi 94C cs,p,pt Barker 94 p,pt Bazizi 94 pt Byrum 94 pt Frisch 94 et,mass,p Hedin 94 p,pt Shochet 94 cs,pt Denisov 93 p,pt Maciel 93 p,pt Trippe 93 pt Zylberstejn 93 p,pt	
$\pi^+ X$ 6.1 Andreev 92 mult		
$\pi^- X$ 6.1 Andreev 92 mult		
p X 6.1 Andreev 92 mult		
mult[p] mult[π^\pm] X 6.1 Andreev 92 mult		
mult[p] $\pi^\pm X$ 6.1 Andreev 92 mult		
p mult[π^\pm] X 6.1 Andreev 92 mult		
\bar{n} Pb		
annihil 0.18 - 0.281 Ableev 94H a-dep,cs		
$\bar{p} p$		
X 0.2 - 1.5 Amsler 91 cs 0.22 - 0.6 Bradamante 91 cs < 0.925 Timmermans 94 cs (541) Augier 94 cs (546 - 1800) Abe 93S cs Belforte 93 cs Belforte 93B cs Chiarelli 93 cs (1020) Amos 92 cs (1020 - 1800) Rubinstein 93 cs (1800) Sinervo 92 et Abe 91B col,et Abe 91I et Giannetti 91 et Wainer 91 et White 91 cs	mult[charged] X 32 Bogolyubsky 94 col,mult,p (300 - 1800) Bravina 92 angp,col,p Alexopoulos 95 cor,mult,p (630) Albajar 92 angp,col,p Joyce 91 et,mass,p,pt,pt (630 - 1800) Rimondi 93 mult (640) Schmitz 91 angp,col,p (1800) Rimondi 94 mult,p,pt Rimondi 92B mult Buckleygeer 91 mult,pt	charged-hadron X (630) Bocquet 95B cs,p,pt
inelastic (546 - 1800) Abe 93S cs Belforte 93 cs (1800) Belforte 93B cs White 91 cs	mult[charged ⁺] X (630) Neumeister 93 cor	longlived X (1800) Gold 92 pt
annihil 0.001 - 0.066 Ableev 94F cs 0.0664 - 0.0714 Agnello 91 cs 0.2 - 1.5 Amsler 91 cs < 0.925 Timmermans 94 cs	mult[charged ⁻] X (630) Neumeister 93 cor	γX (24.3) Balocchi 94 const,p,pt Balocchi 93 const,pt Sozzi 93 pt (53) Raha 91 pt (100) Harris 91 pt (540 - 630) Jakobs 94 et,p (630) Alitti 92B pt Alitti 91 pt (1800) Abachi 95T p,pt Blazey 95 pt Buckleygeer 95 pt Lamoureux 95 et,p Abe 94H pt Buckleygeer 94 pt Decarlo 94 pt Fahley 94 pt Geer 94 pt Kuhlmann 94 cs,pt Maghakian 94 pt Plunkett 94 angp,p,pt Shochet 94 pt Yu 94 pt Abe 93D angp Abe 93F pt Alexopoulos 93 angp,p Diehl 93 pt Flaughner 93 pt Huston 93 p,pt Kotcher 93 pt Maas 93 pt Meschi 93 p,pt Snow 93 pt
$e^\pm X$ (1800) Klima 93 - Mangano 93 pt Maeshima 92 pt Sinervo 92 mass Fuess 91 mass,pt Gold 91 pt Kuhlmann 91 pt Sansoni 91 pt	mult[jet] X (630) Joyce 91 et,mult (1800) Abe 94F ang,col,p,pt Geer 94 et Flaughner 92 et Abe 91I mass,mult,pt Giannetti 91 mult	
$e^- X$ (1800) Bazizi 94 et,pt Frisch 94 et,mass,p Abe 93O pt Barbarogalti 92 pt	mult[hadron] X (1800) Rimondi 92B et	
$e^+ X$ (1800) Bazizi 94 et,pt Frisch 94 et,mass,p	charged X (300 - 1800) Alexopoulos 94C angp,pt (540) Goulianos 94 mult (630) Bocquet 95C mult,p,pt Bocquet 94 p,pt Joyce 91 p (1800) Alexopoulos 95C mult,p,pt Abe 94L mult,p,pt Decarlo 92 mult Rimondi 92B mult,pt	
$\mu^\pm X$ (1800) Bazizi 93 pt Lebrun 93 p,pt Madaras 92 pt Maeshima 92 pt Sinervo 92 mass Fuess 91 mass,pt Gold 91 pt Kuhlmann 91 pt	charged ⁺ X (630) Bocquet 95C mult,p,pt Bocquet 94 p,pt	

$\bar{p} p \rightarrow \gamma X$ $\bar{p} p \rightarrow W'^- X$

$\bar{p} p$	$\bar{p} p$	$\bar{p} p$
γX	$W^+ X$	$Z^0 X$
Zylberstejn 93 p,pt Abe 92B angp,pt Abe 92L pt Flaugher 92 pt Flaugher 92B pt Harris 92 pt Madaras 92 pt Yeh 92 pt Giannetti 91 pt Plunkett 91 pt	Melese 94 - Nodulman 94 cs Quintas 94 cs Sakyumoto 94 - Abe 93G angp Cdfcollabora 93F cs Dickson 93 - Glicenstein 93 const,cs,et,p Zhu 93 - Zylberstejn 93 const,cs,et,p Rolandi 92 - Abe 91L pol Leone 91 angp Winer 91B angp	(1800) Plothowbesch 91 cs Abachi 95I cs Abachi 95ZE cs,p,pt Abe 95G cs Abe 95ZE cs Hoftun 95 cs,p,pt Kopp 95 cs,pt Abe 94ZG cs Badgett 94 cs Ducros 94 cs Fahley 94 pt Frisch 94 cs,p Geer 94 cs,et,pt Graf 94 cs Hara 94 cs Kim 94 cs Cdfcollabora 93F cs Demarteau 93 cs Diehl 93 cs Graf 93 - Zhu 93 - Zylberstejn 93 cs Abe 92C cs Madaras 92 - Abe 91C - Abe 91J pt Abe 90L cs
W^\pm Ojet X (546 - 630)	Lindgren 92 const,cs	
$W^\pm X$ 1800 (546 - 630) (630)	Abe 90J - Bryman 92 - Bryman 92 - Rolandi 92 cs Alitti 91B const,cs Alitti 91C - Alitti 91E cs Alitti 91F cs Alitti 91I - Plothowbesch 91 cs Demarteau 93 cs Diehl 93 cs Graf 93 cs Klima 93 p,pt Saltzberg 93 - Abe 92C cs Abe 92F - Grassmann 92 p Leone 92 cs,p Madaras 92 cs Sinervo 92 - Abe 91 pt Abe 91M cs Plothowbesch 91 cs Winer 91C pt Abe 90L cs Gobbi 92 cs	
(1800)	Jakobs 94 const,cs,p,pt Abachi 95I cs Abachi 95Y const,cs,et Abachi 95ZD cs Abachi 95ZE cs,p,pt Abachi 95ZM const,cs,et,p Abe 95C - Abe 95G cs Abe 95H - Abe 95ZE cs Abe 95ZK - Blazey 95 const,et Debarbaro 95 - Frisch 95 - Hoftun 95 cs,p,pt Kim 95 - Kopp 95 cs,pt Yu 95 const,et,p Abe 94 - Abe 94M - Abe 94S pt Abe 94ZG cs Badgett 94 cs Budd 94 - Debarbaro 94 - Ducros 94 cs,p Fahley 94 pt Frisch 94 cs,p Geer 94 cs,et,pt Graf 94 cs Hara 94 cs Jung 94 - Keup 94 - Kim 94 cs Melese 94 - Nodulman 94 cs Quintas 94 cs Sakyumoto 94 - Abe 93G angp Cdfcollabora 93F cs Dickson 93 - Glicenstein 93 const,cs,et,p Zhu 93 - Zylberstejn 93 const,cs,et,p Rolandi 92 - Abe 91L pol Leone 91 angp Winer 91B angp	$W_R X$ (1800) Abachi 95ZN cs $W_R^+ X$ (1800) Abachi 95ZN cs $W_R^- X$ (1800) Abachi 95ZN cs $W'^\pm < q \bar{q} > X$ (1800) Harris 95B cs $W'^\pm X$ (1800) Kopp 94 cs Gold 92 cs Maeshima 92 cs Sinervo 92 cs Yeh 92 cs Abe 91E cs Fuess 91 cs Kuhlmann 91 cs
W^+ Ojet X (1800)	Fahley 94 cor,cs,et Graf 94 cs,et Plunkett 94 cs,et Meschi 93 cs,et	
$W^+ X$ (540 - 630) (1800)	Jakobs 94 const,cs,p,pt Abachi 95I cs Abachi 95Y const,cs,et Abachi 95ZD cs Abachi 95ZE cs,p,pt Abachi 95ZM const,cs,et,p Abe 95C - Abe 95G cs Abe 95H - Abe 95ZE cs Abe 95ZK - Blazey 95 const,et Debarbaro 95 - Frisch 95 - Hoftun 95 cs,p,pt Kim 95 - Kopp 95 cs,pt Yu 95 const,et,p Yu 95B const Abe 94 - Abe 94M - Abe 94S pt Abe 94ZG cs Badgett 94 cs Budd 94 - Ducros 94 cs,p Fahley 94 pt Frisch 94 cs,p Geer 94 cs,et,pt Graf 94 cs Hara 94 cs Jung 94 - Keup 94 - Kim 94 cs	$W'^+ X$ (630) (1800) Alitti 93 cs Abachi 95K cs Abachi 95ZD cs Abachi 95ZN cs Eno 95 cs Harris 95 cs Kopp 95 cs Park 95 cs Abe 94R cs Abe 94Y cs Eppley 94 cs Hara 94 cs Harris 94B cs Maeshima 94 cs Nodulman 94 cs Shochet 94 cs Taketani 94 cs $W'^+ X + Z' X + W'^- X$ (540 - 630) (630) Jakobs 94 cs Alitti 90D cs $W'^- X$ (630) (1800) Alitti 93 cs Abachi 95K cs Abachi 95ZD cs Abachi 95ZN cs Eno 95 cs Harris 95 cs Kopp 95 cs Park 95 cs Abe 94R cs Abe 94Y cs Eppley 94 cs Hara 94 cs
W^+ Ojet X (1800)	Fahley 94 cor,cs,et Graf 94 cs,et Plunkett 94 cs,et Meschi 93 cs,et	
$Z^0 X + W^- X + W^+ X$ (630)	Alitti 90D cs	
$Z^0 X$ (540 - 630) (630)	Jakobs 94 const,cs,p,pt Rolandi 92 cs Alitti 91C cs Alitti 91E cs Alitti 91F cs	

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$\bar{p} p \rightarrow W'^- X$ $\bar{p} p \rightarrow J/\psi(1S) X$

$\bar{p} p$	$\bar{p} p$	$\bar{p} p$
$W'^- X$	$X \bar{q}$	ηX
Harris 94B cs	(1800) Hoftun 95 cs	(1800) Harris 92 cs
Maeshima 94 cs	Abe 94I cs	Harris 91 cs
Nodulman 94 cs	Cobal 93 cs	ρ^0 (neutrals)
Shochet 94 cs	Hu 93 cs	0 Adler 95F cs,p
Taketani 94 cs	Hu 93B cs	$f_2(1270)$ (neutrals)
	Abe 92M cs	0 Adler 95F cs,p
	Borzumati 92 cs	$K^\pm X$
	Laasanen 91 cs	(300 - 1800) Alexopoulos 94 p,pt
$Z' < 2jet > X$	$e^* X + e^{*+} X$	(1800) Odyniec 91B p,pt
(1800) Harris 95B cs	(540 - 630) Jakobs 94 cs	$K^+ X$
$Z' X$	$q^* < \gamma jet > X$	0 Usher 92 -
(630) Alitti 93 cs	(1800) Harris 94 cs,mass	(300 - 1800) Alexopoulos 93B pt
(1800) Abachi 95K cs	$q^* < q gluon > X$	(630) Bocquet 95 pt
Beretvas 95B -	(1800) Harris 95B cs	Bocquet 95B cs,p,pt
Eno 95 cs	$q^* < W^\pm jet > X$	Joyce 91 p
Harris 95 cs	(1800) Harris 94 cs,mass	Cole 91 mult,p,pt
Park 95 cs	$q^* X$	$K^- X$
Abe 94J cs	(540 - 630) Jakobs 94 cs	(300 - 1800) Alexopoulos 93B pt
Abe 94Y cs	(630) Alitti 93 cs	(630) Bocquet 95 pt
Eppley 94 cs	(1800) Harris 95 cs	Bocquet 95B cs,p,pt
Hara 94 cs	Abe 94Y cs	Joyce 91 p
Harris 94B cs	Abe 94ZD cs	Cole 91 mult,p,pt
Maeshima 94 cs	Geer 94 cs	$K_S X$
Nodulman 94 cs	Harris 94B cs	(630) Bocquet 95 pt
Shochet 94 cs	Shochet 94 cs	Bocquet 95B cs,p,pt
Taketani 94 cs	Abe 93ZC cs	
Cdfcollabora 93G cs	Abe 93ZE const,cs	$\phi(1020) X$
Gold 92 cs	Cobal 93 cs	(1800) Alexopoulos 95C cs,mult,p,pt
Maeshima 92 cs	Flaughner 93 cs	Decarlo 92 pt
Sinervo 92 -	Huston 93 cs	Lindsey 91 p,pt
Yeh 92 cs	Kephart 93 cs	$D^+ X$
Abe 91D -	Meschi 93 cs	(1800) Shochet 94 pt
Abe 91H cs	Shaw 93 cs	$D^0 X$
Fuess 91 cs		(1800) Shochet 94 pt
Kuhlmann 91 cs		$\bar{D}^0 X$
lepto-quark X	$\bar{q}^* X$	(1800) Shochet 94 pt
(1800) Shochet 94 cs	(540 - 630) Jakobs 94 cs	$D^- X$
X axigluon $< q \bar{q} >$	(630) Alitti 93 cs	(1800) Shochet 94 pt
(1800) Harris 95B cs	(1800) Harris 95 cs	$D_s^+ X$
X axigluon	Abe 94Y cs	(1800) Shochet 94 pt
(1800) Harris 95 cs	Abe 94Y cs	$D_s^- X$
Abe 94Y cs	Geer 94 cs	(1800) Shochet 94 pt
Harris 94B cs	Huston 93 cs	$h_c(1P) X$
Abe 93ZC cs	Meschi 93 cs	(3.524 - 3.59) Armstrong 92C cs
Incagli 92 cs		Tuan 92 cs
$b X$	monopole X	$J/\psi(1S) X$
(630) Barbarogalti 92 cs,pt	(540 - 630) Jakobs 94 cs	3 - 7 Armstrong 92E -
(1800) Albajar 91 cs,pt	technirho $< q \bar{q} + 2gluon > X$	(3.5 - 3.6) Cester 94 cs
Abe 93J cs	(1800) Harris 95B cs	(3.51 - 3.556) Menichetti 94 cs
Abe 93O pt	technirho X	(3.52 - 3.53) Tuan 92 cs
Abe 93P cs,p,pt	(1800) Harris 95 cs	(630) Albajar 95 ang,p,pt
Abe 93Q cs	Abe 94Y cs	Albajar 90G cs,pt
Mangano 93 cs,pt	Harris 94B cs	Abachi 96 cs,p,pt
Abe 92 cs		Abachi 95ZB cs,p,pt
Abe 92G pt	$\pi^\pm X$	Abachi 95ZL cs,p,pt
Barbarogalti 92 cs,pt	200 Yokosawa 92 asym,p	Abe 95T cs,p,pt
Boswell 92 cs	(300 - 1800) Alexopoulos 94 p,pt	Bauer 95 cs,p,pt
Fuess 92 cs	(1800) Odyniec 91B p,pt	Bazizi 95 cs,p,pt
Huffman 92 pt	$\pi^+ X$	Derwent 95 cs,p,pt
Papadimitrio 92 pt	22.4 Boos 94 p,pt	Markosky 95 p,pt
Yeh 92 cs,pt	(300 - 1800) Alexopoulos 93B pt	Papadimitrio 95 cs,p,pt
$\bar{b} X$	(630) Bocquet 95B cs,p,pt	Sansoni 95 cs,p,pt
(1800) Abe 93P cs,p,pt	Joyce 91 p	Barker 94 p,pt
$t X$	(1800) Cole 91 mult,p,pt	Bazizi 94 p,pt
(630) Felcini 91 cs	$\pi^0 X$	Byrum 94 pt
diquark $< \bar{d} \bar{u} + d u > X$	200 Adams 94C asym,p,pt	Cdfcollabora 94F cs,p,pt
(1800) Harris 95B cs	Yokosawa 92 asym,p	Daniels 94 cs,pt
diquark X	Adams 91B asym	Hedin 94 p,pt
(1800) Harris 95 cs	Adams 91C asym,cs	Kim 94 cs
Abe 94Y cs	Adams 91D asym	Mueller 94 cs
gluino X	Nurushev 91 asym,p,pt	Shochet 94 pt
(1800) Hoftun 95 cs	Yokosawa 91 asym,p	Abe 93ZG -
Abe 94I cs	Raha 91 pt	Denisov 93 p,pt
Shochet 94 cs	Harris 92 cs	
Cobal 93 cs	Harris 91 cs	
Hu 93 cs	$\pi^- X$	
Hu 93B cs	22.4 Boos 94 p,pt	
Abe 92M cs	(300 - 1800) Alexopoulos 93B pt	
Borzumati 92 cs	(630) Bocquet 95B cs,p,pt	
Laasanen 91 cs	Joyce 91 p	
	(1800) Cole 91 mult,p,pt	

$\bar{p} p \rightarrow J/\psi(1S) X$

$\bar{p} p \rightarrow \bar{B}^0 X$

$\bar{p} p$	$\bar{p} p$	$\bar{p} p$
$J/\psi(1S) X$	bottom X	$B^0 X$
Lebrun 93 angp,p	Shaw 93 -	Abe 95M -
Mangano 93 cs,pt	Skarha 93 -	Abe 95N -
Papadimitrio 93B cs,pt	Trippe 93 pt	Abe 95P -
Papadimitrio 93C cs,pt	Wenzel 93 -	Abe 95R -
Pordes 93 cs	Sansoni 91 cs	Abe 95ZB -
Trippe 93 pt	Wenzel 91 cs,pt	Abe 95ZC -
Zhu 93 -		Abe 95ZI -
Zylberstejn 93 p,pt	bottom X	Anwaywiese 95 -
Abe 92G pt	(1800)	Derwent 95 -
Dellagnello 92 p,pt	Abachi 94C cs,p,pt	Papadimitrio 95 cs,pt
Fuess 92 cs,pt	Bazizi 94 cs,pt	Ragan 95 -
Papadimitrio 92 cs,pt	Byrum 94 cs,pt	Skarha 95 -
Sansoni 91 -	Daniels 94 cs,pt	Ukegawa 95 -
Wenzel 91 -	Hedin 94 p,pt	Abe 94D -
	Huehn 94 cs,pt	Abe 94ZF cs,p,pt
$\chi_{c1}(1P) X$	$B^\pm X$	Bailey 94 cs,pt
(1800)	(1800)	Byrum 94 cs,pt
Abe 95T cs,p,pt	$B X$	Cdfcollabora 94E cs,pt
Bauer 95 cs	(630)	Dejongh 94 -
Derwent 95 cs,pt	(1800)	Garbincius 94 p,pt
Papadimitrio 95 cs	Shaw 93 -	Hara 94 cs
Sansoni 95 cs	Wenzel 91 -	Karen 94 pt
Pordes 93 cs		Lewis 94 pt
$\chi_{c2}(1P) X$		Lewis 94B cs,pt
(1800)		Mueller 94 cs,pt
Abe 95T cs,p,pt		Plunkett 94 cs,pt
Bauer 95 cs		Shochet 94 cs,pt
Derwent 95 cs,pt		Abe 93Y -
Papadimitrio 95 cs		Abe 93ZG -
Sansoni 95 cs		Crane 93 cs,pt
Pordes 93 cs		Huffman 93 cs,pt
$\psi(2S) X$		Lebrun 93 cs
3 - 7		Papadimitrio 93 cs,pt
(630)		Papadimitrio 93B cs,pt
(1800)		Papadimitrio 93C cs,pt
Armstrong 92E -	$B^+ X$	Schneider 93 -
Albajar 90G cs	(1800)	Shaw 93 -
Bauer 95 cs,p,pt	Abe 96D -	Skarha 93 -
Derwent 95 cs,pt	Abe 96E -	Wenzel 93 -
Papadimitrio 95 cs,p,pt	Abe 95E p,pt	Vejcik 92 cs
Sansoni 95 cs,p,pt	Abe 95N -	Wenzel 91 -
Byrum 94 pt	Abe 95O -	
Cdfcollabora 94F cs,p,pt	Abe 95P -	$\bar{B} X$
Daniels 94 cs,pt	Abe 95X cs	(1800)
Mueller 94 cs	Abe 95ZI -	Abachi 96 cs,p,pt
Shochet 94 pt	Anwaywiese 95 -	Abachi 95P p,pt
Abe 93ZG -	Derwent 95 -	Abachi 95ZB cs,p,pt
Mangano 93 cs,pt	Papadimitrio 95 cs,pt	Bauer 95 -
Papadimitrio 93B cs,pt	Ragan 95 -	Bazizi 95 p,pt
Papadimitrio 93C cs,pt	Skarha 95 -	Derwent 95 p,pt
Pordes 93 cs	Ukegawa 95 -	Markosky 95 cs,et,p
Abe 92G pt	Abe 94D -	Barker 94 cs,p,pt
Fuess 92 cs,pt	Anwaywiese 94 p,pt	Cdfcollabora 94F cs,p,pt
Papadimitrio 92 cs,pt	Bailey 94 cs,pt	Garbincius 94 p,pt
$\psi(3770) X$	Byrum 94 cs,pt	Dellagnello 92 -
(1800)	Cdfcollabora 94E cs,pt	
$\chi_c(\text{unspec}) X$	Dejongh 94 -	$\bar{B}^0 X$
(1800)	Garbincius 94 p,pt	(1800)
Abachi 96 cs,p,pt	Hara 94 cs	Abe 96D -
Abachi 95ZB cs	Lewis 94 pt	Abe 96E -
Bazizi 95 cs	Lewis 94B cs,pt	Abe 95E p,pt
Derwent 95 cs	Mueller 94 cs,pt	Abe 95M -
Markosky 95 cs	Plunkett 94 cs,pt	Abe 95N -
Hedin 94 cs	Shochet 94 cs,pt	Abe 95P -
Mueller 94 cs	Abe 93J pt	Abe 95R -
Abe 93Q cs	Abe 93Y -	Abe 95ZB -
Mangano 93 cs	Abe 93ZG -	Abe 95ZC -
Papadimitrio 93B cs,pt	Crane 93 cs,pt	Abe 95ZI -
Papadimitrio 93C cs,pt	Huffman 93 cs,pt	Anwaywiese 95 -
Boswell 92 cs	Lebrun 93 cs	Derwent 95 -
$\chi_c(\text{unspec}) < J/\psi(1S) \gamma > X$	Papadimitrio 93 cs,pt	Papadimitrio 95 cs,pt
(1800)	Papadimitrio 93B cs,pt	Ragan 95 -
bottom X	Papadimitrio 93C cs,pt	Skarha 95 -
(630)	Schneider 93 -	Ukegawa 95 -
	Skarha 93 -	Abe 94ZF cs,p,pt
(1800)	Wenzel 93 -	Byrum 94 cs,pt
Albajar 93B cs,pt	Barbarogalti 92 cs,pt	Dejongh 94 -
Barbarogalti 92 cs,pt	Yeh 92 cs	Garbincius 94 p,pt
Albajar 91 cs,pt		Dellagnello 92 -
Abachi 94C cs,p,pt	$B^0 X$	
Bazizi 94 cs,pt	(630)	Abe 96D -
Byrum 94 cs,pt	(1800)	Abe 96E -
Daniels 94 cs,pt	Barbarogalti 92 -	Abe 96E -
Hedin 94 p,pt	Albajar 91B -	Abe 96D -
Huehn 94 cs,pt	Abe 96D -	Abe 96E -
Skarha 94 -	Abe 96E -	Abe 95E p,pt
Abe 93N -	Abe 95E p,pt	
Schneider 93 -		

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$\bar{p} p \rightarrow \bar{B}^0 X$ $\bar{p} p \rightarrow e^- \bar{\nu}_e X$

$\bar{p} p$	$\bar{p} p$	$\bar{p} p$	$\bar{p} p$	$\bar{p} p$
$\bar{B}^0 X$		$\Upsilon(1S) X$	ΛX	
	Papadimitrio 93B cs,pt		(1800)	Bocquet 95B cs,p,pt
	Papadimitrio 93C cs,pt			Alexopoulos 92 cs
$B^- X$				Odyniec 91B p,pt
(1800)	Abe 96D -		$\bar{\Lambda} X$	
	Abe 96E -		(630)	Bocquet 95 pt
	Abe 95E p,pt			Bocquet 95B cs,p,pt
	Abe 95N -		(1800)	Alexopoulos 92 cs
	Abe 95O -		$-\Sigma^0 X$	
	Abe 95P -		(1800)	Alexopoulos 92 cs
	Abe 95X cs		$\bar{\Sigma}^0 X$	
	Abe 95ZI -	$\Upsilon(2S) X$	(1800)	Alexopoulos 92 cs
	Anwaywiese 95 -	(1800)		
	Derwent 95 -		$\Xi^0 X + \Xi^- X + \Xi^+ X + \Xi^0 X$	
	Papadimitrio 95 cs,pt		(1800)	Alexopoulos 92 cs
	Ragan 95 -		$\Xi^0 X$	
	Skarha 95 -		(1800)	Alexopoulos 92 cs
	Ukegawa 95 -		$\Xi^- X + \Xi^+ X$	
	Anwaywiese 94 p,pt		(1800)	Alexopoulos 92 pt
	Byrum 94 cs,pt		$\Xi^- X$	
	Dejongh 94 -	$\Upsilon(3S) X$	(1800)	Alexopoulos 92 cs
	Garbincius 94 p,pt	(1800)		
	Hara 94 cs		$\Xi^+ X$	
	Lecompte 94 cs,pt		(1800)	Alexopoulos 92 cs
	Lewis 94 pt		$\Xi^0 X$	
	Lewis 94B cs,pt		(1800)	Alexopoulos 92 cs
	Plunkett 94 cs,pt		$\Lambda_b X$	
	Shochet 94 cs,pt		(1800)	Abe 92E -
	Crane 93 cs,pt			Gauthier 92 cs
	Huffman 93 cs,pt	$\Upsilon(\text{unspec}) X$		Maeshima 92 cs
	Papadimitrio 93B cs,pt	(1800)		
	Papadimitrio 93C cs,pt		$e^\pm \text{mult[jet]} X$	
	Abe 92 cs		(1800)	Bhat 93 mult
	Yeh 92 cs			Diehl 93 cs
$B(\text{unspec}) X$			$e^\pm \text{neutral} X$	
(630)	Albajar 91B -	$\text{top} X$	(630)	Unal 91 et,mass
$B_s X$		(1800)		
(1800)	Abe 96D -	$p X + \bar{p} X$		
	Abe 95M -	(1800)	Alexopoulos 92 cs	
	Abe 95P -	$p X$		
	Abe 95R -	(630)	Bocquet 95B cs,p,pt	
	Abe 95ZB -		Joyce 91 p	
	Abe 95ZC -	$p X < p \text{ exotic} >$		
	Derwent 95 -	(1800)	Giokaris 91 cs	
	Ragan 95 -	$DD < X > p$		
	Skarha 95 -	(1800)	Rubinstein 93	
	Abe 94X -	$DD < p > X$		
	Cdfcollabora 94B -	(546 - 1800)	Belforte 93B	
	Lecompte 94 cs,pt		angp,cs,mass	
	Lewis 94 pt	$\bar{p} X$		
	Lewis 94B cs,pt	(300 - 1800)	Alexopoulos 94 p,pt	
	Shochet 94 cs,pt	(546 - 1800)	Alexopoulos 93B pt	
	Abe 93Y -	(630)	Abe 93T angp,cs,p	
	Lebrun 93 cs		Belforte 93 angp,cs,p	
	Pierre 93 -		Bocquet 95B cs,p,pt	
	Shaw 93 -		Joyce 91 p	
	Skarha 93 -		Amos 92B	
	Wenzel 93 -		angp,cs,mass,p	
$\bar{B}_s X$			Cole 91 mult,p,pt	
(1800)	Abe 96D -	$DD < X > \bar{p}$	Odyniec 91B p,pt	
	Abe 95M -	(546 - 1800)		
	Abe 95P -		Abe 93S cs	
	Abe 95R -		Abe 93T cs	
	Abe 95ZB -		Belforte 93 cs	
	Abe 95ZC -		Rubinstein 93	
	Derwent 95 -		angp,cs,p	
	Ragan 95 -	$DD < \bar{p} > X$		
	Skarha 95 -	(546 - 1800)	Belforte 93B	
	Abe 94X -		angp,cs,mass	
	Cdfcollabora 94B -			
	Lewis 94B cs,pt	$\Lambda X + \bar{\Lambda} X$		
	Shochet 94 cs,pt	(1800)	Alexopoulos 92 pt	
	Pierre 93 -	$\Lambda X + \bar{\Lambda} X + \Sigma^0 X + \bar{\Sigma}^0 X$		
$B_c^+ X$		(1800)	Alexopoulos 92 cs	
(1800)	Abe 95X cs	ΛX	(630)	Bocquet 95 pt
	Papadimitrio 95 cs			
$B_c^- X$				
(1800)	Abe 95X cs			
	Papadimitrio 95 cs			
$\Upsilon(1S) X$				
(1800)	Abe 95W cs,p,pt			

$\bar{p} p \rightarrow e^+ \nu_e X$ $\bar{p} p \rightarrow \mu^- \mu^+ X$

$\bar{p} p$		$\bar{p} p$		$\bar{p} p$	
$e^+ \nu_e X$ (1800)	Abe 95G et,mass,pt Abe 95H et,p,pt Abe 94 p Badgett 94 et,p,pt Ducros 94 et,pt Kim 94 et,p Shochet 94 et,pt	$\mu^- \text{jet} X$	Chakraborty 94 Gerdes 94 cs,et,p,pt Hedin 94 ang,cor,et Hedin 94 ang,mass,p,pt Huehn 94 cs,et,pt Jensen 94 cs Kephart 93 p,pt Maciel 93 p,pt	$\mu^+ e^- X$	Bazizi 94 ang,cor,pt Oshima 94 et,mass,p,pt Abe 93ZJ cs Huffman 93 Papadimitrio 93C ang,mass,p,pt Shaw 93 pt Barbarogalti 92 cs Yeh 92 ang,p,pt Abe 91G col,mass,pt Abe 91K pt Liss 91 pt
$e^- e^+ X$ 3-7 (3-3.6) (3.52-3.53) (630)	Gollwitzer 94 cs,mass Ray 92 mass Tuan 92 mass Alitti 91H cs,mass Unal 91 et,mass Abe 95G et,mass,pt Debarbaro 95 mass,p,pt Harris 95 mass Park 95 col,et,mass Abe 94 mass Abe 94J mass Badgett 94 et,p,pt Bazizi 94 mass Ducros 94 et,mass,pt Eppley 94 et,mass,p Frisch 94 et,mass,p Graf 94 et,mass,p Hara 94 mass,p Maeshima 94 mass,pt Nodulman 94 et,mass,p	$\mu^+ \text{jet} X$ (1800)	Abachi 95P p,pt Bazizi 95 cor,et,p,pt Derwent 95 cor,et,p Markosky 95 cor,p,pt Abe 94ZD et,mass,p Antos 94 cs Byrum 94 cor,p,pt Chakraborty 94 Gerdes 94 cs,et,p,pt Hedin 94 ang,cor,et Hedin 94 ang,mass,p,pt Huehn 94 cs,et,pt Jensen 94 cs Maciel 93 p,pt	$\mu^+ e^+ X$ (1800)	Abe 94Q ang,cor,mass,p,pt Bazizi 94 ang,cor,pt Papadimitrio 93C pt Yeh 92 cs
(1800)	Harris 95 mass Park 95 col,et,mass Abe 94 mass Abe 94J mass Badgett 94 et,p,pt Bazizi 94 mass Ducros 94 et,mass,pt Eppley 94 et,mass,p Frisch 94 et,mass,p Graf 94 et,mass,p Hara 94 mass,p Maeshima 94 mass,pt Nodulman 94 et,mass,p	$\mu^- \gamma X$ (1800)	Blair 95 ang,et,p,pt Kuhlmann 94B p,pt	$2\mu^\pm X$ (1800)	Kuhlmann 91 pt
	Oshima 94 et,mass,p,pt	$\mu^+ \gamma X$ (1800)	Blair 95 ang,et,p,pt Kuhlmann 94B p,pt	$2\mu^- X$ (630)	Albajar 93B pt Barbarogalti 92 pt Albajar 91C pt Abe 95U ang,mass,p,pt Abe 95Y mass,p,pt Hara 94 p,pt Lebrun 93 mass,pt Barbarogalti 92 cs,pt Abe 91N cs,pt
	Quintas 94 cs,et,mass,p,pt Shochet 94 et,pt Abe 93ZJ cs Cdfcollabora 93F mass,p,pt Cdfcollabora 93G mass,p,pt Dickson 93 mass Diehl 93 mass Lidemarteanu 93 et,mass	$\mu^\pm \nu X$ (1800)	Gold 92 pt Leone 92 pt	$\mu^- \bar{\nu}_\mu X$ (1800)	Abe 95H et,p,pt Abe 94 p Badgett 94 et,p,pt Ducros 94 et,pt Kim 94 et,p Shochet 94 et,pt
	Shaw 93 cs Zhu 93 et,mass	$\mu^\pm e^\pm X$ (1800)	Barbarogalti 91 pt Campagnari 91 ang,et Kuhlmann 91 pt Sansoni 91 -	$\mu^+ \nu_\mu X$ (1800)	Abe 95H et,p,pt Abe 94 p Badgett 94 et,p,pt Ducros 94 et,pt Kim 94 et,p Shochet 94 et,pt
	Barbarogalti 92 ang,p,pt	$\mu^- e^- X$ (1800)	Abe 94Q ang,cor,mass,p,pt Bazizi 94 ang,cor,pt Papadimitrio 93C pt Yeh 92 cs	$\mu^- \mu^+ X$ (630)	Albajar 95 ang,p,pt Albajar 93B pt Barbarogalti 92 pt Albajar 91C pt Abachi 95J mass,p,pt Abachi 95ZL mass,p,pt Abe 95M mass,pt Abe 95U ang,mass,p,pt Abe 95W mass,p,pt Abe 95Y mass,p,pt Bauer 95 mass,p,pt Bazizi 95 mass,p,pt Debarbaro 95 mass,p,pt
	Gold 92 mass Madaras 92 ang,et Maeshima 92 mass Raja 92 et,mass,pt Sinervo 92 mass Yeh 92 cs Abe 91D mass Abe 91G col,mass,pt Abe 91K pt Abe 91N cs,pt Barbarogalti 91 ang,et Campagnari 91 ang,et Fuess 91 mass,pt Kuhlmann 91 pt Liss 91 pt Song 91 p,pt	$\mu^- e^- X + \mu^+ e^+ X$ (1800)	Barbarogalti 92 cs,pt Abe 91N cs,pt Song 91 p,pt Wenzel 91 mass	$\mu^+ \mu^- X$ (1800)	Derwent 95 mass,p,pt Papadimitrio 95B mass,p,pt Park 95 col,et,mass Sansoni 95 mass,p,pt Abe 94 mass Badgett 94 et,p,pt Barker 94 p,pt Bazizi 94 mass Byrum 94 mass,p,pt Cdfcollabora 94F mass,p,pt
	Madaras 92 ang,et Maeshima 92 mass Raja 92 et,mass,pt Sinervo 92 mass Yeh 92 cs Abe 91D mass Abe 91G col,mass,pt Abe 91K pt Abe 91N cs,pt Barbarogalti 91 ang,et Campagnari 91 ang,et Fuess 91 mass,pt Kuhlmann 91 pt Liss 91 pt Song 91 p,pt	$\mu^- e^+ X + \mu^+ e^- X$ (1800)	Lidemarteanu 93 et,mass,pt Barbarogalti 92 cs,pt Madaras 92 ang,et Raja 92 et,mass,pt Abe 91N cs,pt Song 91 p,pt Wenzel 91 mass		Daniels 94 mass,p,pt Ducros 94 et,mass,pt Graf 94 et,mass,p Hara 94 mass,p Hedin 94 ang,mass,p,pt Huehn 94 cs,pt
	Shaw 93 cs Zhu 93 et,mass	$\mu^- e^+ X$ (1800)	Abe 94Q ang,cor,mass,p,pt Bazizi 94 ang,cor,pt Oshima 94 et,mass,p,pt		
	Barbarogalti 92 ang,p,pt		Abe 93ZJ cs Huffman 93 Papadimitrio 93C ang,mass,p,pt Shaw 93 pt Barbarogalti 92 cs		
$2e^+ X$ (1800)	Hara 94 p,pt Barbarogalti 92 cs,pt Yeh 92 cs Abe 91N cs,pt		Yeh 92 ang,p,pt Abe 91G col,mass,pt Abe 91K pt Liss 91 pt		
$\mu^\pm \text{jet} X$ (1800)	Derwent 94 col Bazizi 93 ang,pt	$\mu^+ e^- X$ (1800)	Abe 94Q ang,cor,mass,p,pt		
$\mu^- \text{jet} X$ (1800)	Abachi 95P p,pt Abe 95Q ang,cs,et,pt Bazizi 95 cor,et,p,pt Derwent 95 cor,et,p Markosky 95 cor,p,pt Abe 94ZD et,mass,p Antos 94 cs Byrum 94 cor,p,pt				

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$\bar{p} p \rightarrow \mu^- \mu^+ X$ $\bar{p} p \rightarrow W^\pm \text{ mult[charged]} X$

$\bar{p} p$	$\bar{p} p$	$\bar{p} p$
$\mu^- \mu^+ X$	$D_s^+ e^- X$ (1800) Abe 94X mass,p,pt	2jet X
Kim 94 mass	$D_s^- e^+ X$ (1800) Abe 94X mass,p,pt	Abe 93C mass
Papadimitrio 94 mass,pt	$D_s^- \mu^- X$ (1800) Abe 94X mass,p,pt	Abe 93H et
Quintas 94 cs,et,mass,p,pt	$D_s^- \mu^+ X$ (1800) Abe 94X mass,p,pt	Abe 93K ang
Shochet 94 et,pt	$J/\psi(1S) \mu^- X$ (1800) Hedin 94 cor,p,pt	Abe 93ZC mass
Yu 94B cs,pt	$J/\psi(1S) \mu^+ X$ (1800) Hedin 94 cor,p,pt	Blazey 93 ang,p
Abe 93N mass,pt	annihil mult[charged-meson] (neutrals) 0.0651 - 0.0725 Agnello 91 mult	Borcherding 93 cor,et,p
Abe 93W mass	charged (charged) X (300 - 1800) Alexopoulos 94C mult,pt	Diehl 93 ang
Abe 93ZG mass	(630) Bocquet 94 cor,mult,pt	Huston 93 cor,et,p
Abe 93ZJ cs	(1800) Rimondi 94 col,mult,pt	Maas 93 ang
Denisov 93 mass,p,pt	Yu 94 et,p,pt	Streets 93 cor,p
Dickson 93 mass	charged mult[charged] X (630) Bocquet 95C cor,mult,p,pt	Zanetti 93 mass
Lebrun 93 mass,pt	(1800) Decarlo 94 cor	Zylberstejn 93 .
Lukens 93 mass	charged neutral X (1800) Goulios 94 mult	angp,et,mass,p
Papadimitrio 93B mass	2charged X (1800) Rimondi 94 cor,p	Abe 92D ang,mass
Papadimitrio 93C mass	2charged ⁺ X (630) Neumeister 93 cor	Flaughner 92 mass
Pordes 93 mass	charged ⁺ charged ⁻ X (630) Neumeister 93 cor	Flaughner 92B ang,mass
Schneider 93 mass,pt	2charged ⁻ X (630) Neumeister 93 cor	Harris 92 ang,mass
Shaw 93 cs	(jets) jet X (1800) Streets 95 et,p,pt	Incagli 92 mass
Skarha 93 mass,pt	neutral jet X (1800) Claes 94 et	Sinervo 92 ang,mass
Trippe 93 mass,pt	2jet X (630) Bocquet 94 ang,et	Buckleygeer 91 mass
Wenzel 93 mass,pt	Alitti 93 angp,mass	Flaughner 91 ang,mass
Zylberstejn 93 mass,p,pt	Brandt 92B angp,mass,p,pt	Giannetti 91 mass
Abe 92 mass	Brandt 91 ang,angp,mass,p,pt	Wainer 91 mass
Barbarogalti 92 cs,pt	Alitti 90D angp,mass	hadron (hadrons) X (1800) Abachi 95S col,et,p,pt
Gold 92 mass	Abachi 95ZC cor,p	Fahley 94 col,et,p
Maeshima 92 mass	Abe 95D angp,et,mass,p,pt	Weerts 94 col,p,pt
Sinervo 92 mass	Blazey 95 ang,cor,et,p	Huston 93 et
Abe 91G col,mass,pt	Buckleygeer 95 mass	Piekarz 93B et,p
Abe 91K pt	Harris 95 angp,et,mass,p	longlived ⁺ longlived ⁻ X (1800) Abe 92J cs
Abe 91N cs,pt	Heuring 95 angp,cor,p	γ neutral X (1800) Abe 94I et
Barbarogalti 91 ang,et	Lamoureux 95 angp,cor,p,pt	γ jet X (630) Alitti 92C angp,p
Campagnari 91 ang,et	Melese 95 cor,et,p	(1800) Abachi 95T ang,cor,et,p,pt
Fuess 91 mass,pt	Abachi 94 cor,et,p	Lamoureux 95 ang,cor,mass,p,pt
Liss 91 pt	Abe 94L cor,et	Abe 94L cor,et
Wenzel 91 mass	Abe 94Y angp,et,mass,p	Abe 94ZD et,mass,p
$2\mu^+ X$ (630) Albajar 93B pt	Bhatti 94 et,p	Geer 94 angp,et,mass,pt
(1800) Barbarogalti 92 pt	Fahley 94 col,et,p	Hawk 94 ang,et,p
Albajar 91C pt	Geer 94 angp,mass	Plunkett 94 p,pt
Abe 95U ang,mass,p,pt	Harris 94B mass,p	Abe 93F pt
Abe 95Y mass,p,pt	Kovacs 94B cor,et,p	Abe 93ZE mass
Hara 94 p,pt	Plunkett 94 et,p	Cobal 93 mass
Lebrun 93 mass,pt	Weerts 94 ang,cor,p	Flaughner 93 mass,p
Barbarogalti 92 cs,pt	Yu 94 ang,cor,et,mass,p	Huston 93 mass,p
Abe 91N cs,pt		Kephart 93 mass,p,pt
$e^- \text{ heavy-}\nu X$ (1800) Abachi 95X const,cs		Maas 93 ang
$e^+ \text{ heavy-}\nu X$ (1800) Abachi 95X const,cs		Meschi 93 mass,p
$\mu^- \text{ heavy-}\nu X$ (1800) Abachi 95X const,cs		Flaughner 92 ang
$\mu^+ \text{ heavy-}\nu X$ (1800) Abachi 95X const,cs		Flaughner 92B ang
$\tau^- \text{ heavy-}\nu X$ (1800) Abachi 95X const,cs		Grassmann 92 ang
$\tau^+ \text{ heavy-}\nu X$ (1800) Abachi 95X const,cs		Harris 92 ang
$e^\pm \bar{b} X + e^\pm b X$ (1800) Abachi 93 cs		Abe 91I cs
$\mu^- b < \text{jet} > X$ (1800) Abe 95Q ang,cs,et,pt		Harris 91 ang
$D^0 e^- X$ (1800) Abe 93O cs		2 γ X (100) Harris 91 pt
$D^0 \mu^- X$ (1800) Byrum 94 mass,pt		(540 - 630) Jakobs 94 ang,et,mass,p
$\bar{D}^0 \mu^+ X$ (1800) Byrum 94 mass,pt		(630) Alitti 92B pt
$D^*(2010)^+ \mu^- X$ (1800) Byrum 94 mass,pt		(1800) Abachi 95N mass,p,pt
$D^*(2010)^- \mu^+ X$ (1800) Byrum 94 mass,pt		Blair 95 et,mass,pt
		Abe 94H mass
		Blair 94 et,mass
		Harris 94 mass
		Plunkett 94 mass
		Yu 94 mass
		Abe 92B mass
		Abe 92K ang,pt
		Flaughner 92B pt
		Harris 92 mass
		Harris 92B pt
		Laasanen 91 pt
		$W^\pm \text{ mult[charged]} X$ (1800) Rimondi 92B mult

$\bar{p} p \rightarrow \bar{t} t X$ $\bar{p} p \rightarrow K^*(892)^- J/\psi(1S) X$

$\bar{p} p$	$\bar{p} p$	$\bar{p} p$
$\bar{t} t X$	$X \bar{q} \bar{q}$	$D^*(2010)^+ \gamma X$
Abe 94B cs	(540 - 630) Jakobs 94 cs	Kuhlmann 94B cs,p,pt
Abe 94E cs	(1800) Abachi 95F const,cs	$D^*(2010)^- \gamma X$
Abe 94ZE cs	Abachi 95L const,cs	(1800) Blair 95 et,pt
Konigsberg 94 cs	Abe 95ZH cs	Kuhlmann 94B cs,p,pt
Leone 94 cs	Eno 95 const,cs	$J/\psi(1S) \text{ hadron } X$
Sphicas 94 cs	Hagopian 94 cs	(630) Albajar 90G ang
Abachi 93 cs	$\bar{t} \bar{t} X$	$J/\psi(1S) \gamma X$
Abe 93ZJ cs	(1800) Abachi 95ZP cs	(1800) Markosky 95 mass,p,pt
Benloch 93 cs	$\pi^+ \gamma X$	$J/\psi(1S) \pi^+ X$
Bhat 93 cs	(1800) Abe 95ZK mass	(1800) Abe 95O mass
Cobal 93 cs	$\pi^- \gamma X$	Abe 95X mass,p,pt
Diehl 93 cs	(1800) Abe 95ZK mass	$J/\psi(1S) \pi^- X$
Fatyga 93 cs	$2\pi X$	(1800) Abe 95O mass
Greenlee 93 cs	(630 - 900) Neumeister 91 p,pt	Abe 95X mass,p,pt
Lidemarteanu 93 cs	$2\pi^\pm X$	$K^+ J/\psi(1S) X$
Narain 93 cs	(630) Lipa 91 angp,cor	(1800) Abe 95E mass,p,pt
Shaw 93 cs	$2\pi^+ X$	Abe 95O mass
Madaras 92 -	0 Adler 94 angp,cor	Abe 95P mass,p
Yeh 92 cs	(1800) Alexopoulos 94 angp,cor	Abe 95X mass,p,pt
Abe 91G cs	Alexopoulos 92B cor,pt	Abe 94D mass
Abe 91K -	$2\pi^+ X + 2\pi^- X$	Anwaywiese 94 mass
Barbarogalti 91 cs	(630) Lipa 91 angp,cor	Hara 94 mass,p
Campagnari 91 cs	(1800) Lindsey 91 angp,cor,p,pt	Lewis 94 mass
Contreras 91 cs	$\pi^0 \pi^\pm X$	Plunkett 94 mass,p
Liss 91 cs	(1800) Abe 94H mass	Abe 93Y mass
Sliwa 91 cs	$\pi^+ \pi^- X$	Lebrun 93 mass
Abe 90I cs	0 Adamo 92B mass	Lukens 93 mass
γ neutralino X	0.4 - 0.67 Fukuhisa 92 mass	Papadimitrio 93B mass
(1800) Abe 94I cs	(630) Lipa 91 angp,cor	Papadimitrio 93C mass
chargino neutralino X	(1800) Alexopoulos 92B cor,pt	$K^- J/\psi(1S) X$
(1800) White 94 cs	$2\pi^- X$	(1800) Abe 95E mass,p,pt
Wolinski 94 cs	0 Adler 94 angp,cor	Abe 95O mass
chargino ⁺ neutralino X	(1800) Alexopoulos 94 angp,cor	Abe 95P mass,p
(1800) Abe 96C cs	$\pi^+ \pi^-$ (neutrals)	Abe 95X mass,p,pt
Kamon 94 cs	0 Adler 95F mass	Anwaywiese 94 mass
Abe 93ZH cs	0 Bocquet 95 cor,p,pt	Hara 94 mass,p
Cobal 93 cs	(630) Bocquet 95 cor,p,pt	Lewis 94 mass
chargino ⁻ neutralino X	(630) Bocquet 95 cor,p,pt	Plunkett 94 mass,p
(1800) Abe 96C cs	$K_S \text{ mult[charged-hadron]} X$	Lukens 93 mass
Kamon 94 cs	(630) Bocquet 95 cor,p,pt	Papadimitrio 93B mass
Abe 93ZH cs	$K^+ \pi^- X$	Papadimitrio 93C mass
Cobal 93 cs	0.4 - 0.67 Fukuhisa 92 mass	$K_S J/\psi(1S) X$
wino ⁻ wino ⁺ X	(1800) Fukuhisa 92 mass	(1800) Abe 94D mass
(1800) Eno 95 cs	$K^- \pi^+ X$	Lewis 94 mass
zino wino ⁺ X	0.4 - 0.67 Fukuhisa 92 mass	Lukens 93 mass
(1800) Abachi 95ZO cs	$K^+ K^- X$	$K^*(892)^+ J/\psi(1S) X$
Eno 95 cs	0 Gastaldi 91 mass	(1800) Abe 94D mass
Blessing 94 cs	0.4 - 0.67 Fukuhisa 92 mass	Lewis 94 mass
zino wino ⁻ X	$\phi(1020) \text{ mult[charged]} X$	$K^*(892)^0 J/\psi(1S) X$
(1800) Abachi 95ZO cs	(1800) Decarlo 92 pt	(1800) Abe 95E mass,p,pt
Eno 95 cs	$\phi(1020) \text{ mult[charged]} \text{ (neutrals)}$	Abe 95P mass,p
Blessing 94 cs	(1800) Lindsey 91 mult,pt	Abe 95ZB ang,mass
2gluino X	$\phi(1020) \pi^+ X$	Abe 95ZC mass
(540 - 630) Jakobs 94 cs	(1800) Lecompte 94 mass	Abe 94D mass
(1800) Abachi 95F const,cs	$\phi(1020) \pi^- X$	Abe 94ZF mass
Abachi 95L const,cs	(1800) Mueller 94 mass,pt	Hara 94 mass,p
Abe 95ZH cs	$\gamma \text{ charm } X$	Lewis 94 mass
Eno 95 const,cs	(1800) Blair 95 et,pt	Plunkett 94 mass,p
Hagopian 94 cs	(1800) Hamilton 94 cs,pt	Abe 93Y mass
$b H^+ X$	$\gamma \text{ charm } X$	Lebrun 93 mass
(1800) Abe 94E mass	(1800) Kuhlmann 94B cs,p,pt	Lukens 93 mass
$\bar{b} H^- X$	$\bar{K}^*(892)^0 J/\psi(1S) X$	Papadimitrio 93B mass
(1800) Abe 94E mass	(1800) Blair 95 et,pt	Papadimitrio 93C mass
$\tilde{e}^- \tilde{e}^+ X$	$D^*(2010)^+ \gamma X$	$\bar{K}^*(892)^0 J/\psi(1S) X$
(540 - 630) Jakobs 94 cs	(1800) Blair 95 et,pt	(1800) Abe 95E mass,p,pt
gluino X \bar{q}	(1800) Kuhlmann 94B cs,p,pt	Abe 95P mass,p
(540 - 630) Jakobs 94 cs	$\gamma \text{ charm } X$	Abe 95ZB ang,mass
(1800) Abachi 95F const,cs	(1800) Blair 95 et,pt	Abe 95ZC mass
Abachi 95L const,cs	(1800) Kuhlmann 94B cs,p,pt	Abe 94D mass
Abe 95ZH cs	$D^*(2010)^+ \gamma X$	Abe 94ZF mass
Eno 95 const,cs	(1800) Blair 95 et,pt	Hara 94 mass,p
gluino X \bar{q}	(1800) Kuhlmann 94B cs,p,pt	Lewis 94 mass
(540 - 630) Jakobs 94 cs	$D^*(2010)^+ \gamma X$	Plunkett 94 mass,p
(1800) Abachi 95F const,cs	(1800) Blair 95 et,pt	Papadimitrio 93B mass
Abachi 95L const,cs	(1800) Kuhlmann 94B cs,p,pt	Papadimitrio 93C mass
Abe 95ZH cs	$K^*(892)^- J/\psi(1S) X$	$K^*(892)^- J/\psi(1S) X$
Eno 95 const,cs	(1800) Blair 95 et,pt	(1800) Lewis 94 mass

$\bar{p} p \rightarrow J/\psi(1S) \phi(1020) X$

$\bar{p} p \rightarrow e^- \text{hadron (hadrons)} X$

$\bar{p} p$	$\bar{p} p$	$\bar{p} p$	
$J/\psi(1S) \phi(1020) X$ (1800)	Abe 95P mass,p Abe 95ZB ang,mass Abe 95ZC mass Abe 94X mass,p,pt Cdfcollabora 94B mass,pt Hara 94 mass,p Lewis 94 mass Mueller 94 mass Plunkett 94 mass,p Lebrun 93 mass Lukens 93 mass	Zylberstejn 93 - Denisov 93 - Igarashi 93 - Zylberstejn 93 - Barbarogalti 92 - Abachi 95V cs Abe 95I cs Grassmann 95 cs Greenlee 95 cs Hoftun 95 cs Incandela 95 cs Incandela 95B cs Kim 95B - Klima 95 cs Kopp 95 cs Roser 95 cs Thompson 95 cs Wimpenny 95 - Abachi 94B cs Abachi 94D cs Abe 94T cs Abe 94Z cs Antos 94 cs Benloch 94 cs Cdfcollabora 94C - Chakraborty 94 cs Frisch 94 cs Garbincius 94 - Geer 94 cs Genser 94 cs Grannis 94 cs Grassmann 94 cs Jensen 94 cs Lidemartean 94 cs Nodulman 94 cs Raja 94 cs Shochet 94 cs Tollestrup 94 cs Watts 94 cs Williams 94 cs	Λ mult[charged] (neutrals) + $\bar{\Lambda}$ mult[charged] (neutrals) (1800) Lindsey 91 mult,pt Λ mult[charged-hadron] X (630) Bocquet 95 cor,p,pt $\bar{\Lambda}$ mult[charged-hadron] X (630) Bocquet 95 cor,p,pt $\Lambda J/\psi(1S) X$ (1800) Lukens 93 mass Abe 92E mass Gauthier 92 mass $\Lambda_b B^+ X$ (630) Gauthier 92 cs Albajar 91D cs $\Lambda_b B^0 X$ (630) Gauthier 92 cs Albajar 91D cs e^\pm (jets) jet X (630) Barbarogalti 92 pt e^\pm 2jet X (1800) Bhat 93 et Moulding 92 angp,p e^- 2jet X (1800) Abe 95L et,mass,p,pt Fuess 95 mass,p,pt Antos 94 cs Chakraborty 94 cs,et,p,pt Hagopian 94 et,mass Jensen 94 cs Kuhlmann 91 pt e^+ 2jet X (1800) Abe 95L et,mass,p,pt Fuess 95 mass,p,pt Antos 94 cs Chakraborty 94 cs,et,p,pt Hagopian 94 et,mass Jensen 94 cs $e^- \text{hadron (hadrons)} X$ (1800) Abachi 95I col,et,p,pt Abachi 95K et,p,pt Abachi 95Y col,et,p,pt Abachi 95ZD et,mass,p Abachi 95ZE col,et,et,mass,p Abachi 95ZM col,et,p,pt Abe 95C col,et,p,pt Abe 95I col,et,p,pt Debarbaro 95 col,et,p,pt Eno 95 et,p,pt Frisch 95 col,et,p,pt Fuess 95 col,et,p,pt Kim 95 col,et,p,pt Kim 95B cor,et,p,pt Melese 95 cor,et,mult,p,pt Abe 94M et,p Abe 94R col,et,p,pt Abe 94S col,cs,et,p,pt Budd 94 col,p,pt Debarbaro 94 col,et,p,pt Eppley 94 col,et,p Fahley 94 et,mass Geer 94 et,mass,p Graf 94 et,p Hara 94 col,et,p Jung 94 col,et,p Keup 94 col,et,p,pt Melese 94 et,mult,p Nodulman 94 col,et,p,pt Plunkett 94 col,et,p Quintas 94 cs,et,p Sakyumoto 94 et,p
$B_s \bar{B} X$ (1800)	Abe 94D mass Lewis 94 mass	p mult[charged] X + \bar{p} mult[charged] X (1800) Alexopoulos 92 cor,mult,pt \bar{p} mult[charged] X (1800) Decarlo 92 cs,pt p mult[charged] (neutrals) (1800) Lindsey 91 mult,pt \bar{p} mult[charged] (neutrals) (1800) Lindsey 91 mult,pt p jet X (630) Brandt 91 ang,angp,mass,p,pt p jet X + \bar{p} jet X (630) Brandt 92B angp,mass,p,pt $p \pi^- X$ (1800) Alexopoulos 92 mass $\bar{p} \pi^+ X$ (1800) Alexopoulos 92 mass DD < p > DD < \bar{p} > X (630) Joyce 93 mass,p Λ mult[charged] X (1800) Alexopoulos 92 cor,mult,pt Decarlo 92 cs,pt $\bar{\Lambda}$ mult[charged] X (1800) Alexopoulos 92 cor,mult,pt Decarlo 92 cs,pt	
$K^+ \psi(2S) X$ (1800)	Abe 94D mass Lewis 94 mass	$p \pi^- X$ (1800) Alexopoulos 92 mass $\bar{p} \pi^+ X$ (1800) Alexopoulos 92 mass DD < p > DD < \bar{p} > X (630) Joyce 93 mass,p Λ mult[charged] X (1800) Alexopoulos 92 cor,mult,pt Decarlo 92 cs,pt $\bar{\Lambda}$ mult[charged] X (1800) Alexopoulos 92 cor,mult,pt Decarlo 92 cs,pt	
$K^- \psi(2S) X$ (1800)	Lewis 94 mass	\bar{p} mult[charged] X (1800) Decarlo 92 cs,pt p mult[charged] (neutrals) (1800) Lindsey 91 mult,pt \bar{p} mult[charged] (neutrals) (1800) Lindsey 91 mult,pt p jet X (630) Brandt 91 ang,angp,mass,p,pt p jet X + \bar{p} jet X (630) Brandt 92B angp,mass,p,pt $p \pi^- X$ (1800) Alexopoulos 92 mass $\bar{p} \pi^+ X$ (1800) Alexopoulos 92 mass DD < p > DD < \bar{p} > X (630) Joyce 93 mass,p Λ mult[charged] X (1800) Alexopoulos 92 cor,mult,pt Decarlo 92 cs,pt $\bar{\Lambda}$ mult[charged] X (1800) Alexopoulos 92 cor,mult,pt Decarlo 92 cs,pt	
$K_S \psi(2S) X$ (1800)	Abe 94D mass Lewis 94 mass	\bar{p} mult[charged] X (1800) Decarlo 92 cs,pt p mult[charged] (neutrals) (1800) Lindsey 91 mult,pt \bar{p} mult[charged] (neutrals) (1800) Lindsey 91 mult,pt p jet X (630) Brandt 91 ang,angp,mass,p,pt p jet X + \bar{p} jet X (630) Brandt 92B angp,mass,p,pt $p \pi^- X$ (1800) Alexopoulos 92 mass $\bar{p} \pi^+ X$ (1800) Alexopoulos 92 mass DD < p > DD < \bar{p} > X (630) Joyce 93 mass,p Λ mult[charged] X (1800) Alexopoulos 92 cor,mult,pt Decarlo 92 cs,pt $\bar{\Lambda}$ mult[charged] X (1800) Alexopoulos 92 cor,mult,pt Decarlo 92 cs,pt	
$K^*(892)^+ \psi(2S) X$ (1800)	Abe 94D mass Lewis 94 mass	\bar{p} mult[charged] X (1800) Decarlo 92 cs,pt p mult[charged] (neutrals) (1800) Lindsey 91 mult,pt \bar{p} mult[charged] (neutrals) (1800) Lindsey 91 mult,pt p jet X (630) Brandt 91 ang,angp,mass,p,pt p jet X + \bar{p} jet X (630) Brandt 92B angp,mass,p,pt $p \pi^- X$ (1800) Alexopoulos 92 mass $\bar{p} \pi^+ X$ (1800) Alexopoulos 92 mass DD < p > DD < \bar{p} > X (630) Joyce 93 mass,p Λ mult[charged] X (1800) Alexopoulos 92 cor,mult,pt Decarlo 92 cs,pt $\bar{\Lambda}$ mult[charged] X (1800) Alexopoulos 92 cor,mult,pt Decarlo 92 cs,pt	
$K^*(892)^0 \psi(2S) X$ (1800)	Abe 94D mass Lewis 94 mass	\bar{p} mult[charged] X (1800) Decarlo 92 cs,pt p mult[charged] (neutrals) (1800) Lindsey 91 mult,pt \bar{p} mult[charged] (neutrals) (1800) Lindsey 91 mult,pt p jet X (630) Brandt 91 ang,angp,mass,p,pt p jet X + \bar{p} jet X (630) Brandt 92B angp,mass,p,pt $p \pi^- X$ (1800) Alexopoulos 92 mass $\bar{p} \pi^+ X$ (1800) Alexopoulos 92 mass DD < p > DD < \bar{p} > X (630) Joyce 93 mass,p Λ mult[charged] X (1800) Alexopoulos 92 cor,mult,pt Decarlo 92 cs,pt $\bar{\Lambda}$ mult[charged] X (1800) Alexopoulos 92 cor,mult,pt Decarlo 92 cs,pt	
$K^*(892)^- \psi(2S) X$ (1800)	Lewis 94 mass	\bar{p} mult[charged] X (1800) Decarlo 92 cs,pt p mult[charged] (neutrals) (1800) Lindsey 91 mult,pt \bar{p} mult[charged] (neutrals) (1800) Lindsey 91 mult,pt p jet X (630) Brandt 91 ang,angp,mass,p,pt p jet X + \bar{p} jet X (630) Brandt 92B angp,mass,p,pt $p \pi^- X$ (1800) Alexopoulos 92 mass $\bar{p} \pi^+ X$ (1800) Alexopoulos 92 mass DD < p > DD < \bar{p} > X (630) Joyce 93 mass,p Λ mult[charged] X (1800) Alexopoulos 92 cor,mult,pt Decarlo 92 cs,pt $\bar{\Lambda}$ mult[charged] X (1800) Alexopoulos 92 cor,mult,pt Decarlo 92 cs,pt	
bottom bottom X (630)	Albajar 95 ang,const,cs,p,pt Albajar 93B angp,cs Forty 93 - Albajar 91C - Abe 94Q cor,cs,pt Bazizi 94 ang,cor,pt Gerdes 94 - Hara 94 cs Hedin 94 ang,p,pt Yu 94B cs,pt Papadimitrio 93C cor,cs,pt	\bar{p} mult[charged] X (1800) Decarlo 92 cs,pt p mult[charged] (neutrals) (1800) Lindsey 91 mult,pt \bar{p} mult[charged] (neutrals) (1800) Lindsey 91 mult,pt p jet X (630) Brandt 91 ang,angp,mass,p,pt p jet X + \bar{p} jet X (630) Brandt 92B angp,mass,p,pt $p \pi^- X$ (1800) Alexopoulos 92 mass $\bar{p} \pi^+ X$ (1800) Alexopoulos 92 mass DD < p > DD < \bar{p} > X (630) Joyce 93 mass,p Λ mult[charged] X (1800) Alexopoulos 92 cor,mult,pt Decarlo 92 cs,pt $\bar{\Lambda}$ mult[charged] X (1800) Alexopoulos 92 cor,mult,pt Decarlo 92 cs,pt	
$B \bar{B} X$ (630)	Rossi 91 cs Abe 95U cs,p,pt Papadimitrio 95 ang,p,pt Barker 94 cs,p,pt Huffman 93 cs,pt	\bar{p} mult[charged] X (1800) Decarlo 92 cs,pt p mult[charged] (neutrals) (1800) Lindsey 91 mult,pt \bar{p} mult[charged] (neutrals) (1800) Lindsey 91 mult,pt p jet X (630) Brandt 91 ang,angp,mass,p,pt p jet X + \bar{p} jet X (630) Brandt 92B angp,mass,p,pt $p \pi^- X$ (1800) Alexopoulos 92 mass $\bar{p} \pi^+ X$ (1800) Alexopoulos 92 mass DD < p > DD < \bar{p} > X (630) Joyce 93 mass,p Λ mult[charged] X (1800) Alexopoulos 92 cor,mult,pt Decarlo 92 cs,pt $\bar{\Lambda}$ mult[charged] X (1800) Alexopoulos 92 cor,mult,pt Decarlo 92 cs,pt	
$B^0 \bar{B} X$ (1800)	Abachi 95R - Abe 95U cs,p,pt Skarha 95 - Denisov 93 - Igarashi 93 - Zylberstejn 93 -	\bar{p} mult[charged] X (1800) Decarlo 92 cs,pt p mult[charged] (neutrals) (1800) Lindsey 91 mult,pt \bar{p} mult[charged] (neutrals) (1800) Lindsey 91 mult,pt p jet X (630) Brandt 91 ang,angp,mass,p,pt p jet X + \bar{p} jet X (630) Brandt 92B angp,mass,p,pt $p \pi^- X$ (1800) Alexopoulos 92 mass $\bar{p} \pi^+ X$ (1800) Alexopoulos 92 mass DD < p > DD < \bar{p} > X (630) Joyce 93 mass,p Λ mult[charged] X (1800) Alexopoulos 92 cor,mult,pt Decarlo 92 cs,pt $\bar{\Lambda}$ mult[charged] X (1800) Alexopoulos 92 cor,mult,pt Decarlo 92 cs,pt	
$\bar{B}^0 B X$ (1800)	Abachi 95R - Abe 95U cs,p,pt Skarha 95 - Denisov 93 - Igarashi 93 - Zylberstejn 93 -	\bar{p} mult[charged] X (1800) Decarlo 92 cs,pt p mult[charged] (neutrals) (1800) Lindsey 91 mult,pt \bar{p} mult[charged] (neutrals) (1800) Lindsey 91 mult,pt p jet X (630) Brandt 91 ang,angp,mass,p,pt p jet X + \bar{p} jet X (630) Brandt 92B angp,mass,p,pt $p \pi^- X$ (1800) Alexopoulos 92 mass $\bar{p} \pi^+ X$ (1800) Alexopoulos 92 mass DD < p > DD < \bar{p} > X (630) Joyce 93 mass,p Λ mult[charged] X (1800) Alexopoulos 92 cor,mult,pt Decarlo 92 cs,pt $\bar{\Lambda}$ mult[charged] X (1800) Alexopoulos 92 cor,mult,pt Decarlo 92 cs,pt	
$B^0 \bar{B}^0 X$ (630)	Barbarogalti 92 - Abe 95Y - Forty 93 - Shaw 93 - Barbarogalti 92 - Abe 91N - Song 91 -	\bar{p} mult[charged] X (1800) Decarlo 92 cs,pt p mult[charged] (neutrals) (1800) Lindsey 91 mult,pt \bar{p} mult[charged] (neutrals) (1800) Lindsey 91 mult,pt p jet X (630) Brandt 91 ang,angp,mass,p,pt p jet X + \bar{p} jet X (630) Brandt 92B angp,mass,p,pt $p \pi^- X$ (1800) Alexopoulos 92 mass $\bar{p} \pi^+ X$ (1800) Alexopoulos 92 mass DD < p > DD < \bar{p} > X (630) Joyce 93 mass,p Λ mult[charged] X (1800) Alexopoulos 92 cor,mult,pt Decarlo 92 cs,pt $\bar{\Lambda}$ mult[charged] X (1800) Alexopoulos 92 cor,mult,pt Decarlo 92 cs,pt	
$B_s \bar{B} X$ (1800)	Denisov 93 - Igarashi 93 -	\bar{p} mult[charged] X (1800) Decarlo 92 cs,pt p mult[charged] (neutrals) (1800) Lindsey 91 mult,pt \bar{p} mult[charged] (neutrals) (1800) Lindsey 91 mult,pt p jet X (630) Brandt 91 ang,angp,mass,p,pt p jet X + \bar{p} jet X (630) Brandt 92B angp,mass,p,pt $p \pi^- X$ (1800) Alexopoulos 92 mass $\bar{p} \pi^+ X$ (1800) Alexopoulos 92 mass DD < p > DD < \bar{p} > X (630) Joyce 93 mass,p Λ mult[charged] X (1800) Alexopoulos 92 cor,mult,pt Decarlo 92 cs,pt $\bar{\Lambda}$ mult[charged] X (1800) Alexopoulos 92 cor,mult,pt Decarlo 92 cs,pt	

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$\bar{p} p \rightarrow e^- \text{hadron (hadrons)} X$ $\bar{p} p \rightarrow \mu^- \mu^+ \gamma X$

$\bar{p} p$	$\bar{p} p$	$\bar{p} p$
$e^- \text{hadron (hadrons)} X$	$e^- e^+ \gamma X$	$\mu^+ \text{hadron (hadrons)} X$
Taketani 94 et,mass,p	Wagner 95 cor,mass,p,pt	Budd 94 col,p,pt
Cdfcollabora 93F et,p,pt	Abe 94O col,cs,et,mass,p,pt	Debarbaro 94 col,et,p,pt
Dickson 93 et,p	Ellison 94 et,mass,p,pt	Geer 94 et,mass,p
Zhu 93 et,p	Errede 94 et,mass,p	Graf 94 et,p
$e^- \text{hadron (hadrons)} Ojet X$	Errede 94B et,mass,p,pt	Hara 94 col,et,p,pt
(1800) Fahley 94 cor,et		Jung 94 col,et,p,pt
$e^+ \text{hadron (hadrons)} X$		Keup 94 col,et,p,pt
(1800) Abachi 95I col,et,p,pt	$3e^\pm X$	Melese 94 et,mult,p
Abachi 95K et,p,pt	(1800) White 94 p,pt	Nodulman 94 col,et,p,pt
Abachi 95Y col,et,p,pt	Wolinski 94 p,pt	Quintas 94 cs,et,p
Abachi 95ZD et,mass,p	Eno 95 et,p,pt	Sakyumoto 94 et,p
Abachi 95ZE col,et,et,mass,p	Blessing 94 et,p,pt	Taketani 94 p
Abachi 95ZM col,et,et,mass,p	Kamon 94 ang,cor,p,pt	Dickson 93 et,p
Abe 95C col,et,p,pt	Eno 95 et,p,pt	Meschi 93 col,p,pt
Abe 95I col,et,p,pt	Blessing 94 et,p,pt	
Debarbaro 95 col,et,p,pt	Kamon 94 ang,cor,p,pt	$\mu^- e^- \text{jet} X$
Eno 95 et,p,pt	Eno 95 et,p,pt	(1800) Raja 94 et
Frisch 95 col,et,p,pt	Blessing 94 et,p,pt	$\mu^+ e^+ \text{jet} X$
Fuess 95 col,et,p,pt	Kamon 94 ang,cor,p,pt	(1800) Raja 94 et
Kim 95 col,et,p,pt	Abe 95L et,mass,p,pt	$\mu^\pm 2e^\pm X$
Kim 95B cor,et,p,pt	Fuess 95 mass,p,pt	(1800) White 94 p,pt
Melese 95 cor,et,mult,p,pt	Antos 94 cs	Wolinski 94 p,pt
Abe 94M et,p	Chakraborty 94 cs,et,p,pt	
Abe 94R col,et,p,pt	Hagopian 94 et,mass,pt	$\mu^- e^- e^+ X$
Abe 94S col,cs,et,p,pt	Jensen 94 cs	(1800) Eno 95 et,p,pt
Budd 94 col,p,pt	Raja 94 col,et	Blessing 94 et,p,pt
Debarbaro 94 col,et,p,pt	Abe 95L et,mass,p,pt	Kamon 94 ang,cor,p,pt
Eppley 94 col,et,p	Fuess 95 mass,p,pt	
Fahley 94 et,mass	Antos 94 cs	$\mu^+ e^- e^+ X$
Geer 94 et,mass,p	Chakraborty 94 cs,et,p,pt	(1800) Eno 95 et,p,pt
Graf 94 et,p	Hagopian 94 et,mass,pt	Blessing 94 et,p,pt
Hara 94 col,et,p	Jensen 94 cs	Kamon 94 ang,cor,p,pt
Jung 94 col,et,p	Raja 94 col,et	
Keup 94 col,et,p,pt	Abe 95L et,mass,p,pt	$\mu^- \mu^+ (\text{jets}) X$
Melese 94 et,mult,p	Fuess 95 mass,p,pt	(1800) Cdfcollabora 94D et
Nodulman 94 col,et,p,pt	Antos 94 cs	$2\mu^- \text{jet} X$
Plunkett 94 col,et,p	Chakraborty 94 cs,et,p,pt	(1800) Abachi 95R cor,et,p,pt
Quintas 94 cs,et,p	Hagopian 94 et,mass,pt	Abachi 95R cor,et,p,pt
Sakyumoto 94 et,p	Jensen 94 cs	Cdfcollabora 94D et,mass,mult
Taketani 94 et,mass,p	Raja 94 col,et	Hauger 94B et,mass
Cdfcollabora 93F et,p,pt	Abe 95L et,mass,p,pt	Abachi 95R cor,et,p,pt
Dickson 93 et,p	Fuess 95 mass,p,pt	Errede 94 et,mass,p
Zhu 93 et,p	Antos 94 cs	
$e^+ \text{hadron (hadrons)} Ojet X$	Chakraborty 94 cs,et,p,pt	$\mu^- \mu^+ \text{jet} X$
(1800) Fahley 94 cor,et	Hagopian 94 et,mass,pt	(1800) Abachi 95R cor,et,p,pt
$e^- e^+ (\text{jets}) X$	Jensen 94 cs	Cdfcollabora 94D et,mass,mult
(1800) Cdfcollabora 94D et	Raja 94 col,et	Hauger 94B et,mass
$e^- e^+ \text{jet} X$	Abe 95L et,mass,p,pt	Abachi 95R cor,et,p,pt
(1800) Abachi 95X cs,et,p,pt	Fuess 95 mass,p,pt	Errede 94 et,mass,p
Cdfcollabora 94D et,mass,mult	Antos 94 cs	
Hauger 94B et,mass	Chakraborty 94 cs,et,p,pt	$\mu^- \bar{\nu}_e \gamma X$
$e^- \bar{\nu}_e \gamma X$	Hagopian 94 et,mass,pt	(1800) Aihara 95 et
(1800) Aihara 95 et	Jensen 94 cs	Errede 94 et,mass,p
Errede 94 et,mass,p	Raja 94 col,et	
$e^+ \nu_e \gamma X$	Abe 95L et,mass,p,pt	$\mu^+ \nu_\mu \gamma X$
(1800) Aihara 95 et	Fuess 95 mass,p,pt	(1800) Aihara 95 et
Errede 94 et,mass,p	Antos 94 cs	Errede 94 et,mass,p
$e^- e^+ \gamma X$	Chakraborty 94 cs,et,p,pt	
(1800) Abachi 95B cor,cs,et,mass,p,pt	Hagopian 94 et,mass,pt	$\mu^- \mu^+ \gamma X$
Abachi 95O col,et,mass,p,pt	Jensen 94 cs	(1800) Abachi 95B cor,cs,et,mass,p,pt
Abachi 95ZJ col,et,mass,p,pt	Raja 94 col,et	Abachi 95O col,et,mass,p,pt
Abachi 95ZK col,et,mass,p,pt	Abe 95L et,mass,p,pt	Abachi 95ZB mass,p,pt
Aihara 95 et	Fuess 95 mass,p,pt	Abachi 95ZJ col,et,mass,p,pt
Benjmain 95 et,mass,p,pt	Antos 94 cs	Abe 95T mass
Landsberg 95 et,mass,p,pt	Chakraborty 94 cs,et,p,pt	Aihara 95 et
	Hagopian 94 et,mass,pt	Bazizi 95 mass,p,pt
	Jensen 94 cs	Benjmain 95 et,mass,p,pt
	Raja 94 col,et	Derwent 95 mass,p,pt
	Abe 95L et,mass,p,pt	Landsberg 95 et,mass,p,pt
	Fuess 95 mass,p,pt	Wagner 95 cor,mass,p,pt
	Antos 94 cs	Abe 94O col,cs,et,mass,p,pt
	Chakraborty 94 cs,et,p,pt	Ellison 94 et,mass,p,pt
	Hagopian 94 et,mass,pt	Errede 94B et,mass,p,pt
	Jensen 94 cs	Hedin 94 ang,mass,p,pt
	Raja 94 col,et	
	Abe 95L et,mass,p,pt	
	Fuess 95 mass,p,pt	
	Antos 94 cs	
	Chakraborty 94 cs,et,p,pt	
	Hagopian 94 et,mass,pt	
	Jensen 94 cs	
	Raja 94 col,et	
	Abe 95L et,mass,p,pt	
	Fuess 95 mass,p,pt	
	Antos 94 cs	
	Chakraborty 94 cs,et,p,pt	
	Hagopian 94 et,mass,pt	
	Jensen 94 cs	
	Raja 94 col,et	
	Abe 95L et,mass,p,pt	
	Fuess 95 mass,p,pt	
	Antos 94 cs	
	Chakraborty 94 cs,et,p,pt	
	Hagopian 94 et,mass,pt	
	Jensen 94 cs	
	Raja 94 col,et	
	Abe 95L et,mass,p,pt	
	Fuess 95 mass,p,pt	
	Antos 94 cs	
	Chakraborty 94 cs,et,p,pt	
	Hagopian 94 et,mass,pt	
	Jensen 94 cs	
	Raja 94 col,et	
	Abe 95L et,mass,p,pt	
	Fuess 95 mass,p,pt	
	Antos 94 cs	
	Chakraborty 94 cs,et,p,pt	
	Hagopian 94 et,mass,pt	
	Jensen 94 cs	
	Raja 94 col,et	
	Abe 95L et,mass,p,pt	
	Fuess 95 mass,p,pt	
	Antos 94 cs	
	Chakraborty 94 cs,et,p,pt	
	Hagopian 94 et,mass,pt	
	Jensen 94 cs	
	Raja 94 col,et	
	Abe 95L et,mass,p,pt	
	Fuess 95 mass,p,pt	
	Antos 94 cs	
	Chakraborty 94 cs,et,p,pt	
	Hagopian 94 et,mass,pt	
	Jensen 94 cs	
	Raja 94 col,et	
	Abe 95L et,mass,p,pt	
	Fuess 95 mass,p,pt	
	Antos 94 cs	
	Chakraborty 94 cs,et,p,pt	
	Hagopian 94 et,mass,pt	
	Jensen 94 cs	
	Raja 94 col,et	
	Abe 95L et,mass,p,pt	
	Fuess 95 mass,p,pt	
	Antos 94 cs	
	Chakraborty 94 cs,et,p,pt	
	Hagopian 94 et,mass,pt	
	Jensen 94 cs	
	Raja 94 col,et	
	Abe 95L et,mass,p,pt	
	Fuess 95 mass,p,pt	
	Antos 94 cs	
	Chakraborty 94 cs,et,p,pt	
	Hagopian 94 et,mass,pt	
	Jensen 94 cs	
	Raja 94 col,et	
	Abe 95L et,mass,p,pt	
	Fuess 95 mass,p,pt	
	Antos 94 cs	
	Chakraborty 94 cs,et,p,pt	
	Hagopian 94 et,mass,pt	
	Jensen 94 cs	
	Raja 94 col,et	
	Abe 95L et,mass,p,pt	
	Fuess 95 mass,p,pt	
	Antos 94 cs	
	Chakraborty 94 cs,et,p,pt	
	Hagopian 94 et,mass,pt	
	Jensen 94 cs	
	Raja 94 col,et	
	Abe 95L et,mass,p,pt	
	Fuess 95 mass,p,pt	
	Antos 94 cs	
	Chakraborty 94 cs,et,p,pt	
	Hagopian 94 et,mass,pt	
	Jensen 94 cs	
	Raja 94 col,et	
	Abe 95L et,mass,p,pt	
	Fuess 95 mass,p,pt	
	Antos 94 cs	
	Chakraborty 94 cs,et,p,pt	
	Hagopian 94 et,mass,pt	
	Jensen 94 cs	
	Raja 94 col,et	
	Abe 95L et,mass,p,pt	
	Fuess 95 mass,p,pt	
	Antos 94 cs	
	Chakraborty 94 cs,et,p,pt	
	Hagopian 94 et,mass,pt	
	Jensen 94 cs	
	Raja 94 col,et	
	Abe 95L et,mass,p,pt	
	Fuess 95 mass,p,pt	
	Antos 94 cs	
	Chakraborty 94 cs,et,p,pt	
	Hagopian 94 et,mass,pt	
	Jensen 94 cs	
	Raja 94 col,et	
	Abe 95L et,mass,p,pt	
	Fuess 95 mass,p,pt	
	Antos 94 cs	
	Chakraborty 94 cs,et,p,pt	
	Hagopian 94 et,mass,pt	
	Jensen 94 cs	
	Raja 94 col,et	
	Abe 95L et,mass,p,pt	
	Fuess 95 mass,p,pt	
	Antos 94 cs	
	Chakraborty 94 cs,et,p,pt	
	Hagopian 94 et,mass,pt	
	Jensen 94 cs	
	Raja 94 col,et	
	Abe 95L et,mass,p,pt	
	Fuess 95 mass,p,pt	
	Antos 94 cs	
	Chakraborty 94 cs,et,p,pt	
	Hagopian 94 et,mass,pt	
	Jensen 94 cs	
	Raja 94 col,et	
	Abe 95L et,mass,p,pt	
	Fuess 95 mass,p,pt	
	Antos 94 cs	
	Chakraborty 94 cs,et,p,pt	
	Hagopian 94 et,mass,pt	
	Jensen 94 cs	
	Raja 94 col,et	
	Abe 95L et,mass,p,pt	
	Fuess 95 mass,p,pt	
	Antos 94 cs	
	Chakraborty 94 cs,et,p,pt	
	Hagopian 94 et,mass,pt	
	Jensen 94 cs	
	Raja 94 col,et	
	Abe 95L et,mass,p,pt	
	Fuess 95 mass,p,pt	
	Antos 94 cs	
	Chakraborty 94 cs,et,p,pt	
	Hagopian 94 et,mass,pt	
	Jensen 94 cs	
	Raja 94 col,et	
	Abe 95L et,mass,p,pt	
	Fuess 95 mass,p,pt	
	Antos 94 cs	
	Chakraborty 94 cs,et,p,pt	
	Hagopian 94 et,mass,pt	
	Jensen 94 cs	
	Raja 94 col,et	
	Abe 95L et,mass,p,pt	
	Fuess 95 mass,p,pt	
	Antos 94 cs	
	Chakraborty 94 cs,et,p,pt	
	Hagopian 94 et,mass,pt	
	Jensen 94 cs	
	Raja 94 col,et	
	Abe 95L et,mass,p,pt	
	Fuess 95 mass,p,pt	
	Antos 94 cs	
	Chakraborty 94 cs,et,p,pt	
	Hagopian 94 et,mass,pt	
	Jensen 94 cs	
	Raja 94 col,et	
	Abe 95L et,mass,p,pt	
	Fuess 95 mass,p,pt	
	Antos 94 cs	
	Chakraborty 94 cs,et,p,pt	
	Hagopian 94 et,mass,pt	
	Jensen 94 cs	
	Raja 94 col,et	
	Abe 95L et,mass,p,pt	
	Fuess 95 mass,p,pt	
	Antos 94 cs	
	Chakraborty 94 cs,et,p,pt	
	Hagopian 94 et,mass,pt	
	Jensen 94 cs	
	Raja 94 col,et	
	Abe 95L et,mass,p,pt	
	Fuess 95 mass,p,pt	
	Antos 94 cs	
	Chakraborty 94 cs,et,p,pt	
	Hagopian 94 et,mass,pt	
	Jensen 94 cs	
	Raja 94 col,et	
	Abe 95L et,mass,p,pt	
	Fuess 95 mass,p,pt	
	Antos 94 cs	
	Chakraborty 94 cs,et,p,pt	
	Hagopian 94 et,mass,pt	
	Jensen 94 cs	
	Raja 94 col,et	
	Abe 95L et,mass,p,pt	
	Fuess 95 mass,p,pt	
	Antos 94 cs	
	Chakraborty 94 cs,et,p,pt	
	Hagopian 94 et,mass,pt	
	Jensen 94 cs	
	Raja 94 col,et	
	Abe 95L et,mass,p,pt	
	Fuess 95 mass,p,pt	
	Antos 94 cs	
	Chakraborty 94 cs,et,p,pt	
	Hagopian 94 et,mass,pt	
	Jensen 94 cs	
	Raja 94 col,et	
	Abe 95L et,mass,p,pt	
	Fuess 95 mass,p,pt	
	Antos 94 cs	
	Chakraborty 94 cs,et,p,pt	
	Hagopian 94 et,mass,pt	
	Jensen 94 cs	
	Raja 94 col,et	
	Abe 95L et,mass,p,pt	
	Fuess 95 mass,p,pt	
	Antos 94 cs	
	Chakraborty 94 cs,et,p,pt	
	Hagopian 94 et,mass,pt	
	Jensen 94 cs	
	Raja 94 col,et	
	Abe 95L et,mass,p,pt	
	Fuess 95 mass,p,pt	
	Antos 94 cs	
	Chakraborty 94 cs,et,p,pt	
	Hagopian 94 et,mass,pt	
	Jensen 94 cs	
	Raja 94 col,et	
	Abe 95L et,mass,p,pt	
	Fuess 95 mass,p,pt	
	Antos 94 cs	
	Chakraborty 94 cs,et,p,pt	
	Hagopian 94 et,mass,pt	
	Jensen 94 cs	
	Raja 94 col,et	
	Abe 95L et,mass,p,pt	
	Fuess 95 mass,p,pt	
	Antos 94 cs	
	Chakraborty 94 cs,et,p,pt	
	Hagopian 94 et,mass,pt	
	Jensen 94 cs	
	Raja 94 col,et	
	Abe 95L et,mass,p,pt	
	Fuess 95 mass,p,pt	</

$\bar{p} p \rightarrow J/\psi(1S) \pi^+ \pi^- X$ $\bar{p} p \rightarrow \mu^+ \gamma \text{ hadron (hadrons) } X$

$\bar{p} p$	$\bar{p} p$	$\bar{p} p$
$J/\psi(1S) \pi^+ \pi^- X$	$e^- 3\text{jet } X$	$e^- e^+ \text{ hadron (hadrons) } X$
Papadimitrio 93B mass	Jensen 94 cs	Abachi 95I et,mass,p,pt
Papadimitrio 93C mass	$e^+ 2\text{jet jet} < B X > X$	Abachi 95K et,p,pt
$K^+ K^- J/\psi(1S) X$	(1800) Abe 95I cor,et,p,pt	Abachi 95U ang,col,et,p,pt
(1800) Abe 93Y mass	$e^+ 2\text{jet jet} < \bar{B} X > X$	Abachi 95ZE col,et,et,mass,p
Lukens 93 mass	(1800) Abe 95I cor,et,p,pt	Eno 95 et,mass,p,pt
$B \bar{B} \text{jet } X$	$e^+ 3\text{jet } X$	Fuess 95 col,et,mass,p,pt
(1800) Abachi 95M p,pt	(1800) Antos 94 cs	Fahley 94 et,mass
$p \text{ mult[charged}^+ \text{] mult[charged}^- \text{] } X$	(1800) Chakraborty 94 cs,et,p,pt	Geer 94 et,mass,p
32 Zabrodin 95 cs,mult,p,pt	Jensen 94 cs	Taketani 94 et,mass,p
$p 2\pi^- X$	$e^- \text{ hadron (hadrons) jet } X$	Glicenstein 93 cor,et,p,pt
(1800) Alexopoulos 92 mass	(1800) Fahley 94 cor,et	$2e^- e^+ \bar{\nu}_e X$
$\bar{p} 2\pi^+ X$	$e^+ \text{ hadron (hadrons) jet } X$	(1800) Errede 94 et,mass,p
(1800) Alexopoulos 92 mass	(1800) Fahley 94 cor,et	$e^- e^+ \nu_e \bar{\nu}_e X$
$p \bar{p} \text{ mult[charged] } X$	$e^- \gamma \text{ hadron (hadrons) } X$	(1800) Errede 94 et,mass,p
(630) Joyce 91 et,mass,p,pt,pt	(1800) Abachi 95E col,et,p,pt	$e^- 2e^+ \nu_e X$
DD $< p >$ DD $< \bar{p} >$ mult[charged] X	Benjmain 95 col,et,p,pt	(1800) Errede 94 et,mass,p
(630) Joyce 93 cs,mult	Abe 94N col,et,pt	$2e^- 2e^+ X$
$p \bar{p} \text{ mult[jet] } X$	Abe 94P col,et,mass	(1800) Errede 94 et,mass,p
(630) Joyce 91 et,mult	Ellison 94 col,et,p,pt	$\mu^\pm (\text{jets}) 2\text{jet } X$
$p \bar{p} \text{ charged } X$	Errede 94B et,p,pt	(1800) Kuhlmann 91 ang
(630) Joyce 91 p	Fuess 94B cs,et,mass,pt	$\mu^- (\text{jets}) 2\text{jet } X$
$p \bar{p} \pi^+ X$	$e^+ \gamma \text{ hadron (hadrons) } X$	(1800) Barbarogalti 92 ang,p,pt
(630) Joyce 91 p	(1800) Abachi 95E col,et,p,pt	Liss 91 ang,mass,p,pt
$p \bar{p} \pi^- X$	Benjmain 95 col,et,p,pt	$\mu^+ (\text{jets}) 2\text{jet } X$
(630) Joyce 91 p	Abe 94P col,et,mass	(1800) Barbarogalti 92 ang,p,pt
$p \bar{p} K^+ X$	Ellison 94 col,et,p,pt	$\mu^- \text{ neutral } 2\text{jet } X$
(630) Joyce 91 p	Errede 94B et,p,pt	(1800) Norman 94 et,p,pt
$p \bar{p} K^- X$	Fuess 94B cs,et,mass,pt	$\mu^+ \text{ neutral } 2\text{jet } X$
(630) Joyce 91 p	$e^\pm \nu 2\text{jet } X$	(1800) Norman 94 et,p,pt
$2p \bar{p} X$	(1800) White 94 mass	$\mu^- 2\text{jet jet} < B X > X$
(630) Joyce 91 p	Abachi 93B mass	(1800) Abe 95I cor,et,p,pt
$p 2\bar{p} X$	$e^- \bar{\nu} 2\text{jet } X$	$\mu^- 2\text{jet jet} < \bar{B} X > X$
(630) Joyce 91 p	(1800) Abachi 95ZF et,mass,p	(1800) Abe 95I cor,et,p,pt
$0e^\pm 0\mu^\pm (\text{jets}) 3\text{jet } X$	Park 95 col,et,mass	$\mu^- 3\text{jet } X$
(1800) Hagopian 94 cs,et	$e^+ \nu 2\text{jet } X$	(1800) Antos 94 cs
$\ell (\text{jets}) 2\text{jet } X$	(1800) Abachi 95ZF et,mass,p	Chakraborty 94 cs,et,p,pt
(1800) Leone 92 col,pt	Park 95 col,et,mass	Jensen 94 cs
$e^\pm (\text{jets}) 2\text{jet } X$	$2e^\pm 2\text{jet } X$	(1800) Barbarogalti 92 ang,p,pt
(1800) Barbarogalti 91 mass,pt	(1800) Gold 92 pt	Liss 91 ang,mass,p,pt
Kuhlmann 91 ang	$e^- e^+ 2\text{jet } X$	Abe 90I ang,mass,p,pt
$e^- (\text{jets}) 2\text{jet } X$	1800 Bhat 93 et	$e^+ (\text{jets}) 2\text{jet } X$
(1800) Barbarogalti 92 ang,p,pt	Narain 93 et	(1800) Barbarogalti 92 ang,p,pt
Liss 91 ang,mass,p,pt	Abachi 95G et,mass,pt	$e^- \text{ neutral } 2\text{jet } X$
Abe 90I ang,mass,p,pt	Abachi 95X cs,et,p,pt	(1800) Norman 94 et,p,pt
$e^+ (\text{jets}) 2\text{jet } X$	Abe 95K et,mass,pt	$e^+ \text{ neutral } 2\text{jet } X$
(1800) Barbarogalti 92 ang,p,pt	Abe 95L et,mass,p,pt	(1800) Norman 94 et,p,pt
$e^- \text{ neutral } 2\text{jet } X$	Fuess 95 mass,p,pt	$e^\pm 3\text{jet } X$
(1800) Norman 94 et,p,pt	Abe 94T cor,et,mass,p,pt	(1800) Madaras 92 et
$e^+ \text{ neutral } 2\text{jet } X$	Frisch 94 et,p	Abe 91I cs
(1800) Norman 94 et,p,pt	Garbincius 94 cor,et,p,pt	$e^- 2\text{jet jet} < B X > X$
$e^\pm 3\text{jet } X$	Geer 94 cs,et,p,pt	(1800) Abe 95I cor,et,p,pt
(1800) Madaras 92 et	Genser 94 cs,et,p,pt	$e^- 2\text{jet jet} < \bar{B} X > X$
Abe 91I cs	Hagopian 94 et,mass	(1800) Abe 95I cor,et,p,pt
$e^- 2\text{jet jet} < B X > X$	Nodulman 94 et,p	$e^- 3\text{jet } X$
(1800) Abe 95I cor,et,p,pt	Norman 94 et,p,pt	(1800) Antos 94 cs
$e^- 2\text{jet jet} < \bar{B} X > X$	Shochet 94 et,mass,pt	Chakraborty 94 cs,et,p,pt
(1800) Abe 95I cor,et,p,pt	White 94 mass	Jensen 94 cs
$e^- 3\text{jet } X$	Abachi 93 cs	$\mu^- 2\text{hadron (hadrons) } X$
(1800) Antos 94 cs	Abachi 93B mass	(1800) Gerdes 94 et,p,pt
Chakraborty 94 cs,et,p,pt	Benloch 93 cs	$\mu^+ 2\text{hadron (hadrons) } X$
$e^- e^+ \text{ hadron (hadrons) } X$	Bhat 93 et	(1800) Gerdes 94 et,p,pt
(1800) Abachi 95C ang,col,et,p,pt	Cobal 93 et,pt	$\mu^- \gamma \text{ hadron (hadrons) } X$
	Diehl 93 et,mass	(1800) Abachi 95E col,et,p,pt
	Merritt 93 mass	Benjmain 95 col,et,p,pt
	Madaras 92 et	Abe 94N col,et,pt
	Moulding 92 ang,p,p	Abe 94P col,et,mass
		Ellison 94 col,et,p,pt
		Errede 94B et,p,pt
		Fuess 94B cs,et,mass,pt
		$\mu^+ \gamma \text{ hadron (hadrons) } X$
		(1800) Abachi 95E col,et,p,pt
		Benjmain 95 col,et,p,pt

$\bar{p} p \rightarrow \mu^+ \gamma \text{ hadron (hadrons) X}$ $\bar{p} p \rightarrow K^+ K^- \pi^+ \mu^- X$

$\bar{p} p$	$\bar{p} p$	$\bar{p} p$
$\mu^+ \gamma \text{ hadron (hadrons) X}$	$\mu^+ e^- e^+ \nu_\mu X$	$\mu^- \mu^+ e^- e^+ X$
Abe 94N col,et,pt	(1800) Errede 94 et,mass,p	(1800) Errede 94 et,mass,p
Abe 94P col,et,mass	$\mu^- e^+ \bar{\nu}_\mu \nu_e X$	$2\mu^- \mu^+ \bar{\nu}_\mu X$
Ellison 94 col,et,p,pt	(1800) Errede 94 et,mass,p	(1800) Errede 94 et,mass,p
Errede 94B et,p,pt	$\mu^+ e^- \nu_\mu \bar{\nu}_e X$	$\mu^- \mu^+ \nu_\mu \bar{\nu}_\mu X$
Fuess 94B cs,et,mass,pt	(1800) Errede 94 et,mass,p	(1800) Errede 94 et,mass,p
$\mu^- W^- \text{ (jets) jet X}$	$2\mu^- \text{ (jets) jet X}$	$\mu^- 2\mu^+ \nu_\mu X$
(1800) Abachi 94B cs,et,pt	(1800) Denisov 93 ang,mass,p,pt	(1800) Errede 94 et,mass,p
Grannis 94 cs,et,pt	Igarashi 93 ang,mass,p,pt	$2\mu^- 2\mu^+ X$
Lidemarteanu 94 cs,et,pt	Zylberstejn 93 ang,mass,p,pt	(1800) Errede 94 et,mass,p
$\mu^+ W^+ \text{ (jets) jet X}$	$\mu^- \mu^+ \text{ (jets) jet X}$	$\tau^- e^+ 2\text{jet X}$
(1800) Abachi 94B cs,et,pt	(1800) Denisov 93 ang,mass,p,pt	(1800) Leone 94 et,mass,pt
Grannis 94 cs,et,pt	Igarashi 93 ang,mass,p,pt	$\tau^+ e^- 2\text{jet X}$
Lidemarteanu 94 cs,et,pt	Zylberstejn 93 ang,mass,p,pt	(1800) Leone 94 et,mass,pt
$\mu^- e^- \text{ (jets) jet X}$	$2\mu^+ \text{ (jets) jet X}$	$\tau^- \mu^+ 2\text{jet X}$
(1800) Raja 94 col,et,mult,pt	(1800) Denisov 93 ang,mass,p,pt	(1800) Leone 94 et,mass,pt
$\mu^+ e^+ \text{ (jets) jet X}$	Igarashi 93 ang,mass,p,pt	$\tau^+ \mu^- 2\text{jet X}$
(1800) Raja 94 col,et,mult,pt	Zylberstejn 93 ang,mass,p,pt	(1800) Leone 94 et,mass,pt
$\mu^- e^- 2\text{jet X}$	$2\mu^- 2\text{jet X}$	$e^- e^+ q \bar{q} X$
(1800) Raja 94 et	(1800) Denisov 93 ang,mass,p,pt	(1800) Abe 93R cs
Abe 91G col,mass,pt	Igarashi 93 ang,mass,p,pt	$K (\pi\text{'s}) \mu^- \mu^+ X$
$\mu^- e^+ 2\text{jet X}$	Zylberstejn 93 ang,mass,p,pt	(1800) Wenzel 91 mass
(1800) Abachi 95G et,mass,pt	$\mu^- \mu^+ 2\text{jet X}$	$K^\pm \pi^\pm \mu^- \mu^+ X$
Abe 95K et,mass,pt	(1800) Abe 91G col,mass,pt	(1800) Cdfcollabora 94E mass
Abe 94T cor,et,mass,p,pt	$\mu^- \mu^+ 2\text{jet X}$	$K^+ \pi^- \mu^- \mu^+ X$
Frisch 94 et,p	(1800) Abachi 95G et,mass,pt	(1800) Abe 95E mass,p,pt
Garbincius 94 cor,et,p,pt	Abachi 95M ang,et,mass,p,pt	Byrum 94 mass,pt
Genser 94 cs,et,p,pt	Abe 95B et,mass,p,pt	Karen 94 ang,mass
Leone 94 et,mass,pt	Abe 95K et,mass,pt	Mueller 94 mass,pt
Nodulman 94 et,p	Abe 95L et,mass,p,pt	Abe 93ZG mass
Shochet 94 et,mass,pt	Fuess 95 mass,p,pt	Schneider 93 mass
Benlloch 93 cs	Harris 95 mass,p,pt	Skarha 93 mass
Diehl 93 et,mass	Park 95 col,et,mass	Wenzel 93 mass
$\mu^- e^+ 2\text{jet X} + \mu^+ e^- 2\text{jet X}$	Abe 94T cor,et,mass,p,pt	$K^- \pi^+ \mu^- \mu^+ X$
(1800) Abachi 93 cs	Frisch 94 et,p	(1800) Abe 95E mass,p,pt
Abe 93I ang,pt	Garbincius 94 et,p	Byrum 94 mass,pt
$\mu^+ e^- 2\text{jet X}$	$2\mu^+ 2\text{jet X}$	Karen 94 ang,mass
1800 Bhat 93 et	(1800) Geer 94 cs,et,p,pt	$K_S \pi^+ \mu^- \mu^+ X$
(1800) Narain 93 et	Hagopian 94 et,mass,pt	(1800) Mueller 94 mass,pt
Abachi 95G et,mass,pt	Nodulman 94 et,p	Abe 93ZG mass
Abe 95K et,mass,pt	Norman 94 et,p,pt	Schneider 93 mass
Abe 94T cor,et,mass,p,pt	Park 94B mass,p,pt	Skarha 93 mass
Frisch 94 et,p	Shochet 94 et,mass,pt	Wenzel 93 mass
Garbincius 94 cor,et,p,pt	Benlloch 93 cs	$K^+ 2\pi^- e^+ X$
Genser 94 cs,et,p,pt	$2\mu^+ 2\text{jet X}$	(1800) Lewis 94B mass,pt
Leone 94 et,mass,pt	(1800) Abe 91G col,mass,pt	$K^- 2\pi^+ e^- X$
Nodulman 94 et,p	$2\mu^- \text{ hadron (hadrons) X}$	(1800) Lewis 94B mass,pt
Shochet 94 et,mass,pt	(1800) Ragan 95 et,p	$K^\pm 2\pi^\pm \mu^\pm X$
Benlloch 93 cs	$\mu^- \mu^+ \text{ hadron (hadrons) X}$	(1800) Shochet 94 mass
Diehl 93 et,mass	(1800) Abachi 95C ang,col,et,p,pt	$K^+ 2\pi^- \mu^+ X$
$\mu^+ e^+ 2\text{jet X}$	Abachi 95I et,mass,p,pt	(1800) Lewis 94B mass,pt
(1800) Raja 94 et	Abachi 95U ang,col,et,p,pt	$K^- 2\pi^+ \mu^- X$
Abe 91G col,mass,pt	Abachi 95ZE col,et,et,mass,p	(1800) Lewis 94B mass,pt
$\mu^- e^+ \text{ hadron (hadrons) X}$	Fuess 95 col,et,mass,p,pt	$K^+ K^- \mu^- \mu^+ X$
(1800) Abachi 95C ang,col,et,p,pt	Ragan 95 et,p	(1800) Abe 95P mass,p
Abachi 95U ang,col,et,p,pt	Geer 94 et,mass,p	$K^+ K^- \pi^+ e^- X$
Fuess 95 col,et,mass,p,pt	$2\mu^+ \text{ hadron (hadrons) X}$	(1800) Cdfcollabora 94B
$\mu^+ e^- \text{ hadron (hadrons) X}$	(1800) Ragan 95 et,p	Lewis 94B mass,pt
(1800) Abachi 95C ang,col,et,p,pt	$\mu^- \mu^+ e^- \bar{\nu}_e X$	Skarha 93 mass,pt
Abachi 95U ang,col,et,p,pt	(1800) Errede 94 et,mass,p	Wenzel 93 mass,pt
Fuess 95 col,et,mass,p,pt	$\mu^- \mu^+ e^+ \nu_e X$	$K^+ K^- \pi^- e^+ X$
$\mu^- e^- e^+ \bar{\nu}_\mu X$	(1800) Errede 94 et,mass,p	(1800) Cdfcollabora 94B
(1800) Errede 94 et,mass,p		Lewis 94B mass,pt
		$K^+ K^- \pi^+ \mu^- X$
		(1800) Cdfcollabora 94B
		Lewis 94B mass,pt

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$\bar{p} p \rightarrow K^+ K^- \pi^+ \mu^- X$ $\bar{p} p \rightarrow e^- e^+ (\text{jets}) 2\text{jet } X$

$\bar{p} p$	$\bar{p} p$	$\bar{p} p$
$K^+ K^- \pi^+ \mu^- X$	$W^- W^+ 2\text{jet } X$	$e^+ (\text{jets}) 3\text{jet } X$
Skarha 93 mass,pt	(1800) Kim 95B cs,et,p	Strovink 95
Wenzel 93 mass,pt	Fatyga 93 cs, mass	Thompson 95
$K^+ K^- \pi^- \mu^+ X$	$Z^0 (\text{jets}) 2\text{jet } X$	cor,et,p,pt
(1800) Cdfcollabora 94B mass,pt	(1800) Abe 96F ang,angp,cor,cs,et	Abe 94Z et, mass, p
Lewis 94B mass,pt	Hauger 94B col, mass	Grassmann 94 cor, et, pt
$p \pi^- \mu^- \mu^+ X$	$2\text{neutralino } 2\text{jet } X$	Sphicas 94
(1800) Abe 92E mass	(1800) Abachi 95ZP ang, cor, et, p	Tollestrup 94 ang, col, et, p, pt
Gauthier 92 mass	$2\pi^0 \gamma \text{ neutral (neutrals)}$	Watts 94 ang, col, et, p, pt
(jets) 3jet X	0 Amsler 94G angp, mass, p	Williams 94 et, mass, p
(540 - 630) Jakobs 94 ang, et, mass, p	$4\pi X$	$e^- 2\text{jet jet} < \text{bottom } X >$
(1800) Abachi 95F et, p	(630 - 900) Neumeister 91 p, pt	jet < <u>bottom</u> X > X
Abachi 95L et, p	$4\pi^+ X + 4\pi^- X$	(1800) Grassmann 95
Eno 95 et, p	(630) Lipa 91 angp, cor	Abe 94Z et, mass, p
neutral 3jet X	$2\pi^+ 2\pi^- X$	$e^- 3\text{jet jet} < \text{bottom } X > X$
(1800) Hoftun 95 et	0 Zenoni 92B ang, mass	(1800) Grassmann 95
Claes 94 et	$K^+ 2\pi^- \gamma X$	Abe 94Z et, mass, p
4jet X	(1800) Kuhlmann 94B ang, mass, p	$e^- 3\text{jet jet} < \text{bottom } X > X$
1800 Abe 93ZD ang, cor, pt	$K^- 2\pi^+ \gamma X$	(1800) Grassmann 95
(630) Alitti 91G cs, pt	(1800) Kuhlmann 94B ang, mass, p	Abe 94Z et, mass, p
(1800) Abachi 95W col, et, p	$K^+ \pi^+ 2\pi^- X$	$e^- 4\text{jet } X$
Abachi 95ZK ang, angp, cs, mass, p	0 Bertin 95 mass	(1800) Abachi 95G et, mass, pt
Abe 95D angp, et, mass, p, pt	$K^- 2\pi^+ \pi^- X$	Abe 95K et, mass, pt
Geer 95B et, mass, p	0 Bertin 95 mass	Abe 94B et, mass, pt
Geer 94 angp, mass	$\ell (\text{jets}) 3\text{jet } X$	Abe 94ZE et, mass, pt
Yu 94 ang, et, mass	(1800) Leone 92 col, pt	Antos 94 cs
Diehl 93 et	$2\ell (\text{jets}) 2\text{jet } X$	Chakraborty 94 cs, et, p, pt
Flaugher 92B ang	(1800) Leone 92 col, pt	Jensen 94 cs
Keeble 92 ang, col, pt	$e^- (\text{jets}) 3\text{jet } X$	Leone 94 et, mass, pt
Keeble 92B ang, col, pt	(1800) Abachi 95V cor, et, p, pt	$e^+ 3\text{jet jet} < \text{bottom } X > X$
Giannetti 91 mass	Beretvas 95 ang, col, et, p, pt	(1800) Grassmann 95
hadron (hadrons) 2jet X	Grassmann 95 et, mass, p	Abe 94Z et, mass, p
(1800) Fahley 94 et, mult, p	Greenlee 95 cor, et, p, pt	$e^+ 3\text{jet jet} < \text{bottom } X > X$
Plunkett 94 cor, et, p	Hoftun 95 ang, col, et, p, pt	(1800) Grassmann 95
$\gamma 3\text{jet } X$	Incandela 95 cor, et, mass, p, pt	Abe 94Z et, mass, p
(1800) Buckleygeer 94 et, mass	Incandela 95B cor, et, p, pt	$e^+ 2\text{jet jet} < \text{bottom } X >$
Abe 911 cs	Klima 95 cor, et, p, pt	jet < <u>bottom</u> X > X
$2\gamma 2\text{jet } X$	Kopp 95 ang, col, et, p, pt	(1800) Grassmann 95
(1800) Abachi 95T cor, et, mass, p, pt	Strovink 95 ang, col, et, p, pt	Abe 94Z et, mass, p
Abe 95ZH et, p, pt	Thompson 95 cor, et, p, pt	$e^+ 4\text{jet } X$
$2\gamma \text{ hadron (hadrons) } X$	Abe 94Z et, mass, p	(1800) Abachi 95G et, mass, pt
(1800) Abe 95ZH col, et, p, pt	Grassmann 94 cor, et, p, pt	Abe 95K et, mass, pt
Huston 93 et	Sphicas 94 ang, col, et, p, pt	Abe 94B et, mass, pt
$W^+ (\text{jets}) 2\text{jet } X$	Tollestrup 94 ang, col, et, p, pt	Abe 94ZE et, mass, pt
(1800) Grassmann 95 angp, et, p	Watts 94 cs, et, pt	Antos 94 cs
Yu 95B et, mass, mult, p	Williams 94 et, mass, p	Chakraborty 94 cs, et, p, pt
Abe 94Z angp, et, p	$e^+ (\text{jets}) 3\text{jet } X$	Jensen 94 cs
$W^- (\text{jets}) 2\text{jet } X$	(1800) Abachi 95V cor, et, p, pt	Leone 94 et, mass, pt
(1800) Grassmann 95 angp, et, p	Beretvas 95 ang, col, et, p, pt	$e^- \text{hadron (hadrons) } 2\text{jet } X$
Yu 95B et, mass, mult, p	Grassmann 95 et, mass, p	(1800) Fuess 94B cs, et, mass, pt
Abe 94Z angp, et, p	Greenlee 95 cor, et, p, pt	$e^+ \text{hadron (hadrons) } 2\text{jet } X$
$W^\pm 3\text{jet } X$	Hoftun 95 ang, col, et, p, pt	(1800) Fuess 94B cs, et, mass, pt
(1800) Klima 93 cs, pt	Incandela 95 cor, et, mass, p, pt	$e^- e^+ (\text{jets}) 2\text{jet } X$
Leone 92 cs, p	Incandela 95B cor, et, p, pt	(1800) Incandela 95
$W^+ 3\text{jet } X$	$e^+ (\text{jets}) 3\text{jet } X$	cor, et, mass, p, pt
(1800) Kim 95B cor, cs, et, p	(1800) Abachi 95V cor, et, p, pt	Roser 95 cor, et, p, pt
Abachi 94B cs, et	Beretvas 95 ang, col, et, p, pt	Abachi 94B cor, et, p, pt
Graf 94 cs, et	Grassmann 95 et, mass, p	Abachi 94D cor, et, p, pt
Grannis 94 cs, et	Greenlee 95 cor, et, p, pt	Antos 94 col, et, p, pt
Lidemarteanu 94 cs, et	Hoftun 95 ang, col, et, p, pt	Benloch 94 col, et, p, pt
Glicenstein 93 const, cs, et, p	Incandela 95 cor, et, p, pt	Grannis 94 cor, et, pt
$W^- 3\text{jet } X$	$e^+ (\text{jets}) 3\text{jet } X$	Hauger 94B et, mass
(1800) Kim 95B cor, cs, et, p	(1800) Abachi 95V cor, et, p, pt	Jensen 94 col, et, p, pt
Abachi 94B cs, et	Beretvas 95 ang, col, et, p, pt	
Graf 94 cs, et	Grassmann 95 et, mass, p	
Grannis 94 cs, et	Greenlee 95 cor, et, p, pt	
Lidemarteanu 94 cs, et	Hoftun 95 ang, col, et, p, pt	
Glicenstein 93 const, cs, et, p	Incandela 95 cor, et, mass, p, pt	
	Incandela 95B cor, et, p, pt	
	Klima 95 cor, et, p, pt	
	Kopp 95 ang, col, et, p, pt	

$\bar{p} p \rightarrow e^- e^+$ (jets) 2jet X $\bar{p} p \rightarrow \mu^- \mu^+ e^+$ hadron (hadrons) X

$\bar{p} p$	$\bar{p} p$	$\bar{p} p$
$e^- e^+$ (jets) 2jet X Lidemartean 94 cor,et,mass,pt	μ^- 3jet jet < bottom X > X (1800) Grassmann 95 Abe 94Z et,mass,p et,mass,p	$\mu^+ e^-$ (jets) 2jet X Roser 95 cor,et,p,pt Thompson 95
$e^- \bar{\nu}_e$ 3jet X (1800) Shochet 94 et,mass,pt	μ^- 3jet jet < bottom X > X (1800) Grassmann 95 Abe 94Z et,mass,p et,mass,p	Abachi 94B cor,et,p,pt Abachi 94D cor,et,p,pt Antos 94 col,et,p,pt Benlloch 94 col,et,p,pt Grannis 94 cor,et,p,pt Jensen 94 col,et,p,pt Lidemartean 94 cor,et,p,pt
$e^+ \nu_e$ 3jet X (1800) Shochet 94 et,mass,pt	μ^- 4jet X (1800) Abachi 95G et,mass,pt Abe 95K et,mass,pt Abe 94B et,mass,pt Abe 94ZE et,mass,pt Antos 94 cs Chakraborty 94 cs,et,p,pt	$\mu^- e^-$ 3jet X (1800) Abachi 95G et,mass,pt Abe 95K et,mass,pt Leone 94 et,mass,pt
$e^- e^+ \gamma$ hadron (hadrons) X (1800) Abe 94P col,et,mass	μ^+ 3jet jet < bottom X > X (1800) Grassmann 95 Abe 94Z et,mass,p et,mass,p	$\mu^- e^+$ 3jet X (1800) Abachi 95G et,mass,pt Abe 95K et,mass,pt Leone 94 et,mass,pt
$2e^- e^+$ hadron (hadrons) X (1800) Abachi 95X cs,et,p,pt Abachi 95ZO col,et,p,pt	μ^+ 3jet jet < bottom X > X (1800) Grassmann 95 Abe 94Z et,mass,p et,mass,p	$\mu^+ e^-$ 3jet X (1800) Abachi 95G et,mass,pt Abe 95K et,mass,pt Leone 94 et,mass,pt
$e^- 2e^+$ hadron (hadrons) X (1800) Abachi 95X cs,et,p,pt Abachi 95ZO col,et,p,pt	μ^+ 2jet jet < bottom X > jet < bottom X > X (1800) Grassmann 95 Abe 94Z et,mass,p et,mass,p	$\mu^+ e^+$ 3jet X (1800) Abachi 95G et,mass,pt Abe 95K et,mass,pt Leone 94 et,mass,pt
μ^- (jets) 3jet X (1800) Abachi 95V cor,et,p,pt Beretvas 95 ang,col,et,p,pt Grassmann 95 et,mass,p Greenlee 95 cor,et,p,pt Hoftun 95 ang,col,et,p,pt Incandela 95 cor,et,mass,p,pt Incandela 95B cor,et,p,pt Klima 95 cor,et,p,pt Kopp 95 ang,col,et,p,pt Strovink 95 ang,col,et,p,pt Thompson 95 cor,et,p,pt Abe 94Z et,mass,p Grassmann 94 cor,et,p,pt Sphicas 94 ang,col,et,p,pt Tollestrup 94 ang,col,et,p,pt Watts 94 cs,et,pt Williams 94 et,mass,p	μ^+ 4jet X (1800) Abachi 95G et,mass,pt Abe 95K et,mass,pt Abe 94B et,mass,pt Abe 94ZE et,mass,pt Antos 94 cs Chakraborty 94 cs,et,p,pt Jensen 94 cs Leone 94 et,mass,pt	$\mu^+ e^- e^+$ hadron (hadrons) X (1800) Abachi 95X cs,et,p,pt Abachi 95ZO col,et,p,pt
μ^+ (jets) 3jet X (1800) Abachi 95V cor,et,p,pt Beretvas 95 ang,col,et,p,pt Grassmann 95 et,mass,p Greenlee 95 cor,et,p,pt Hoftun 95 ang,col,et,p,pt Incandela 95 cor,et,mass,p,pt Incandela 95B cor,et,p,pt Klima 95 cor,et,p,pt Kopp 95 ang,col,et,p,pt Strovink 95 ang,col,et,p,pt Thompson 95 cor,et,p,pt Abe 94Z et,mass,p Grassmann 94 cor,et,p,pt Sphicas 94 ang,col,et,p,pt Tollestrup 94 ang,col,et,p,pt Watts 94 cs,et,pt Williams 94 et,mass,p	μ^- hadron (hadrons) 2jet X (1800) Fuess 94B cs,et,mass,pt	$\mu^+ e^- e^+$ hadron (hadrons) X (1800) Abachi 95X cs,et,p,pt Abachi 95ZO col,et,p,pt
μ^+ hadron (hadrons) 2jet X (1800) Fuess 94B cs,et,mass,pt	$\mu^\pm \ell$ (jets) 2jet X (1800) Leone 92 col,pt	$2\mu^\pm$ (jets) 2jet X (1800) Campagnari 91 pt
$\mu^\pm e^\pm$ (jets) 2jet X (1800) Barbarogalti 91 ang Campagnari 91 pt	$\mu^- e^+$ (jets) 2jet X (1800) Abachi 95V cor,et,p,pt Greenlee 95 cor,et,p,pt Incandela 95 cor,et,mass,p,pt Klima 95 cor,et,p,pt Roser 95 cor,et,p,pt Thompson 95 cor,et,p,pt Abachi 94B cor,et,p,pt Abachi 94D cor,et,p,pt Antos 94 col,et,p,pt Benlloch 94 col,et,p,pt Grannis 94 cor,et,p,pt Jensen 94 col,et,p,pt Lidemartean 94 cor,et,p,pt	$\mu^- \mu^+$ (jets) 2jet X (1800) Incandela 95 cor,et,mass,p,pt Roser 95 cor,et,p,pt Abachi 94B cor,et,p,pt Abachi 94D cor,et,p,pt Antos 94 col,et,p,pt Benlloch 94 col,et,p,pt Grannis 94 cor,et,p,pt Hauger 94B et,mass Jensen 94 col,et,p,pt Lidemartean 94 cor,et,p,pt
μ^- 2jet jet < bottom X > jet < bottom X > X (1800) Grassmann 95 Abe 94Z et,mass,p et,mass,p	$\mu^+ e^-$ (jets) 2jet X (1800) Abachi 95V cor,et,p,pt Greenlee 95 cor,et,p,pt Incandela 95 cor,et,mass,p,pt Klima 95 cor,et,p,pt Roser 95 cor,et,p,pt Thompson 95 cor,et,p,pt Abachi 94B cor,et,p,pt Abachi 94D cor,et,p,pt Antos 94 col,et,p,pt Benlloch 94 col,et,p,pt Grannis 94 cor,et,p,pt Jensen 94 col,et,p,pt Lidemartean 94 cor,et,p,pt	$\mu^- \bar{\nu}_\mu$ 3jet X (1800) Shochet 94 et,mass,pt
	$\mu^+ \nu_\mu$ 3jet X (1800) Shochet 94 et,mass,pt	$\mu^- \mu^+$ 3jet X (1800) Abachi 95G et,mass,pt Abe 95K et,mass,pt Abe 91K pt
	$2\mu^+$ 3jet X (1800) Abachi 95G et,mass,pt Abe 95K et,mass,pt	$\mu^- \mu^+ \gamma$ hadron (hadrons) X (1800) Abe 94P col,et,mass
	$\mu^- \mu^+ e^-$ hadron (hadrons) X (1800) Abachi 95X cs,et,p,pt Abachi 95ZO col,et,p,pt	$\mu^- \mu^+ e^+$ hadron (hadrons) X (1800) Abachi 95X cs,et,p,pt Abachi 95ZO col,et,p,pt

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$\bar{p} p \rightarrow 2\mu^- \mu^+$ hadron (hadrons) X $\bar{p} p \rightarrow e^+$ (jets) 4jet X

$\bar{p} p$	$\bar{p} p$	$\bar{p} p$
$2\mu^- \mu^+$ hadron (hadrons) X (1800) Abachi 95ZO col,et,p,pt	e^- bottom 3jet X Jensen 94 col,et,mass,p,pt	W^+ 2jet jet < bottom X > jet < bottom X > X (1800) Grassmann 95 et,mass,p Abe 94Z et,mass,p
$\mu^- 2\mu^+$ hadron (hadrons) X (1800) Abachi 95ZO col,et,p,pt	e^+ bottom 3jet X (1800) Antos 94 col,et,mass,p,pt Frisch 94 et,mass,p Jensen 94 col,et,mass,p,pt	W^- 4jet X (1800) Kim 95B cor,cs,et,mass,p Abachi 94B cs,et Grannis 94 cs,et Lidemartean 94 cs,et
$e^- b$ 3jet X (1800) Williams 94 et,mass,p	μ^- bottom 3jet X (1800) Antos 94 col,et,mass,p,pt Frisch 94 et,mass,p Jensen 94 col,et,mass,p,pt	W^- 2jet jet < bottom X > jet < bottom X > X (1800) Grassmann 95 et,mass,p Abe 94Z et,mass,p
$e^+ b$ 3jet X (1800) Williams 94 et,mass,p	μ^+ bottom 3jet X (1800) Antos 94 col,et,mass,p,pt Jensen 94 col,et,mass,p,pt	W^- 3jet jet < bottom X > X (1800) Grassmann 95 et,mass,p Abe 94Z et,mass,p
$e^- \bar{b}$ 3jet X (1800) Williams 94 et,mass,p	μ^- bottom 3jet X (1800) Antos 94 col,et,mass,p,pt Jensen 94 col,et,mass,p,pt	W^- 3jet jet < bottom X > X (1800) Grassmann 95 et,mass,p Abe 94Z et,mass,p
$e^+ \bar{b}$ 3jet X (1800) Williams 94 et,mass,p	μ^+ bottom 3jet X (1800) Antos 94 col,et,mass,p,pt Jensen 94 col,et,mass,p,pt	W^\pm (jets) 4jet (1800) Abe 95J cs,et,mass
$\mu^- b$ 3jet X (1800) Williams 94 et,mass,p	μ^- bottom 3jet X (1800) Antos 94 col,et,mass,p,pt Jensen 94 col,et,mass,p,pt	Z^0 (jets) 3jet X (1800) Abe 96F ang,angp,cor,cs,et Grassmann 95 angp,et,p Abe 94Z angp,et,p
$\mu^+ b$ 3jet X (1800) Williams 94 et,mass,p	μ^+ bottom 3jet X (1800) Antos 94 col,et,mass,p,pt Frisch 94 et,mass,p Jensen 94 col,et,mass,p,pt	W^+ b 3jet X (1800) Williams 94 et,mass,p
$\mu^- \bar{b}$ 3jet X (1800) Williams 94 et,mass,p	5jet X (630) Alitti 91G cs,pt (1800) Abe 95D angp,et,mass,p,pt Geer 95B ang,et,mass,p Geer 94 angp,mass Yu 94 ang,et,mass Giannetti 91 mass	W^- b 3jet X (1800) Williams 94 et,mass,p
$\mu^+ \bar{b}$ 3jet X (1800) Williams 94 et,mass,p	γ 4jet X (1800) Buckleygeer 94 et,mass	W^+ \bar{b} 3jet X (1800) Williams 94 et,mass,p
$e^- \bar{b} b$ 2jet X (1800) Williams 94 et,mass,p	2γ 3jet X (1800) Abe 91I cs	W^- \bar{b} 3jet X (1800) Williams 94 et,mass,p
$e^+ \bar{b} b$ 2jet X (1800) Williams 94 et,mass,p	W^+ (jets) 3jet X (1800) Beretvas 95B et,mass,p,pt Grassmann 95 angp,et,p Abe 94Z angp,et,p	W^+ $\bar{b} b$ 2jet X (1800) Williams 94 et,mass,p
$\mu^- \bar{b} b$ 2jet X (1800) Williams 94 et,mass,p	W^- (jets) 3jet X (1800) Beretvas 95B et,mass,p,pt Grassmann 95 angp,et,p Abe 94Z angp,et,p	W^- $\bar{b} b$ 2jet X (1800) Williams 94 et,mass,p
$\mu^+ \bar{b} b$ 2jet X (1800) Williams 94 et,mass,p	W^\pm 4jet X (1800) Greenlee 93 col,et,mass	5 π X (630 - 900) Neumeister 91 p,pt
$K(\pi^0s) \mu^- \mu^+ e^-$ X (1800) Skarha 94 mass	W^+ 4jet X (1800) Kim 95B cor,cs,et,mass,p Abachi 94B cs,et Grannis 94 cs,et Lidemartean 94 cs,et	Z^0 bottom (jets) 2jet X (1800) Cdfcollabora 94D cs,et
$K(\pi^0s) \mu^- \mu^+ e^+$ X (1800) Skarha 94 mass	W^+ 3jet jet < bottom X > X (1800) Grassmann 95 et,mass,p Abe 94Z et,mass,p	Z^0 bottom (jets) 2jet X (1800) Cdfcollabora 94D cs,et
$K_S 2\mu^- 2\mu^+$ X (1800) Abe 93ZG mass	W^+ 3jet jet < bottom X > X (1800) Grassmann 95 et,mass,p Abe 94Z et,mass,p	e^- (jets) 4jet X (1800) Abachi 94B cor,et,pt Abachi 94D cor,et,p,pt Antos 94 col,et,mass,p,pt Geer 94 cs,et,p,pt Grannis 94 cor,et,pt Jensen 94 col,et,mass,p,pt Lidemartean 94 cor,et,pt Nodulman 94 et,mass,p
$K^+ \pi^+ \pi^- \mu^- \mu^+$ X (1800) Mueller 94 mass,pt Abe 93ZG mass Schneider 93 mass Skarha 93 mass Wenzel 93 mass	W^- 3jet jet < bottom X > X (1800) Grassmann 95 et,mass,p Abe 94Z et,mass,p	e^+ (jets) 4jet X (1800) Abachi 94B cor,et,pt Abachi 94D cor,et,p,pt Antos 94 col,et,mass,p,pt Geer 94 cs,et,p,pt Grannis 94 cor,et,pt Jensen 94 col,et,mass,p,pt Lidemartean 94 cor,et,pt Nodulman 94 et,mass,p
$K^+ 2\pi^- \mu^- \mu^+$ X (1800) Byrum 94 mass,pt	W^+ 3jet jet < bottom X > X (1800) Grassmann 95 et,mass,p Abe 94Z et,mass,p	
$K^- 2\pi^+ \mu^- \mu^+$ X (1800) Byrum 94 mass,pt		
$K_S \pi^+ \pi^- \mu^- \mu^+$ X (1800) Mueller 94 mass,pt Abe 93ZG mass Schneider 93 mass Skarha 93 mass Wenzel 93 mass		
$K^+ K^- \pi^- \mu^- \mu^+$ X (1800) Cdfcollabora 94B mass,pt		
e^- bottom 3jet X (1800) Antos 94 col,et,mass,p,pt Frisch 94 et,mass,p Jensen 94 col,et,mass,p,pt		
e^+ bottom 3jet X (1800) Antos 94 col,et,mass,p,pt Jensen 94 col,et,mass,p,pt		
e^- bottom 3jet X (1800) Antos 94 col,et,mass,p,pt		

$\bar{p} p \rightarrow e^+$ (jets) 4jet X $\bar{p} p \rightarrow \text{meson}^0$

$\bar{p} p$	$\bar{p} p$	$\bar{p} p$
e^+ (jets) 4jet X Lidemartean 94 Nodulman 94 Königsberg 94 Shochet 94 Königsberg 94 Shochet 94 $e^- \bar{\nu}_e$ 4jet X (1800) $e^+ \nu_e$ 4jet X (1800) $e^- e^+$ hadron (hadrons) 2jet X (1800) Beretvas 95 Hoftun 95 Kopp 95 Strovink 95 Wimpenny 95 Fuess 94B Sphicas 94 Tollestrup 94 μ^- (jets) 4jet X (1800) Abachi 94B Abachi 94D Antos 94 Geer 94 Grannis 94 Jensen 94 Lidemartean 94 Nodulman 94 μ^+ (jets) 4jet X (1800) Abachi 94B Abachi 94D Antos 94 Geer 94 Grannis 94 Jensen 94 Lidemartean 94 Nodulman 94 $\mu^- e^-$ (jets) 3jet X (1800) Abachi 94B Grannis 94 Lidemartean 94 Raja 94 $\mu^- e^+$ (jets) 3jet X (1800) Abachi 94B Grannis 94 Lidemartean 94 $\mu^+ e^-$ (jets) 3jet X (1800) Abachi 94B Grannis 94 Lidemartean 94 $\mu^+ e^+$ (jets) 3jet X (1800) Abachi 94B Grannis 94 Lidemartean 94 Raja 94	$\mu^- e^+$ hadron (hadrons) 2jet X (1800) Beretvas 95 Hoftun 95 Kopp 95 Strovink 95 Wimpenny 95 Sphicas 94 Tollestrup 94 $\mu^+ e^-$ hadron (hadrons) 2jet X (1800) Beretvas 95 Hoftun 95 Kopp 95 Strovink 95 Wimpenny 95 Sphicas 94 Tollestrup 94 $\mu^- \bar{\nu}_\mu$ 4jet X (1800) Königsberg 94 Shochet 94 $\mu^+ \nu_\mu$ 4jet X (1800) Königsberg 94 Shochet 94 $\mu^- \mu^+$ hadron (hadrons) 2jet X (1800) Beretvas 95 Hoftun 95 Kopp 95 Strovink 95 Wimpenny 95 Fuess 94B Sphicas 94 Tollestrup 94 $K^+ \pi^+ 2\pi^- \mu^- \mu^+$ X (1800) Mueller 94 Abe 93ZG Schneider 93 Skarha 93 Wenzel 93 $K_S 2\pi^+ \pi^- \mu^- \mu^+$ X (1800) Mueller 94 Abe 93ZG Schneider 93 Skarha 93 Wenzel 93 $e^- e^+$ bottom (jets) 2jet X (1800) Cdfcollabora 94D $e^- e^+$ bottom (jets) 2jet X (1800) Cdfcollabora 94D $\mu^- \mu^+$ bottom (jets) 2jet X (1800) Cdfcollabora 94D $\mu^- \mu^+$ bottom (jets) 2jet X (1800) Cdfcollabora 94D θ jet X (630) Alitti 91G	θ jet X (1800) Abe 95D angp,et,mass,p,pt Cdfcollabora 94C et,mass,p Geer 94 Yu 94 ang,et,mass γ 5jet X (1800) Buckleygeer 94 5 γ neutral (neutrals) 0 Amsler 94G Faessler 94 $\theta\gamma$ X 0 Amsler 93B W^+ 5jet X (1800) Abachi 94B Grannis 94 Lidemartean 94 W^- 5jet X (1800) Abachi 94B Grannis 94 Lidemartean 94 Z^0 (jets) 4jet X (1800) Abe 96F $W^\pm \bar{b}$ (jets) 3jet X + $W^\pm b$ (jets) 3jet X (1800) Greenlee 93 $2\pi^+ 2\pi^0 2\pi^- (\pi^0\text{'s})$ 0 Adler 94 $\mu^- e^+ \nu \bar{\nu}$ 3jet X (1800) Königsberg 94 e^- bottom (jets) 4jet X (1800) Geer 94 e^+ bottom (jets) 4jet X (1800) Geer 94 e^- bottom (jets) 4jet X (1800) Geer 94 e^+ bottom (jets) 4jet X (1800) Geer 94 μ^- bottom (jets) 4jet X (1800) Geer 94 μ^+ bottom (jets) 4jet X (1800) Geer 94 μ^- bottom (jets) 4jet X (1800) Geer 94 μ^+ bottom (jets) 4jet X (1800) Geer 94 7jet X (1800) Cdfcollabora 94C γ 6jet X (1800) Buckleygeer 94 6 γ neutral (neutrals) 0 Faessler 94 $2\mu^+ e^- \nu \bar{\nu}$ 3jet X (1800) Königsberg 94 8jet X (1800) Cdfcollabora 94C 9jet X (1800) Cdfcollabora 94C meson ⁰ 0.8973 - 3.308 Hasan 94

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$\bar{p} p \rightarrow f_4(2050)$ $\bar{p} p \rightarrow \eta' \eta$

$\bar{p} p$	$\bar{p} p$	$\bar{p} p$
$f_4(2050)$ 0.8973 - 3.308 Hasan 94	$e^- e^+$?	$\pi^+ \pi^-$ Adler 91 cs Amsler 91 cs Gastaldi 91 cs Adamo 92 cs Bardin 94 angp,cs Hasan 92 angp,cs,asymp,cs,pwa
$f_4(2220)$ 1.2 - 2 Hertzog 92 1.3 - 1.57 Barnes 93	2jet (1800) Abachi 95ZC cor,p Harris 95B angp,mass Harris 94 angp	< 0.1 0.3 - 0.9 0.36 - 1.55 0.8973 - 3.308 5.9 6
$\eta_c(1S)$ 2.98 Pordes 93 cs (2.9 - 3.5) Cester 94 (2.98) Gollwitzer 94 cs Ray 93 cs (2.988) Armstrong 95 cs (2.997) Menichetti 94	hadron ⁺ hadron ⁻ 0.3 - 0.9 Bardin 92 angp 0.54 - 0.9 Bardin 91 angp,cs	0.8973 - 3.308 Hasan 94 angp,cs,pwa White 94B angp Appel 91 cs
$h_c(1P)$ (3.52 - 3.53) Tuan 92 cs (3.526) Garbincius 94 Gollwitzer 94 cs Menichetti 94	γ jet (1800) Harris 94 cs,pt	$\eta \gamma$ 0 Amsler 94B cs Amsler 94J cs,p Amsler 93D cs
$J/\psi(1S)$ 3.097 Pordes 93 cs (3 - 3.6) Spiegel 91 cs (3.096 - 3.098) Ray 92 cs (3.096) Menichetti 94 (3.097) Gollwitzer 94 cs Ray 93 cs Cester 94 cs	2 γ 0 Amsler 94B cs Amsler 94J cs,p Amsler 93D cs Amsler 91 cs Pordes 93 cs Gollwitzer 94 cs Cester 94 cs (2.9 - 3.5) Menichetti 94 angp,cs (2.91 - 3.69) Armstrong 95 angp,cs 3.888 - 6.937 Ray 93 cs,mass (3.523 - 3.686) Armstrong 93E cs	η meson ⁰ 1.94 Amsler 94E Ravndal 94 (2.98 - 3.526) Armstrong 94
$\chi_{c1}(1P)$ 3.51 Pordes 93 cs (3 - 3.6) Spiegel 91 cs (3.5 - 3.6) Cester 94 cs (3.509 - 3.512) Lipton 92 cs Ray 92 cs Menichetti 94 Ray 93 cs Armstrong 91B (3.511) Gollwitzer 94 cs (3.55 - 3.566) Armstrong 91D	W^\pm jet (1800) Abe 94G angp Harris 94 angp	$\eta \pi^0$ 0 Piccinini 94 cs Amsler 93 cs Amsler 93D cs Amsler 92C cs,p Amsler 91 cs
$\chi_{c2}(1P)$ 3.555 Pordes 93 cs (3 - 3.6) Spiegel 91 cs (3.5 - 3.6) Cester 94 cs (3.54 - 3.566) Ray 92 cs (3.55 - 3.566) Armstrong 91D (3.554 - 3.565) Lipton 92 cs (3.555) Gollwitzer 94 cs Armstrong 93E cs Menichetti 94 Armstrong 93D Ray 93 cs Gollwitzer 94 cs Armstrong 91B (5.56)	lepto-quark lepto-quark (1800) Cobal 93 cs	2 η 0 Amsler 93 cs Amsler 92C cs,p Amsler 91 cs
$\eta_c(2S)$ (2.9 - 3.5) Cester 94 (3.59) Gollwitzer 94 cs Armstrong 95 cs	$\bar{t} t$ (1800) Abe 95J cs,et,mass Abe 93ZI cs Kuhlmann 91 cs	$\rho^+ \pi^-$ 0 Ableev 94 cs Amsler 91 cs
$\psi(2S)$ 3.685 Pordes 93 cs (3 - 3.6) Spiegel 91 cs (3.67) Cester 94 cs Armstrong 91B (3.685 - 3.688) Ray 92 cs (3.686) Gollwitzer 94 cs Menichetti 94	$\bar{q} \bar{q}$ (1800) Kuhlmann 91 cs	$\rho^0 \pi^0$ 0 Adler 95F cs Ableev 94 cs Amsler 93C Adamo 92B Amsler 91 cs
$\chi_c(\text{unspec})$ (3.5 - 3.55) Cester 94 cs (3.52 - 3.53) Cester 94 cs	$\pi^0 \gamma$ 0 Amsler 94B cs Amsler 94J cs,p Amsler 93D cs Amsler 91 cs	$\rho^- \pi^+$ 0 Ableev 94 cs Amsler 91 cs
$e^- e^+$ 0 Amsler 91 cs (1.877 - 2.06) Gastaldi 91 cs 0.15 - 0.3 Bardin 91B angp,cs 0.3 - 0.9 Bardin 94 angp,cs Bardin 92 angp,cs 0.54 - 0.9 Bardin 91 angp,cs (2.5 - 4) Pordes 93 cs (2.5 - 6.5) Cester 94 cs (2.95 - 4) Cester 94 cs (3 - 3.6) Cester 94 cs Armstrong 92D cs (3.096 - 3.686) Menichetti 94 cs,mass (3.55) Armstrong 92G ang,cs	$\pi^+ \text{meson}^-$ 1.94 Amsler 94E $\pi^0 \text{meson}$ 0 Anisovich 95 cs $\pi^0 \text{meson}^0$ 0 Amsler 95E cs Ableev 94 cs Amsler 94 cs Amsler 94B Amsler 94H cs Amsler 94J Brose 94 Felix 94 cs Spanier 94 Zenoni 94 Adamo 92B Peters 92 Amsler 94E Ravndal 94 (2.98 - 3.526) Armstrong 94 $\pi^- \text{meson}^+$ 1.94 Amsler 94E 2 π^0 0 Ableev 94B cs Agnello 94 cs Piccinini 94 cs Amsler 93D cs Amsler 92D cs Amsler 91 cs 0.6 - 1.94 Ravndal 94 amp,angp 0.8973 - 3.308 Hasan 94 angp,cs,pwa 2.814 - 3.432 Baglin 92 angp,cs $\pi^+ \pi^-$ 0 Ableev 94B cs Ableev 94C ang,cs,p Ableev 94E cs Amsler 93 cs Ruf 92 cs	$\rho^0 \eta$ 0 Amsler 91 cs 2 ρ^0 0 Amsler 91 cs $\omega \gamma$ 0 Amsler 94B cs Amsler 94J cs,p Amsler 93D cs $\omega \pi^0$ 0 Amsler 93 cs Amsler 93D cs Amsler 91 cs Amsler 91B cs $\omega \eta$ 0 Amsler 93 cs Amsler 92C cs,p Amsler 91 cs Amsler 91B cs $\omega \rho^0$ 0 Adler 95F cs Weidenauer 93 cs Amsler 91 cs 2 ω 0 Amsler 93 cs Amsler 91 cs $\eta' \gamma$ 0 Amsler 94B cs Amsler 94J cs,p Amsler 93D cs $\eta' \pi^0$ 0 Amsler 93 cs Amsler 93D cs Amsler 92C cs,p Amsler 91 cs $\eta' \eta$ 0 Amsler 93 cs

$\bar{p} p \rightarrow \eta'$ $\bar{p} p \rightarrow 2\phi(1020)$

$\bar{p} p$	$\bar{p} p$	$\bar{p} p$
$\eta' \eta$	$a_0(1320)^0 \pi^0$	$K^+ K^-$
Amsler 92C Amsler 91	0 Anisovich 95 Amsler 94H	0 Ableev 94B Ableev 94C Amsler 93 Ruf 92 Adler 91 Amsler 91 Gastaldi 91 Adamo 92 Bardin 94 Hasan 92
cs,p cs	cs cs	cs ang,cs,p cs cs cs cs angp,cs
$\eta' \rho^0$	$a_2(1320)^+ \pi^-$	< 0.1
0 Amsler 91	0 Amsler 91	0.3 - 0.9 Bardin 94 0.36 - 1.55 Hasan 92
cs	cs	angp,asym,cs,pwa angp cs
$\eta' \omega$	$a_2(1320)^0 \pi^0$	5.9 White 94B
0 Amsler 93 Amsler 92C	0 Amsler 91B Amsler 94E Ravndal 94	6 Appel 91
cs cs,p	cs cs	cs angp cs
$f_0(975) \pi^0$	$a_2(1320)^- \pi^+$	$2K_S$
0 Amsler 95 Amsler 94J Ravndal 94 (2.98 - 3.526) Armstrong 94	0 Amsler 91 $a_2(1320)^0 \eta$ 1.94 Amsler 94E Ravndal 94 (2.98 - 3.526) Armstrong 94	0 1.3 - 1.57 Gastaldi 91 Barnes 93
cs cs cs,p cs	cs cs cs cs	cs angp,cs
$f_0(975) \eta$	$a_2(1320)^0 \omega$	$K_S K_L$
0 Spanier 94 Amsler 91B	0 Amsler 94B Amsler 94F Amsler 94E Ravndal 94	0 Amsler 95C Ableev 94B Gastaldi 91
cs	cs	cs cs cs
$a_0(980)^+ \pi^-$	$h_1(1380) \pi^0$	$K^*(892)^+ K^-$
0 Amsler 91	0 Amsler 94F	0 Amsler 91
cs	cs	cs
$a_0(980)^0 \pi^0$	$f_0(1400) \pi^0$	$K^*(892)^0 \bar{K}^0$
0 Anisovich 95 Amsler 94H Amsler 94J Spanier 94 Amsler 91B	0 Amsler 94F	0 Amsler 94J Faessler 94
cs cs cs cs	cs	cs cs
$a_0(980)^- \pi^+$	$\rho(1450)^0 \pi^0$	$K^*(892)^0 K_S$
0 Amsler 91	0 Amsler 94B Amsler 93C	0 Amsler 93B
cs	cs	cs
$a_0(980)^0 \eta$	$f_2(1520) \pi^0$	$K^*(892)^0 K_L$
0 Amsler 91B Amsler 94E Ravndal 94 (2.98 - 3.526) Armstrong 94	0 Amsler 95 Weidenauer 93 Hertzog 92 Aker 91 Amsler 91 Amsler 91B Gastaldi 91 (2.98 - 3.526) Armstrong 94	0 Amsler 93B
cs cs cs cs	cs cs cs cs cs cs cs	cs cs
$a_0(980)^0 \omega$	$f_2(1520) \eta$	$\bar{K}^*(892)^0 K^0$
0 Amsler 94B Amsler 94F	(2.98 - 3.526) Armstrong 94	0 Amsler 94J Faessler 94 Amsler 91
cs cs	cs	cs cs cs
$b_1(1235)^+ \pi^-$	$f_0(1525) \pi^0$	$K^*(892)^- K^+$
0 Weidenauer 93 Amsler 91	0 Amsler 95E Anisovich 95 Amsler 94I Anisovich 94	0 Amsler 91
cs cs	cs cs	cs
$b_1(1235)^0 \pi^0$	$f_2'(1525) \pi^0$	$\bar{K}^*(892)^0 K_S$
0 Amsler 94B Amsler 94J Amsler 93C	0 Anisovich 95 Anisovich 94	0 Amsler 93B
cs cs cs	cs cs	cs cs
$b_1(1235)^- \pi^+$	$f_0(1590) \pi^0$	$\bar{K}^*(892)^0 K_L$
0 Weidenauer 93 Amsler 91	0 Hertzog 92 Amsler 91B	0 Amsler 93B
cs cs	cs cs	cs cs
$b_1(1235)^0 \eta$	$\omega(1420) \pi^0$	$K^*(892)^0 \bar{K}^*(892)^0$
0 Amsler 94B Amsler 94F	0 Amsler 94B Amsler 94F	0 Felix 94 Amsler 91
cs cs	cs cs	cs cs
$b_1(1235)^0 \omega$	$\omega(1600) \pi^0$	$K^*(892)^+ K^*(892)^-$
1.94 Amsler 94E	0 Amsler 94B Amsler 94F	0 Amsler 91
cs	cs cs	cs
$f_0(1240) \pi^0$	$f_2(1640) \pi^0$	$\phi(1020) \gamma$
(2.98 - 3.526) Armstrong 94	1.94 Amsler 94E	0 Amsler 95C Faessler 94 Sapozhnikov 94B
cs	cs	cs cs cs
$f_2(1270) \pi^0$	$f_J(1710) \pi^0$	$\phi(1020) \pi^0$
0 Adler 95F Anisovich 95 Ableev 94 Amsler 94 Amsler 94J Anisovich 94 Adamo 92B Peters 92 Aker 91 Amsler 91 Ravndal 94 (2.98 - 3.526) Armstrong 94	0 Anisovich 95 Anisovich 94 (2.98 - 3.526) Armstrong 94	0 Ableev 95C Amsler 95C Amsler 94B Amsler 94J Amsler 94J Faessler 94 Amsler 93B Amsler 91 Amsler 91B
cs cs cs cs cs cs cs cs cs cs cs	cs cs cs	cs cs cs cs cs cs cs
$f_2(1270) \eta$	$f_2(1810) \pi^0$	$\phi(1020) \eta$
0 Adler 95F Amsler 94E	0 Aker 91	0 Ableev 95C Amsler 94B Amsler 94J Faessler 94 Amsler 93B Amsler 91 Amsler 91B
cs cs	cs	cs cs cs cs cs cs
$f_2(1270) \rho^0$	$X(1910) \pi^0$	$\phi(1020) \omega$
0 Amsler 91	1.94 Amsler 94E	0 Amsler 91
cs	cs	cs
$f_2(1270) \omega$	$a_4(2040)^0 \eta$	$2\phi(1020)$
0 Amsler 94B Amsler 94J Amsler 93C Amsler 91	(2.98 - 3.526) Armstrong 94 $f_4(2050) \pi^0$ (2.98 - 3.526) Armstrong 94 $K^0 \bar{K}^0$ 0 Amsler 91	(1.96 - 2.43) Harris 91B 1.4 Bertolotto 95 1.5 Hamann 92 1.6 - 2.2 Bertolotto 94 2.1 - 2.4 Bertolotto 94 2.15 - 2.43 Steinkamp 94 (3) Bertolotto 94
cs cs cs cs	cs cs cs cs cs	cs angp,cs cs cs angp,cs angp,cs angp,cs

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$\bar{p} p \rightarrow \phi(1680) \pi^0$ $\bar{p} p \rightarrow 2\rho^0 \pi^0$

$\bar{p} p$	$\bar{p} p$	$\bar{p} p$
$\phi(1680) \pi^0$ 0 Amsler 94B cs Amsler 94F cs	$p \bar{p}$ Augier 94 cs Haguenauer 94 cs	$3\pi^0$ Anisovich 95 mass,pwa Amsler 94B - Amsler 94G cs Amsler 94J cor,mass,pwa
$\eta_c(1S) \gamma$ 3-7 (3.5-3.6) Gollwitzer 94 cs Cester 94 cs,mass	(541-546) Augier 93 amp,angp Kawasaki 95 amp,angp (546) Pumplin 92 amp,angp (546-1800) Abe 93S cs Abe 93U angp,cs Belforte 93 angp,cs Belforte 93B angp,cs Chiarelli 93 angp,cs Amos 92 angp Rubinstein 93 amp,angp,cs	Anisovich 94 mass,pwa Brose 94 amp,cor,mass Zenoni 94 mass Peters 92 mass,pwa Aker 91 mass,pwa Amsler 91B mass Gastaldi 91 mass Ravndal 94 mass Armstrong 94 mass,pwa
$J/\psi(1S) \gamma$ 3.888-6.937 (3.5-3.6) Ray 93 cs,mass Cester 94 angp,cs	(1020) Pumplin 92 angp (1800) Amos 91 angp Amos 91B amp,angp,cs Rubinstein 91 amp,angp,cs	(3.1) Armstrong 93B mass Smith 92C mass Burchell 92 -
$J/\psi(1S) < e^- e^+ > \gamma$ (3.285-3.825) Armstrong 93D amp,angp	(1020) Shukla 91 amp,angp,cs (1800) Shukla 91B amp,angp,cs White 91 cs	$\pi^+ \pi^0 \pi^-$ 0 Ableev 94 cs,mass,pwa Piccinini 94 mass Zenoni 94 mass Amsler 91 cs,mass Gastaldi 91 mass Masoni 94 cs,mass Burchell 92 -
$J/\psi(1S) \pi^0$ 3-7 (3.5-3.6) Gollwitzer 94 cs Cester 94 cs,mass (3.523-3.686) Garbincius 94 cs (3.526) Menichetti 94 cs	$\bar{p} N(1440 P_{11})^+$ 32 Boos 90B cs $p \bar{N}(1440 P_{11})^-$ 32 Boos 90B cs	< 0.05 ? $\eta 2\pi^0$ 0 Amsler 95E angp,cs,mass,mass,pwa Anisovich 95 mass,pwa Amsler 94 cs Amsler 94B mass Amsler 94G cs Amsler 94H mass,pwa Amsler 94J cor,mass,pwa Spanier 94 cor,mass,pwa Peters 92 mass,pwa Amsler 91B mass Amsler 94E mass Ravndal 94 mass Armstrong 94 mass,pwa Armstrong 93B mass
π^0 exotic-meson 1.94 Amsler 94E -	$\Lambda \bar{\Lambda}$ 1.434-1.451 Barnes 94 angp,cs 1.436-1.919 Eisenstein 94 angp,cs,pol 1.439-1.456 Carbonell 93 angp,cs,pol 1.475-1.695 Deswart 94 angp,cs,pol,pwa 1.546-1.695 Barnes 90B angp,cs,pol 1.65 Amsler 91 angp,cs,pol	$\eta 2\pi^0$ 0 Amsler 95E angp,cs,mass,mass,pwa Anisovich 95 mass,pwa Amsler 94 cs Amsler 94B mass Amsler 94G cs Amsler 94H mass,pwa Amsler 94J cor,mass,pwa Spanier 94 cor,mass,pwa Peters 92 mass,pwa Amsler 91B mass Amsler 94E mass Ravndal 94 mass Armstrong 94 mass,pwa Armstrong 93B mass
$\pi^0 C(1480)^0$ 0 Amsler 93C -	$\Lambda \bar{\Sigma}^0 + \bar{\Lambda} \Sigma^0$ 1.65 Amsler 91 angp,cs,pol 1.692 Eisenstein 94 angp,cs	1.94 (2.98-3.526) Armstrong 94 mass,pwa Armstrong 93B mass
baryonium γ 0 Amsler 91 p	$\Lambda \bar{\Sigma}^0$ 1.65 Amsler 91 angp,cs,pol	$\eta \pi^+ \pi^-$ 0 Amsler 95B cs Amsler 94 cs Amsler 94B - Amsler 94D cs Wiedner 94 cs Amsler 91 cs,mass Amsler 91B -
$n \bar{n}$ 0.1-1.55 Bradamante 91 angp,cs,pol 0.18-0.6 Bradamante 94 angp,cs Amsler 91 cs 0.287 Bruckner 91B angp Bruckner 91C angp 0.306 Felicciello 94 p 0.39-0.78 Bradamante 94 angp,cs 0.4-0.9 Timmermans 91 pwa 0.5-1.5 Bradamante 94 angp,pol 0.546-0.875 Ahmidouch 95B angp,pol Birs 91 angp,pol Ahmidouch 95 angp Birs 93B angp,pol 0.6-0.9 Dallatorreco 92 angp,pol 0.6-1.3 Amsler 91 angp,pol 0.601-1.202 Bradamante 95 angp,const Birs 94 angp Bradamante 94 angp,const 0.875 Lamanna 94 angp,asym,pol Birs 93 angp,pol < 0.925 Deswart 94 angp,cs,pol,pwa Timmermans 94 angp,cs	$\Sigma^+ \bar{\Sigma}^-$ 1.924 Eisenstein 94 angp,cs $\gamma (\bar{p}p)_{atom}$ 0 Amsler 91 p $\omega (\pi\pi)_{L=0}$ 0 Amsler 93C - $e^- e^+ \gamma$ (2.5-4) Pordes 93 cs 3.888-6.937 Ray 93 cs,mass (3.5-3.6) Cester 94 amp,cs,mass (3.55-3.566) Armstrong 91D mass	$2\eta \pi^0$ 0 Amsler 95E angp,cs,mass,mass,pwa Amsler 95H mass,pwa Anisovich 95 mass,pwa Anisovich 94 mass,pwa Zenoni 94 mass Amsler 92B mass,pwa Peters 92 mass,pwa Amsler 91B mass Gastaldi 91 mass Amsler 94E mass Ravndal 94 mass Armstrong 93 cs,mass Armstrong 94 mass,pwa Burchell 92 -
$p \bar{p}$ 0.0136 Vanoers 93 asym Eversheim 91 asym 0.1-1.55 Bradamante 91 angp,cs,pol 0.18-1.5 Amsler 91 angp,cs 0.181 Bruckner 91B angp 0.181-0.59 Bruckner 91B cs Bruckner 91C angp 0.287 Bruckner 91B angp Bruckner 91C angp 0.439-0.544 Perrotkunne 91 angp,pol 0.439-1.55 Amsler 91 angp,pol 0.679-1.55 Kunne 91 angp,asym,pol < 0.8828 Stoks 92 const < 0.925 Deswart 94 angp,cs,pol,pwa Timmermans 94 angp,cs 5.9 White 94B angp 6 Appel 91 cs 10 Appel 91 cs (541) Kawasaki 95 amp,angp	$3\pi^0$ 0 Amsler 95 cor,mass,pwa Amsler 95E angp,cs,mass,mass,pwa	$2\eta \pi^0$ 0 Amsler 95E angp,cs,mass,mass,pwa Amsler 95H mass,pwa Anisovich 95 mass,pwa Anisovich 94 mass,pwa Zenoni 94 mass Amsler 92B mass,pwa Peters 92 mass,pwa Amsler 91B mass Gastaldi 91 mass Amsler 94E mass Ravndal 94 mass Armstrong 93 cs,mass Armstrong 94 mass,pwa Burchell 92 - 3η 1.94 Amsler 94E mass Ravndal 94 mass (2.95-3.62) Armstrong 93 cs,mass (2.98-3.526) Armstrong 94 mass,pwa Burchell 92 - $\rho^0 2\pi^0$ 0 Adler 95F cs $2\rho^0 \pi^0$ 0 Zenoni 94 mass

$$\bar{p} p \rightarrow \rho^+ \rho^- \pi^0$$

$$\bar{p} p \rightarrow 2\pi^+ \pi^0 2\pi^-$$

$\bar{p} p$			$\bar{p} p$			$\bar{p} p$			
$\rho^+ \rho^- \pi^0$			$K_S K_L \pi^0$			$4\pi^0$			
0	Amsler 94	mass	0	Amsler 95C	cs,mass		Amsler 93	mass	
	Amsler 94B	mass		Amsler 94B	mass	$2\pi^+ 2\pi^-$			
	Zenoni 94	mass		Amsler 94J	cor,mass	0	Adler 94	angp,cor	
$\omega 2\pi^0$			$K^+ K^- \eta$	Faessler 94	cs,mass	1.3 - 1.57	Barnes 93	mass	
0	Amsler 94	cs	0	Amsler 93B	cs,mass				
	Amsler 94B	mass				$\eta 2\pi^0 \gamma$			
	Amsler 94J			Ableev 95C	amp,ang,mass,p	1.94	Ravndal 94	cor,mass	
	Amsler 93C	cor,mass,pwa	$K_S K_L \eta$			0			
1.94	Ravndal 94	cs,mass,pwa	0	Amsler 94B	mass	$2\eta 2\pi^0$			
		cor,mass		Amsler 94J	cor,mass	0	Amsler 93	mass	
$\omega \pi^+ \pi^-$			$K^*(892)^0 \bar{K}^0 \pi^0$	Amsler 93B	cs,mass	$\rho^0 3\pi^0$			
0	Weidenauer 93	cs	0	Felix 94	cs	0	Adler 95F	cs	
$\omega \eta \pi^0$			$\bar{K}^*(892)^0 K^0 \pi^0$			1.94	Ravndal 94	cor,mass	
0	Amsler 94B	mass	0	Felix 94	cs	$a_0(980)^+ \pi^+ 2\pi^-$			
	Amsler 94F	cs,mass,pwa				0	Amsler 91	mass	
1.94	Amsler 94E	mass	$\phi(1020) 2\pi^0$			$a_0(980)^- 2\pi^+ \pi^-$			
$2\omega \pi^0$			0	Felix 94	cs	0	Amsler 91	mass	
1.94	Amsler 94E	mass	$K^+ K^- \phi(1020)$			$K^+ K^- \pi^+ \pi^-$			
	Ravndal 94	cor,mass	1.4	Bertolotto 95	angp,cs	0	Adler 94	angp,cor	
$\eta' \pi^+ \pi^-$			2.1 - 2.4	Bertolotto 94	mass	0.4 - 0.67	Fukuhisa 92	cs	
0	Amsler 91	cs,mass	$J/\psi(1S) 2\pi^0$			$K_S K_L 2\pi^0$			
$\eta' \eta \pi^0$			3 - 7	Gollwitzer 94	cs	0	Felix 94	mass,pwa	
0	Amsler 94I	ang,cor,mass	$J/\psi(1S) \pi^+ \pi^-$			$2K^+ 2K^-$			
			3 - 7	Gollwitzer 94	cs	(1.96 - 2.43)	Harris 91B	mass	
$f_1(1420) \pi^+ \pi^-$			(3.5 - 3.6)	Cester 94	cs,mass	1.4	Bertolotto 95	angp,cs,mass	
0	Gastaldi 91	-	$DD < \bar{n} \pi^- > p$			1.5	Hamann 92	mass	
$\eta(1440) 2\pi^0$			22.4	Dementiev 94	angp,cs,mass	1.6 - 2.2	Bertolotto 94	mass	
0	Amsler 95F	cs	$DD < p \pi^0 > \bar{p}$			2.1 - 2.4	Bertolotto 94	mass	
$\eta(1440) \pi^+ \pi^-$			22.4	Dementiev 94	angp,cs,mass	2.15 - 2.43	Steinkamp 94	mass	
0	Amsler 95F	cs	$DD < \bar{p} \pi^0 > p$			(3)	Bertolotto 94	mass	
	Bertin 95	-	22.4	Dementiev 94	angp,cs,mass	$p \bar{p} \pi^+ \pi^-$			
$K^+ K^- \gamma$			$p \bar{p} \omega$			1.9	Bertolotto 95	cs	
0	Amsler 95C	cs,mass	32	Boos 90B	cs	$DD < p \pi^+ \pi^- > \bar{p}$			
	Gastaldi 91	cs	$\bar{p} \Delta(1232 P_{33})^{++} \pi^-$			22.4	Dementiev 94	angp,cs,mass	
$2K_S \gamma$			32	Boos 90B	cs	$DD < \bar{p} \pi^+ \pi^- > p$			
0	Gastaldi 91	cs	$p \bar{\Delta}(1232 P_{33})^{--} \pi^+$			22.4	Dementiev 94	angp,cs,mass	
$K_S K_L \gamma$			32	Boos 90B	cs	$p \bar{p} \pi^+ \pi^-$			
0	Amsler 95C	cs,mass	$\pi^0 2(\pi\pi)_{L=0}$			1.434 - 1.451	Barnes 94	mass	
	Faessler 94	cs,mass	0	Amsler 94B	mass	1.439 - 1.456	Carbonell 93	mass	
	Gastaldi 91	cs	$2\pi^0 e^- e^+$	Zenoni 94	mass	1.546 - 1.695	Barnes 90B	mass	
$K^+ \bar{K}^0 \pi^-$			3 - 7			32	Boos 90B	ang,col,mass,p	
0	Adler 96	-	$\pi^+ \pi^- e^- e^+$	Gollwitzer 94	cs,mass				
	Adler 96B	mass	3 - 7			5hadron			
	Adler 95C	mass	3.888 - 6.937	Gollwitzer 94	cs,mass	22.4	Dementiev 94	col	
	Adler 95D	mass	(3.5 - 3.6)	Ray 93	cs,mass	5\gamma			
	Adler 95E	mass	4hadron	Cester 94	cs,mass	0	Amsler 94B	mass,p	
	Adler 94B	-	22.4				Faessler 94	cs,mass	
	Angelopoulos 92	-	4\gamma	Dementiev 94	col		Amsler 93	mass	
	Guyot 92	-	0			$2\pi^0 3\gamma$	Amsler 93D	-	
	Ruf 92	mass	$2\pi^0 \gamma$ neutral			0	Amsler 92C	mass	
$K^+ \bar{K}^0 \pi^- + K^0 K^- \pi^+$			0			0	Amsler 94B	mass	
0	Adler 95	mass	$\pi^+ \pi^- 2\gamma$			$3\pi^0 2\gamma$			
$K^+ K^- \pi^0$			0			0	Amsler 94F	mass	
0	Ableev 95C	amp,ang,mass,p	$\pi^+ \pi^- \pi^-$			0	Amsler 93	mass	
	Amsler 95C	cs,mass	0			$\pi^+ 3\pi^0 \pi^-$			
	Zenoni 94	mass	$2\pi^0 \gamma$			0	Amsler 94	cs,mass,pwa	
	Masoni 94	cs,mass	0			0	Amsler 94B	mass	
< 0.05			$3\pi^0 \gamma$			$2\pi^+ \pi^0 2\pi^-$			
$K^0 K^- \pi^+$			0			0	Adler 94	angp,cor	
0	Adler 96	-	1.94	Amsler 94B	mass		Amsler 94B	mass	
	Adler 96B	mass	$4\pi^0$	Amsler 93C	mass,p		Amsler 94D	cs,mass	
	Adler 95C	mass	0	Ravndal 94	cor,mass		Wiedner 94	mass	
	Adler 95D	mass					Zenoni 94	mass	
	Adler 95E	mass					Weidenauer 93	mass	
	Adler 94B	-							
	Angelopoulos 92	-							
	Guyot 92	-							
	Ruf 92	mass							
$K^+ K_S < \pi^+ \pi^- > \pi^-$									
0	Adler 94	angp,cor							
$K_S < \pi^+ \pi^- > K^- \pi^+$									
0	Adler 94	angp,cor							

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

\bar{p} deuteron $\rightarrow p f_0(975) \pi^-$

$\bar{p}^{12}\text{C} \rightarrow {}^3\text{H} X$

\bar{p} deuteron			$\bar{p}^4\text{He}$			$\bar{p}^6\text{Li}$		
$p f_0(975) \pi^-$ 0	Strassburger 94	-	X 0.1928	Balestra 93	cs	deuteron X 0.3	Sudov 93	mult,p
$p f_2(1270) \pi^-$ 0	Strassburger 94	-	annihil 0.1928	Balestra 93	cs	${}^3\text{H} X$ 0.3	Sudov 93	mult,p
$p f_0(1400) \pi^-$ 0	Strassburger 94	-	mult[charged] X 0.1928	Balestra 93	mult	$\bar{p}^7\text{Li}$		
$p \rho(1450)^- \pi^0$ 0	Strassburger 94	-	charged X 0	Balestra 91B	mult,p	$J/\psi(1S) X$ 300	Antoniazzi 92B	cs,p,pt
$p f_2(1520) \pi^-$ 0	Strassburger 94	-	charged $^- X$ 0	Balestra 91B	mult,p	$p X$ 0.3	Sudov 93	mult,p
$p f_0(1525) \pi^-$ 0	Strassburger 94	-	$\pi^- X$ 0	Adamo 94	p	deuteron X 0.3	Sudov 93	mult,p
$n K^+ K^-$ < 0.1	Adamo 92	cs	$K_S X$ 0	Balestra 91B	mult,p	${}^3\text{H} X$ 0.3	Sudov 93	mult,p
$p \phi(1020) \pi^-$ 0	Ableev 95	cs	glueball X 0.6	Balestra 91	ang,mass	$\mu^- \mu^+ X$ 300	Antoniazzi 92B	mass
$p(\text{spect}) \phi(1020) \pi^-$ 0	Ableev 94G	cs,mass	$p X$ 0	Adamo 94	p	$\bar{p} \text{Be}$		
nucleon baryonium γ 0	Sapozhnikov 94	cs,p	$\Lambda X + \Sigma^0 X$ 0	Balestra 91B	cs,p	annihil 0.7 - 0.95	Kuzichev 92B	cs
$\Lambda K^+ \pi^-$ 0	Ableev 95	cs,p	$2\pi^\pm X$ 0.6	Balestra 91	mass	0.7 - 2.5	Kuzichev 95	a-dep,cs
$p 2\pi^0 \pi^-$ 0	Strassburger 94	cor,mass,p,pwa	$2\pi^+ X$ 0	Adamo 94	ang,mass	$J/\psi(1S) X$ 125	Tzamarias 90	angp,cs,p,pt
$p \pi^+ 2\pi^-$ 0	Zenoni 94	mass	$\pi^+ \pi^- X$ 0	Adamo 94	ang	$p X$ 40	Antipov 92	a-dep,p
$n 3\pi^0$ 0	Peters 92	mass	$2\pi^- X$ 0	Adamo 94	ang,mass	$\mu^- \mu^+ X$ 125	Antipov 90C	a-dep,angp
$p K^+ K^- \pi^-$ 0	Ableev 94G	mass,p	$p \pi^\pm X$ 0.6	Balestra 91	mass	$\bar{p} \text{C}$		
$\Lambda K^+ \pi^0 \pi^-$ 0	Ableev 95	cs,p	$p \pi^+ X$ 0	Adamo 94	ang	annihil 0.7 - 0.95	Kuzichev 92B	cs
$n 4\gamma$ 0	Amsler 95D	cs,mass	$p \pi^- X$ 0	Adamo 94	ang	0.7 - 2.5	Kuzichev 95	a-dep,cs
$p \pi^+ \pi^0 2\pi^-$ 0	Ableev 94G	mass,p	$2p X$ 0	Adamo 94	ang	πX 0	Kuzichev 93	a-dep,cs
$n 2\pi^+ 2\pi^-$ 0	Ableev 95	cs,mass	$2\pi^+ 2\pi^- X$ 0	Adamo 94	ang	$p X$ 0	Kuzichev 92	a-dep,cs
$p 2\pi^+ 3\pi^-$ 0	Ableev 95	cs,mass	$K^\pm 3\pi^\pm X$ 0.6	Balestra 91	mass	${}^3\text{H}_s X$ 0	Minor 92	mult,p
$p(\text{spect}) 2\pi^+ 3\pi^-$ 0	Weidenauer 93	mass,p	$K 3\pi^\pm X$ 0.6	Balestra 91	mass	${}^4\text{H}_s X$ 0	Minor 92	mult,p
$n 3\pi^+ 3\pi^-$ 0	Ableev 95	cs,mass	$2K^\pm 2\pi^\pm X$ 0.6	Balestra 91	mass	$\bar{p}^{12}\text{C}$		
$\bar{p}^3\text{He}$			$p 3\pi^\pm X$ 0.6	Balestra 91	mass	mult[π^\pm] X 0	Polster 95	a-dep,cs,mult,p
charged X 0	Balestra 91B	mult,p	$(\bar{p}\text{He})_{\text{atom}}$ 0	Morita 95	-	mult[K^\pm] X 0	Polster 95	a-dep,cs,mult,p
charged $^- X$ 0	Balestra 91B	mult,p	${}^4\text{He} \bar{p}$ 0.1928	Daniel 94	-	mult[p] X 0	Polster 95	a-dep,cs,mult,p
$\pi^- X$ 0	Balestra 91B	mult,p	$\bar{p} \text{He}$	Hayano 94B	-	mult[n] X 0	Polster 95	a-dep,cs,mult,p
$K_S X$ 0	Balestra 91B	cs,p	X 0.2	Widmann 94	cs	mult[deuteron] X 0	Polster 95	a-dep,cs,mult,p
$\Lambda X + \Sigma^0 X$ 0	Balestra 91B	cs,p	X 0.519	Iwasaki 91	cs	mult[trit] X 0	Polster 95	a-dep,cs,mult,p
$2\pi^+ 2\pi^- X$ 0	Zenoni 92	ang,mass	annihil 0	Ableev 94F	cs	$p X$ 0.3	Sudov 93	p
$\bar{p}^4\text{He}$			0.001 - 0.066	Ableev 94F	cs	deuteron X 0.3	Sudov 93	p
X 0.105 - 0.2	Eades 93	cs	$\bar{p} \text{Li}$			${}^3\text{H} X$ 0.3	Sudov 93	p
			X 0.2			$\bar{p}^6\text{Li}$		
			$\bar{p} \text{He}$			deuteron X 0.3		
			X 0.2			annihil 0.7 - 0.95		
			X 0.519			0.7 - 2.5		
			annihil 0			$J/\psi(1S) X$ 125		
			0.001 - 0.066			$p X$ 40		
			$\bar{p} \text{Li}$			$\mu^- \mu^+ X$ 125		
			X 0.2			$\bar{p} \text{C}$		
			$\bar{p}^6\text{Li}$			annihil 0.7 - 0.95		
			X 0.2			0.7 - 2.5		
			$\bar{p} \text{He}$			πX 0		
			X 0.2			$p X$ 0		
			X 0.519			${}^3\text{H}_s X$ 0		
			annihil 0			${}^4\text{H}_s X$ 0		
			0.001 - 0.066			mult[π^\pm] X 0		
			$\bar{p} \text{Li}$			mult[K^\pm] X 0		
			X 0.2			mult[p] X 0		
			$\bar{p}^6\text{Li}$			mult[n] X 0		
			X 0.2			mult[deuteron] X 0		
			X 0.519			mult[trit] X 0		
			annihil 0			$p X$ 0.3		
			0.001 - 0.066			deuteron X 0.3		
			$\bar{p} \text{He}$			${}^3\text{H} X$ 0.3		
			X 0.2			deuteron X 0.3		
			X 0.519			annihil 0.7 - 0.95		
			annihil 0			0.7 - 2.5		
			0.001 - 0.066			$J/\psi(1S) X$ 125		
			$\bar{p} \text{Li}$			$p X$ 40		
			X 0.2			$\mu^- \mu^+ X$ 125		
			$\bar{p}^6\text{Li}$			$\bar{p} \text{C}$		
			X 0.2			annihil 0.7 - 0.95		
			X 0.519			0.7 - 2.5		
			annihil 0			πX 0		
			0.001 - 0.066			$p X$ 0		
			$\bar{p} \text{He}$			${}^3\text{H}_s X$ 0		
			X 0.2			${}^4\text{H}_s X$ 0		
			X 0.519			mult[π^\pm] X 0		
			annihil 0			mult[K^\pm] X 0		
			0.001 - 0.066			mult[p] X 0		
			$\bar{p} \text{Li}$			mult[n] X 0		
			X 0.2			mult[deuteron] X 0		
			X 0.519			mult[trit] X 0		
			annihil 0			$p X$ 0.3		
			0.001 - 0.066			deuteron X 0.3		
			$\bar{p} \text{He}$			${}^3\text{H} X$ 0.3		
			X 0.2			deuteron X 0.3		
			X 0.519			annihil 0.7 - 0.95		
			annihil 0			0.7 - 2.5		
			0.001 - 0.066			$J/\psi(1S) X$ 125		
			$\bar{p} \text{Li}$			$p X$ 40		
			X 0.2			$\mu^- \mu^+ X$ 125		
			$\bar{p}^6\text{Li}$			$\bar{p} \text{C}$		
			X 0.2			annihil 0.7 - 0.95		
			X 0.519			0.7 - 2.5		
			annihil 0			πX 0		
			0.001 - 0.066			$p X$ 0		
			$\bar{p} \text{He}$			${}^3\text{H}_s X$ 0		
			X 0.2			${}^4\text{H}_s X$ 0		
			X 0.519			mult[π^\pm] X 0		
			annihil 0			mult[K^\pm] X 0		
			0.001 - 0.066			mult[p] X 0		
			$\bar{p} \text{Li}$			mult[n] X 0		
			X 0.2			mult[deuteron] X 0		
			X 0.519			mult[trit] X 0		
			annihil 0			$p X$ 0.3		
			0.001 - 0.066			deuteron X 0.3		
			$\bar{p} \text{He}$			${}^3\text{H} X$ 0.3		
			X 0.2			deuteron X 0.3		
			X 0.519			annihil 0.7 - 0.95		
			annihil 0			0.7 - 2.5		
			0.001 - 0.066			$J/\psi(1S) X$ 125		
			$\bar{p} \text{Li}$			$p X$ 40		
			X 0.2			$\mu^- \mu^+ X$ 125		
			$\bar{p}^6\text{Li}$			$\bar{p} \text{C}$		
			X 0.2			annihil 0.7 - 0.95		
			X 0.519			0.7 - 2.5		
			annihil 0			πX 0		
			0.001 - 0.066			$p X$ 0		
			$\bar{p} \text{He}$			${}^3\text{H}_s X$ 0		
			X 0.2			${}^4\text{H}_s X$ 0		
			X 0.519			mult[π^\pm] X 0		
			annihil 0			mult[K^\pm] X 0		
			0.001 - 0.066			mult[p] X 0		
			$\bar{p} \text{Li}$			mult[n] X 0		
			X 0.2			mult[deuteron] X 0		
			X 0.519			mult[trit] X 0		
			annihil 0			$p X$ 0.3		
			0.001 - 0.066			deuteron X 0.3		
			$\bar{p} \text{He}$			${}^3\text{H} X$ 0.3		
			X 0.2			deuteron X 0.3		
			X 0.519			annihil 0.7 - 0.95		
			annihil 0			0.7 - 2.5		
			0.001 - 0.066			$J/\psi(1S) X$ 125		
			$\bar{p} \text{Li}$			$p X$ 40		
			X 0.2			$\mu^- \mu^+ X$ 125		
			$\bar{p}^6\text{Li}$			$\bar{p} \text{C}$		
			X 0.2			annihil 0.7 - 0.95		
			X 0.519			0.7 - 2.5		
			annihil 0			πX 0		
			0.001 - 0.066			$p X$ 0		
			$\bar{p} \text{He}$			${}^3\text{H}_s X$ 0		
			X 0.2			${}^4\text{H}_s X$ 0		
			X 0.519			mult[π^\pm] X 0		
			annihil 0			mult[K^\pm] X 0		
			0.001 - 0.066			mult[p] X 0		
			$\bar{p} \text{Li}$			mult[n] X 0		
			X 0.2			mult[deuteron] X 0		
			X 0.519			mult[trit] X 0		
			annihil 0			$p X$ 0.3		
			0.001 - 0.066			deuteron X 0.3		
			$\bar{p} \text{He}$			${}^3\text{H} X$ 0.3		
			X 0.2			deuteron X 0.3		
			X 0.519			annihil 0.7 - 0.95		
			annihil 0			0.7 - 2.5		
			0.001 - 0.066			$J/\psi(1S) X$ 125		
			$\bar{p} \text{Li}$			$p X$ 40		
			X 0.2			$\mu^- \mu^+ X$ 125		
			$\bar{p}^6\text{Li}$			$\bar{p} \text{C}$		
			X 0.2			annihil 0.7 - 0.95		
			X 0.519			0.7 - 2.5		
			annihil 0			πX 0		
			0.001 - 0.066			$p X$ 0		
			$\bar{p} \text{He}$			${}^3\text{H}_s X$ 0		
			X 0.2			${}^4\text{H}_s X$ 0		
			X 0.519			mult[π^\pm] X 0		
			annihil 0			mult[K^\pm] X 0		
			0.001 - 0.066			mult[p] X 0		
			$\bar{p} \text{Li}$			mult[n] X 0		
			X 0.2			mult[deuteron] X 0		
			X 0.519			mult[trit] X 0		
			annihil 0			$p X$ 0.3		
			0.001 - 0.066			deuteron X 0.3		
			$\bar{p} \text{He}$			${}^3\text{H} X$ 0.3		
			X 0.2			deuteron X 0.3		
			X 0.519			annihil 0.7 - 0.95		
			annihil 0			0.7 - 2.5		
			0.001 - 0.066			$J/\psi(1S) X$ 125		
			$\bar{p} \text{Li}$			$p X$ 40		
			X 0.2			$\mu^- \mu^+ X$ 125		
			$\bar{p}^6\text{Li}$			$\bar{p} \text{C}$		
			X 0.2			annihil 0.7 - 0.95		
			X 0.519			0.7 - 2.5		
			annihil 0			πX 0		
			0.001 - 0.066			$p X$ 0		
			$\bar{p} \text{He}$			${}^3\text{H}_s X$ 0		
			X 0.2			${}^4\text{H}_s X$ 0		
			X 0.519			mult[π^\pm] X 0		
			annihil 0			mult[K^\pm] X 0		
			0.001 - 0.066			mult[p] X 0		
			$\bar{p} \text{Li}$			mult[n] X 0		
			X 0.2			mult[deuteron] X 0		
			X 0.519			mult[trit] X 0		
			annihil 0					

$\bar{p} \text{Xe} \rightarrow \Sigma^0 K^+ X$ $\bar{p} \text{}^{232}\text{Th} \rightarrow \text{deuteron X}$

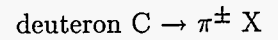
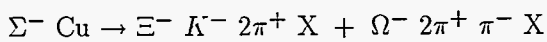
$\bar{p} \text{Xe}$			$\bar{p} \text{}^{165}\text{Ho}$			$\bar{p} \text{}^{197}\text{Au}$		
$\Sigma^0 K^+ X$ 0 - 0.9	Barmin 94B Dolgolenko 92	cs cs	mult[n] X 0	Polster 95 a-dep,cs,mult,p		mult[deuteron] X 0	Polster 95 a-dep,cs,mult,p	
$\Sigma^- K^+ X$ 0 - 0.9	Barmin 94B Dolgolenko 92	cs cs	mult[deuteron] X 0	Polster 95 a-dep,cs,mult,p		mult[trit] X 0	Polster 95 a-dep,cs,mult,p	
$\Sigma^\pm K_S X$ 0 - 0.9	Barmin 94B	cs	mult[trit] X 0	Polster 95 a-dep,cs,mult,p		$\bar{p} \text{Pb}$		
$\Sigma^0 K_S X$ 0 - 0.9	Barmin 94B	cs	$p X$ 0.3	Sudov 93 mult,p		annihil 0.7 - 0.95 0.7 - 2.5	Kuzichev 92B Kuzichev 95 Kuzichev 93 Kuzichev 92	cs a-dep,cs a-dep,cs a-dep,cs
$3\gamma X$ 0 - 0.9	Dolgolenko 92	mass	deuteron X 0.3	Sudov 93 mult,p		$\pi^\pm X$ 0.2	Polster 93	mult,p
$K \bar{K} \pi^\pm X$ 0 - 0.9	Andryakov 92 Dolgolenko 92	mult mult	${}^3\text{H} X$ 0.3	Sudov 93 mult,p		$K^\pm X$ 0.2	Polster 93	mult,p
$K \bar{K} \pi^0 X$ 0 - 0.9	Andryakov 92 Dolgolenko 92	mult mult	$\bar{p} \text{}^{171}\text{Yb}$			$p X$ 0.2 40	Polster 93 Antipov 92 Antipov 90C	mult,p a-dep,p a-dep,angp
$p K \bar{K} X$ 0 - 0.9	Andryakov 92 Dolgolenko 92	mult mult	$p X$ 0.3	Sudov 93 mult,p		$n X$ 0.2	Polster 93	mult,p
$\Lambda \bar{K} \pi^\pm X + \bar{\Lambda} K \pi^\pm X$ 0 - 0.9	Andryakov 92 Dolgolenko 92	mult mult	deuteron X 0.3	Sudov 93 mult,p		deuteron X 0.2	Polster 93	mult,p
$\Lambda \bar{K} \pi^0 X + \bar{\Lambda} K \pi^0 X$ 0 - 0.9	Andryakov 92 Dolgolenko 92	mult mult	${}^3\text{H} X$ 0.3	Sudov 93 mult,p		${}^3\text{H} X$ 0.2	Polster 93	mult,p
$\Lambda K^+ K^0 X$ 0 - 0.9	Barmin 93	cs	$\bar{p} \text{}^{181}\text{Ta}$			$\bar{p} \text{}^{208}\text{Pb}$		
$\Lambda K^+ K_S X$ 0 - 0.9	Barmin 94B	cs	mult[π^\pm] X 0	Polster 95 a-dep,cs,mult,p		$p X$ 0.3	Sudov 93	mult,p
$p \Lambda \bar{K} X + p \bar{\Lambda} K X$ 0 - 0.9	Andryakov 92 Dolgolenko 92	mult mult	mult[K^\pm] X 0	Polster 95 a-dep,cs,mult,p		deuteron X 0.3	Sudov 93	mult,p
dibaryon($S = -2$) $2K^+ X$ 0 - 0.9	Barmin 93	cs	mult[p] X 0	Polster 95 a-dep,cs,mult,p		${}^3\text{H} X$ 0.3	Sudov 93	mult,p
$4\pi^0 X$ 0 - 0.9	Barmin 94B	cs	mult[n] X 0	Polster 95 a-dep,cs,mult,p		$\bar{p} \text{}^{209}\text{Bi}$		
$\pi^+ 2\pi^0 \pi^- X$ 0 - 0.9	Barmin 94B	cs	mult[deuteron] X 0	Polster 95 a-dep,cs,mult,p		mult[π^\pm] X 0	Polster 95 a-dep,cs,mult,p	
$2\pi^+ 2\pi^- X$ 0 - 0.9	Barmin 94B	cs	mult[trit] X 0	Polster 95 a-dep,cs,mult,p		mult[K^\pm] X 0	Polster 95 a-dep,cs,mult,p	
$p 2\pi^0 \pi^- X$ 0 - 0.9	Barmin 94B	cs	$\bar{p} \text{Wt}$			mult[p] X 0	Polster 95 a-dep,cs,mult,p	
$p \pi^+ 2\pi^- X$ 0 - 0.9	Barmin 94B	cs	$J/\psi(1S) X$ 125	Tzamarias 90 cs		mult[n] X 0	Polster 95 a-dep,cs,mult,p	
$n 3\pi^0 X$ 0 - 0.9	Barmin 94B	cs	$\psi(2S) X$ 125	Tzamarias 90 cs		mult[deuteron] X 0	Polster 95 a-dep,cs,mult,p	
$n \pi^+ \pi^0 \pi^- X$ 0 - 0.9	Barmin 94B	cs	$\mu^- \mu^+ X$ 125	Tzamarias 90 mass		mult[trit] X 0	Polster 95 a-dep,cs,mult,p	
$5\gamma X$ 0 - 0.9	Dolgolenko 92	mass	$\bar{p} \text{Au}$			frag X 0.105	Hofmann 94 Bocquet 92	a-dep,mass,p mass,p
$\bar{p} \text{}^{144}\text{Sm}$			$\pi^+ X$ 100	Whitmore 94 mult,p,pt		3frag 0.105	Bocquet 92	mass,p
fragt X 0	Lubinski 94	cs	$\pi^- X$ 100	Whitmore 94 mult,p,pt		$\bar{p} \text{}^{232}\text{Th}$		
${}^{143}\text{Pm} X$ 0	Lubinski 94	cs	$p X$ 100	Whitmore 94 mult,p		$p X$ 0.3	Sudov 93	mult,p
$\bar{p} \text{}^{154}\text{Sm}$			$\bar{p} \text{}^{197}\text{Au}$			frag X 0.105	Hofmann 94	a-dep,mass,p
fragt X 0	Lubinski 94	cs	mult[π^\pm] X 0	Polster 95 a-dep,cs,mult,p		fragt X 0	Lubinski 94	cs
$\bar{p} \text{}^{165}\text{Ho}$			mult[K^\pm] X 0	Polster 95 a-dep,cs,mult,p		deuteron X 0.3	Sudov 93	mult,p
mult[π^\pm] X 0	Polster 95 a-dep,cs,mult,p		mult[p] X 0	Polster 95 a-dep,cs,mult,p				
mult[K^\pm] X 0	Polster 95 a-dep,cs,mult,p		mult[n] X 0	Polster 95 a-dep,cs,mult,p				
mult[p] X 0	Polster 95 a-dep,cs,mult,p							

$\bar{p} \text{ }^{232}\text{Th} \rightarrow \text{}^3\text{H} \text{ X}$

$\Sigma^- \text{ Cu} \rightarrow \Lambda \pi^- \text{ X}$

$\bar{p} \text{ }^{232}\text{Th}$			$\bar{p} \text{ }^{238}\text{U}$			$\Sigma^- \text{ nucleus}$		
$\text{}^3\text{H} \text{ X}$ 0.3	Sudov 93	mult,p	$\text{}^{131}\text{I} \text{ X}$ 0	Machner 92	cs	mult[grey] shower X 350	Szarka 93	cor,mult,p
$\bar{p} \text{ }^{238}\text{U}$			$\text{}^{143}\text{Ce} \text{ X}$ 0	Machner 92	cs	$\Sigma^- \text{ C}$		
mult[π^\pm] X 0	Polster 95	a-dep,cs,mult,p	2frag X 0	Hofmann 92	ang	$K_S \text{ X}$ 360	Chudakov 94	a-dep,cs
mult[K^\pm] X 0	Polster 95	a-dep,cs,mult,p	3frag 0.105	Bocquet 92	mass,p	$D^+ \text{ X}$ 360	Chudakov 94	a-dep,cs,p
mult[p] X 0	Polster 95	a-dep,cs,mult,p	$\bar{p} \text{ U}$			$D^- \text{ X}$ 360	Chudakov 94	a-dep,cs,p
mult[n] X 0	Polster 95	a-dep,cs,mult,p	$\pi \text{ X}$ 0	Minor 92	mult,p	$\Lambda \text{ X}$ 330	Beusch 95	p,pol,pt
mult[deuteron] X 0	Polster 95	a-dep,cs,mult,p	$p \text{ X}$ 0	Minor 92 Minor 92B	mult,p p	$\bar{\Lambda} \text{ X}$ 330	Beusch 95	p,pol,pt
mult[trit] X 0	Polster 95	a-dep,cs,mult,p	$\Delta(1232 P_{33})^+ p$			$\Sigma^+ \text{ X}$ 330	Beusch 95	p,pol,pt
frag X 0.105	Hofmann 94 Bocquet 92	a-dep,mass,p mass,p	2p 0.16	Budyashov 93	cs	$\Xi^- \text{ X}$ 330	Beusch 95	p,pol,pt
fragt X 0	Lubinski 94 Hofmann 92 Machner 92	cs mass,p cs	$\Lambda \text{ Cu}$			$\Lambda_c^+ \text{ X}$ 360	Chudakov 94	p
hypernucleus X 0.105	Armstrong 92B	-	$\Omega^- \text{ X}$ 300 - 800	Wallace 95 Lach 94 Lach 93 Lach 92 Diehl 91 Yokosawa 91	pol pol pol pol pol	$\Sigma_c(2455)^{++} \text{ X}$ 360	Chudakov 94	p
$\text{}^3\text{He} \text{ X}$ 0.3	Sudov 93	p	$\Sigma^+ \gamma^*$			$\Sigma_c(2455)^0 \text{ X}$ 360	Chudakov 94	p
$\text{}^4\text{He} \text{ X}$ 0.3	Sudov 93	p	Σ^+ 375	Lach 94 Cooper 93 Lach 93 Morelos 93B Chen 92B Lach 92	pol pol pol pol pol	$\Xi_c(2460)^+ \text{ X}$ 360	Chudakov 94	p
$\text{}^{73}\text{Ga} \text{ X}$ 0	Machner 92	cs	$\Sigma^0 \text{ Cu}$			$\Omega_c \text{ X}$ 340	Adamovich 95C	p
$\text{}^{86}\text{Kr} \text{ X}$ 0	Machner 92	cs	$\Omega^- \text{ X}$ 300 - 800	Wallace 95 Lach 94 Lach 93 Lach 92 Diehl 91 Yokosawa 91	pol pol pol pol pol	$p \pi^0 \text{ X}$ 330	Beusch 95	mass
$\text{}^{97}\text{Zr} \text{ X}$ 0	Machner 92	cs	$\Sigma^- e^-$			$p \pi^- \text{ X}$ 330	Beusch 95	mass
$\text{}^{95}\text{Nb} \text{ X}$ 0	Machner 92	cs	$\Sigma^- e^-$ 360	Buenerd 92	angp	$\bar{p} \pi^+ \text{ X}$ 330	Beusch 95	mass
$\text{}^{96}\text{Nb} \text{ X}$ 0	Machner 92	cs	$\Sigma^- p$			$\Lambda \pi^- \text{ X}$ 330	Beusch 95	mass
$\text{}^{103}\text{Ru} \text{ X}$ 0	Machner 92	cs	X 360	Buenerd 92	cs	$\Xi^- K^- 2\pi^+ \text{ X} + \Omega^- 2\pi^+ \pi^- \text{ X}$ 340	Adamovich 95C	mass
$\text{}^{105}\text{Ru} \text{ X}$ 0	Machner 92	cs	$n \Lambda$ 360	Buenerd 92	angp	$\Sigma^- \text{}^{12}\text{C}$		
$\text{}^{105}\text{Rh} \text{ X}$ 0	Machner 92	cs	$n \Sigma^0$ 360	Buenerd 92	angp	$\gamma \text{ X}$ 0	Guriyev 93	p
$\text{}^{109}\text{Pd} \text{ X}$ 0	Machner 92	cs	$p \Sigma^-$ 360	Buenerd 92	angp	$\Sigma^- \text{ Cu}$		
$\text{}^{115}\text{Ag} \text{ X}$ 0	Machner 92	cs	$\Sigma^- \text{ nucleus}$			$K_S \text{ X}$ 360	Chudakov 94	a-dep,cs
$\text{}^{111}\text{Cd} \text{ X}$ 0	Machner 92	cs	inelastic 350	Szarka 93	cs	$D^+ \text{ X}$ 360	Chudakov 94	a-dep,cs,p
$\text{}^{115}\text{Cd} \text{ X}$ 0	Machner 92	cs	mult[shower] X 350	Szarka 93	mult	$D^- \text{ X}$ 360	Chudakov 94	a-dep,cs,p
$\text{}^{117}\text{Cd} \text{ X}$ 0	Machner 92	cs	mult[grey] X 350	Szarka 93	mult	$\Lambda \text{ X}$ 330	Beusch 95	p,pol,pt
$\text{}^{116}\text{In} \text{ X}$ 0	Machner 92	cs	mult[black] X 350	Szarka 93	mult	$\bar{\Lambda} \text{ X}$ 330	Beusch 95	p,pol,pt
$\text{}^{125}\text{Sn} \text{ X}$ 0	Machner 92	cs	shower X 350	Szarka 93	p	$\Sigma^+ \text{ X}$ 330	Beusch 95	p,pol,pt
$\text{}^{120}\text{Sb} \text{ X}$ 0	Machner 92	cs	grey X 350	Szarka 93	angp	$\Xi^- \text{ X}$ 330	Beusch 95	p,pol,pt
$\text{}^{122}\text{Sb} \text{ X}$ 0	Machner 92	cs	$\Sigma^- \text{ nucleus}$			$\Omega_c \text{ X}$ 340	Adamovich 95C	p
$\text{}^{126}\text{Sb} \text{ X}$ 0	Machner 92	cs	inelastic 350	Szarka 93	cs	$p \pi^0 \text{ X}$ 330	Beusch 95	mass
$\text{}^{127}\text{Sb} \text{ X}$ 0	Machner 92	cs	mult[shower] X 350	Szarka 93	mult	$p \pi^- \text{ X}$ 330	Beusch 95	mass
			mult[grey] X 350	Szarka 93	mult	$\bar{p} \pi^+ \text{ X}$ 330	Beusch 95	mass
			mult[black] X 350	Szarka 93	mult	$\Lambda \pi^- \text{ X}$ 330	Beusch 95	mass
			shower X 350	Szarka 93	p			
			grey X 350	Szarka 93	angp			

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.



$\Sigma^- \text{Cu}$	fragb nucleus	deuteron nucleus
$\Xi^- K^- 2\pi^+ X + \Omega^- 2\pi^+ \pi^- X$ 340 Adamovich 95C mass	inelastic 4.5 - 45 Ahmad 91C cs	mult[htrack] shower X 9 Bobodjanov 91 mult
$\Sigma^- \text{Wt}$	deuteron p	mult[htrack] grey X 9 Bobodjanov 91 mult
γX 0 Powers 93 p	$\pi^+ X$ 4.2 - 9 Averichev 95B angp,pol	mult[htrack] black X 9 Bobodjanov 91 mult
$\Sigma^- \text{Pb}$	Averichev 95C angp,pol	(showers) 2shower X 9 Ghosh 94B ang,col
γX 0 Powers 93 p	$\pi^- X$ 4.2 - 9 Averichev 95B angp,pol	2grey (greys) X 9 Ghosh 94B ang,col
$\bar{\Sigma}^- \gamma^*$	Averichev 95C angp,pol	2black (blacks) X 9 Ghosh 94B ang,col
$\bar{\Sigma}^-$ 375 Lach 94 pol Cooper 93 pol Morelos 93B pol	p X 3.505 Cheung 92 pol 9 Azhgirey 91 angp,p 9 Azhgirey 91B angp 9 Ableev 92 angp,cs,p 9 Ableev 92B angp,cs,p	grey (greys) (showers) shower X 9 Ghosh 94B ang,col
$\Xi^- p$	deuteron X 4.5 - 5.5 Azhgirey 95B angp,p	(showers) shower fragb (fragbs) X 9 Ghosh 94B ang,col
X 360 Buenerd 92 cs	dibaryon X 3.07 - 3.505 Tatishcheff 92 cs	grey (greys) fragb (fragbs) X 9 Ghosh 94B ang,col
n Ξ^0 360 Buenerd 92 angp	2p X 3.07 - 3.505 Tatishcheff 92 dme,mass	black (blacks) fragb (fragbs) X 9 Ghosh 94B ang,col
p Ξ^- 135 Buenerd 92 angp 360 Buenerd 92 angp	deuteron p 0.1061 Knutson 93 angp,pol,pwa	deuteron deuteron
$\Xi^- \text{nucleus}$	1.102 - 3.773 Punjabi 95 angp,pol	p X 9 Azhgirey 91 angp,p 9 Azhgirey 91B angp
hypernucleus(S = -2) X < 1.66 Aoki 91 cs Aoki 91E cs	4.5 - 5.5 Azhgirey 95 angp,p	He γ 2.31 Goldzahl 91 angp
hypernucleus(S = -2) 0 Imai 92 cs	dibaryon ⁺ p 3.3 Deloff 95 cs	He π^0 2.31 Goldzahl 91 angp
hypernucleus $^4\text{H}_s$ 0 Aoki 93 angp,p	$^3\text{He} \pi^0$ 3.77 Plouin 92 p	He η 2.337 - 2.341 Frascaria 94 amp,cs
$\Xi^- ^{12}\text{C}$	$^3\text{He} \eta$ 3.77 Plouin 92 p	deuteron ^4He
hypernucleus(S = -2) < 1.66 Aoki 95B cs	2p n 0.4451 Qin 95 pol 0.888 - 1.198 Kox 93 angp,p,pol	^4He deuteron 0.05713 - 0.1344 Barit 91 pwa
$^9\text{Be}_s, ^4\text{H}_s$ < 1.66 Aoki 95B cs	1.112 - 1.891 Mcnaughton 92 pol 1.198 Kox 91 angp,pol 3.392 Ero 94 angp	deuteron ^6Li
$\Omega^- p$	deuteron n π^+ 3.3 Glagolev 91 angp,cs,mass,p	$^6\text{He} ^2\text{He}$ 0.6967 Xu 95 angp,cs
p Ω^- 360 Buenerd 92 angp	3p π^- 3.3 Deloff 95 mass	deuteron Be
nucleus nucleus	deuteron p $\pi^+ \pi^-$ 3.3 Glagolev 91 angp,cs,mass,p	inelastic 3.4 Gulkanyan 91B cs
$e^+ X$ < 1.6 Pokotilovsky 93 a-dep,mass,p	deuteron nucleus	mult[π^-] X 2.17 Viryasov 91B mult
$\mu^\pm X$ $5 \cdot 10^4 - 10^7$ Palamara 93 a-dep	γX 2.5 Troyan 94B p	$\pi^- X$ 2.17 Viryasov 91B angp,p,pt
mult[μ] X $5 \cdot 10^4 - 5.6 \cdot 10^8$ Ahlen 92 mult	$\pi^+ X$ 9 - 17.8 Bondarev 93 angp,p	3.392 - 5.568 Viryasov 92 angp,cs,p,pt
charged ⁻ X 57.2 - 6400 Gazdzicki 95 a-dep,mult	$\pi^- X$ 9 - 17.8 Bondarev 93 angp,p	3.4 Gulkanyan 91B angp,mult,p,pt
jet X 10^6 Avakyan 91D pt	$K^+ X$ 9 - 17.8 Bondarev 93 angp,p	deuteron C
nucleus mult[fragb] ? Schmidt 92B a-dep,cs	$K^0 X$ 8.266 - 9.084 Okonov 94 angp,mult,p,pt	mult[charged] X 9 Afanasyev 93C mult
$e^- e^+ X$ < 1.6 Pokotilovsky 93 a-dep,mass,p	$K^- X$ 9 - 17.8 Bondarev 93 angp,p	mult[charged ⁻] X 8.4 Batskovich 91 cor,mult,p
nucleus p fragt ? Schmidt 92B a-dep,cs	p X 9 - 17.8 Bondarev 93 angp,p	mult[π^-] X 2.17 Viryasov 91B mult 3.4 Ermakov 94 mult 9 Afanasyev 91 a-dep,mult
nucleus Ta	ΛX 8.266 - 9.084 Okonov 94 angp,mult,p,pt	mult[nucleon] X 8.4 Kuznetsov 93 cor,mult,p
inelastic 0.59 - 2.3 Villari 91 cs	deuteron X 9 - 17.8 Bondarev 93 angp,p	8.4 - 20 Dedovich 94 angp,cor,p,pt
frag p		$\pi^\pm X$ 6.615 - 8.982 Baldin 92 cs
2fragb (fragbs) X 0 - 50 Gaitinov 94 cs,mass		

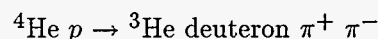
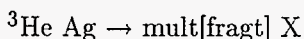
deuteron C $\rightarrow \pi^0 X$ deuteron Au $\rightarrow 2\text{frag} X$

deuteron C		deuteron ^{12}C		deuteron ^{40}Ca	
$\pi^0 X$ 9	Abraamyan 94C a-dep,angp,p	$\pi^+ X$ 6.2 - 9	Anisimov 95 asym	$p X$ 0.888	Morlet 94 angp,p,pol
$\pi^- X$ 2.17	Viryasov 91B angp,p,pt	$\pi^- X$ 0.8 - 1 3.8 - 6.5	Baldin 95B Averichev 95C angp,pol	deuteron ^{58}Ni	
3.392	Gulkanyan 91 angp,cs,mult,p,pt	4.2 - 9	Averichev 95B angp,pol	$^{57}\text{Ni} \ ^3\text{H}$ 0.888	Vandewiele 94 angp,p,pol
3.392 - 8.266	Viryasov 92 angp,cs,p,pt	6.2 - 9	Anisimov 95 asym	deuteron Cu	
3.4	Ermakov 94 Gulkanyan 91B angp,mult,p,pt	$K^+ X$ 0.8 - 1	Baldin 95B asym	mult $[\pi^-] X$ 9	Afanasyev 91 a-dep,mult
8.4	Bekmirzaev 93 Backovic 92 Backovic 91 Baatar 90 Baldin 94 Afanasyev 93B Afanasyev 91 a-dep,mult,p,pt p	$p X$ 0.8 - 1 0.888 6 - 9 9	Baldin 95B Morlet 94 Kuehn 94 Averichev 95B angp,pol angp,pol angp,pol angp,pol	$\pi^0 X$ 9	Abraamyan 94C a-dep,angp,p
$K^\pm X$ 6.615 - 8.982	Baldin 92 cs	9.1	Azhgirey 91 Azhgirey 91B Ableev 92 Ableev 92B Ableev 91B angp,pol angp angp,cs,p angp,cs,p angp,p,pol	$\pi^- X$ 9	Baldin 94 Afanasyev 93B Afanasyev 91 a-dep,cs a-dep,mult,p,pt p
$p X$ 1.2 - 4.2	Beznogikh 91 angp,p,pol	deuteron X 4.5 - 5.5	Azhgirey 95B angp,p	$\bar{p} X$ 7.649 - 11.73	Chiba 94 Chiba 93 a-dep,p a-dep,p
1.616	Peterson 94 angp,p,pol	$^2\text{He} X$ 1.042	Okamura 94 angp,pol	$2\gamma X$ 9	Abraamyan 94C angp,mass
5.8 - 9	Borzunov 93 angp,pol	$2p X$ 2.926 - 3.392	Sams 95 angp,p	deuteron ^{90}Zr	
6 - 9	Aono 95 Chernykh 94 angp,p,pol	$^{12}\text{Bor} \ ^2\text{He}$ 0.6967 1.042	Xu 95 Okamura 94 angp,cs angp,pol	$^{89}\text{Zr} \ ^3\text{H}$ 0.888	Vandewiele 94 angp,p,pol
8.4	Backovic 94 Bekmirzaev 94 Agakishiev 92 a-dep,angp,cs,p	$^{11}\text{C} \ ^3\text{H}$ 0.888	Vandewiele 94 angp,p,pol	deuteron Ag	
9	Backovic 92C a-dep,angp,p	$^{12}\text{C} \text{ deuteron}$ 4.5 - 5.5	Azhgirey 95 angp,p	frag X 6.014	Todorovic 93 cs
$\bar{p} X$ 7.649 - 11.73	Chiba 94 Chiba 93 Baldin 95 a-dep,p a-dep,p a-dep,angp	deuteron ^{13}C		2frag X 6.014	Todorovic 93 cs
8.982	Baldin 95 a-dep,angp	$^{13}\text{Bor} \ ^2\text{He}$ 0.6967	Xu 95 angp,cs	3frag X 6.014	Todorovic 93 cs
deuteron X 2 - 4	Kishida 92 angp,cs	deuteron ^{16}O		deuteron ^{116}Sn	
dibaryon X 8.4	Didenko 91B ang	$^{15}\text{O} \ ^3\text{H}$ 0.888	Vandewiele 94 angp,p,pol	$^{115}\text{Sn} \ ^3\text{H}$ 0.888	Vandewiele 94 angp,p,pol
tribaryon X 8.4	Didenko 91B ang	deuteron ^{24}Mg		$^{116}\text{Sn} \text{ deuteron}$ 0.888	Vandewiele 94 angp,p,pol
$(p's) (\pi^\pm's) X$ 8.4	Baatar 91 col,mult,p	$^{24}\text{Na} \ ^2\text{He}$ 0.6967 1.042	Xu 95 Niizeki 94 angp,cs angp,cs	deuteron ^{120}Sn	
$2\gamma X$ 9	Abraamyan 94C angp,mass	deuteron ^{26}Mg		$^{119}\text{Sn} \ ^3\text{H}$ 0.888	Vandewiele 94 angp,p,pol
$2\pi^- X$ 8.4	Simic 92 ang	deuteron $^{26}\text{Na} \ ^2\text{He}$ 1.042 Niizeki 94 angp,cs		deuteron Ta	
$p \pi^- X$ 8.4	Simic 92 ang,p	deuteron Al		mult[nucleon] X 8.4 - 20	Dedovich 94 angp,cor,p,pt
$2p X$ 1.6	Beznogikh 91 angp,cor,p,pol	mult $[\pi^-] X$ 9	Afanasyev 91 a-dep,mult	$\pi^- X$ 8.4	Bekmirzaev 94B angp,mult,p,pt Backovic 92 Agakishiev 91 a-dep,angp Backovic 91 a-dep,p,pt
deuteron $p X$ 1.6	Beznogikh 91 angp,cor,p,pol	$\pi^- X$ 9	Baldin 94 Afanasyev 93B Afanasyev 91 a-dep,mult,p,pt p	$p X$ 8.4	Backovic 94 Agakishiev 92 a-dep,angp,cs,p Backovic 92C a-dep,angp,p
2charged (charged)s X 8.4	Angelov 94 col,cor	$\bar{p} X$ 7.649 - 11.73	Chiba 94 Chiba 93 a-dep,p a-dep,p	deuteron Au	
$2p (p's) X$ 8.4	Bazarov 94 angp,col	deuteron X 2 - 4	Kishida 92 angp,cs	frag X 6.014	Todorovic 93 cs
deuteron ^{12}C		deuteron ^{28}Si		2frag X 6.014	Todorovic 93 cs
$\pi^+ X$ 0.8 - 1 3.8 - 6.5	Baldin 95B Averichev 95C angp,pol	$^{28}\text{Al} \ ^2\text{He}$ 1.042	Niizeki 94 angp,cs	deuteron Au	
4.2 - 9	Averichev 95B angp,pol	deuteron Ca		frag X 6.014	Todorovic 93 cs
		$p X$ 1.616	Peterson 94 angp,p,pol	2frag X 6.014	Todorovic 93 cs

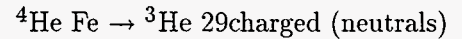
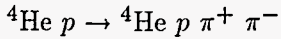
Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

deuteron Au \rightarrow 3frag X $^3\text{H Mg} \rightarrow \text{mult}[\pi^-] \text{X}$

deuteron Au				deuteron C				deuteron Pb			
3frag X 6.014	Todorovic 93	cs		$0K_S$ shower ⁺ X 12.2	Coc 92	mult		0Λ shower ⁺ X 12.2	Coc 92	mult	
deuteron Pb				0Λ shower ⁺ X 12.2	Coc 92	mult		$0K_S$ shower ⁻ X 12.2	Coc 92	mult	
mult[charged] X 9	Afanasyev 93C	mult		$0K_S$ shower ⁻ X 12.2	Coc 92	mult		0Λ shower ⁻ X 12.2	Coc 92	mult	
mult $[\pi^-]$ X 9	Afanasyev 91	a-dep,mult		0Λ shower ⁻ X 12.2	Coc 92	mult		K_S X 12.2	Batyunya 93B	angp,cs,p,pt mult,p,pt	
π^- X 9	Baldin 94 Afanasyev 93B Afanasyev 91	a-dep,cs a-dep,mult,p,pt p		K_S X 10 - 13 12.2	Batyunya 93 Batyunya 93B Coc 92	a-dep,cs angp,cs,p,pt mult,p,pt		Λ X 10 - 13 12.2	Batyunya 93 Batyunya 93B Coc 92	a-dep,cs angp,cs,p,pt mult,p,pt	
p X 1.616	Peterson 94	angp,p,pol		Λ X 10 - 13 12.2	Batyunya 93 Batyunya 93B Coc 92	a-dep,cs angp,cs,p,pt mult,p,pt		$\bar{\Lambda}$ X 12.2	Coc 92	mult	
n X 3.392	Daniel 92	angp,p		$\bar{\Lambda}$ X 12.2	Coc 92	mult		vee charged ⁺ X 12.2	Coc 92	pt	
deuteron Bi				vee charged ⁺ X 12.2	Coc 92	pt		vee charged ⁻ X 12.2	Coc 92	pt	
frag X 6.014	Todorovic 93	cs		vee charged ⁻ X 12.2	Coc 92	pt		K_S charged X 12.2	Coc 92	mult	
2frag X 6.014	Todorovic 93	cs		K_S charged X 12.2	Coc 92	mult		K_S charged ⁺ X 12.2	Coc 92	mult	
3frag X 6.014	Todorovic 93	cs		K_S charged ⁺ X 12.2	Coc 92	mult		K_S charged ⁻ X 12.2	Coc 92	mult	
deuteron Th				K_S shower X 12.2	Coc 92	mult		K_S shower X 12.2	Coc 92	mult	
frag X 6.014	Todorovic 93	cs		K_S charged ⁻ X 12.2	Coc 92	mult		K_S shower ⁺ X 12.2	Coc 92	mult	
2frag X 6.014	Todorovic 93	cs		K_S shower X 12.2	Coc 92	mult		K_S shower ⁻ X 12.2	Coc 92	mult	
3frag X 6.014	Todorovic 93	cs		K_S shower ⁺ X 12.2	Coc 92	mult		Λ charged X 12.2	Coc 92	mult	
deuteron ^{238}U				K_S shower ⁻ X 12.2	Coc 92	mult		Λ charged ⁺ X 12.2	Coc 92	mult	
fragt X 8.982	Kozma 93	mass		Λ charged X 12.2	Coc 92	mult		Λ charged ⁻ X 12.2	Coc 92	mult	
deuteron deuteron				Λ charged ⁺ X 12.2	Coc 92	mult		Λ shower X 12.2	Coc 92	mult	
K_S X 10 - 13 12.2	Batyunya 93 Batyunya 93B Coc 92	a-dep,cs angp,cs,p,pt mult,p,pt		Λ charged ⁻ X 12.2	Coc 92	mult		Λ shower ⁺ X 12.2	Coc 92	mult	
Λ X 10 - 13 12.2	Batyunya 93 Batyunya 93B Coc 92	a-dep,cs angp,cs,p,pt mult,p,pt		Λ shower X 12.2	Coc 92	mult		Λ shower ⁻ X 12.2	Coc 92	mult	
$\bar{\Lambda}$ X 12.2	Coc 92	mult		Λ shower ⁺ X 12.2	Coc 92	mult		Λ shower ⁻ X 12.2	Coc 92	mult	
deuteron C				deuteron Pb				$^3\text{H p}$			
$0K_S$ charged X 12.2	Coc 92	mult		$0K_S$ charged X 12.2	Coc 92	mult		$^3\text{He X}$ 9	Avramenko 92B Avramenko 91	cs cs	
0Λ charged X 12.2	Coc 92	mult		0Λ charged X 12.2	Coc 92	mult		$^3\text{H deuteron}$			
0vee charged ⁺ X 12.2	Coc 92	pt		$0K_S$ charged ⁺ X 12.2	Coc 92	mult		$^3\text{H p n}$ 0.4106 - 0.4468	Blagus 91	angp	
0Λ charged ⁺ X 12.2	Coc 92	mult		0Λ charged ⁺ X 12.2	Coc 92	mult		$^3\text{H C}$			
$0K_S$ charged ⁺ X 12.2	Coc 92	mult		0vee charged ⁺ X 12.2	Coc 92	pt		π^- X 9	Avramenko 94	angp,p	
0vee charged ⁻ X 12.2	Coc 92	pt		0vee charged ⁻ X 12.2	Coc 92	pt		$^3\text{He X}$ 9	Avramenko 94 Avramenko 91	p cs	
$0K_S$ charged ⁻ X 12.2	Coc 92	mult		$0K_S$ charged ⁻ X 12.2	Coc 92	mult		$^3\text{H }^{12}\text{C}$			
0Λ charged ⁻ X 12.2	Coc 92	mult		0Λ charged ⁻ X 12.2	Coc 92	mult		$^3\text{He } \pi^-$ X 5.979	Avramenko 96	p	
$0K_S$ shower X 12.2	Coc 92	mult		0Λ shower X 12.2	Coc 92	mult		$^3\text{H Ne}$			
0Λ shower X 12.2	Coc 92	mult		$0K_S$ shower X 12.2	Coc 92	mult		$^3\text{He mult}[p] \text{ mult}[\pi^\pm] \text{ X}$ 9	Abdurakhimov 91	a-dep,cs,mult	
$0K_S$ shower ⁺ X 12.2	Coc 92	mult		0Λ shower ⁺ X 12.2	Coc 92	mult		$^3\text{H Mg}$			
				$0K_S$ shower ⁺ X 12.2	Coc 92	mult		mult $[\pi^-] \text{ X}$ 9	Avramenko 93	mult	



${}^3\text{He Ag}$	${}^3\text{He } {}^{197}\text{Au}$	${}^4\text{He } p$
mult[fragt] X 14.13 Kwiatkowski 95 mult,p	Bor X 2.417 - 5.752 Yennello 93 angp,p	2deuteron π^+ 2neutral (neutrals) 8.6 - 13.6 Glagolev 93B cs
p X 1.076 Zhu 91 angp,p	C X 2.417 - 5.752 Yennello 93 angp,p	2deuteron p 2neutral (neutrals) 8.6 - 13.6 Glagolev 93B cs
fragt X 0.7149 - 5.752 Yennello 93 angp,cs	C mult[frag] X 14.13 Kwiatkowski 95 mult,p	${}^3\text{H } 2\pi^+$ 2neutral (neutrals) 8.6 - 13.6 Glagolev 93B cs
Be X 1.707 - 5.752 Yennello 93 angp,p	C mult[fragt] X 14.13 Kwiatkowski 95 mult,p	${}^3\text{H } p \pi^+$ 2neutral (neutrals) 8.6 - 13.6 Glagolev 93B cs
Bor X 1.707 - 5.752 Yennello 93 angp,p	${}^3\text{He } {}^{208}\text{Pb}$	${}^3\text{H } 2p$ 2neutral (neutrals) 8.6 - 13.6 Glagolev 93B cs
C X 1.707 - 5.752 Yennello 93 angp,p 2.417 - 5.752 Yennello 93 angp,p	${}^3\text{H } X$ 2.417 - 3.896 Brockstedt 91 a-dep,angp,p	${}^3\text{H } \text{deuteron } \pi^+$ 2neutral (neutrals) 8.6 - 13.6 Glagolev 93B cs
2p X 1.076 Zhu 91 cor	${}^{208}\text{Pb } {}^3\text{He}$ 0.1979 - 0.3087 Goeckner 91 angp,const,cs	5charged 2neutral (neutrals) 8.6 - 13.6 Glagolev 93B cs
C mult[frag] X 14.13 Kwiatkowski 95 mult,p	1.649 Yamagata 94 ang	2p $2\pi^+$ π^- 2neutral (neutrals) 8.6 - 13.6 Glagolev 93B cs
C mult[fragt] X 14.13 Kwiatkowski 95 mult,p	${}^{208}\text{Bi } {}^3\text{H}$ 1.649 Harakeh 94 angp,p	3p π^+ π^- 2neutral (neutrals) 8.6 - 13.6 Glagolev 93B cs
${}^3\text{He } {}^{112}\text{Sn}$	${}^3\text{He Bi}$	4p π^- 2neutral (neutrals) 8.6 - 13.6 Glagolev 93B cs
${}^{112}\text{Sb } {}^3\text{H}$ 1.076 Pham 95 a-dep,angp,p	mult[n] X 3.896 Pienkowski 94 mult	deuteron p $2\pi^+$ π^- 2neutral (neutrals) 8.6 - 13.6 Glagolev 93B cs
${}^3\text{He } {}^{114}\text{Sn}$	${}^3\text{He U}$	${}^3\text{He } \text{deuteron}$ 2.7 Abdullin 92 cs
${}^{114}\text{Sb } {}^3\text{H}$ 1.076 Pham 95 a-dep,angp,p	mult[n] X 3.896 Pienkowski 94 mult	${}^4\text{He } p$ 2.7 Abdullin 92 cs 8.6 - 13.6 Glagolev 93B angp,cs
${}^3\text{He } {}^{118}\text{Sn}$	${}^4\text{He } p$	2deuteron p 2.7 Grechko 94 ang,angp,cs,pt
${}^{118}\text{Sb } {}^3\text{H}$ 1.076 Pham 95 a-dep,angp,p	X 2.7 Grechko 94 ang,angp,cs,pt	8.6 - 13.6 Glagolev 93B cs
${}^3\text{He } {}^{117}\text{Sn}$	8.6 - 13.6 Glagolev 93B cs	mult[charged] (neutrals) 8.6 - 13.6 Glagolev 93B mult
${}^{117}\text{Sb } {}^3\text{H}$ 1.076 Pham 95 a-dep,angp,p	mult[charged] (neutrals) 8.6 - 13.6 Glagolev 93B mult	p X 8.6 - 13.6 Sobchak 95B angp
${}^3\text{He } {}^{118}\text{Sn}$	p X 8.6 - 13.6 Sobchak 95B angp	p 0 π X 8.6 - 13.6 Sobchak 95B angp
${}^{118}\text{Sb } {}^3\text{H}$ 1.076 Pham 95 a-dep,angp,p	p 0 π X 8.6 - 13.6 Sobchak 95B angp	n X 8.6 - 13.6 Sobchak 95B angp
${}^3\text{He } {}^{119}\text{Sn}$	n X 8.6 - 13.6 Sobchak 95B angp	n 0 π X 8.6 - 13.6 Sobchak 95B angp
${}^{119}\text{Sb } {}^3\text{H}$ 1.076 Pham 95 a-dep,angp,p	n 0 π X 8.6 - 13.6 Sobchak 95B angp	2p X 8.6 - 13.6 Galazkafried 93 cor
${}^3\text{He } {}^{120}\text{Sn}$	2p X 8.6 - 13.6 Galazkafried 93 cor	3p X 8.6 - 13.6 Sobchak 95 angp,cs,p
${}^{120}\text{Sb } {}^3\text{H}$ 1.076 Pham 95 a-dep,angp,p	3p X 8.6 - 13.6 Sobchak 95 angp,cs,p	${}^3\text{He } \pi^+$ 2neutral (neutrals) 8.6 - 13.6 Glagolev 93B cs
${}^3\text{He } {}^{122}\text{Sn}$	${}^3\text{He } \pi^+$ 2neutral (neutrals) 8.6 - 13.6 Glagolev 93B cs	${}^3\text{He } p$ 2neutral (neutrals) 8.6 - 13.6 Glagolev 93B cs
${}^{122}\text{Sb } {}^3\text{H}$ 1.076 Pham 95 a-dep,angp,p	${}^3\text{He } p$ 2neutral (neutrals) 8.6 - 13.6 Glagolev 93B cs	${}^4\text{He } \pi^+$ 2neutral (neutrals) 8.6 - 13.6 Glagolev 93B cs
${}^3\text{He } {}^{124}\text{Sn}$	${}^4\text{He } \pi^+$ 2neutral (neutrals) 8.6 - 13.6 Glagolev 93B cs	${}^4\text{He } p$ 2neutral (neutrals) 8.6 - 13.6 Glagolev 93B cs
${}^{124}\text{Sb } {}^3\text{H}$ 1.076 Pham 95 a-dep,angp,p	${}^4\text{He } p$ 2neutral (neutrals) 8.6 - 13.6 Glagolev 93B cs	3charged 2neutral (neutrals) 8.6 - 13.6 Glagolev 93B cs
${}^3\text{He Au}$	3charged 2neutral (neutrals) 8.6 - 13.6 Glagolev 93B cs	3 π^+ 2neutral (neutrals) 8.6 - 13.6 Glagolev 93B cs
mult[n] X 3.896 Pienkowski 94 mult	3 π^+ 2neutral (neutrals) 8.6 - 13.6 Glagolev 93B cs	p $2\pi^+$ 2neutral (neutrals) 8.6 - 13.6 Glagolev 93B cs
mult[frag] X 4.621 - 14.13 Morley 95 et,mult	p $2\pi^+$ 2neutral (neutrals) 8.6 - 13.6 Glagolev 93B cs	2p π^+ 2neutral (neutrals) 8.6 - 13.6 Glagolev 93B cs
mult[fragt] X 4.621 - 14.13 Morley 95 et,mult	2p π^+ 2neutral (neutrals) 8.6 - 13.6 Glagolev 93B cs	3p 2neutral (neutrals) 8.6 - 13.6 Glagolev 93B cs
γ X 1.287 Pinston 92 angp,p	3p 2neutral (neutrals) 8.6 - 13.6 Glagolev 93B cs	deuteron $2\pi^+$ 2neutral (neutrals) 8.6 - 13.6 Glagolev 93B cs
${}^3\text{He } {}^{197}\text{Au}$	deuteron $2\pi^+$ 2neutral (neutrals) 8.6 - 13.6 Glagolev 93B cs	deuteron p π^+ 2neutral (neutrals) 8.6 - 13.6 Glagolev 93B cs
mult[frag] X 14.13 Kwiatkowski 95 mult,p	deuteron p π^+ 2neutral (neutrals) 8.6 - 13.6 Glagolev 93B cs	deuteron 2p 2neutral (neutrals) 8.6 - 13.6 Glagolev 93B cs
mult[fragt] X 14.13 Kwiatkowski 95 mult,p	deuteron 2p 2neutral (neutrals) 8.6 - 13.6 Glagolev 93B cs	
Be X 2.417 - 5.752 Yennello 93 angp,p		



${}^4\text{He } p$	${}^4\text{He } \text{nucleus}$	${}^4\text{He } \text{nucleus}$
${}^4\text{He } p \pi^+ \pi^-$ 8.6 - 13.6 Glagolev 93B cs	charged X 3.3 · 10 ⁵ - 7.2 · 10 ⁵ Apanasenko 92 mult,p	2black (blacks) X 18 Ghosh 94B ang,col
deuteron 3p π^- 8.6 - 13.6 Glagolev 93B cs	shower X 18 Ahmad 93C angp 47.58 Mukhopadhyay 93C mult,p	grey (greys) (showers) shower X 18 Ghosh 94B ang,col
2deuteron p $\pi^+ \pi^-$ 8.6 - 13.6 Glagolev 93B cs	Golde 92 mult,p Jain 92F mult,p Elnadi 94 mult	(showers) shower fragb (fragbs) X 18 Ghosh 94B ang,col
${}^3\text{H } 2p \pi^+ \pi^-$ 8.6 - 13.6 Glagolev 93B cs	243.7 Jain 92E mult,p 523.7 - 683.7 Jain 91 angp,mult	grey (greys) fragb (fragbs) X 18 Ghosh 94B ang,col
${}^3\text{H } \text{deuteron } 2\pi^+ \pi^-$ 8.6 - 13.6 Glagolev 93B cs	Jain 91B angp,mult Mukhopadhyay 93C p	black (blacks) fragb (fragbs) X 18 Ghosh 94B ang,col
${}^3\text{He } 2p \pi^0 \pi^-$ 8.6 - 13.6 Glagolev 93B cs	563.7 Golde 92 mult,p Jain 92F mult,p	${}^4\text{He } \text{deuteron}$ ${}^4\text{He } \text{deuteron}$ 7 Morsch 94 angp
${}^3\text{He } \text{deuteron } \pi^+ \pi^0 \pi^-$ 8.6 - 13.6 Glagolev 93B cs	grey X 18 Ahmad 93C angp 243.7 Elnadi 94 mult 523.7 - 683.7 Jain 91 angp,mult	${}^4\text{He } {}^4\text{He}$ ${}^2\text{He}$ 0.9451 Warner 94 ang ${}^5\text{He } {}^3\text{He}$ 0.9451 Warner 94 ang,angp,p
${}^4\text{He } p \pi^+ \pi^0 \pi^-$ 8.6 - 13.6 Glagolev 93B cs	htrack X 243.7 Elnadi 94 mult	${}^8\text{Be } \gamma$ 0.497 - 0.5119 Debraechelee 95 p
4p n π^- 8.6 - 13.6 Glagolev 93B cs	black X 18 Ahmad 93C angp 243.7 Elnadi 94 mult 523.7 - 683.7 Jain 91 angp,mult	${}^4\text{He } \text{Be}$ $\pi^- \text{ X}$ 11.12 Viryasov 92 angp,cs,p,pt
deuteron 3p $\pi^0 \pi^-$ 8.6 - 13.6 Glagolev 93B cs	$\gamma \text{ X}$ 3.3 · 10 ⁵ - 7.2 · 10 ⁵ Apanasenko 92 mult,p,pt	${}^4\text{He } \text{C}$ mult[charged⁻] X 16.8 Batskovich 91 cor,mult,p
deuteron 2p n $\pi^+ \pi^-$ 8.6 - 13.6 Glagolev 93B cs	$\pi^+ \text{ X}$ 18 - 35.6 Bondarev 93 angp,p	$\pi^0 \text{ X}$ 18 Abraamyan 92 a-dep,cs,p,pt
2deuteron p $\pi^+ \pi^0 \pi^-$ 8.6 - 13.6 Glagolev 93B cs	$\pi^- \text{ X}$ 18 - 35.6 Bondarev 93 angp,p	$\pi^- \text{ X}$ 16.51 Viryasov 92 angp,cs,p,pt
2deuteron n 2$\pi^+ \pi^-$ 8.6 - 13.6 Glagolev 93B cs	$K^+ \text{ X}$ 18 - 35.6 Bondarev 93 angp,p	16.8 Bekmirzaev 93 p,pt Backovic 92 a-dep,p,pt
${}^3\text{H } p n 2\pi^+ \pi^-$ 8.6 - 13.6 Glagolev 93B cs	$K^- \text{ X}$ 18 - 35.6 Bondarev 93 angp,p	p X 16.8 Bekmirzaev 94 angp,mult,p,pt
${}^3\text{He } p n \pi^+ \pi^0 \pi^-$ 8.6 - 13.6 Glagolev 93B cs	p X 18 - 35.6 Bondarev 93 angp,p	$\bar{p} \text{ X}$ 11.12 - 23.43 Chiba 94 a-dep,p
${}^4\text{He } \text{nucleus}$	deuteron X 18 - 35.6 Bondarev 93 angp,p	${}^3\text{H}_s \text{ X}$ 18 Avramenko 92 cs
inelastic 243.7 Elnadi 94 cs < 803.7 Baroni 91 cs	mult[grey] mult[shower] X 523.7 - 683.7 Jain 91 mult	${}^4\text{H}_s \text{ X}$ 18 Avramenko 92 cs
mult[charged] X 47.58 Jain 92G ang,col,mult,p 563.7 Jain 92G angp,col,mult,p	mult[htrack] mult[shower] 0fragb X 523.7 - 683.7 Jain 91C mult,p	(p's) (π^\pm's) X 16.8 Baatar 91 col,mult,p
mult[shower] X 18 Ahmad 93C mult 47.58 Mukhopadhyay 93 angp,mult,p Mukhopadhyay 93C mult,p	mult[black] mult[grey] X 523.7 - 683.7 Jain 91 mult	2γ X 18 Abraamyan 92 mass
243.7 Golde 92 mult,p 523.7 - 683.7 Jain 92E mult,p Jain 91 mult Jain 91B mult	shower mult[fragb] X 523.7 - 683.7 Jain 92E mult,p	${}^4\text{He } {}^{12}\text{C}$ mult[charged] (neutrals) 16.8 Angelov 91 col,mult
563.7 Mukhopadhyay 93 angp,mult,p Mukhopadhyay 93C mult,p	mult[grey] shower X 47.58 Golde 92 cor,mult,p 523.7 - 683.7 Jain 91 cor,mult,p 563.7 Golde 92 cor,mult,p	7 Morsch 94 angp
mult[grey] X 18 Ahmad 93C mult 47.58 Golde 92 mult 243.7 Elnadi 94 mult 523.7 - 683.7 Jain 91 mult 563.7 Golde 92 mult	mult[htrack] shower X 18 Bobodjanov 91 mult 243.7 Elnadi 94 mult	${}^4\text{He } {}^{24}\text{Mg}$ $\pi^0 \text{ X}$ 1.145 Waters 93 cs
mult[htrack] X 18 Ahmad 93C mult 243.7 Elnadi 94 mult	grey mult[grey] X 523.7 - 683.7 Jain 91 angp,cor,mult	${}^4\text{He } \text{Al}$ $\pi^\pm \text{ charged X}$ 17.74 Adyasevich 94B angp,cor
mult[black] X 18 Ahmad 93C mult 47.58 Golde 92 mult 523.7 - 683.7 Jain 91 mult 563.7 Golde 92 mult	mult[htrack] grey X 18 Bobodjanov 91 mult 243.7 Elnadi 94 mult	2p X 17.74 Adyasevich 94 angp,cor
	mult[htrack] black X 18 Bobodjanov 91 mult 243.7 Elnadi 94 mult	${}^4\text{He } \text{Fe}$ ${}^3\text{He } 20\text{charged (neutrals)}$ 8 · 10 ⁴ - 10 ⁵ Apanasenko 92 p
	black mult[black] X 523.7 - 683.7 Jain 91 angp,cor,mult	
	mult[grey] shower mult[shower] X 523.7 - 683.7 Jain 91B cor,mult,p	
	(showers) 2shower X 18 Ghosh 94B ang,col	
	2grey (greys) X 18 Ghosh 94B ang,col	

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

${}^4\text{He Fe} \rightarrow {}^3\text{He}$ 29charged (neutrals)He Pb \rightarrow p X

${}^4\text{He Fe}$	He Li	He ${}^{12}\text{C}$
${}^3\text{He}$ 29charged (neutrals) 4 · 10 ⁵ Apanasenko 93 p	mult[charged] X 18 Albaaj 94 mult	inelastic 0.7491 – 1.214 Auce 94 a-dep,cs
${}^4\text{He Cu}$	mult[charged ⁻] X 18 Albaaj 94 mult	He ${}^{16}\text{O}$
π^0 X 18 Abraamyan 92 a-dep,cs,p,pt	charged X 18 Albaaj 94 mult	inelastic 0.7491 – 1.214 Auce 94 a-dep,cs
\bar{p} X 11.12 – 23.43 Chiba 94 a-dep,p	charged ⁻ X 18 Albaaj 94 angp,mult,p,pt	He Ne
2γ X 18 Abraamyan 92 mass	π^- 0fragb X 18 Chkhaidze 95 angp,mult,p Chkhaidze 92 p,pt	mult[shower] mult[frag] X 18 Jipa 95 angp,mult
${}^4\text{He Ta}$	p 0fragb X 18 Chkhaidze 92 p,pt	He Al
π^- X 16.8 Bekmirzaev 94B angp,mult,p,pt Backovic 92 a-dep,p,pt	He ${}^9\text{Be}$	He X 17.9 Ableev 91C angp
${}^4\text{He Au}$	${}^5\text{He}$ 2He 1.228 Cowley 94 ang,angp,p	mult[charged ⁺] mult[charged ⁻] X 18 Besliu 93 angp,mult
dibaryon X 8 Kratenko 93 cs	He C	mult[shower] mult[frag] X 18 Jipa 95 angp,mult
$2p$ X 8 Kratenko 93 mass	mult[π^-] X 6.8 Ermakov 94 mult	He ${}^{28}\text{Si}$
${}^4\text{He }{}^{197}\text{Au}$	mult[nucleon] X 16.8 Kuznetsov 93 cor,mult,p	inelastic 0.7491 – 1.214 Auce 94 a-dep,cs
mult[frag] X 6.768 – 17.74 Lips 94 mult	π^0 X 18 Abraamyan 94C a-dep,angp,p	He ${}^{40}\text{Ca}$
frag mult[charged] X 6.768 – 17.74 Lips 94 mass,mult	π^- 0fragb X 18 Chkhaidze 95 angp,mult,p Chkhaidze 92 p,pt	inelastic 0.7491 – 1.214 Auce 94 a-dep,cs
2frag X 6.768 – 17.74 Lips 94 cor,p	π^- X 6.8 Ermakov 94 angp,cs,p 16.8 Backovic 91 a-dep,p,pt Baatar 90 angp,et,p,pt	He ${}^{48}\text{Ca}$
fragt fragb X 17.74 Lips 94B ang,cor	p X 2.57 – 5.83 Montarou 91 angp,p 3.807 Montarou 91 angp,p 16.8 Backovic 94 p Agakishiev 92 a-dep,angp,cs,p Backovic 92C a-dep,angp,p	inelastic 0.7491 – 1.214 Auce 94 a-dep,cs
2frag (frags) X 17.94 Shmakov 95 ang,cor	p 0fragb X 18 Chkhaidze 92 p,pt	He ${}^{58}\text{Ni}$
${}^4\text{He Pb}$	deuteron X 2.57 – 5.83 Montarou 91 angp,p 3.807 Montarou 91 angp,p	inelastic 0.7491 – 1.214 Auce 94 a-dep,cs
mult[charged] (neutrals) > 2 · 10 ⁴ Apanasenko 94 mult,p	dibaryon X 16.8 Didenko 91B ang	He ${}^{60}\text{Ni}$
mult[htrack] shower X 18 Bobodjanov 91 mult	tribaryon X 16.8 Didenko 91B ang	inelastic 0.7491 – 1.214 Auce 94 a-dep,cs
mult[htrack] grey X 18 Bobodjanov 91 mult	He X 17.9 Ableev 91C angp	He Cu
mult[htrack] black X 18 Bobodjanov 91 mult	mult[charged ⁺] mult[charged ⁻] X 18 Besliu 93 angp,mult	π^0 X 18 Abraamyan 94C a-dep,angp,p
π^\pm charged X 17.74 Adyasevich 94B angp,cor	mult[shower] mult[frag] X 18 Jipa 95 angp,mult	p X 2.57 – 5.83 Montarou 91 angp,p
$2p$ X 17.74 Adyasevich 94 angp,cor	2γ X 18 Abraamyan 94C angp,mass	deuteron X 2.57 – 5.83 Montarou 91 angp,p
He p	$2\pi^-$ X 16.8 Simic 92 ang	He X 17.9 Ableev 91C angp
He X 7 Morsch 92 mass	p π^- X 16.8 Simic 92 ang	mult[charged ⁺] mult[charged ⁻] X 18 Besliu 93 angp,mult
He N(1440 P ₁₁) ⁺ 7 Morsch 92 angp	$2p$ X 16.8 Simic 92 ang	mult[shower] mult[frag] X 18 Jipa 95 angp,mult
He nucleus	2charged (charged) X 16.8 Angelov 94 col,cor	He ${}^{124}\text{Sn}$
charged X 18 Ahmad 91 cs		inelastic 0.7491 – 1.214 Auce 94 a-dep,cs
K^0 X 16.51 – 18.15 Okonov 94 angp,mult,p,pt		He Ta
Λ X 16.51 – 18.15 Okonov 94 angp,mult,p,pt		π^- X 16.8 Agakishiev 91 a-dep,angp Backovic 91 a-dep,p,pt
He He		p X 16.8 Backovic 94 p Agakishiev 92 a-dep,angp,cs,p Backovic 92C a-dep,angp,p
2He 1.228 Cowley 94 ang,angp,p		He Pb
He Li		p X 2.57 – 5.83 Montarou 91 angp,p
inelastic 18 Albaaj 94 cs		

He Pb → p X

¹¹Li C → X

He Pb				⁶ Li C				⁷ Li C			
p X				³ H _s X				⁷ Be X			
3.807	Montarou 91	angp,p		27	Avramenko 92	cs		21	Avramenko 92B	cs	
n X				⁴ H _s X				Avramenko 91C			
6.76	Daniel 92	angp,p		27	Avramenko 92	cs		⁷ Li Mg			
deuteron X				⁶ Li Pb				⁷ Be (charged-hadrons) X			
2.57 - 5.83	Montarou 91	angp,p		n X				21			
3.807	Montarou 91	angp,p		10.15	Daniel 92	angp,p		Avramenko 92B			
He X				⁷ Li p				angp,cs,mult			
17.9	Ableev 91C	angp		⁷ Be X				⁷ Li Al			
mult[charged ⁺] mult[charged ⁻] X				21				21			
18	Besliu 93	angp,mult		Avramenko 92B				Avramenko 91C			
mult[shower] mult[frag] X				Avramenko 91C				⁷ Li Cu			
18	Jipa 95	angp,mult		⁷ Li nucleus				⁷ Be X			
He ²⁰⁸ Pb				inelastic				21			
inelastic				26.74				Avramenko 91C			
0.7491 - 1.214	Auce 94	a-dep,cs		37.46	Yasin 95	a-dep,cs		⁷ Li Pb			
⁸ He p				shower X				⁷ Be X			
⁸ He p				31.76				21			
0.3862	Korshenninnik 93	angp,mass		Elnadi 94C				Avramenko 92B			
⁶ He p 2n				grey X				Avramenko 91C			
0.3862	Korshenninnik 93	angp,mass		31.76	Elnadi 94C	p		⁸ Li deuteron			
⁸ He Be				black X				⁷ Li ³ H			
⁶ He n X				31.76				0.3454 - 0.457			
1.907	Riisager 92	angp,cs		Elnadi 94C				Balbes 93			
⁸ He Ni				fragb X				⁹ Be n			
⁶ He n X				26.74				0.3454 - 0.457			
1.907	Riisager 92	angp,cs		Yasin 95				Balbes 93			
⁸ He Au				hadron (hadrons) X				⁸ Li C			
⁶ He n X				37.46				X			
1.907	Riisager 92	angp,cs		Yasin 95				3.154			
⁶ Li p				mult[htrack] shower X				Blank 93			
deuteron X				31.76				frag X			
8.39	Punjabi 92	dme,pt		Elnadi 94C				3.154			
³ H X				2shower X				⁸ Li Pb			
8.39	Punjabi 92	dme,pt		28.7	Elnaghy 94	cor,p		X			
⁴ He X				Be He X				3.154			
8.39	Punjabi 92	dme,pt		37.46	Yasin 95	a-dep,cs		frag X			
⁶ Li nucleus				(showers) 2shower X				Blank 92			
inelastic				28.7				Blank 93			
< 1206	Elsharkawy 94	cs		Elnaghy 94				Blank 92			
mult[shower] X				2grey (greys) X				⁹ Li C			
27	Elsharkawy 94	mult		28.7	Elnaghy 94	col		X			
mult[shower] 0fragb X				2black (blacks) X				3.548			
27	Elsharkawy 94	mult		28.7	Elnaghy 94	col		frag X			
p X				He hadron (hadrons) X				Blank 93			
27	Lepekhin 95	cs,p,pt		37.46	Yasin 95	a-dep,cs		3.548			
fragb X				3He X				Blank 92			
27	Lepekhin 94B	p,pt		37.46	Yasin 95	a-dep,cs		frag X			
deuteron X				Li 2hadron X				⁹ Li Al			
27	Lepekhin 95	cs,p,pt		37.46	Yasin 95	a-dep,cs		X			
³ H X				2He hadron (hadrons) X				Blank 93			
27	Lepekhin 95	cs,p,pt		37.46	Yasin 95	a-dep,cs		frag X			
³ He X				3He hadron X				Blank 92			
27	Lepekhin 95	cs,p,pt		37.46	Yasin 95	a-dep,cs		X			
⁴ He X				Li 3hadron X				Blank 93			
27	Lepekhin 94B	p,pt		37.46	Yasin 95	a-dep,cs		frag X			
⁶ He X				Li He 2π X				Blank 92			
27	Lepekhin 95	cs,p,pt		37.46	Yasin 95	a-dep,cs		X			
fragb X				2Li 2π X				⁹ Li Sn			
27	Lepekhin 95	cs,p,pt		37.46	Yasin 95	a-dep,cs		X			
deuteron X				Be He 2π X				Blank 93			
27	Lepekhin 95	cs,p,pt		37.46	Yasin 95	a-dep,cs		frag X			
³ H X				Bor p 2π X				Blank 92			
27	Lepekhin 95	cs,p,pt		37.46	Yasin 95	a-dep,cs		X			
³ He X				Li 4hadron X				⁹ Li Pb			
27	Lepekhin 94B	p,pt		37.46	Yasin 95	a-dep,cs		X			
⁴ He X				Li He 3π X				Blank 93			
27	Lepekhin 95	cs,p,pt		37.46	Yasin 95	a-dep,cs		frag X			
fragb X				Be He 3π X				Blank 92			
27	Lepekhin 95	cs,p,pt		37.46	Yasin 95	a-dep,cs		X			
deuteron X				Li 5hadron X				¹¹ Li Be			
27	Lepekhin 95	cs,p,pt		37.46	Yasin 95	a-dep,cs		X			
³ H X				Li He 4π X				⁹ Li n X			
27	Lepekhin 95	cs,p,pt		37.46	Yasin 95	a-dep,cs		2.621			
³ He X				Be He 4π X				Riisager 92			
27	Lepekhin 94B	p,pt		37.46	Yasin 95	a-dep,cs		angp,cs			
⁴ He X				Li He 5π X				¹¹ Li C			
27	Lepekhin 95	cs,p,pt		37.46	Yasin 95	a-dep,cs		X			
fragb X				Li He 5π X				4.337			
27	Lepekhin 94B	p,pt		37.46	Yasin 95	a-dep,cs		Blank 93			
deuteron X				Li He 5π X				cs			
27	Lepekhin 94B	p,pt		37.46	Yasin 95	a-dep,cs					

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$^{11}\text{Li C} \rightarrow \text{frag X}$ $\text{C Fe} \rightarrow \text{mult[charged]} (\text{neutrals})$

$^{11}\text{Li C}$	$^{14}\text{Be Be}$	C C
frag X 4.337 Blank 92 cs	$^{12}\text{Be X}$ 3.336 Riisager 92 angp,cs	$\pi^- \text{ X}$ 50.4 Simic 95 p,pt Backovic 91 a-dep,p,pt Baatar 90 angp,et,p,pt
$^{11}\text{Li Ni}$	$^{14}\text{Be Ni}$	$K^\pm \text{ X}$ 39.64 – 53.84 Baldin 92 cs
$^9\text{Li n X}$ 2.621 Riisager 92 angp,cs	$^{12}\text{Be X}$ 3.336 Riisager 92 angp,cs	$p \text{ X}$ 50.4 Simic 95 p,pt Backovic 94 p Agakishiev 92 a-dep,angp,cs,p Backovic 92C a-dep,angp,p
$^{11}\text{Li Sn}$	$^{14}\text{Be Au}$	$p \text{ ofragb X}$ 54 Chkhaidze 92 p,pt
X 4.337 Blank 93 cs	$^{12}\text{Be X}$ 3.336 Riisager 92 angp,cs	$\Delta(1232 P_{33})^{++} \text{ X}$ 50.4 Krpic 92 cs
frag X 4.337 Blank 92 cs	$^{11}\text{Bor nucleus}$	dibaryon X 50.4 Didenko 91B ang
$^{11}\text{Li Au}$	inelastic < 2210 Baroni 91 cs	tribaryon X 50.4 Didenko 91B ang
$^9\text{Li n X}$ 2.621 Riisager 92 angp,cs	C p	mult[charged ⁺] mult[charged ⁻] X 54 Besliu 93 angp,mult
$^{11}\text{Li Pb}$	He X 54 Ameeva 94 a-dep,pt	mult[shower] mult[frag] X 54 Jipa 95 angp,mult
X 4.337 Blank 93 cs	C nucleus	$2\gamma \text{ X}$ 54 Abraamyan 94C angp,mass
frag X 4.337 Blank 92 cs	mult[charged] X 47.91 Gulamov 95 cor,mult,p	$\pi^- \text{ mult[charged] X}$ 50.4 Angelov 92B col,pt
$^9\text{Be nucleus}$	mult[π^\pm] X 54 Tauseef 92 angp,mult	mult[p] $\pi^- \text{ X}$ 50.4 Simic 95 mult,p,pt
inelastic < 1808 Baroni 91 cs	mult[p] X 54 Tauseef 92 angp,mult	$K^0 \text{ mult[charged] X}$ 50.4 Angelov 92B col
$^{11}\text{Be } ^9\text{Be}$	mult[shower] X 54 Tauseef 92 angp,mult	$p \text{ mult[charged] X}$ 50.4 Angelov 92B col,pt
n X 3.074 Anne 94 cs	mult[grey] X 54 Tauseef 92 angp,mult	$p \text{ mult[p] X}$ 50.4 Simic 95 mult,p,pt
frag X 3.074 Anne 94 p	shower X 54 Ahmad 92 p	$2p \text{ X}$ 50.4 Simic 92 ang,p,pt
$^{10}\text{Be X}$ 3.074 Anne 94 cs	$K^0 \text{ X}$ 49.54 – 54.45 Okonov 94 angp,mult,p,pt	$\Lambda \text{ mult[charged] X}$ 50.4 Angelov 92B col
n frag X 3.074 Anne 94 p	$\Lambda \text{ X}$ 49.54 – 54.45 Okonov 94 angp,mult,p,pt	$2\text{charged (charged)} \text{ X}$ 50.4 Boos 95 col,cor,p Angelov 94 col,cor
$^{10}\text{Be n X}$ 3.074 Anne 94 angp	He X 54 Ameeva 94 a-dep,pt	$2\pi (\pi^s) \text{ X}$ 50.4 Vinitsky 91 ang,col
$^{11}\text{Be C}$	shower mult[shower] X 54 Ahmad 92 mult,p	$2p (p^s) \text{ X}$ 50.4 Bazarov 95 ang,col,cor,mult Bazarov 94 angp,col Vinitsky 91 ang,col
inelastic 2.752 Fukuda 91 cs	mult[grey] shower X 54 Ahmad 92 mult,p	$2p (p^s) (\pi^\pm s) \text{ X}$ 50.4 Angelov 92 ang,cor,p
$^{10}\text{Be X}$ 2.752 Fukuda 91 cs	mult[htrack] shower X 54 Ahmad 92 mult,p	C Ne
$^{11}\text{Be Al}$	(showers) 2shower X 54 Ghosh 94B ang,col	0fragb mult[charged] X 54 Sarkisyan 93 col Sarkisyan 93B col Gelovani 92 col
$^{11}\text{Be Ti}$	2htrack (htracks) X 54 Ghosh 94B ang,col	$\pi^- \text{ ofragb X}$ 54 Chkhaidze 95 angp,mult,p Chkhaidze 92 p,pt
n X 3.074 Anne 94 cs	(showers) shower fragb (fragbs) X 54 Ghosh 94B ang,col	$p \text{ ofragb X}$ 54 Chkhaidze 92 p,pt
frag X 3.074 Anne 94 p	htrack (htracks) fragb (fragbs) X 54 Ghosh 94B ang,col	mult[shower] mult[frag] X 54 Jipa 95 angp,mult
$^{10}\text{Be X}$ 3.074 Anne 94 cs	nucleus 3He 50.4 Belaga 95E ang,cor,mass,pt	C Fe
n frag X 3.074 Anne 94 p	54 Belaga 95C ang,cor,mass,pt	mult[charged] (neutrals) > $6 \cdot 10^4$ Apanasenko 94 mult,p
$^{10}\text{Be n X}$ 3.074 Anne 94 angp	54 Belaga 94 cor,pt	
$^{11}\text{Be } ^{197}\text{Au}$	C C	
n X 3.074 Anne 94 cs	mult[charged ⁻] X 50.4 Batskovich 91 cor,mult,p	
frag X 3.074 Anne 94 p	mult[nucleon] X 50.4 Kuznetsov 93 cor,mult,p	
$^{10}\text{Be X}$ 3.074 Anne 94 cs	$\pi^\pm \text{ X}$ 39.64 – 53.84 Baldin 92 cs	
n frag X 3.074 Anne 94 p	$\pi^0 \text{ X}$ 54 Abraamyan 94C a-dep,angp,p	
$^{10}\text{Be n X}$ 3.074 Anne 94 angp		

C Cu \rightarrow 0fragb mult[charged] X ^{12}C nucleus \rightarrow grey shower X

C Cu	C Pb	^{12}C nucleus
0fragb mult[charged] X 54 Sarkisyan 93 col Sarkisyan 93B col Gelovani 92 col	π^- 0fragb X Chkhaidze 92 p,pt	grey X Ahmad 93C angp Elnagdy 93 angp,mult Ghosh 92D mult
mult[charged] X 54 Sarkisyan 92 col Sarkisyan 92B col Sarkisyan 91 mult,p	p X 20.31 Daniel 92 angp,p	htrack X 54 Elnagdy 93 angp,mult
charged X 54 Sarkisyan 91 p	p 0fragb X 54 Chkhaidze 92 p,pt	black X 54 Ahmad 95 mult Tariq 94 angp,p Ahmad 93B angp,mult Ahmad 93C angp Elnagdy 93 angp,mult
π^0 X 54 Abraamyan 94C a-dep,angp,p	n X 20.31 Daniel 92 angp,p	π^+ X 4.077 - 4.913 Batkin 91 angp 54 - 106.8 Bondarev 93 angp,p
π^- 0fragb X 54 Chkhaidze 92 p,pt	deuteron X 20.31 Daniel 92 angp,p	π^0 X 4.077 - 4.913 Batkin 91 cs,p
0n π^- 0fragb X 54 Chkhaidze 95 angp,mult,p	^3H X 20.31 Daniel 92 angp,p	π^- X 4.077 - 4.913 Batkin 91 angp 54 - 106.8 Bondarev 93 angp,p
p 0fragb X 54 Chkhaidze 92 p,pt	mult[charged $^+$] mult[charged $-$] X 54 Besliu 93 angp,mult	K^+ X 54 - 106.8 Bondarev 93 angp,p
^{24}Na X 54.04 Brandt 92 angp,cs	mult[shower] mult[frag] X 54 Jipa 95 angp,mult	K^- X 54 - 106.8 Bondarev 93 angp,p
mult[charged $^+$] mult[charged $-$] X 54 Besliu 93 angp,mult	^{12}C p	p X 54 - 106.8 Bondarev 93 angp,p
mult[shower] mult[frag] X 54 Jipa 95 angp,mult	π^- X 54 Afanasyev 93C p	frag X 54 Tariq 94 angp,p
2γ X 54 Abraamyan 94C angp,mass	fragb X 50.4 Belaga 95B angp,mult,p,pt	fragb X 54 Ghosh 94D pt Ahmad 91 angp
n (n's) X 22 - 44 Bisplinghoff 94 cs	π^- mult[charged] X 54 Afanasyev 93C cor,mult,p	deuteron X 54 - 106.8 Bondarev 93 angp,p
C Zr	π^+ π^- X 50.4 Pluta 93 cor,mass	He X 49.14 Belaga 95 cs,p,pt 54 Ahmad 91 angp
mult[charged $^+$], mult[charged $-$] X 54 Besliu 93 angp,mult	p fragb X 50.4 Belaga 95B angp,mult,p,pt	mult[grey] mult[shower] X 54 Ahmad 95 mult Ahmad 91B mult
mult[shower] mult[frag] X 54 Jipa 95 angp,mult	deuteron fragb X 50.4 Belaga 95B angp,mult,p,pt	mult[htrack] mult[shower] X 54 Ahmad 95 mult
C Ta	^3H fragb X 50.4 Belaga 95B angp,mult,p,pt	mult[htrack] mult[shower] 0fragb X 54 Ahmad 93B mult
mult[charged $-$] X 50.4 Batskovich 91 cor,mult,p	^3He p 50.4 Bondarenko 94 ang,cs,pt	mult[htrack] mult[grey] X 54 Ahmad 95 mult
π^- X 50.4 Simic 95 p,pt Agakishiev 91 a-dep,angp Backovic 91 a-dep,p,pt	^{12}C nucleus	mult[black] mult[shower] X 54 Ahmad 95 mult
p X 50.4 Simic 95 p,pt Backovic 94 p Agakishiev 92 a-dep,angp,cs,p Backovic 92C a-dep,angp,p	inelastic 54 Yasinelbakry 95 a-dep,cs,mult < 2411 Baroni 91 cs	mult[black] mult[grey] X 54 Ahmad 95 mult
mult[p] π^- X 50.4 Simic 95 mult,p,pt	mult[charged] X 54 Ghosh 93C mult,p	mult[htrack] mult[black] X 54 Ahmad 95 mult
p mult[p] X 50.4 Simic 95 mult,p,pt	mult[shower] X 54 Ahmad 95 mult Ahmad 94 mult Ahmad 93 mult Ahmad 93C mult Ghosh 93D mult,p	mult[htrack] mult[black] 0fragb X 54 Ahmad 93B mult
2charged (charged) X 50.4 Boos 95 col,cor,p	mult[grey] X 54 Ahmad 93C mult	mult[grey] shower X 54 Ahmad 93C cor,mult
2p (p's) X 50.4 Bazarov 95 angp,col,cor,mult Bazarov 94 angp,col	mult[htrack] X 54 Ahmad 93C mult	mult[htrack] shower X 54 Ahmad 93C cor,mult Ghosh 92D cs Bobodjanov 91 mult
2p (p's) (π^{\pm} 's) X 50.4 Angelov 92 ang,cor,p	mult[black] X 54 Ahmad 93C mult	mult[black] shower X 54 Ahmad 93C cor,mult
C Pb	shower X 54 Ahmad 95 mult Ahmad 94 mult Tariq 94 angp,p Ahmad 93 mult Ahmad 93B angp,mult,p Ahmad 93C angp Elnagdy 93 angp,mult Ghosh 92D mult	2shower X 54 Ahmad 94 cor,p
mult[charged] (neutrals) > 6 · 10 4 Apanasenko 94 mult,p	grey X 54 Ahmad 95 mult Tariq 94 angp,p Ahmad 93B angp,mult	grey mult[shower] X 54 Ahmad 93C cor,mult
π^- 0fragb X 54 Chkhaidze 95 angp,mult,p		mult[htrack] grey X 54 Ghosh 92D cs Bobodjanov 91 mult
		grey shower X 54 Ghosh 92D cor

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{1ab} in GeV/c, or in parentheses E_{cm} in GeV.

^{12}C nucleus \rightarrow htrack mult[shower] X $^{12}\text{C } ^{115}\text{In} \rightarrow ^{97}\text{Rh X}$

^{12}C nucleus	$^{12}\text{C C}$	$^{12}\text{C Cu}$
htrack mult[shower] X 54 Ahmad 93C cor,mult	$^4\text{He X}$ 50.4 Bondarenko 94 pt	2deuteron X 53.22 Adyasevich 94 angp,cor
black mult[shower] X 54 Ahmad 93C cor,mult	(p's) (π^\pm 's) X 50.4 Baatar 91 col,mult,p	$^2\text{H X}$ 53.22 Adyasevich 94 angp,cor
mult[htrack] black X 54 Bobodjanov 91 mult	π^- mult[charged] X 54 Afanasyev 93C cor,mult,p	$^{12}\text{C Yt}$
fragb (fragbs) X 64.21 Ghosh 94D col,p,pt	$\pi^+ \pi^- X$ 50.4 Pluta 93 cor,mass	fragt X 53.83 Fedorets 94 cs
mult[htrack] fragb X 54 Ahmad 91 angp,mult	$\text{C } ^3\text{He}$ 50.4 Bondarenko 94 ang,cs,pt	$^{12}\text{C Ag}$
He mult[htrack] X 54 Ahmad 91 angp,mult	$^{12}\text{C } ^{12}\text{C}$	frag X 2.329 Chen 94B cs
$^2\text{He X}$ 54 Belaga 95D ang,mass	mult[charged] (neutrals) 50.4 Angelov 91 col,mult	fragt X 53.83 Fedorets 94 cs
mult[black] mult[grey] mult[shower] X 54 Khan 95 a-dep,cor,mult	mult[frag] X 3.898 - 6.712 Llope 95 col,mult	$^{12}\text{C } ^{115}\text{In}$
mult[htrack] mult[grey] shower 0fragb X 54 Ahmad 93B cor,mult	$\pi^0 X$ 54 Abraamyan 91 pt	$^{48}\text{Va X}$ 3.395 Li 92 cs
(showers) 2shower X 52.8 Belaga 95F ang,col,cor	$2\gamma X$ 54 Abraamyan 91 mass	$^{57}\text{Co X}$ 3.395 Li 92 cs
54 Ahmad 94 col	$^{12}\text{Nit } ^{12}\text{Bor}$ 6.233 Ichihara 94 angp	$^{67}\text{Ga X}$ 3.395 Li 92 cs
mult[htrack] 2shower X 54 Ahmad 93D cor,p	$^{12}\text{C Al}$	$^{72}\text{As X}$ 3.395 Li 92 cs
2grey (greys) X 52.8 Belaga 95F ang,col,cor	π^\pm charged X 53.22 Adyasevich 94B angp,cor	$^{73}\text{Se X}$ 3.395 Li 92 cs
mult[htrack] black mult[grey] 0fragb X 54 Ahmad 93B cor,mult	$2p X$ 53.22 Adyasevich 94 angp,cor	$^{75}\text{Se X}$ 3.395 Li 92 cs
2black (blacks) X 52.8 Belaga 95F ang,col,cor	2deuteron X 53.22 Adyasevich 94 angp,cor	$^{76}\text{Br X}$ 3.395 Li 92 cs
(showers) 3shower X 54 Ahmad 93D col	$^2\text{H X}$ 53.22 Adyasevich 94 angp,cor	$^{81}\text{Rb X}$ 3.395 Li 92 cs
mult[htrack] 3shower X 54 Ahmad 93D cor,p	π^\pm charged mult[charged] X 53.22 Adyasevich 94B angp,cor,mult	$^{82}\text{Rb X}$ 3.395 Li 92 cs
mult[htrack] (showers) 3shower X 54 Ahmad 93D col,mult,p	$^{12}\text{C } ^{58}\text{Ni}$	$^{83}\text{Rb X}$ 3.395 Li 92 cs
mult[htrack] 4shower X 54 Ahmad 93D cor,p	$2p X$ 3.584 Xi 93 cor	$^{84}\text{Rb X}$ 3.395 Li 92 cs
28htrack (htracks) 0fragb X 54 Ahmad 93B cs	deuteron p X 3.584 Xi 93 cor	$^{83}\text{Sr X}$ 3.395 Li 92 cs
28htrack (htracks) shower 0fragb X 54 Ahmad 93B angp,mult,p	2deuteron X 3.584 Xi 93 cor	$^{85}\text{Sr X}$ 3.395 Li 92 cs
28htrack (htracks) grey 0fragb X 54 Ahmad 93B angp,mult	$^2\text{H X}$ 3.584 Xi 93 cor	$^{84}\text{Yt X}$ 3.395 Li 92 cs
28htrack black (htracks) 0fragb X 54 Ahmad 93B angp,mult	$^3\text{He deuteron X}$ 3.584 Xi 93 cor	$^{86}\text{Yt X}$ 3.395 Li 92 cs
28htrack (htracks) 2shower 0fragb X 54 Ahmad 93B col,cor	$^4\text{He p X}$ 3.584 Xi 93 cor	$^{89}\text{Zr X}$ 3.395 Li 92 cs
28htrack (htracks) 3shower 0fragb X 54 Ahmad 93B col,cor	$^4\text{He deuteron X}$ 3.584 Xi 93 cor	$^{90}\text{Nb X}$ 3.395 Li 92 cs
28htrack (htracks) 4shower 0fragb X 54 Ahmad 93B col,cor	$^2\text{He X}$ 3.584 Xi 93 cor	$^{92}\text{Nb X}$ 3.395 Li 92 cs
nucleus ^3He 49.14 Belaga 95 ang,cs,p,pt	$^{12}\text{C Cu}$	$^{90}\text{Mo X}$ 3.395 Li 92 cs
$^{12}\text{C C}$	mult[charged] X 54 Sarkisyan 95 col,cor,mult,p,pt	$^{93}\text{Mo X}$ 3.395 Li 92 cs
mult[charged] X 54 Afanasyev 93C mult	$\bar{p} X$ 53.83 Baldin 95 a-dep,angp	$^{93}\text{Tc X}$ 3.395 Li 92 cs
$\pi^- X$ 50.4 Bekmirzaev 93 p,pt	π^\pm charged X 53.22 Adyasevich 94B angp,cor	$^{94}\text{Tc X}$ 3.395 Li 92 cs
54 Backovic 92 a-dep,p,pt	$2p X$ 53.22 Adyasevich 94 angp,cor	$^{95}\text{Tc X}$ 3.395 Li 92 cs
Afanasyev 93C p		$^{96}\text{Tc X}$ 3.395 Li 92 cs
p X 50.4 Bekmirzaev 94 angp,mult,p,pt		$^{94}\text{Ru X}$ 3.395 Li 92 cs
$\bar{p} X$ 53.83 Baldin 95 a-dep,angp		$^{95}\text{Ru X}$ 3.395 Li 92 cs
		$^{97}\text{Ru X}$ 3.395 Li 92 cs
		$^{103}\text{Ru X}$ 3.395 Li 92 cs
		$^{97}\text{Rh X}$ 3.395 Li 92 cs

$^{12}\text{C } ^{115}\text{In} \rightarrow ^{99}\text{Rh X}$ $\text{O Cu} \rightarrow \text{X}$

$^{12}\text{C } ^{115}\text{In}$		$^{12}\text{C Ta}$		$^{14}\text{Nit nucleus}$	
$^{99}\text{Rh X}$ 3.395	Li 92	$\pi^- \text{ X}$	Backovic 92 a-dep,p,pt	$\pi^0 \text{ X}$ 3.608	Batkin 91 angp,cs,p
$^{100}\text{Rh X}$ 3.395	Li 92	$^4\text{He X}$ 50.4	Bondarenko 94 pt	(showers) 2shower X 40.6	Belaga 95F ang,col,cor
$^{101}\text{Rh X}$ 3.395	Li 92	$\pi^+ \pi^- \text{ X}$ 50.4	Pluta 93 cor,mass	2grey (greys) X 40.6	Belaga 95F ang,col,cor
$^{105}\text{Rh X}$ 3.395	Li 92	Ta ^3He 50.4	Bondarenko 94	2black (blacks) X 40.6	Belaga 95F ang,col,cor
$^{106}\text{Rh X}$ 3.395	Li 92		ang,cs,pt		
$^{100}\text{Pd X}$ 3.395	Li 92	$^{12}\text{C } ^{197}\text{Au}$		$^{14}\text{Nit C}$	
$^{100}\text{Ag X}$ 3.395	Li 92	2p X 3.584	Xi 93 cor	$\pi^- \text{ X}$ 3.912 - 7.271	Suzuki 91 angp,p
$^{101}\text{Ag X}$ 3.395	Li 92	$^{12}\text{C Pb}$		$^{14}\text{Nit Cu}$	
$^{102}\text{Ag X}$ 3.395	Li 92	mult[charged] X 54	Afanasyev 93C mult	frag X 2.851	Sosin 94 angp,p
$^{103}\text{Ag X}$ 3.395	Li 92	$\pi^- \text{ X}$ 54	Afanasyev 93C p	$^{14}\text{Nit Ag}$	
$^{104}\text{Ag X}$ 3.395	Li 92	$\bar{p} \text{ X}$ 53.83	Baldin 95 a-dep,angp	frag X 2.851	Sosin 94 angp,p
$^{105}\text{Ag X}$ 3.395	Li 92	mult[htrack] shower X 54	Bobodjanov 91 mult	$^{14}\text{Nit } ^{159}\text{Tb}$	
$^{108}\text{Ag X}$ 3.395	Li 92	mult[htrack] grey X 54	Bobodjanov 91 mult	frag X 2.851	Sosin 94 angp,p
$^{110}\text{Ag X}$ 3.395	Li 92	mult[htrack] black X 54	Bobodjanov 91 mult	$^{17}\text{Nit Be}$	
$^{111}\text{Ag X}$ 3.395	Li 92	$\pi^- \text{ mult[charged] X}$ 54	Afanasyev 93C cor,mult,p	inelastic 23.8	Ozawa 94 cs
$^{104}\text{Cd X}$ 3.395	Li 92	$\pi^\pm \text{ charged X}$ 53.22	Adyasevich 94B angp,cor	$^{17}\text{Nit C}$	
$^{111}\text{Cd X}$ 3.395	Li 92	2p X 53.22	Adyasevich 94 angp,cor	inelastic 22.98 - 23.5	Ozawa 94 cs
$^{115}\text{Cd X}$ 3.395	Li 92	2deuteron X 53.22	Adyasevich 94 angp,cor	$^{17}\text{Nit Al}$	
$^{108}\text{In X}$ 3.395	Li 92	$^2\text{H X}$ 53.22	Adyasevich 94 angp,cor	inelastic 23.39	Ozawa 94 cs
$^{109}\text{In X}$ 3.395	Li 92	(showers) 2shower X 54	Elnaghy 94 col	O p	
$^{110}\text{In X}$ 3.395	Li 92	$\pi^\pm \text{ charged mult[charged] X}$ 53.22	Adyasevich 94B angp,cor,mult	2fragb (fragbs) X 50	Gaitinov 94 cs,mass
$^{111}\text{In X}$ 3.395	Li 92	2grey (greys) (showers) 2shower X 54	Elnaghy 94 col	O nucleus	
$^{112}\text{In X}$ 3.395	Li 92	$^{12}\text{C } ^{208}\text{Pb}$		mult[charged] X 63.89	Gulamov 95 cor,mult,p
$^{113}\text{In X}$ 3.395	Li 92	mult[frag] X 53.83	Grabez 93 a-dep,ang,cs,mult	shower X 254.5	Gulyamov 92 mult
$^{114}\text{In X}$ 3.395	Li 92	$^{13}\text{C C}$		974.8 - 3215	Gulyamov 92 mult
$^{116}\text{In X}$ 3.395	Li 92	inelastic 3.252	Fukuda 91 cs	$\gamma \text{ X}$ 3215	Raha 91 a-dep,et,pt
$^{117}\text{In X}$ 3.395	Li 92	$^{13}\text{C Al}$		$\pi^0 \text{ X}$ 3215	Raha 91 a-dep,et,pt
$^{117}\text{Sb X}$ 3.395	Li 92	inelastic 3.252	Fukuda 91 cs	$K^0 \text{ X}$ 66.04 - 72.59	Okonov 94 angp,mult,p,pt
2p X 3.584	Xi 93	$^{13}\text{Nit p}$		$\Lambda \text{ X}$ 66.04 - 72.59	Okonov 94 angp,mult,p,pt
$^{12}\text{C Sn}$		$^{14}\text{O } \gamma$ 0.4457 - 0.8313	Decrock 93 cs	O C	
$^{99}\text{Rh X}$ 43.8	Kozma 91B	Nit nucleus		X 974.8 - 3215	Albrecht 91Q pt
$^{110}\text{In X}$ 43.8	Kozma 91B	2He X 26.35	Belaga 95D ang,mass	O Ne	
$^{12}\text{C Ta}$		$^{14}\text{Nit nucleus}$		mult[charged ⁺] mult[charged ⁻] X 72	Besliu 93 angp,mult
$\pi^- \text{ X}$ 50.4	Bekmirzaev 94B angp,mult,p,pt	inelastic < 2813	Baroni 91 cs	mult[shower] mult[frag] X 72	Jipa 95 angp,mult
				O Al	
				X 974.8 - 3215	Albrecht 91Q pt
				charged X 233.6	Abbott 92B cs,et,p
				O Cu	
				X 974.8 - 3215	Albrecht 91Q pt

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

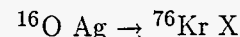
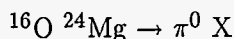
$^{16}\text{O } p \rightarrow 2\pi^- \text{ mult[charged] X}$ $^{16}\text{O nucleus} \rightarrow \text{mult[htrack] mult[black] X}$

$^{16}\text{O } p$	$^{16}\text{O nucleus}$	$^{16}\text{O nucleus}$
$2\pi^- \text{ mult[charged] X}$ 62.76 Glagolev 89 mult	mult[grey] X 3215 Adamovich 95F mult Dabrowska 93 mult Dabrowska 93C mult	$\omega \text{ X}$ 3215 Jacob 91 cs,et
$3\pi^- \text{ mult[charged] X}$ 62.76 Glagolev 89 mult	$\text{mult[htrack] 0fragb X}$ 3215 Baroni 91 mult	$\phi(1020) \text{ X}$ 3215 Jacob 91 cs,et
$\text{C He } p$ 3215 Baroni 92 angp,cs,p	mult[htrack] X 3200 Elnadi 93 mult 3215 Adamovich 95F mult	baryon X 3215 Kampert 92 a-dep,p
$\text{Nit } 2p$ 3215 Baroni 92 angp,cs,p	mult[black] X 1.546 - 3215 Adamovich 91B mult 2.297 - 3215 Otterlund 91 mult 974.8 - 3215 Jain 91 mult Sengupta 91 mult Elnadi 93 mult 3200 Adamovich 95F mult 3215 Dabrowska 93 mult Dabrowska 93C mult	anomalon X 232 Cecchini 93 cs
$^{16}\text{O nucleus}$		frag X 10.56 Barz 92 angp
inelastic 54 Yasinelbakry 95 a-dep,cs,mult	charged X 33.6 Ghosh 91 mult,p	fragb X 25.23 - 70.95 Hirzebruch 92 cs 46.16 Ghosh 94D pt 230.4 Hirzebruch 92 cs 232 Cecchini 93 cs 3215 Dabrowska 93 mass
72 Sherif 95 cs	shower 0fragb X 3215 Baroni 91 cs,mult	$^4\text{He X}$ 974.8 Elnadi 94 mult
974.8 - 3215 Sengupta 91 cs	shower X 46.16 Ghosh 93E mult,p 72.59 Adamovich 92C mult,p Adamovich 92D mult,p Adamovich 92F mult,p Otterlund 91 mult,p Adamovich 92C mult,p Adamovich 92D mult,p Adamovich 92F mult,p Mukhopadhyay 93B mult,p	$^4\text{He 0htrack X}$ 974.8 Elnadi 94 mult
3200 Elnadi 93 cs	72.59 - 3215 Otterlund 91 mult,p	C X 25.23 - 70.95 Hirzebruch 92 cs 230.4 Hirzebruch 92 cs
3215 Baroni 91 cs	248.1 Adamovich 92C mult,p Adamovich 92D mult,p Adamovich 92F mult,p Jain 92E mult,p Jain 91 angp,mult Jain 91B p Sengupta 91 p Dabrowska 93 mult,p Baroni 91 mult,p	Nit X 25.23 - 70.95 Hirzebruch 92 cs 230.4 Hirzebruch 92 cs
$(\text{showers}) \text{ X}$ 233.1 Adamovich 92B angp,col,mult,p Stenlund 91 angp,col,mult,p	974.8 - 3215 Mukhopadhyay 93D mult,p Jain 92G angp,col,mult,p	$\text{mult[shower] mult[charged-] X}$ 974.8 Elnadi 95B mult
959.9 - 3200 Adamovich 92B angp,col,mult,p Stenlund 91 angp,col,mult,p	grey X 233.1 Adamovich 91C angp,mult 959.9 - 3200 Adamovich 91C angp,mult 974.8 - 3215 Jain 91 angp,mult Sengupta 91 angp Dabrowska 93 angp,mult Dabrowska 93C mult Baroni 91 angp	$\text{mult[shower] mult[fragb] X}$ 72.59 Adamovich 92C mult,p 233.1 Adamovich 91 mult,p Adamovich 91C mult Adamovich 90C mult,p 248.1 Adamovich 92C mult,p 959.9 - 3200 Adamovich 91C mult,p Adamovich 91C mult,p Adamovich 90C mult,p 974.8 - 3215 Adamovich 92C mult,p 3215 Dabrowska 93 mult
mult[charged] X 1.546 - 3215 Adamovich 91B mult 2.297 - 3215 Otterlund 91 mult 33.6 Ghosh 93C mult,p 46.16 Ghosh 94F col,cor,mult,p	htrack 0fragb X 3215 Baroni 91 cs,mult	$\text{mult[htrack] mult[fragb] X}$ 974.8 - 3215 Jain 91 mult 3215 Adamovich 95F mult cor,mult
233.1 - 3200 Schmitz 91 angp,col,p Adamovich 90B mult,p	htrack X 3215 Baroni 91 cs,mult	$\text{mult[htrack] (showers) 0fragb X}$ 959.9 - 3200 Jain 92C angp,col,mult,p
974.8 - 3215 Mukhopadhyay 93D mult,p	black X 46.16 Ghosh 94E angp,mult 233.1 Adamovich 91C angp,mult	$\text{mult[He] mult[htrack] X}$ 3215 Baroni 91 mult
$\text{mult[charged] (neutrals)}$ 33.6 Ghosh 91 cor,mult,p 233.1 - 3200 Buschbeck 91 angp,col,mult,p	htrack 0fragb X 3215 Baroni 91 cs,mult	$\text{mult[htrack] mult[shower] X}$ 3200 Elnadi 93 mult 3215 Adamovich 95F mult
mult[fragb] X 3215 Dabrowska 93 mult	black X 46.16 Ghosh 94E angp,mult 233.1 Adamovich 91C angp,mult	$\text{mult[htrack] mult[shower] 0fragb X}$ 3215 Jain 91C mult,p
mult[shower] X 1.546 - 3215 Adamovich 91B mult 2.297 - 3215 Otterlund 91 mult 33.6 Ghosh 93D mult,p 72 Sherif 95 mult 72.59 Adamovich 92C mult,p 233.1 Adamovich 92B mult Adamovich 91 mult,p Adamovich 91C mult Adamovich 90C mult,p 248.1 Adamovich 95H mult,p Adamovich 92C mult,p Adamovich 92F mult,p 959.9 - 3200 Adamovich 92B mult Adamovich 91 mult,p Adamovich 91C mult Adamovich 90C mult,p 974.8 - 3215 Mukhopadhyay 93B mult,p Adamovich 92C mult,p Adamovich 92F mult,p Golde 92 mult,p Jain 92E mult,p Jain 91 mult Jain 91B mult Sengupta 91 mult Elnadi 93 mult 3200 Dabrowska 93 mult 3215 Dabrowska 93 mult	q X 46.16 Ghosh 92B cs	$\text{mult[black] mult[fragb] X}$ 3215 Dabrowska 93 mult Dabrowska 93C mult
mult[grey] X 1.546 - 3215 Adamovich 91B mult 2.297 - 3215 Otterlund 91 mult 72 Sherif 95 mult 974.8 - 3215 Jain 91 mult Sengupta 91 mult 3200 Elnadi 93 mult	$\pi^\pm \text{ X}$ 3215 Kampert 92 a-dep,p	$\text{mult[black] mult[grey] X}$ 72.59 Andreeva 95B cor,mult 974.8 - 3215 Jain 91 mult 3200 Elnadi 95C mult,p 3215 Adamovich 95F mult
mult[grey] X 1.546 - 3215 Adamovich 91B mult 2.297 - 3215 Otterlund 91 mult 72 Sherif 95 mult 974.8 - 3215 Jain 91 mult Sengupta 91 mult 3200 Elnadi 93 mult	$\pi^+ \text{ X}$ 6.823 Batkin 91 angp	$\text{mult[htrack] mult[black] X}$ 3200 Elnadi 93 mult
mult[grey] X 1.546 - 3215 Adamovich 91B mult 2.297 - 3215 Otterlund 91 mult 72 Sherif 95 mult 974.8 - 3215 Jain 91 mult Sengupta 91 mult 3200 Elnadi 93 mult	$\pi^0 \text{ X}$ 3.476 - 4.29 Batkin 91 angp,cs,p	
mult[grey] X 1.546 - 3215 Adamovich 91B mult 2.297 - 3215 Otterlund 91 mult 72 Sherif 95 mult 974.8 - 3215 Jain 91 mult Sengupta 91 mult 3200 Elnadi 93 mult	$\pi^- \text{ X}$ 6.823 Batkin 91 angp	

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

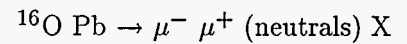
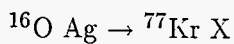
^{16}O nucleus \rightarrow mult[He] shower X ^{16}O ^{12}C \rightarrow π^- X

^{16}O nucleus	^{16}O nucleus	^{16}O nucleus	^{16}O nucleus	^{16}O nucleus	^{16}O nucleus
mult[He] shower X 3215 Baroni 91 cs,mult	(showers) 2shower X 46.16 Ghosh 93E angp,col,p 72.59 Adamovich 92F col,p 248.1 Adamovich 92F col,p 974.8 - 3215 Jain 93B angp,col,mult,p	nucleus C He 3215 Baroni 92 angp,cs,p	3215 Adamovich 92C mult,p Adamovich 92D mult,p 72.59 - 3215 Otterlund 91 mult,p 233.1 Adamovich 91C mult 248.1 Adamovich 92C mult,p Adamovich 92D mult,p Adamovich 91C mult 959.9 - 3200 Adamovich 91C mult 974.8 - 3215 Adamovich 92C mult,p Adamovich 92D mult,p Jain 92E mult,p Baroni 91 cs,mult	(showers) 2shower 0fragb X 248.1 Sengupta 93 col,mult,p 974.8 - 3215 Sengupta 93 col,mult,p	nucleus ^{12}C ^4He 3215 Singh 92B cs
shower mult[fragb] X 72.59 Adamovich 92C mult,p Adamovich 92D mult,p 72.59 - 3215 Otterlund 91 mult,p 233.1 Adamovich 91C mult 248.1 Adamovich 92C mult,p Adamovich 92D mult,p Adamovich 91C mult 959.9 - 3200 Adamovich 91C mult 974.8 - 3215 Adamovich 92C mult,p Adamovich 92D mult,p Jain 92E mult,p Baroni 91 cs,mult	3215 Adamovich 92F cor,p Adamovich 92F cor,p Mukhopadhyay 95 angp,cor,p Adamovich 92F cor,p	nucleus Nit p 3215 Baroni 92 angp,cs,p	3215 Adamovich 91C angp,mult Adamovich 91C angp,mult	nucleus ^{15}Nit p 3215 Singh 92B cs	nucleus ^8Be ^7Li p 3215 Singh 92B cs
mult[grey] shower X 974.8 - 3215 Jain 91 cor,mult,p	2shower X 72.59 Adamovich 92F cor,p 248.1 Adamovich 92F cor,p 974.8 - 3215 Mukhopadhyay 95 angp,cor,p	nucleus ^{11}Bor ^4He p 3215 Singh 92B cs	grey mult[fragb] X 233.1 Adamovich 91C angp,mult 959.9 - 3200 Adamovich 91C angp,mult	3shower X 974.8 - 3215 Mukhopadhyay 95 angp,cor,p	nucleus ^{12}C 2deuteron 3215 Singh 92B cs
grey mult[shower] X 233.1 Adamovich 91C mult 959.9 - 3200 Adamovich 91C mult	grey mult[shower] X 233.1 Adamovich 91C mult 959.9 - 3200 Adamovich 91C mult	nucleus ^4He 3215 Singh 92B cs	grey mult[grey] X 974.8 - 3215 Jain 91 angp,cor,mult	2black (blacks) X 46.16 Ghosh 94E angp,col	nucleus ^7Li $^2^4\text{He}$ p 3215 Singh 92B cs
mult[He] htrack X 3215 Baroni 91 cs,mult	^9Be ^4He ^3He X 3200 Bahk 91 angp,cs	nucleus ^8Be ^4He 2deuteron 3215 Singh 92B cs	htrack mult[fragb] X 3215 Baroni 91 cs,mult	^{10}Bor ^4He deuteron X 233.6 Bahk 91 angp,cs 960 Bahk 91 angp,cs 3200 Bahk 91 angp,cs	nucleus $^3^4\text{He}$ 2deuteron 3215 Singh 92B cs
black mult[fragb] X 233.1 Adamovich 91C angp,mult 959.9 - 3200 Adamovich 91C angp,mult	^{10}Bor ^4He deuteron X 233.6 Bahk 91 angp,cs 960 Bahk 91 angp,cs 3200 Bahk 91 angp,cs	nucleus ^7Li ^4He 2deuteron p 3215 Singh 92B cs	black mult[shower] X 233.1 Adamovich 91C mult 959.9 - 3200 Adamovich 91C mult	C 2deuteron X 233.6 Bahk 91 angp,cs 3200 Bahk 91 angp,cs	nucleus $^2^4\text{He}$ 4deuteron 3215 Singh 92B cs
black mult[black] X 974.8 - 3215 Jain 91 angp,cor,mult	(showers) 2shower mult[fragb] X 233.1 Adamovich 93F col,mult,p 959.9 - 3200 Adamovich 93F col,mult,p	nucleus ^7Li 4deuteron p 3215 Singh 92B cs	2p X 3200 Albrecht 94E a-dep,cor	^4He X 233.6 Bahk 91 angp,cs 960 Bahk 91 angp,cs 3200 Bahk 91 angp,cs	nucleus ^4He 6deuteron 3215 Singh 92B cs
nucleus mult[^4He] X 3215 Singh 92B mult	^4He X 233.6 Bahk 91 angp,cs 960 Bahk 91 angp,cs 3200 Bahk 91 angp,cs	^{16}O ^7Li π^+ X 5.663 Perrin 92 p π^- X 5.663 Perrin 92 p	fragb (fragbs) X 46.16 Ghosh 94D col,p,pt	Li $^2^4\text{He}$ p X 960 Bahk 91 angp,cs 3200 Bahk 91 angp,cs	^{16}O Be $^{15}\text{Nit}^*$ p X 46.16 Olson 91 p
mult[shower] fragb X 248.1 Adamovich 92F mult,p 974.8 - 3215 Adamovich 92F mult,p	Be ^4He 2deuteron X 3200 Bahk 91 angp,cs	^{16}O C γ X 3215 Albrecht 91O cs Odyniec 91B p,pt	fragb X mult[heavy] 54 Yasinbakry 95 a-dep,cs,mult	Nit p 2π X 3200 Bahk 91 angp,cs	π^0 X 3215 Albrecht 91O cs
shower fragb X 72.59 Adamovich 92F mult,p 248.1 Adamovich 92F mult,p 974.8 - 3215 Adamovich 92F mult,p	$^3^4\text{He}$ 2deuteron X 233.6 Bahk 91 angp,cs 960 Bahk 91 angp,cs 3200 Bahk 91 angp,cs	fragb X 25.23 - 70.95 Hirzebruch 92 cs 71.77 Sampsonidis 95 cs 230.4 Hirzebruch 92 cs	nucleus fragb X 3215 Singh 92B cs,mass	^4He 4deuteron X 233.6 Bahk 91 angp,cs 3200 Bahk 91 angp,cs	fragt X 974.8 - 3215 Albrecht 93H a-dep,angp,et,p
^{12}C ^4He X 233.6 Bahk 91 angp,cs 960 Bahk 91 angp,cs 3200 Bahk 91 angp,cs	Li ^4He 2deuteron p X 233.6 Bahk 91 angp,cs	^{11}C X 232 Cumming 93B cs	fragb X mult[heavy] 54 Yasinbakry 95 a-dep,cs,mult	C 2deuteron 2π X 3200 Bahk 91 angp,cs	C X 25.23 - 70.95 Hirzebruch 92 cs 230.4 Hirzebruch 92 cs
^{15}Nit p X 233.6 Bahk 91 angp,cs 960 Bahk 91 angp,cs 3200 Bahk 91 angp,cs	$^2^4\text{He}$ 4deuteron X 233.6 Bahk 91 angp,cs 3200 Bahk 91 angp,cs	Nit X 25.23 - 70.95 Hirzebruch 92 cs 230.4 Hirzebruch 92 cs	shower fragb X 72.59 Adamovich 92F mult,p 248.1 Adamovich 92F mult,p 974.8 - 3215 Adamovich 92F mult,p	Li 4deuteron p X 3200 Bahk 91 angp,cs	$2\pi^+$ X 3200 Albrecht 92L cor,p,pt Albrecht 91H cor
mult[grey] shower mult[shower] X 974.8 - 3215 Jain 91B cor,mult,p	^4He 6deuteron X 233.6 Bahk 91 angp,cs 960 Bahk 91 angp,cs 3200 Bahk 91 angp,cs	$2p$ X 3215 Awes 95 angp,cor	nucleus mult[^4He] X 3215 Singh 92B mult	$^3^4\text{He}$ 2deuteron 2π X 960 Bahk 91 angp,cs 3200 Bahk 91 angp,cs	^{16}O ^{12}C π^+ X 5.663 Perrin 92 p π^- X 5.663 Perrin 92 p
	Li ^4He 3deuteron 2π X 3200 Bahk 91 angp,cs		fragb (fragbs) X 46.16 Ghosh 94D col,p,pt	(showers) 8shower X 46.16 Ghosh 93E angp,col,p	
	(showers) 12shower X 46.16 Ghosh 93E angp,col,p		mult[shower] fragb X 248.1 Adamovich 92F mult,p 974.8 - 3215 Adamovich 92F mult,p	12grey (greys) X 72.59 Andreeva 95B cs	
	15htrack (htracks) mult[shower] X 72.59 Andreeva 95B cs		fragb X 46.16 Ghosh 94D col,p,pt	15htrack (htracks) mult[shower] X 72.59 Andreeva 95B cs	
	28htrack (htracks) X 72.59 Andreeva 95B cs		mult[shower] fragb X 248.1 Adamovich 92F mult,p 974.8 - 3215 Adamovich 92F mult,p		



$^{16}\text{O } ^{24}\text{Mg}$	$^{16}\text{O Cu}$	$^{16}\text{O Ag}$
$\pi^0 \text{ X}$ 3.405 - 4.002 Waters 93 angp,cs,p	fragb X 49.51 - 70.95 Hirzebruch 92 cs 71.77 Sampsonidis 95 cs 230.4 Hirzebruch 92 cs 232 Cecchini 93 cs	fragb X 49.51 - 70.95 Hirzebruch 92 cs 71.77 Sampsonidis 95 cs 230.4 Hirzebruch 92 cs
$2\gamma \text{ X}$ 3.405 - 4.002 Waters 93 mass	fragt X 974.8 - 3215 Albrecht 93H a-dep,angp,et,p	fragt X 974.8 - 3215 Albrecht 93H a-dep,angp,et,p
$^{16}\text{O Al}$	C X 49.51 - 70.95 Hirzebruch 92 cs 230.4 Hirzebruch 92 cs	C X 49.51 - 70.95 Hirzebruch 92 cs 230.4 Hirzebruch 92 cs
Ofragb X 3200 Bachler 91B et,p	Nit X 49.51 - 70.95 Hirzebruch 92 cs 230.4 Hirzebruch 92 cs	Nit X 49.51 - 70.95 Hirzebruch 92 cs 230.4 Hirzebruch 92 cs
X 3200 Bachler 91B et,p	$^{24}\text{Na X}$ 232 Cumming 93 angp,cs,p,pt Cumming 93B cs	$^{22}\text{Na X}$ 233.6 Bronikowski 91 cs,mass
mult[charged] X 3200 Bachler 91B et,p	$^{28}\text{Mg X}$ 232 Cumming 93 angp,cs,p,pt	$^{24}\text{Na X}$ 233.6 Bronikowski 91 cs,mass
Ofragb mult[charged] (neutrals) 233.6 Abbott 94B col,mult	$^{44}\text{Sc X}$ 232 Cumming 93 angp,cs,p,pt	$^{28}\text{Mg X}$ 233.6 Bronikowski 91 cs,mass
mult[neutral] X 3200 Bachler 91B et,p	$^{48}\text{Va X}$ 232 Cumming 93 angp,cs,p,pt	$^{39}\text{Cl X}$ 233.6 Bronikowski 91 cs,mass
Ofragb charged X 233.6 Abbott 94B p	$^{52}\text{Mn X}$ 232 Cumming 93 angp,cs,p,pt	$^{43}\text{KK X}$ 233.6 Bronikowski 91 cs,mass
fragb X 49.51 - 70.95 Hirzebruch 92 cs 71.77 Sampsonidis 95 cs 230.4 Hirzebruch 92 cs	$^{58}\text{Co X}$ 232 Cumming 93 angp,cs,p,pt	$^{47}\text{Ca X}$ 233.6 Bronikowski 91 cs,mass
C X 49.51 - 70.95 Hirzebruch 92 cs 230.4 Hirzebruch 92 cs	$\mu^- \mu^+ \text{ X}$ 3200 Baglin 92B cs,pt 3215 Baglin 91B pt Baglin 91C pt Jacob 91 et,mass,pt	$^{43}\text{Sc X}$ 233.6 Bronikowski 91 cs,mass
Nit X 49.51 - 70.95 Hirzebruch 92 cs 230.4 Hirzebruch 92 cs	2charged X 233.6 Abbott 95 cor	$^{47}\text{Ca X}$ 233.6 Bronikowski 91 cs,mass
$^{18}\text{F l X}$ 232 Cumming 93B cs	$2\pi^+ \text{ X}$ 3200 Albrecht 92L cor,p,pt 3215 Albrecht 91H cor Kampert 92 cor,p	$^{43}\text{Sc X}$ 233.6 Bronikowski 91 cs,mass
$^{24}\text{Na X}$ 232 Cumming 93B cs	$J/\psi(1S) \text{ (neutrals) X}$ 3200 Baglin 92B cor,cs,et,pt 3215 Baglin 91E cor,et Baglin 91B cor,et,pt Baglin 91C cor,et,pt	$^{44}\text{Sc X}$ 233.6 Bronikowski 91 cs,mass
$2\pi^+ \text{ X}$ 3215 Kampert 92 cor,p	$2p \text{ X}$ 3215 Awes 95 angp,cor Kampert 92 cor,p	$^{46}\text{Sc X}$ 233.6 Bronikowski 91 cs,mass
$2p \text{ X}$ 3215 Kampert 92 cor,p	$^{15}\text{Ni}^* p \text{ X}$ 46.16 Olson 91 p	$^{48}\text{Sc X}$ 233.6 Bronikowski 91 cs,mass
$^{16}\text{O } ^{27}\text{Al}$	$\mu^- \mu^+ \text{ (neutrals) X}$ 3200 Baglin 92B pt 3215 Baglin 91B cor,et,pt Baglin 91C cor,et,pt	$^{48}\text{Va X}$ 233.6 Bronikowski 91 cs,mass
$\pi^+ \text{ X}$ 5.663 Perrin 92 p	$^{16}\text{O } ^{108}\text{Ag}$	$^{52}\text{Mn X}$ 233.6 Bronikowski 91 cs,mass
$\pi^0 \text{ X}$ 6.89 Moisan 92 angp,p,pt	$\pi^+ \text{ X}$ 5.663 Perrin 92 p	$^{59}\text{Fe X}$ 233.6 Bronikowski 91 cs,mass
$\pi^- \text{ X}$ 5.663 Perrin 92 p	$\pi^- \text{ X}$ 5.663 Perrin 92 p	$^{56}\text{Co X}$ 233.6 Bronikowski 91 cs,mass
$^{16}\text{O } ^{58}\text{Ni}$	$^{16}\text{O Ag}$	$^{57}\text{Co X}$ 233.6 Bronikowski 91 cs,mass
$\pi^0 \text{ X}$ 6.89 Moisan 92 angp,p,pt	Ofragb X 960 - 3200 Bachler 91B et,p	$^{58}\text{Co X}$ 233.6 Bronikowski 91 cs,mass
$^{16}\text{O Cu}$	X 960 - 3200 Bachler 91B et,p	$^{65}\text{Zn X}$ 233.6 Bronikowski 91 cs,mass
Ofragb X 960 - 3200 Bachler 91B et,p	mult[charged] X 960 - 3200 Bachler 91B et,p	$^{67}\text{Ga X}$ 233.6 Bronikowski 91 cs,mass
X 960 - 3200 Bachler 91B et,p	mult[neutral] X 960 - 3200 Bachler 91B et,p	$^{67}\text{Ge X}$ 233.6 Bronikowski 91 cs,mass
mult[charged] X 232 Tannenbaum 94 mult 233.6 Abbott 95 col,mult,p 960 - 3200 Bachler 91B et,p	anomalon X 232 Cecchini 93 cs	$^{69}\text{Ge X}$ 233.6 Bronikowski 91 cs,mass
Ofragb mult[charged] (neutrals) 233.6 Abbott 94B col,mult		$^{71}\text{As X}$ 233.6 Bronikowski 91 cs,mass
mult[neutral] X 960 - 3200 Bachler 91B et,p		$^{72}\text{As X}$ 233.6 Bronikowski 91 cs,mass
Ofragb charged X 233.6 Abbott 94B p		$^{74}\text{As X}$ 233.6 Bronikowski 91 cs,mass
$J/\psi(1S) \text{ X}$ 3200 Baglin 92B cs,pt Baglin 91E a-dep,cs Baglin 91B pt Baglin 91C pt Jacob 91 et,mass,pt Odyniec 91B et,mult		$^{72}\text{Se X}$ 233.6 Bronikowski 91 cs,mass
anomalon X 232 Cecchini 93 cs		$^{73}\text{Se X}$ 233.6 Bronikowski 91 cs,mass
		$^{75}\text{Se X}$ 233.6 Bronikowski 91 cs,mass
		$^{75}\text{Br X}$ 233.6 Bronikowski 91 cs,mass
		$^{76}\text{Br X}$ 233.6 Bronikowski 91 cs,mass
		$^{77}\text{Br X}$ 233.6 Bronikowski 91 cs,mass
		$^{76}\text{Kr X}$ 233.6 Bronikowski 91 cs,mass

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.



$^{16}\text{O Ag}$		$^{16}\text{O Ag}$		$^{16}\text{O Au}$		$^{16}\text{O Au}$	
$^{77}\text{Kr X}$ 233.6	Bronikowski 91 cs,mass	$^{100}\text{Rh X}$ 233.6	Bronikowski 91 cs,mass	$\pi^0 \text{X}$ 3215	Albrecht 91 Albrecht 91O	pt cs	
$^{78}\text{Kr X}$ 233.6	Bronikowski 91 cs,mass	$^{101}\text{Rh X}$ 233.6	Bronikowski 91 cs,mass	$\pi^- \text{X}$ 960	Baechler 91C	p	
$^{81}\text{Rb X}$ 233.6	Bronikowski 91 cs,mass	$^{102}\text{Rh X}$ 233.6	Bronikowski 91 cs,mass	3215	Odyniec 91B	pt	
$^{82}\text{Rb X}$ 233.6	Bronikowski 91 cs,mass	$^{105}\text{Rh X}$ 233.6	Bronikowski 91 cs,mass	$K^\pm \text{X}$ 974.8	Odyniec 91	pt	
$^{83}\text{Rb X}$ 233.6	Bronikowski 91 cs,mass	$^{106}\text{Rh X}$ 233.6	Bronikowski 91 cs,mass	$K_S \text{X}$ 974.8	Odyniec 91	pt	
$^{84}\text{Rb X}$ 233.6	Bronikowski 91 cs,mass	$^{98}\text{Pd X}$ 233.6	Bronikowski 91 cs,mass	3215	Odyniec 91B	pt	
$^{86}\text{Rb X}$ 233.6	Bronikowski 91 cs,mass	$^{99}\text{Pd X}$ 233.6	Bronikowski 91 cs,mass	$p \text{X}$ 960	Baechler 91C	p	
$^{81}\text{Sr X}$ 233.6	Bronikowski 91 cs,mass	$^{100}\text{Pd X}$ 233.6	Bronikowski 91 cs,mass	3215	Odyniec 91B	pt	
$^{83}\text{Sr X}$ 233.6	Bronikowski 91 cs,mass	$^{101}\text{Pd X}$ 233.6	Bronikowski 91 cs,mass	ΛX 974.8	Odyniec 91	pt	
$^{85}\text{Sr X}$ 233.6	Bronikowski 91 cs,mass	$^{103}\text{Ag X}$ 233.6	Bronikowski 91 cs,mass	3215	Odyniec 91B	pt	
$^{84}\text{Yt X}$ 233.6	Bronikowski 91 cs,mass	$^{104}\text{Ag X}$ 233.6	Bronikowski 91 cs,mass	fragt X 974.8 - 3215	Albrecht 93H	a-dep,angp,et,p	
$^{85}\text{Yt X}$ 233.6	Bronikowski 91 cs,mass	$^{105}\text{Ag X}$ 233.6	Bronikowski 91 cs,mass	hadron mult[charged] X 3215	Eklund 92	cor,mult,p	
$^{86}\text{Yt X}$ 233.6	Bronikowski 91 cs,mass	$^{106}\text{Ag X}$ 233.6	Bronikowski 91 cs,mass	hadron charged X 3215	Eklund 92	cor,et,p	
$^{87}\text{Yt X}$ 233.6	Bronikowski 91 cs,mass	$^{110}\text{Ag X}$ 233.6	Bronikowski 91 cs,mass	$2\gamma \text{X}$ 3215	Albrecht 91	mass,p,pt	
$^{88}\text{Yt X}$ 233.6	Bronikowski 91 cs,mass	$2\pi^+ \text{X}$ 3200	Albrecht 92L Albrecht 91H Kampert 92	$2\pi^+ \text{X}$ 3200	Albrecht 92L Albrecht 91H Kampert 92	cor,p,pt cor cor,p	
$^{86}\text{Zr X}$ 233.6	Bronikowski 91 cs,mass	3215	Albrecht 92L Albrecht 91H Kampert 92	$2\pi^- \text{X}$ 974.8 - 3215	Odyniec 91B Schukraft 91	cor angp,cor	
$^{88}\text{Zr X}$ 233.6	Bronikowski 91 cs,mass	$2p \text{X}$ 3215	Awes 95 Kampert 92	$2p \text{X}$ 3215	Awes 95 Kampert 92	angp,cor cor,p	
$^{89}\text{Zr X}$ 233.6	Bronikowski 91 cs,mass	(showers) 2shower X 3215	Adamovich 93E	mult[p] $2\pi^+ \text{X}$ 3215	Kampert 92	cor,mult,p	
$^{90}\text{Nb X}$ 233.6	Bronikowski 91 cs,mass	$^{16}\text{O Wt}$		$^{16}\text{O }^{197}\text{Au}$			
$^{92}\text{Nb X}$ 233.6	Bronikowski 91 cs,mass	charged X 3215	Schukraft 91	$\pi^+ \text{X}$ 5.663	Perrin 92	p	
$^{95}\text{Nb X}$ 233.6	Bronikowski 91 cs,mass	charged ⁻ X 3215	Schukraft 91	$\pi^- \text{X}$ 5.663	Perrin 92	p	
$^{96}\text{Nb X}$ 233.6	Bronikowski 91 cs,mass	hadron X 3200	Akesson 90E	$p \text{X}$ 10.28	Gaff 95	p	
$^{90}\text{Mo X}$ 233.6	Bronikowski 91 cs,mass	γX 3215	Tserruya 95 Schukraft 91	$2p \text{X}$ 10.28	Gaff 95	angp,cor	
$^{93}\text{Mo X}$ 233.6	Bronikowski 91 cs,mass	$\pi^0 \text{X}$ 3215	Tserruya 95 Schukraft 91	$^{16}\text{O Pb}$			
$^{99}\text{Mo X}$ 233.6	Bronikowski 91 cs,mass	$p (\text{hadrons}) \text{X}$ 3215	Akesson 91	$J/\psi(1S) \text{X}$ 3215	Schukraft 91	cs,et	
$^{93}\text{Tc X}$ 233.6	Bronikowski 91 cs,mass	$^{16}\text{O Au}$		fragb X 25.23 - 70.95 71.77 230.4	Hirzebruch 92 Sampsonidis 95 Hirzebruch 92	cs cs cs	
$^{94}\text{Tc X}$ 233.6	Bronikowski 91 cs,mass	0fragb X 960 - 3200	Bachler 91B	C X 25.23 - 70.95 230.4	Hirzebruch 92 Hirzebruch 92	cs cs	
$^{95}\text{Tc X}$ 233.6	Bronikowski 91 cs,mass	X 960 - 3200	Bachler 91B	Nit X 25.23 - 70.95 230.4	Hirzebruch 92 Hirzebruch 92	cs cs	
$^{96}\text{Tc X}$ 233.6	Bronikowski 91 cs,mass	mult[charged] X 960 - 3200	Bachler 91B	$2\mu^- \text{X} + 2\mu^+ \text{X}$ 3200	Baglin 91	mass	
$^{94}\text{Ru X}$ 233.6	Bronikowski 91 cs,mass	mult[charged ⁻] X 3200	Schmitz 91	$\mu^- \mu^+ \text{X}$ 3200 3215	Baglin 91 Schukraft 91	mass et,mass	
$^{95}\text{Ru X}$ 233.6	Bronikowski 91 cs,mass	mult[neutral] X 960 - 3200	Bachler 91B	$J/\psi(1S) (\text{neutrals}) \text{X}$ 3200	Baglin 91	cor,cs,et	
$^{97}\text{Ru X}$ 233.6	Bronikowski 91 cs,mass	hadron X 974.8 - 3215	Odyniec 91B	$\mu^- \mu^+ (\text{neutrals}) \text{X}$ 3200	Baglin 91	cor,cs,et	
$^{103}\text{Ru X}$ 233.6	Bronikowski 91 cs,mass	γX 974.8 - 3215	Odyniec 91B Albrecht 91 Albrecht 91O				
$^{97}\text{Rh X}$ 233.6	Bronikowski 91 cs,mass	$\pi^\pm \text{X}$ 974.8	Odyniec 91				
$^{98}\text{Rh X}$ 233.6	Bronikowski 91 cs,mass						
$^{99}\text{Rh X}$ 233.6	Bronikowski 91 cs,mass						

$^{16}\text{O } ^{207}\text{Pb} \rightarrow \pi^0 \text{ X}$

$^{20}\text{Ne } p \rightarrow \text{fragb X}$

$^{16}\text{O } ^{207}\text{Pb}$				$^{17}\text{F l C}$		Ne Zr			
$\pi^0 \text{ X}$ 6.89	Moisan 92	angp,p,pt		inelastic 21.73 - 22.77 Ozawa 94	cs	mult[charged ⁺] 90	mult[charged ⁻] Besliu 93	X	angp,mult
$^{16}\text{O U}$				$^{17}\text{F l Al}$		Ne Nb			
$\pi^+ \text{ X}$ 3215	Abreu 92M	pt		inelastic 22.56 Ozawa 94	cs	mult[p] X 19 - 29.28	Montarou 93		cs,mult,p,pt
$\pi^- \text{ X}$ 3215	Abreu 92M	pt		$^{17}\text{Ne Be}$		mult[p̄] X 19 - 29.28	Montarou 93		cs,mult,p,pt
$\omega \text{ X} + \rho^0 \text{ X}$ 3200 3215	Baglin 91D Odyniec 91 Odyniec 91B Schukraft 91	a-dep et,mult et,mult et,mult		inelastic 22.78 Ozawa 94	cs	mult[deuteron] X 19 - 29.28	Montarou 93		cs,mult,p,pt
$K^+ \text{ X}$ 3215	Abreu 92M	pt		$^{17}\text{Ne C}$		mult[triton] X 19 - 29.28	Montarou 93		cs,mult,p,pt
$K^- \text{ X}$ 3215	Abreu 92M	pt		inelastic 22.78 Ozawa 94	cs	mult[He] X 19 - 29.28	Montarou 93		cs,mult,p,pt
$\phi(1020) \text{ X}$ 3200 3215	Baglin 91D Odyniec 91 Odyniec 91B Schukraft 91	a-dep et,mult et,mult et,mult		Ne p		$\pi^+ \text{ X}$ 19 - 29.28	Poitou 92	col	
$J/\psi(1S) \text{ X}$ 3200	Baglin 92B Baglin 91E	cs,pt a-dep,cs		He X 82	Ameeva 94	a-dep,pt	$\pi^- \text{ X}$ 19 - 29.28	Poitou 92	col
3215	Baglin 91B Baglin 91C Jacob 91 Odyniec 91B Schukraft 91	pt pt et,mass,pt et,mult cs,pt		Ne nucleus		$p \text{ X}$ 19 - 29.28	Montarou 93		cs,mult,p,pt
				mult[charged] X 79.82	Gulamov 95	cor,mult,p	$\bar{p} \text{ X}$ 19 - 29.28	Montarou 93	
				$\pi^+ \text{ X}$ 33.93	Muntz 95	angp,p	deuteron X 19 - 29.28	Montarou 93	cs,mult,p,pt
				$K^0 \text{ X}$ 82.68 - 90.87	Okonov 94	angp,mult,p,pt	$^3\text{H X}$ 19 - 29.28	Montarou 93	cs,mult,p,pt
$\mu^- \mu^+ \text{ X}$ 3200	Baglin 92B Baglin 91D	cs,pt mass		$\Lambda \text{ X}$ 82.68 - 90.87	Okonov 94	angp,mult,p,pt	$^4\text{He X} + ^3\text{He X}$ 19 - 29.28	Montarou 93	cs,mult,p,pt
3215	Baglin 91B Baglin 91C Jacob 91 Odyniec 91 Odyniec 91B	pt pt et,mass,pt mass et,mass		He X 82	Ameeva 94	a-dep,pt	$2p \text{ X}$ 12.8 - 33.93 19	Dupieux 91 Dupieux 91	cor cor
$\pi^+ \text{ (neutrals) X}$ 3215	Abreu 92M	et,pt		mult[htrack] shower X 90	Bobodjanov 91	mult	He deuteron X 19	Dupieux 91	cor,p
$\pi^- \text{ (neutrals) X}$ 3215	Abreu 92M	et,pt		mult[htrack] grey X 90	Bobodjanov 91	mult			
$\omega \text{ (neutrals) X} + \rho^0 \text{ (neutrals) X}$ 3200	Baglin 91D	cs,et		mult[htrack] black X 90	Bobodjanov 91	mult			
$\omega \text{ (neutrals) X} + \rho \text{ (neutrals) X}$ 3200	Baglin 92B	cor,cs,et		$\pi^+ \text{ mult[charged] X}$ 33.93	Muntz 95	angp,mult,p	Ne Pb		
$K^+ \text{ (neutrals) X}$ 3215	Abreu 92M	et,pt		$p \text{ mult[charged] X}$ 33.93	Muntz 95	angp,mult,p	$\pi^+ \text{ X}$ 19 - 29.28 29.28	Poitou 92 Poitou 92	col col,p,pt
$K^- \text{ (neutrals) X}$ 3215	Abreu 92M	et,pt		$2p \text{ X}$ 12.8 - 33.93 19	Dupieux 91 Dupieux 91	cor cor	$\pi^- \text{ X}$ 19 - 29.28	Poitou 92	col
$\phi(1020) \text{ (neutrals) X}$ 3200	Baglin 92B Baglin 91D	cor,cs,et cs,et		Ne Fl			$p \text{ X}$ 29.28	Poitou 92	col,p,pt
$J/\psi(1S) \text{ (neutrals) X}$ 3200	Baglin 92B Abreu 91E	cor,cs,et,pt et,pt		$\pi^+ \text{ X}$ 19 - 29.28	Poitou 92	col	$n \text{ X}$ 29.04	Baldwin 92	angp,p,pt
3215	Baglin 91E Baglin 91B Baglin 91C	cor,et cor,et,pt cor,et,pt		$\pi^- \text{ X}$ 19 - 29.28	Poitou 92	col	$2p \text{ X}$ 12.8 - 33.93 19	Dupieux 91 Dupieux 91	cor cor
$^{15}\text{N it}^* p \text{ X}$ 46.16	Olson 91	p		Ne Ne			He deuteron X 19	Dupieux 91	cor,p
$\mu^- \mu^+ \text{ (neutrals) X}$ 3200	Baglin 92B Abreu 91E Baglin 91D Baglin 91B Baglin 91C	pt et,pt cs,et cor,et,pt cor,et,pt		mult[charged ⁺] 90	Besliu 93	angp,mult	$2\pi^- \text{ (}\pi^- \text{'s) X}$ 57.81	Zhang 93	col
$^{18}\text{O Be}$				Ne Na			$^{20}\text{Ne } p$		
$\text{frag}^- \text{ X}$ 7.975	Suzuki 93D	angp		$\pi^+ \text{ X}$ 19 - 29.28	Poitou 92	col	inelastic 13.54 15.49	Dudkin 94 Bogdanov 93	cs a-dep,cs
$^{17}\text{F l Be}$				$\pi^- \text{ X}$ 19 - 29.28	Poitou 92	col	shower X 13.54	Dudkin 94	mult
inelastic 23.18	Ozawa 94	cs		Ne Al			grey X 13.54	Dudkin 94	mult
				$\pi^0 \text{ X}$ 17.66	Berg 91	p	black X 13.54	Dudkin 94	mult
				Ne Cu			fragb X 15.49	Bogdanov 94	mult
				mult[charged] X 90	Sarkisyan 93C	col			

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$^{24}\text{Mg Cu} \rightarrow \text{fragb X}$

$\text{Si Cu} \rightarrow K^- X$

$^{24}\text{Mg Cu}$	Si nucleus	Si Al
fragb X 107.7 Sampsonidis 95 cs	mult[charged] X 407 Adamovich 90B mult,p	$\bar{p} X$ Hayano 94 Barrette 93 Abbott 91 p angp p,pt
$^{24}\text{Mg Ag}$	mult[charged] (neutrals) 407 Buschbeck 91 angp,col,mult,p	deuteron X + p X 408.8 Stocker 95 p
fragb X 107.7 Sampsonidis 95 cs	mult[π^\pm] X 126 Tauseef 92 angp,mult	deuteron X 408.8 Stocker 95 Abbott 94 p p
$^{24}\text{Mg Pb}$	mult[p] X 126 Tauseef 92 angp,mult	$^3\text{H X}$ 408.8 Stocker 95 cs
fragb X 107.7 Sampsonidis 95 cs	mult[shower] X 126 Tauseef 92 angp,mult	$^3\text{He X}$ 408.8 Stocker 95 cs
(showers) 2shower X 108 Elnaghy 94 col	mult[grey] X 126 Tauseef 92 angp,mult	$2\pi^+ X$ 408.8 Stocker 95 Kaufman 94 cor cor
2grey (greys) (showers) 2shower X 108 Elnaghy 94 col	shower X 445.4 Gulyamov 92 p	p mult[charged] X 408.8 Lissauer 94C Barrette 93C angp,mult,p,pt
Mg p	He X 126 Ameeva 94 a-dep,pt	2p X 408.8 Stocker 95 Kaufman 94 cor cor
He X 108 Ameeva 94 a-dep,pt	mult[π^\pm] mult[htrack] X 126 Tauseef 92 angp,cor,mult	\bar{p} fragb X 408.8 Barrette 93 cor,mult,p
Mg nucleus	mult[p] mult[htrack] X 126 Tauseef 92 angp,cor,mult	deuteron mult[charged] X 408.8 Lissauer 94C mult,p,pt
mult[shower] X 108 Elnadi 92 mult	mult[π^\pm] mult[black] X 126 Tauseef 92 angp,cor,mult	Si Si
shower X 108 Elnadi 92 mult	mult[p] mult[black] X 126 Tauseef 92 angp,cor,mult	$\pi^- X$ 408.8 Eiseman 93 p,pt
htrack X 108 Elnadi 92 mult	Si Al	$K_S X$ 408.8 Stocker 95 Eiseman 93 Longacre 93 Eiseman 92B p,pt p,pt p,pt p
$K^0 X$ 99.29 - 109.1 Okonov 94 angp,mult,p,pt	X 408.8 Barrette 94 Barrette 93B pt et,p	ΛX 408.8 Stocker 95 Eiseman 93 Longacre 93 Eiseman 92B p,pt p,pt p,pt p
ΛX 99.29 - 109.1 Okonov 94 angp,mult,p,pt	charged X 408.8 Stocker 95 pt	X strangelet 408.8 Stocker 95 Longacre 93 cs cs
fragb X 108 Elnadi 92 mult	hadron X 408.8 Ahle 94 cs,et,p	$\pi^+ \pi^- X$ 408.8 Stocker 95 mass
He X 108 Ameeva 94 a-dep,pt	$\pi^\pm X$ 408.8 Cole 92 pt	K_S mult[charged $^-$] X 408.8 Stocker 95 Eiseman 92B cs mult,p
Mg Mg	$\pi^+ X$ 408.8 Stocker 95 Abbott 94 Gonin 94 Hamagaki 94 p,pt p p	p $\pi^- X$ 408.8 Stocker 95 mass
π^- 0fragb X 108 Chkhaidze 92 p,pt	$\pi^- X$ 408.8 Stocker 95 Abbott 94 Gonin 94 Hamagaki 94 Abbott 91 p,pt p p p,pt	Λ mult[charged $^-$] X 408.8 Stocker 95 Eiseman 92B cs mult,p
0n π^- 0fragb X 108 Chkhaidze 95 angp,mult,p	$K^+ X$ 408.8 Stocker 95 Abbott 94 Gonin 94 Hamagaki 94 Kaufman 94C Cole 92 p p,pt p,pt	Si Cu
ΛX 103.2 Avramenko 91B angp,p,pt	$K^- X$ 408.8 Stocker 95 Abbott 94 Hamagaki 94 Kaufman 94C Cole 92 Abbott 91 p,pt p p p,pt pt p,pt	charged X 408.8 Stocker 95 p,pt
$2\pi^- X$ 105.6 Anikina 95 cor,p	p X 408.8 Stocker 95 Abbott 94 Gonin 94 Hamagaki 94 p,pt p p,pt	$\pi^+ X$ 408.8 Stocker 95 Abbott 94 Gonin 94 Hamagaki 94 p,pt p p
$2\pi^- (\pi^- \text{'s}) X$ 108 Gridnev 93 angp,cor,p		$\pi^- X$ 408.8 Stocker 95 Abbott 94 Gonin 94 Hamagaki 94 p,pt p pt p
$2\Lambda 2\pi (\pi \text{'s}) X$ 103.2 Avramenko 91B angp,p,pt		$K^+ X$ 408.8 Stocker 95 Abbott 94 Hamagaki 94 p,pt p p
Mg Pb		$K^- X$ 408.8 Stocker 95 Abbott 94 p,pt
mult[charged] (neutrals) > $1.2 \cdot 10^5$ Apanasenko 94 col,mult,p		
mult[htrack] shower X 108 Bobodjanov 91 mult		
mult[htrack] grey X 108 Bobodjanov 91 mult		
mult[htrack] black X 108 Bobodjanov 91 mult		
$^{26}\text{Mg p}$		
fragb X 22.43 - 40.82 Chen 94 cs		
Si p		
He X 126 Ameeva 94 a-dep,pt	$\bar{p} X$ 408.8 Stocker 95 p	

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

Si Cu \rightarrow K^- XSi Pb \rightarrow 2charged mult[charged] X

Si Cu			Si Au			Si Pb		
K^- X			K^+ X			X		
	Hamagaki 94	p		Gonin 94	mult,p	408.8	Barrette 93B	et,p
p X				Hamagaki 94	p	π^- X		
408.8	Stocker 95	p,pt		Kaufman 94	p	408.8	Stocker 95	p,pt
	Abbott 94	p		Kaufman 94C	p,pt		Hemmick 94	p,pt
	Hamagaki 94	p		Wang 94	p		Eiseman 93	p,pt
\bar{p} X			K^- X			K^+ X		
408.8	Stocker 95	p	406	Kaufman 95	p,pt	408.8	Stocker 95	p,pt
	Hayano 94	p	408.8	Stocker 95	p,pt	K^- X		
	Barrette 93	angp		Abbott 94	p	408.8	Stocker 95	p,pt
deuteron X				Hamagaki 94	p	K_S X		
408.8	Stocker 95	p		Kaufman 94	p	408.8	Eiseman 93	p,pt
	Abbott 94	p		Kaufman 94C	p,pt		Eiseman 92B	p
				Wang 94	p	p X		
^3H X			$\phi(1020)$ X			408.8	Stocker 95	p
408.8	Stocker 95	cs	406	Kaufman 95	p		Barrette 93C	angp
^3He X			408.8	Stocker 95	p	\bar{p} X		
408.8	Stocker 95	cs		Kaufman 94	p	408.8	Stocker 95	p
\bar{p} fragb X			$\phi(1020) < K^+ K^- >$ X				Hayano 94	p
408.8	Barrette 93	cor,mult,p	408.8	Wang 94	p,pt		Barrette 93	angp
			p X			$\Delta(1232 P_{33})^{++}$ X		
			408.8	Stocker 95	p,pt	408.8	Stocker 95	p
				Abbott 94	p	Λ X		
				Hamagaki 94	p,pt	408.8	Eiseman 94	angp,p
				Kaufman 94	p		Eiseman 93	p,pt
				Kaufman 92B	angp,p		Eiseman 92B	p
			\bar{p} X			Ξ^- X		
			406	Kaufman 95	p,pt	408.8	Stocker 95	p
			408.8	Stocker 95	p		Eiseman 94	angp,p
				Hayano 94	p		Longacre 93	p
				Kaufman 94	p	deuteron X		
				Abbott 91	p,pt	408.8	Stocker 95	cs,p,pt
			Λ X			dibaryon($S = -1$) X		
			408.8	Stocker 95	p	408.8	Longacre 95	p
				Kaufman 94	p	^3H X		
			deuteron X			408.8	Stocker 95	cs,p,pt
			408.8	Stocker 95	p	^3He X		
				Abbott 94	p	408.8	Stocker 95	cs,p,pt
			$2\pi^+$ X			2charged X		
			406	Kaufman 95	cor	408.8	Barrette 94B	cor,et,p
			408.8	Cianciolo 95	cor	$2\pi^+$ X		
				Stocker 95	cor	408.8	Stocker 95	cor
				Kaufman 94	cor		Barrette 94C	ang,cor,p,pt
				Vossnack 94	cor		Xu 94	cor
			$2\pi^-$ X			$\pi^+ \pi^-$ X		
			406	Kaufman 95	cor	408.8	Barrette 94C	ang,cor,p,pt
			408.8	Stocker 95	cor			
				Kaufman 94	cor	$2\pi^-$ X		
			$K^+ \pi^+$ X			408.8	Stocker 95	cor
			408.8	Stocker 95	cor		Barrette 94C	ang,cor,p,pt
			$2K^+$ X				Xu 94	cor
			408.8	Cianciolo 95	cor	K_S mult[charged $^-$] X		
				Stocker 95	cor	408.8	Eiseman 92B	mult,p
				Kaufman 94	cor	p mult[charged] X		
				Vossnack 94	cor	408.8	Lissauer 94C	mult,p,pt
			$K^+ K^-$ X				Barrette 93C	angp,mult,p,pt
			406	Kaufman 95	mass	$p \pi^-$ X		
			408.8	Wang 94	mass	408.8	Eiseman 93	mass
			$p \pi^+$ X				Eiseman 92B	mass
			408.8	Stocker 95	mass	Λ mult[charged $^-$] X		
				Gonin 94	mass	408.8	Eiseman 92B	mult,p
			$p \pi^-$ X			$\Lambda \pi^-$ X		
			406	Kaufman 95	mass	408.8	Eiseman 94	mass
			$\bar{p} \pi^+$ X			$p \Sigma^-$ X		
			406	Kaufman 95	mass	408.8	Longacre 95	mass
			$p K^+$ X			\bar{p} fragb X		
			408.8	Stocker 95	cor	408.8	Barrette 93	cor,mult,p
				Vossnack 94	cor			
			$2p$ X			deuteron mult[charged] X		
			408.8	Stocker 95	cor	408.8	Lissauer 94C	mult,p,pt
				Kaufman 94	cor	2charged mult[charged] X		
			$K^+ K^-$ mult[charged] X			408.8	Barrette 94B	cor,et,mult,p
			408.8	Wang 95	mass			

Si Pb \rightarrow p $2\pi^-$ X ^{28}Si nucleus \rightarrow 2grey (greys) X

Si Pb	^{28}Si nucleus	^{28}Si nucleus
p $2\pi^-$ X 408.8 Eiseman 94 mass	shower X Jilany 94 mult Singh 94C mult Tariq 94 angp,p Ahmad 93 mult,p Ahmad 93C angp Ahmad 92 p Ahmad 91C angp Adamovich 92D mult,p Adamovich 91C mult 431.3 Mukhopadhyay 93B mult,p	mult[grey] shower X 431.3 Golde 92 cor,mult,p mult[htrack] shower X 126 Ahmad 93 mult,p Ahmad 93C cor,mult Ahmad 92 mult,p
^{28}Si p		
fragb X 127 Adamovich 95G cs,mass,mult 434.1 Adamovich 95G cs,mass,mult	127 407 431.3	mult[black] shower X 126 Ahmad 93C cor,mult
^{28}Si nucleus		shower X mult[heavy] 126 Jilany 94 mult
X 406 Singh 91C cs		2shower X 126 Ahmad 94 cor,p 431.3 Mukhopadhyay 95 angp,cor,p
0fragb X 127 Adamovich 95G cs 434.1 Adamovich 95G cs	434.1	grey mult[fragb] X 407 Adamovich 91C angp,mult
inelastic 126 Sherif 95 cs Jilany 94 cs Singh 94C cs Singh 91C cs	grey X 126 407	grey mult[shower] X 126 Ahmad 93C cor,mult 407 Adamovich 91C mult
(showers) X 407 Adamovich 92B col,mult,p Stenlund 91 col,mult,p	black X 126 407	mult[black] grey X 126 Singh 94C mult grey X mult[heavy] 126 Jilany 94 mult
mult[charged] X 431.3 Mukhopadhyay 93D mult,p Jain 92G angp,col,mult,p	anomalon X 406 Cecchini 93 cs frag X 126 Tariq 94 angp,p fragb X 126 Ahmad 91 angp 127 Adamovich 95G cs,mass,mult 406 Cecchini 93 cs 434.1 Adamovich 95G cs,mass,mult	black mult[shower] X 126 Ahmad 93C cor,mult 407 Adamovich 91C mult black mult[grey] X 126 Singh 94C mult black X mult[heavy] 126 Jilany 94 mult nucleus mult[^4He] X 431.3 Singh 92B mult
mult[He] X 127 Adamovich 95G mult 434.1 Adamovich 95G mult 5626 Adamovich 95G mult	^4He X 406 Singh 91C cs He X 126 Ahmad 91 angp	mult[htrack] fragb X 126 Ahmad 91 angp,mult Ahmad 91C mult
mult[fragb] X 126 Ahmad 91C mult	mult[shower] mult[fragb] X 100.3 - 407 Adamovich 92E mult,p 407 Adamovich 91 mult,p Adamovich 92B mult,p Adamovich 91 mult,p Stenlund 91 mult,p Adamovich 90C mult,p 431.3 Mukhopadhyay 93 angp,mult,p Mukhopadhyay 93B mult,p Golde 92 mult,p Jain 92F mult,p Jain 91B mult,p Adamovich 95H mult,p	nucleus fragb X 431.3 Singh 92B cs,mass
mult[shower] X 100.3 - 407 126 Adamovich 92E mult,p Sherif 95 mult Ahmad 94 mult Ahmad 93 mult Ahmad 93C mult Ahmad 93E mult,p Adamovich 92B mult,p Adamovich 91 mult,p Stenlund 91 mult,p Adamovich 90C mult,p 431.3 Mukhopadhyay 93 angp,mult,p Mukhopadhyay 93B mult,p Golde 92 mult,p Jain 92F mult,p Jain 91B mult,p Adamovich 95H mult,p	mult[grey] mult[shower] X 126 Ahmad 91B mult mult[htrack] (showers) 0fragb X 405.2 Jain 92B angp,col,mult,p Jain 92C angp,col,mult,p	2fragb X 126 Vokal 91 cs ^4He X 406 Singh 91C cs He mult[htrack] X 126 Ahmad 91 angp,mult 2He X 126 Belaga 95D ang,mass ^{24}Mg ^4He X 408.8 Bahk 91 angp,cs ^{27}Al p X 408.8 Bahk 91 angp,cs
mult[fragb] X 126 Ahmad 91C mult	mult[htrack] mult[shower] X 126 Ahmad 93 mult mult[htrack] mult[shower] 0fragb X 431.3 Jain 91C mult,p	mult[htrack] 0fragb charged (charged)s X 126 Elnaghy 93 col,mult mult[grey] shower mult[shower] X 431.3 Jain 91B cor,mult,p (showers) 2shower 0fragb X 434.1 Sengupta 93 col,mult,p (showers) 2shower X 126 Ahmad 94 col Elnaghy 94 col Jain 93B angp,col,mult,p
mult[shower] X 100.3 - 407 126 Adamovich 92E mult,p Sherif 95 mult Ahmad 94 mult Ahmad 93 mult Ahmad 93C mult Ahmad 93E mult,p Adamovich 92B mult,p Adamovich 91 mult,p Stenlund 91 mult,p Adamovich 90C mult,p 431.3 Mukhopadhyay 93 angp,mult,p Mukhopadhyay 93B mult,p Golde 92 mult,p Jain 92F mult,p Jain 91B mult,p Adamovich 95H mult,p	mult[black] mult[grey] X 127 Andreeva 95B cor,mult 408.9 Andreeva 95B cor,mult shower mult[fragb] X 127 Adamovich 92D mult,p 407 Adamovich 91C mult 434.1 Adamovich 92C mult,p Adamovich 92D mult,p Otterlund 91 mult,p	3shower X 431.3 Mukhopadhyay 95 angp,cor,p 2grey (greys) X 126 Elnaghy 94 col
mult[grey] X 126 Sherif 95 mult Ahmad 93C mult Golde 92 mult	mult[black] X + mult[grey] X 126 Ahmad 93E mult,p mult[black] X 126 Ahmad 93C mult 431.3 Golde 92 mult shower X 126 Ahmad 94 mult,p	

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

^{28}Si nucleus \rightarrow 2black (blacks) X ^{28}Si ^{27}Al \rightarrow X

^{28}Si nucleus	^{28}Si nucleus	^{28}Si Al
2black (blacks) X 126 Elnaghy 94 col	28htrack black (htracks) X 126 Andreeva 92 angp,mult,p	K^- X 434.1 Kaufman 92 pt
^4He htrack shower X 406 Singh 91C mult	(showers) 50shower fragb X 431.3 Singh 94B col,mult,p	p X 408.8 Ludlam 94 p 434.1 Fatyga 94 p,pt Kaufman 92 pt
^3He X 406 Singh 91C cs	nucleus ^{24}Mg ^4He 431.3 Singh 92B cs	\bar{p} X 408.8 Aoki 92B p Duek 92B cs,et
^{20}Ne ^2He X 408.8 Bahk 91 angp,cs	nucleus ^{20}Ne ^2He 431.3 Singh 92B cs	434.1 Fatyga 94 cs 445.3 Aoki 92C p
^{20}Ne Li p X 408.8 Bahk 91 angp,cs	nucleus ^{23}Na ^4He p 431.3 Singh 92B cs	frag $^-$ X 408.8 Barrette 95F cs
^{23}Na ^4He p X 408.8 Bahk 91 angp,cs	nucleus ^{24}Mg 2deuteron 431.3 Singh 92B cs	fragb X 403.2 Barrette 95 cs,p 408.8 Abbott 92C cs,p
^{24}Mg 2deuteron X 408.8 Bahk 91 angp,cs	nucleus ^{19}F ^2He p 431.3 Singh 92B cs	deuteron X 408.8 Lissauer 94B cs Ludlam 94 p
nucleus ^{27}Al p X 431.3 Singh 92B cs,pt	nucleus ^{20}Ne ^4He 2deuteron 431.3 Singh 92B cs	$\overline{\text{deuteron}}$ X 408.8 Aoki 92B p
3fragb (fragbs) X 431.3 Jain 94B angp,cor	nucleus ^{14}N ^3He deuteron 431.3 Singh 92B cs	^3H X 408.8 Lissauer 94B cs
^2He htrack shower X 406 Singh 91C mult	nucleus ^{16}O ^2He 2deuteron 431.3 Singh 92B cs	^3He X 408.8 Lissauer 94B cs
^4He X 406 Singh 91C cs	nucleus ^{19}F ^4He 2deuteron p 431.3 Singh 92B cs	^6He X 408.8 Barrette 95C a-dep,cs,p,pt
^{16}O ^3He X 408.8 Bahk 91 angp,cs	nucleus ^{20}Ne 4deuteron 431.3 Singh 92B cs	^8He X 408.8 Barrette 95C a-dep,cs,p,pt
^{20}Ne ^4He 2deuteron X 408.8 Bahk 91 angp,cs	nucleus ^{14}N ^2He 3deuteron 431.3 Singh 92B cs	^8Li X 408.8 Barrette 95C a-dep,cs,p,pt
^{23}Na 2deuteron p X 408.8 Bahk 91 angp,cs	nucleus ^{16}O ^4He 4deuteron 431.3 Singh 92B cs	^9Li X 408.8 Barrette 95C a-dep,cs,p,pt
^3He htrack shower X 406 Singh 91C mult	nucleus ^{11}B ^3He 2deuteron p 431.3 Singh 92B cs	^{10}Be X 408.8 Barrette 95C a-dep,cs,p,pt
^5He X 406 Singh 91C cs	nucleus ^6He 2deuteron 431.3 Singh 92B cs	^{11}Be X 408.8 Barrette 95C a-dep,cs,p,pt
^{16}O ^2He 2deuteron X 408.8 Bahk 91 angp,cs	nucleus ^{12}C ^4He 6deuteron 431.3 Singh 92B cs	^{13}B X 408.8 Barrette 95C a-dep,cs,p,pt
2grey (greys) (showers) 2shower X 126 Elnaghy 94 col	nucleus ^5He 4deuteron 431.3 Singh 92B cs	^{18}F X 406.1 Cumming 93B cs
^4He htrack shower X 406 Singh 91C mult	nucleus ^3He 8deuteron 431.3 Singh 92B cs	^{24}Na X 406.1 Cumming 93B cs
^6He X 406 Singh 91C cs	^{28}Si C	π^+ mult[fragb] X 408.8 Abbott 92C mult 434.1 Kaufman 92 mult
^{14}N ^2He 3deuteron X 408.8 Bahk 91 angp,cs	^{11}C X 406.1 Cumming 93B cs	$2\pi^+$ X 434.1 Kaufman 92 cor
^{16}O ^4He 4deuteron X 408.8 Bahk 91 angp,cs	^{27}Al C p 434.1 Barrette 92 cs,p	$2\pi^-$ X 434.1 Kaufman 92 cor
^5He htrack shower X 406 Singh 91C mult	^{28}Si Al	K^+ mult[fragb] X 408.8 Abbott 92C mult 434.1 Kaufman 92 mult
^6He htrack shower X 406 Singh 91C mult	inelastic 408.8 Abbott 92C cs	$2p$ X 434.1 Kaufman 92 cor
(showers) 5shower 3fragb (fragbs) X 431.3 Jain 95 col,pt	(neutrals) X 408.8 Schukraft 91 et	Al ^{24}Mg ^4He 408.8 Sonnadara 94 cs,p
^3He 0p X 408.8 Bahk 91 angp,cs	mult[charged] X 405.2 Barrette 91 mult,p 434.1 Barrette 92C cs,et,mult	^{27}Al Al p 408.8 Sonnadara 94 cs,p 434.1 Barrette 92 cs,p
12grey (greys) X 127 Andreeva 95B cs 408.9 Andreeva 95B cs	mult[p] X 434.1 Barrette 92B et,mult	^{27}Si Al n 408.8 Sonnadara 94 cs,p
28htrack (htracks) X 126 Andreeva 92 cs,mult 127 Andreeva 95B cs 408.9 Andreeva 95B cs	mult[n] X 434.1 Barrette 92B et,mult	Al ^{26}Mg $2p$ 408.8 Sonnadara 94 cs,p
28htrack (htracks) mult[shower] X 126 Andreeva 92 angp,mult	charged X 5626 Albrecht 92T mult	^{28}Si ^{27}Al
28htrack (htracks) mult[grey] X 126 Andreeva 92 angp,mult	hadron X 434.1 Fatyga 94 et 5626 Albrecht 92T angp,et	X 408.8 Betts 91 cor,et,p
28htrack mult[black] (htracks) X 126 Andreeva 92 angp,mult	π^\pm X 434.1 Kaufman 92 pt	
28htrack (htracks) shower X 126 Andreeva 92 angp,mult,p	π^- X 408.8 Aoki 92B p	
28htrack (htracks) grey X 126 Andreeva 92 angp,mult,p	K^+ X 434.1 Kaufman 92 pt	
	K^- X 408.8 Aoki 92B p	

$^{28}\text{Si } ^{27}\text{Al} \rightarrow \text{hadron (hadrons)}$

$^{28}\text{Si Au} \rightarrow K^- X$

$^{28}\text{Si } ^{27}\text{Al}$	$^{28}\text{Si Cu}$	$^{28}\text{Si Sn}$
hadron (hadrons) 408.8 Bloomer 90 et	anomalon X 406 Cecchini 93 cs	fragb X 403.2 Barrette 95 cs,p
$2\pi^+ X$ 408.8 Abbott 92D angp,cor Abbott 91D cor	frag X 405.2 He 91 cs	$^6\text{He X}$ 408.8 Barrette 95C a-dep,cs,p,pt
$2\pi^- X$ 408.8 Abbott 92D angp,cor Abbott 91D cor	frag $^- X$ 408.8 Barrette 95F cs	$^8\text{He X}$ 408.8 Barrette 95C a-dep,cs,p,pt
$^{28}\text{Si } ^{28}\text{Si}$	403.2 Barrette 95 cs,p 406 Cecchini 93 cs 408.8 Abbott 92C cs,p 431.3 Price 91 angp,cs,pt	$^8\text{Li X}$ 408.8 Barrette 95C a-dep,cs,p,pt
$K_S X$ 408.8 Adams 92F p	deuteron X 408.8 Lissauer 94B cs	$^9\text{Li X}$ 408.8 Barrette 95C a-dep,cs,p,pt
$n X$ 5.434 Obserstedt 92 angp,p	deuteron X 408.8 Aoki 92B p	$^{10}\text{Be X}$ 408.8 Barrette 95C a-dep,cs,p,pt
ΛX 408.8 Adams 92F p	$^3\text{H X}$ 408.8 Lissauer 94B cs	$^{11}\text{Be X}$ 408.8 Barrette 95C a-dep,cs,p,pt
frag X 5.434 Obserstedt 92 p	$^3\text{He X}$ 408.8 Lissauer 94B cs	$^{13}\text{Bor X}$ 408.8 Barrette 95C a-dep,cs,p,pt
$\pi^+ \pi^- X$ 408.8 Adams 92F mass	$^6\text{He X}$ 408.8 Barrette 95C a-dep,cs,p,pt	Sn $^{24}\text{Mg } ^4\text{He}$ 408.8 Sonnadara 94 cs,p
$K_S \text{ mult}[\text{charged}^-] X$ 408.8 Adams 92F cs	$^8\text{He X}$ 408.8 Barrette 95C a-dep,cs,p,pt	Sn $^{27}\text{Al } p$ 408.8 Sonnadara 94 cs,p 434.1 Barrette 92 cs,p
$p \pi^- X$ 408.8 Adams 92F mass	$^8\text{Li X}$ 408.8 Barrette 95C a-dep,cs,p,pt	Sn $^{27}\text{Si } n$ 408.8 Sonnadara 94 cs,p
$\Lambda \text{ mult}[\text{charged}^-] X$ 408.8 Adams 92F cs	$^9\text{Li X}$ 408.8 Barrette 95C a-dep,cs,p,pt	Sn $^{26}\text{Mg } 2p$ 408.8 Sonnadara 94 cs,p
$^{28}\text{Si Cu}$	$^{10}\text{Be X}$ 408.8 Barrette 95C a-dep,cs,p,pt	$^{28}\text{Si Au}$
inelastic 408.8 Abbott 92C cs	$^{11}\text{Be X}$ 408.8 Barrette 95C a-dep,cs,p,pt	inelastic 408.8 Abbott 92C cs
(neutrals) X 408.8 Schukraft 91 et	$^{13}\text{Bor X}$ 408.8 Barrette 95C a-dep,cs,p,pt	(neutrals) X 408.8 Schukraft 91 et
mult[charged] X 405.2 Barrette 91 mult,p 434.1 Barrette 92C cs,et,mult	$\pi^+ \text{ mult}[\text{fragb}] X$ 408.8 Abbott 92C mult 434.1 Kaufman 92 mult	charged X 5626 Albrecht 92T mult
mult[p] X 434.1 Barrette 92B et,mult	$\pi^+ \pi^- X$ 408.8 Adams 92 mass	charged $^+ X$ 408.8 Adams 92 p,pt Adams 92F p
mult[n] X 434.1 Barrette 92B et,mult	$K_S \text{ mult}[\text{charged}^-] X$ 408.8 Adams 92 cor,mult,p Odyniec 91 cor,mult	charged $^- X$ 408.8 Adams 92 p,pt Adams 92F p,pt Ahmad 92B pt Bloomer 90 p,pt
charged X 5626 Albrecht 92T mult	$K^+ \text{ mult}[\text{fragb}] X$ 408.8 Abbott 92C mult 434.1 Kaufman 92 mult	hadron X 5626 Albrecht 92T angp,et
charged $^+ X$ 408.8 Adams 92 p,pt Adams 92F p	$p \pi^- X$ 408.8 Adams 92 mass	$\pi^\pm X$ 434.1 Kaufman 92 pt
charged $^- X$ 408.8 Adams 92 p,pt Adams 92F p,pt Ahmad 92B pt Bloomer 90 p,pt	$\Lambda \text{ mult}[\text{charged}^-] X$ 408.8 Adams 92 cor,mult,p Odyniec 91 cor,mult	$\pi^+ X$ 408.8 Abbott 91B p,pt Schukraft 91 p
hadron X 434.1 Fatyga 94 et 5626 Albrecht 92T angp,et	Cu $^{27}\text{Al } p$ 434.1 Barrette 92 cs,p	$\pi^+ \text{ ofragb } X$ 408.8 Bloomer 90 p,pt
$\pi^- X$ 408.8 Aoki 92B p	$^{28}\text{Si } ^{64}\text{Cu}$	$\pi^- X$ 408.8 Aoki 92B p Abbott 91B p,pt Schukraft 91 p
$K^- X$ 408.8 Aoki 92B p	hadron (hadrons) 408.8 Bloomer 90 et	$\pi^- \text{ ofragb } X$ 408.8 Bloomer 90 p,pt
$K_S X$ 408.8 Adams 92 p,pt	$^{28}\text{Si Ag}$	$K^+ X$ 408.8 Abbott 91B p,pt Schukraft 91 p Kaufman 92 p,pt
$K_S \text{ ofragb } X$ 408.8 Bloomer 90 pt	(neutrals) X 408.8 Schukraft 91 et	$K^+ \text{ ofragb } X$ 408.8 Bloomer 90 p,pt
$p X$ 408.8 Bloomer 90 p,pt	charged X 5626 Albrecht 92T mult	$K^- \text{ ofragb } X$ 408.8 Bloomer 90 p,pt
$\bar{p} X$ 408.8 Aoki 92B p Duek 92B cs,et 434.1 Fatyga 94 cs 445.3 Aoki 92C p	hadron X 5626 Albrecht 92T angp,et	$K^- X$ 408.8 Aoki 92B p Abbott 91B p,pt
ΛX 408.8 Adams 92 p,pt	$^{28}\text{Si Sn}$	
$\Lambda \text{ ofragb } X$ 408.8 Bloomer 90 pt	frag $^- X$ 408.8 Barrette 95F cs	

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

SS → π⁻ X

S Wt → φ(1020) X

SS			SS			S Cu		
π ⁻ X			$\bar{\Lambda} X + \bar{\Sigma}^0 X$			charged ⁻ X		
6400	Boggild 96	p,pt	6420	Karabarouni 92C		6400	Bachler 91	mult
	Boggild 95D	p,pt				p(spect) X		
6420	Boggild 94	pt	Ξ ⁻ X	Abatzis 95	cs,p,pt	6400	Andersen 92	a-dep,p
	Boggild 95C	pt	6400	Abatzis 95C	cs,pt	2π ⁻ X		
	Polychronako 92	pt		Abatzis 94C	cs	6400	Panagiotou 95	cor
η X			Ξ ⁺ X			S Ag		
6400	Bachler 94	p	6400	Abatzis 95	cs,p,pt	X		
6420	Albrecht 95F	p,pt		Abatzis 95C	cs,pt	6420	Albrecht 91Q	pt
K ⁺ X			charged (charged ^s) X			mult[A] X		
6400	Abatzis 95C	pt	6400	Albrecht 94H	col,et	6400	Andersen 92	a-dep,et,mult,p
	Boggild 94	pt	2charged X			hadron ⁻ X		
	Gazdzcki 94	mult	6400	Albrecht 94H	cor,et	6400	Panagiotou 95	p,pt
	Sollfrank 94	mult	2charged ⁻ X			6400	Gazdzcki 94	mult
	Bachler 93	mult,p,pt	6400	Bachler 94C	col,p,pt	K ⁺ X		
6420	Boggild 95C	pt		Fialkowski 94	col,p,pt	6400	Gazdzcki 94	mult
	Karabarouni 92B	pt	hadron ⁺ hadron ⁻ X			K ⁰ X		
	Karabarouni 92C	mult,p,pt	6400	Wosiek 94	cor	6400	Gazdzcki 94	mult,p
	Polychronako 92	pt	2hadron ⁻ X			K ⁻ X		
K ⁰ X			6400	Wosiek 94	cor	6400	Gazdzcki 94	mult
6400	Gazdzcki 94	mult,p	π ⁻ charged ⁺ X			K _S X		
K ⁻ X			6400	Alvarezdelar 95	cor,p,pt	6400	Panagiotou 95	p
6400	Abatzis 95C	pt	2π ⁻ X			p(spect) X		
	Boggild 95D	p,pt	6390	Karabarouni 91	cor	6400	Andersen 92	a-dep,p
	Boggild 94	pt	6400	Roland 94	cor	̄p X		
	Gazdzcki 94	mult	6400	Alber 95	cor,p,pt	6420	Gunther 95	p,pt
	Sollfrank 94	mult	6420	Karabarouni 92	cor	Λ X		
	Bachler 93	mult,p,pt	K _S mult[charged ⁻] X			6400	Panagiotou 95	p
6420	Boggild 95C	pt	6400	Odyniec 91	cor,mult	6420	Gazdzcki 94	mult,p
	Karabarouni 92B	pt	K ⁰ \bar{K}^0 X			6400	Karabarouni 92C	mult
	Karabarouni 92C	mult,p,pt	6400	Bachler 94	p	$\bar{\Lambda}$ X		
	Polychronako 92	pt	p π ⁺ X			6400	Gazdzcki 94	mult
K _S X			6400	Abatzis 95C	mass	6420	Gunther 95	p,pt
6390	Baechler 91	mult,p,pt	̄p π ⁻ X				Karabarouni 92C	mult
6400	Panagiotou 95	p	6400	Abatzis 95C	mass	2π ⁻ X		
	Odyniec 91	mult,p,pt	nucleon nucleon X			6390	Karabarouni 91	cor
6420	Karabarouni 92B	pt	6400	Bachler 94	p	6400	Panagiotou 95	cor
	Karabarouni 92C	mult,p,pt	hyperon hyperon X			6420	Roland 94	cor
			6400	Bachler 94	p		Alber 95	cor,p,pt
p X			Λ mult[charged ⁻] X				Karabarouni 92	cor
6400	Bachler 94	cs,et,mult,p,pt	6400	Andersen 95	mult	(showers) 2shower X		
	Boggild 94	pt		Odyniec 91	cor,mult	6420	Adamovich 93E	col
	Sollfrank 94	mult	$\bar{\Lambda}$ mult[charged ⁻] X			S Wt		
6420	Bachler 91	mult	6400	Schukraft 91	cor,mult	charged ⁻ X		
	Boggild 95C	p,pt				6400	Abatzis 91C	pt
	Gunther 95	p,pt	Λ π ⁻ X			hadron ⁻ X		
	Polychronako 92	pt	6400	Abatzis 95C	mass	6400	Abatzis 94	pt
Λ X				Abatzis 94C	mass	π ⁺ X		
6390	Baechler 91	mult,p,pt	$\bar{\Lambda}$ π ⁺ X			6400	Odyniec 91	p,pt
6400	Abatzis 95	cs,p,pt	6400	Abatzis 95C	mass	π ⁻ X		
	Abatzis 95C	cs,pt		Abatzis 94C	mass	6390	Vanhecke 91	cs,pt
	Andersen 95	p	2charged (charged ^s) X			6400	Odyniec 91	p,pt
	Panagiotou 95	p	6400	Bachler 94C	col,p,pt	ω X + ρ X		
	Abatzis 94C	cs		Fialkowski 94	col,p,pt	6400	Masera 95	p,pt
	Gazdzcki 94	mult,p	S Cu			K ⁺ X		
	Sollfrank 94	mult	X			6390	Vanhecke 91	cs,pt
	Odyniec 91	mult,p,pt	6420	Albrecht 91Q	pt	6400	Abatzis 95D	cs,pt
6420	Karabarouni 92C	mult	mult[charged] X				Odyniec 91	p,pt
Λ X + Σ ⁰ X			6400	Bachler 91	mult	K ⁰ X + \bar{K}^0 X		
6420	Karabarouni 92C	mult	mult[charged ⁻] X			6400	Abatzis 94	pt
$\bar{\Lambda}$ X			6400	Bachler 91	mult	K ⁻ X		
6390	Baechler 91	mult,p,pt	mult[A] X			6390	Vanhecke 91	cs,pt
6400	Abatzis 95	cs,p,pt	6400	Bachler 91	mult	6400	Abatzis 95D	cs,pt
	Abatzis 95C	cs,pt	charged X				Odyniec 91	p,pt
	Abatzis 94C	cs	6400	Bachler 91	mult	K _S X		
	Gazdzcki 94	mult				6400	Abatzis 95D	cs,pt
	Sollfrank 94	mult	φ(1020) X			6400	Masera 95	p,pt
	Odyniec 91	mult,p,pt	6400	Bachler 91	mult			
	Gunther 95	p,pt						
	Karabarouni 92C	mult						

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

S Pb → 2π⁺ X

³²S nucleus → mult[black] mult[fragb] X

S Pb			S U			³² S nucleus		
2π ⁺ X 6420	Boggild 95 Polychronako 92	cor cor	2μ ⁻ mult[neutral] X 6400	Peralta 91	cor,et,pt	shower X 6390 6420	Adamovich 91C Dabrowska 93 Mukhopadhyay 93B	mult mult,p mult,p
2K ⁺ X 6420	Boggild 95	cor	2μ ⁺ mult[neutral] X 6400	Peralta 91	cor,et,pt			
2K ⁻ X 6420	Boggild 95	cor	³² S p				Adamovich 92C Adamovich 92D Jain 92E	mult,p mult,p mult,p
Λ mult[charged ⁻] X 6400	Andersen 95	mult	fragb X 27.6 - 50.24 6420	Chen 94 Adamovich 95G	cs cs,mass,mult		Baroni 91 Jain 91 Jain 91B Otterlund 91	mult,p angp,mult p mult,p
Λ π ⁻ X 6400	Andersen 95	mass	³² S nucleus			grey X 227.9 6390	Dabrowska 93C Adamovich 91C	mult angp,mult
Λ π ⁺ X 6400	Andersen 95	mass	0fragb X 6420	Adamovich 95G	cs	6420	Dabrowska 93	angp,mult
Λ K ⁻ X 6400	Andersen 95	mass	inelastic 6420	Baroni 91 Sengupta 91	cs cs		Baroni 91 Jain 91 Sengupta 91	angp angp,mult angp
Λ K ⁺ X 6400	Andersen 95	mass	(showers) X 6390	Adamovich 92B Stenlund 91	col,mult,p col,mult,p	htrack 0fragb X 6420	Baroni 91	cs,mult
			mult[charged] X 6390	Schmitz 91 Adamovich 90B Adamovich 93 Mukhopadhyay 93D	angp,col,p mult,p mult,p mult,p	htrack X 6420	Baroni 91	cs,mult
			6420	Jain 92G	angp,col,mult,p	black X 227.9 6390	Dabrowska 93C Adamovich 91C	mult mult
			mult[charged] (neutrals) 6390	Buschbeck 91	angp,col,mult,p	6420	Dabrowska 93 Baroni 91 Jain 91 Sengupta 91	mult angp,mult angp angp
			mult[He] X 6420	Adamovich 93	mult,p	ω X 6420	Jacob 91	cs,et
			mult[fragb] X 6420	Dabrowska 93	mult	φ(1020) X 6420	Jacob 91	cs,et
			mult[shower] X 6390	Adamovich 92B Adamovich 91 Stenlund 91 Adamovich 90C Dabrowska 93 Mukhopadhyay 93	mult,p mult,p mult,p mult,p mult	anomalon X 6400	Cecchini 93	cs
			6420	Mukhopadhyay 93B	angp,mult,p	fragb X 6400 6420	Cecchini 93 Adamovich 95G Dabrowska 93	cs cs,mass,mult mass
			mult[grey] X 227.9 6420	Adamovich 92C Golde 92 Jain 92E Jain 91 Jain 91B Sengupta 91	mult,p mult,p mult,p mult mult	⁴ He X 6420	Jain 92E	p
			mult[htrack] 0fragb X 6420	Dabrowska 93C Adamovich 95F Dabrowska 93 Jain 91 Sengupta 91	mult mult mult mult mult	He X 6420	Adamovich 93	angp,p
			mult[htrack] X 6420	Adamovich 95F Adamovich 95G	mult cs,mult	He 0charged-hadron X 6420	Adamovich 93	angp
			mult[black] X 227.9 6420	Dabrowska 93C Adamovich 95F Dabrowska 93 Jain 91 Sengupta 91	mult mult mult mult mult	mult[shower] mult[fragb] X 6390	Adamovich 91 Adamovich 90C Dabrowska 93 Adamovich 92C	mult,p mult,p mult mult,p
			shower 0fragb X 6420	Baroni 91	cs,mult	mult[grey] mult[fragb] X 227.9 6420	Dabrowska 93C Dabrowska 93	mult mult
			shower X 1940 - 6420	Sengupta 91	p	mult[grey] mult[shower] X 6420	Adamovich 95F	cor,mult
						mult[htrack] (showers) 0fragb X 6390	Jain 91 Jain 92C	mult angp,col,mult,p
						mult[He] mult[htrack] X 6420	Baroni 91	mult
						mult[htrack] mult[fragb] X 6420	Baroni 91	mult
						mult[htrack] mult[shower] X 6420	Adamovich 95F	cor,mult
						mult[htrack] mult[shower] 0fragb X 6420	Jain 91C	mult,p
						mult[black] mult[fragb] X 227.9	Dabrowska 93C	mult

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

^{32}S nucleus \rightarrow mult[black] mult[fragb] X ^{32}S Pd \rightarrow e^+ X

^{32}S nucleus	^{32}S nucleus	^{32}S S
mult[black] mult[fragb] X 6420 Dabrowska 93 mult	(showers) 50shower fragb X 6420 Singh 94B col,mult,p	fragb X 6400 Bachler 91B p
mult[black] mult[grey] X 227.9 Dabrowska 93C mult 6420 Adamovich 95F	^{32}S C fragb X 143.6 Sampsonidis 95 cs	mult[K_S] mult[charged $^-$] X 6420 Odyniec 91B mult
cor,mult Andreeva 95B cor,mult Dabrowska 93 mult Jain 91 mult	^{32}S Al e^+ X 6420 Vane 92 a-dep,angp,cs,p	mult[Λ] mult[charged $^-$] X 6420 Odyniec 91B mult
charged (charged) X 6400 Ghosh 95 col,p	mult[charged] X 6420 Albrecht 92U mult Eklund 92 et,mult,p	mult[$\bar{\Lambda}$] mult[charged $^-$] X 6420 Odyniec 91B mult
mult[He] shower X 6420 Baroni 91 cs,mult	charged X 6400 Eklund 91 mult,p 6420 Albrecht 92U a-dep,et,p	2charged $^-$ X 6400 Alber 95C cor,p,pt
shower mult[fragb] X 6390 Adamovich 91C mult 6420 Adamovich 92C mult,p Adamovich 92D mult,p Jain 92E mult,p Baroni 91 cs,mult Otterlund 91 mult,p	hadron X 6390 Akesson 90E et 6420 Schukraft 91 et	$2\pi^-$ X 6420 Odyniec 91B cor Schukraft 91 angp,cor
mult[grey] shower X 6420 Jain 91 cor,mult,p	fragb X 143.6 Sampsonidis 95 cs	$p\pi^-$ X 6400 Andersen 94C mass
2shower X 6420 Mukhopadhyay 95 angp,cor,p	$2\pi^+$ X 6420 Kampert 92 cor,p	$\bar{p}\pi^+$ X 6400 Andersen 94C mass
grey mult[fragb] X 6390 Adamovich 91C angp,mult	$2p$ X 6420 Aves 95 angp,cor	Λ mult[charged $^-$] X 6400 Andersen 93 cor,mult Andersen 92B cor,mult Jacob 91 cor,mult
grey mult[shower] X 6390 Adamovich 91C mult	^{32}S S X 6400 Bachler 91B et,p	$\bar{\Lambda}$ mult[charged $^-$] X 6420 Jacob 91 cor,mult
grey mult[grey] X 6420 Jain 91 angp,cor,mult	0fragb X 6400 Bachler 91B et,p	$\Lambda\pi^-$ X 6400 Andersen 94C mass
mult[He] htrack X 6420 Baroni 91 cs,mult	mult[charged] X 6400 Bachler 91B et,p 6420 Bloomer 92 angp,col,mult,p	^{32}S ^{32}S charged $^-$ X 6420 Teitelbaum 92 p,pt
htrack mult[fragb] X 6420 Baroni 91 cs,mult	mult[charged $^-$] X 6400 Bachler 92B mult,p	hadron $^-$ X 6390 Baechler 91B p
black mult[fragb] X 6390 Adamovich 91C angp,mult	mult[neutral] X 6400 Bachler 91B et,p	p X 6390 Baechler 91B p 6420 Teitelbaum 92 p,pt
black mult[shower] X 6390 Adamovich 91C mult	charged $^-$ X 6420 Odyniec 91B mult	^{32}S Cu 0fragb X 6400 Bachler 91B et,p
black mult[black] X 6420 Jain 91 angp,cor,mult	hadron $^-$ X 6400 Panagiotou 94 p,pt 6420 Odyniec 91B p	X 6400 Bachler 91B et,p
fragb charged X 114.6 Elnadi 95D cor,mult,p	π^0 X 6400 Kampert 94 pt	mult[charged] X 6400 Bachler 91B et,p 6420 Albrecht 92U mult Eklund 92 et,mult,p
He charged-hadron X 6420 Adamovich 93 angp	π^- X 6420 Schukraft 91 pt	mult[neutral] X 6400 Bachler 91B et,p
mult[grey] shower mult[shower] X 6420 Jain 91B cor,mult,p	η X 6400 Kampert 94 pt	charged X 6400 Eklund 91 mult,p 6420 Albrecht 92U a-dep,et,p
(showers) 2shower X 6420 Dabrowska 95B angp,col,p	K^0 X 6400 Panagiotou 94 p	anomalon X 6400 Cecchini 93 cs
Jain 93B angp,col,mult,p	K_S X 6400 Alber 94 mult,p,pt 6420 Odyniec 91B mult Schukraft 91 pt	fragb X 143.6 Sampsonidis 95 cs 6400 Cecchini 93 cs Bachler 91B p
Sengupta 93 col,mult,p	p X 6400 Panagiotou 94 p 6420 Odyniec 91B p Schukraft 91 p	2charged $^-$ X 6400 Alber 95C cor,p,pt
(showers) 2shower 0fragb X 6420 Sengupta 93 col,mult,p	\bar{p} X 6400 Panagiotou 94 p	$2\pi^+$ X 6420 Kampert 92 cor,p
2shower mult[shower] X 6420 Mukhopadhyay 95 cor,mult,p	Λ X 6400 Alber 94 mult,p,pt 6420 Panagiotou 94 p Odyniec 91B mult,p Schukraft 91 pt	^{32}S ^{96}Mo ^{96}Mo ^{32}S 3.281 Herrick 95 cs
3shower X 6420 Mukhopadhyay 95 angp,cor,p	$\bar{\Lambda}$ X 6400 Alber 94 mult,p,pt 6420 Panagiotou 94 p Odyniec 91B mult,p Schukraft 91 pt	^{32}S ^{100}Mo ^{100}Mo ^{32}S 3.281 Herrick 95 cs
(showers) 2shower mult[fragb] X 6390 Adamovich 93F col,mult,p		^{32}S Pd e^+ X 6420 Vane 92 a-dep,angp,cs,p
3shower mult[shower] X 6420 Mukhopadhyay 95 cor,mult,p		
12grey (greys) X 6420 Andreeva 95B cs		
28htrack (htracks) X 6420 Andreeva 95B cs		

$^{32}\text{S Ag} \rightarrow \text{Ofragb X}$

$^{32}\text{S Wt} \rightarrow \Lambda K^- X$

$^{32}\text{S Ag}$	$^{32}\text{S Ag}$	$^{32}\text{S Ag}$	$^{32}\text{S Wt}$
Ofragb X 6400	Bachler 91B et,p	2frag X 7.626	Wada 92B cor
X 6400	Bachler 91B et,p	p fragb X 7.626	Wada 92 angp,p
mult[charged] X 6400	Bachler 91B et,p	deuteron fragb X 7.626	Wada 92 angp,p
6420	Albrecht 92U et,mult,p	^4He fragb X 7.626	Wada 92 angp,p
mult[neutral] X 6400	Bachler 91B et,p	$^{32}\text{S Wt}$	
charged X 6400	Eklund 91 mult,p	charged X 6420	Aoki 95 a-dep,angp,et,mult,p
6420	Aoki 95 a-dep,angp,et,mult,p	charged ⁻ X 6420	Schukraft 91 et,p,pt
hadron X 6390	Akesson 90E et	hadron X 6390	Akesson 90E angp,et,p
6420	Aoki 95 a-dep,angp,et,mult,p	6420	Aoki 95 a-dep,angp,et,mult,p
hadron ⁻ X 6400	Schukraft 91 et	hadron ⁻ X 6400	Abatzis 92 pt
K^+ X 6400	Panagiotou 94 p,pt	γ X 6420	Tserruya 95 cs,et,pt
K^0 X 6400	Alber 94 p,pt	π^+ X 6420	Schukraft 91 cs,et,pt
K^- X 6400	Panagiotou 94 p,pt	π^0 X 6420	Akesson 92 et,pt
K_S X 6400	Panagiotou 94 p,pt	π^- X 6420	Tserruya 95 cs,et,pt
p X 6400	Alber 94 mult,p,pt	ρ X 6400	Schukraft 91 cs,et,pt
\bar{p} X 6400	Panagiotou 94 p	ω X 6400	Akesson 92 et,pt
Λ X 6400	Panagiotou 94 p	K^+ X 6400	Mazzoni 94 cs,p,pt
$\bar{\Lambda}$ X 6400	Alber 94 mult,p,pt	6420	Abatzis 95B cs,pt
frag X 7.626	Panagiotou 94 p	K^- X 6400	Akesson 92 et,pt
fragb X 143.6	Alber 94 mult,p,pt	6420	Abatzis 95B cs,pt
6400	Panagiotou 94 p	K_S X 6400	Akesson 92 et,pt
Be X 7.626	Wada 92B angp,p	$\phi(1020)$ X 6400	Abatzis 92 pt
C X 7.626	Wada 92 angp,p	Λ X 6400	Evans 92 cs,pt
O X 7.626	Wada 92 angp,p	6420	Abatzis 91 cs,p,pt
Ne X 7.626	Wada 92 angp,p	$\bar{\Lambda}$ X 6400	Kinson 91 cs,mult,p,pt
Mg X 7.626	Wada 92 angp,p	6420	Schukraft 91 mult,pt
Si X 7.626	Wada 92 angp,p	$\bar{\Lambda}$ X 6400	Odyniec 91B mult
2charged ⁻ X 6400	Alber 95C cor,p,pt	Ξ^- X 6400	Abatzis 92 pt
$2\pi^+$ X 6420	Kampert 92 cor,p	6400	Evans 92 cs,pt
$\pi^+ \pi^-$ X 6400	Alber 94 mass	Ξ^0 X 6400	Abatzis 91 cs,p,pt
$2\pi^-$ X 6420	Odyniec 91B cor	6420	Abatzis 91B cs
p π^- X 6400	Schukraft 91 angp,cor	Ξ^+ X 6400	Kinson 91 cs,mult,p,pt
$\bar{p} \pi^+$ X 6400	Alber 94 mass	6400	Odyniec 91 mult
			Abatzis 90B angp,mult
			Odyniec 91B mult
			Evans 92 cs,pt
			Abatzis 91 cs,p,pt
			Abatzis 93 mass
			Abatzis 92 mass
			Evans 92 mass
			Abatzis 91 mass
			Kinson 91 mass
			Odyniec 91 mass
			Abatzis 90B mass
			Abatzis 93 mass
			Abatzis 92 mass
			Evans 92 mass
			Abatzis 91 mass
			Kinson 91 mass
			Odyniec 91 mass
			Abatzis 90B mass
			Abatzis 93 mass

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$^{32}\text{S Wt} \rightarrow \bar{\Lambda} K^+ X$ $^{32}\text{S U} \rightarrow \phi(1020) X$

$^{32}\text{S Wt}$	$^{32}\text{S Au}$	$^{32}\text{S Pb}$
$\bar{\Lambda} K^+ X$ 6400 Abatzis 93 mass	$\bar{p} X$ 6400 Panagiotou 94 p	$2\mu^- X + 2\mu^+ X$ 6400 Baglin 91 mass
$2\pi^+ \pi^- X$ 6400 Abatzis 95B mass	ΛX 6400 Alber 94 p,pt Panagiotou 94 p	$\mu^- \mu^+ X$ 6400 Baglin 91 mass
$\pi^+ 2\pi^- X$ 6400 Abatzis 95B mass	$\bar{\Lambda} X$ 6400 Alber 94 p,pt Panagiotou 94 p	$2\text{hadron}^+ X$ 6420 Takahashi 91 cor
$^{32}\text{S Pt}$	$\text{fragb} X$ 6400 Bachler 91B p 6420 Odyniec 91B cor,et,p	$\text{hadron}^+ \text{hadron}^- X$ 6420 Takahashi 91 cor
$\text{hadron} X$ 6390 Akesson 90E et 6420 Schukraft 91 et	$\text{mult}[\text{shower}] \text{mult}[\text{fragb}] X$ 6390 Adamovich 91 mult,p Adamovich 90C mult,p	$2\text{hadron}^- X$ 6420 Takahashi 91 cor
γX 6420 Tserruya 95 cs,et,pt Schukraft 91 cs,et,pt	$2\text{charged}^- X$ 6400 Alber 95C cor,p,pt	$2\pi^+ X$ 6400 Beker 94B cor,pt Boggild 94B angp,cor Beker 93 angp,cor,pt
$\pi^0 X$ 6420 Tserruya 95 cs,et,pt Schukraft 91 cs,et,pt	$\gamma (\gamma\text{'s}) X$ 6400 Albrecht 96 cs,pt	$\pi^+ \pi^- X$ 6400 Boggild 92 angp,cor 6420 Odyniec 91B mass
$^{32}\text{S Au}$	$2\gamma X$ 6400 Albrecht 95I mass Albrecht 94D mass Kampert 93 mass,pt	$2\pi^- X$ 6400 Boggild 94B angp,cor
$0\text{fragb} X$ 6400 Bachler 91B et,p	$2\pi^+ X$ 6420 Kampert 92 cor,p	$K^0 \text{mult}[\text{charged}^-] X$ 6400 Andersen 94 mult,p,pt
X 6400 Bachler 91B et,p	$J/\psi(1S) (\text{neutrals}) X$ 6400 Baglin 95 cs	$K_S \text{mult}[\text{charged}^-] X$ 6400 Andersen 93 cor,mult Andersen 92B cor,mult
$e^+ X$ 6420 Vane 92 a-dep,angp,cs,p	$\psi(2S) (\text{neutrals}) X$ 6400 Baglin 95 cs	$2K^+ X$ 6400 Beker 94B cor,pt Beker 94C cor,pt Beker 93 angp,cor,pt
$(\text{showers}) X$ 6390 Adamovich 92B angp,col,mult,p Stenlund 91 angp,col,mult,p	$2p X$ 6420 Aves 95 angp,cor	$2K^- X$ 6400 Beker 94C cor,pt Beker 93 angp,cor,pt
$\text{mult}[\text{charged}] X$ 6400 Bachler 91B et,p 6420 Albrecht 92U mult Bloemer 92 angp,col,mult,p Eklund 92 et,mult,p	$\text{mult}[p] 2\pi^+ X$ 6420 Kampert 92 cor,mult,p	$J/\psi(1S) (\text{neutrals}) X$ 6400 Baglin 91 cor,cs,et
$\text{mult}[\text{neutral}] X$ 6400 Bachler 91B et,p	$(\text{showers}) 2\text{shower} \text{mult}[\text{fragb}] X$ 6390 Adamovich 93F col,mult,p	$p \pi^- X$ 6420 Odyniec 91B mass
$\text{mult}[\text{shower}] X$ 6390 Adamovich 92B mult,p Adamovich 91 mult,p Stenlund 91 mult,p Adamovich 90C mult,p	$^{32}\text{S Pb}$	$\bar{p} \pi^+ X$ 6420 Odyniec 91B mass
$\text{charged} X$ 6400 Eklund 91 mult,p 6420 Albrecht 92U a-dep,et,p Eklund 92 p Kampert 92 a-dep,p	$\text{mult}[\text{charged}] X$ 6420 Odyniec 91B mult	$\Lambda \text{mult}[\text{charged}^-] X$ 6400 Andersen 94 mult,p,pt Andersen 93 cor,mult Andersen 92B cor,mult Andersen 92C cor,mult
$\text{hadron} X$ 6420 Odyniec 91B et	$\text{mult}[\text{charged}^-] X$ 6400 Hafidouni 94 mult	$\bar{\Lambda} \text{mult}[\text{charged}^-] X$ 6400 Andersen 94 mult,p,pt Andersen 93 cor,mult Andersen 92B cor,mult
$\text{hadron}^- X$ 6400 Panagiotou 94 p,pt	$\text{hadron} X$ 6390 Akesson 90E et 6420 Schukraft 91 et	$\Lambda \pi^- X$ 6400 Andersen 94 mass
γX 6400 Albrecht 95I pt Irmscher 94 pt Kampert 94 pt Kampert 93 pt	$\text{hadron}^+ X$ 6420 Takahashi 91 pt	$\bar{\Lambda} \pi^+ X$ 6400 Andersen 94 mass Andersen 94C mass
$\pi^0 X$ 6400 Albrecht 95I pt Albrecht 94D pt Kampert 94 pt Kampert 93 pt	$\text{hadron}^- X$ 6420 Takahashi 91 pt	$\mu^- \mu^+ (\text{neutrals}) X$ 6400 Baglin 91 cor,cs,et
ηX 6400 Albrecht 95I pt Albrecht 94D pt Kampert 94 pt Kampert 93 pt	$K^0 X$ 6400 Andersen 94 p,pt	$^{32}\text{S U}$
$K^- X$ 6400 Alber 94 p,pt Panagiotou 94 p	$K_S X$ 6400 Andersen 92B pt Andersen 92C p,pt	$\text{hadron} X$ 6390 Akesson 90E et 6420 Schukraft 91 et
$K_S X$ 6400 Alber 94 p,pt	ΛX 6400 Andersen 94 p,pt Andersen 94C cs,pt Andersen 93 p Andersen 92B pt Andersen 92C p,pt	$\pi^+ X$ 6420 Abreu 92M pt
$p X$ 6400 Panagiotou 94 p	$\bar{\Lambda} X$ 6400 Andersen 94 p,pt Andersen 94C cs,pt Andersen 93 p Andersen 92B pt Andersen 92C p,pt	$\pi^- X$ 6420 Abreu 92M pt
	$\Xi^- X$ 6400 Andersen 94 cs Andersen 94C cs	$\omega X + \rho^0 X$ 6400 Baglin 91D a-dep 6420 Odyniec 91B et,mult
	$\Xi^+ X$ 6400 Andersen 94 cs Andersen 94C cs	$K^+ X$ 6420 Abreu 92M pt
	$\text{fragb} X$ 143.6 Sampsonidis 95 cs	$K^- X$ 6420 Abreu 92M pt
		$\phi(1020) X$ 6400 Baglin 91D a-dep 6420 Odyniec 91B et,mult

$^{32}\text{S U} \rightarrow J/\psi(1S) X$

$^{40}\text{Ar Al} \rightarrow \text{charged X}$

$^{32}\text{S U}$	$^{36}\text{Ar } ^{48}\text{Ti}$	Ar La
$J/\psi(1S) X$	$K^+ X$	$2\pi^- X$
6390 Baglin 92B cs,pt	15.27 Julien 91 cs	100.8 Christie 92 cor
6400 Baglin 95B cs		
Baglin 94 cs	$^{36}\text{Ar } ^{58}\text{Ni}$	Ar Pb
6420 Baglin 91E cs	$\pi^0 X$	$\pi^+ X$
Baglin 91B pt	15.53 Badala 96 angp,mult,p	37.48 - 47.84 Poitou 92 col
Baglin 91C pt	$\pi^0 \text{ mult}[\text{charged}] X$	$\pi^- X$
Odyniec 91B et,mult	15.53 Badala 96 angp,mult,p	37.48 - 47.84 Poitou 92 col
		57.41 - 100.8 Beavis 92 p
$\psi(2S) X$	$^{36}\text{Ar Ag}$	$p X$
6400 Baglin 95B cs	$n X$	37.48 - 100.8 Beavis 92 p
Baglin 94 cs	9.278 Sackett 91 angp,p	deuteron X
		37.48 - 100.8 Beavis 92 p
$\mu^- \mu^+ X$	$^{36}\text{Ar } ^{112}\text{Sn}$	$2p X$
6390 Baglin 92B mass	$\pi^0 X$	25.33 - 66.51 Dupieux 91 cor
6400 Baglin 95 mass	15.53 Badala 96 angp,mult,p	37.48 Dupieux 91 cor
	$\pi^0 \text{ mult}[\text{charged}] X$	He deuteron X
6420 Baglin 91D mass	15.53 Badala 96 angp,mult,p	57.41 Dupieux 91 cor,p
Baglin 91B pt		$2\pi^- (\pi^-s) X$
Baglin 91C pt	$^{36}\text{Ar } ^{197}\text{Au}$	100.8 Zhang 93 col
Jacob 91 et	$\pi^0 X$	$2\text{frag mult}[\text{charged}] X$
Odyniec 91B mass	15.53 Badala 96 angp,mult,p	37.48 Jiang 92 ang,cor
	frag X	$2\text{frag (frags) mult}[\text{charged}] X$
$\pi^+ (\text{neutrals}) X$	$\pi^0 \text{ mult}[\text{charged}] X$	37.48 Jiang 92 ang,col
6420 Abreu 92M et,pt	11.13 - 16.77 Phair 92 angp,p	
$\pi^- (\text{neutrals}) X$		
6420 Abreu 92M et,pt		
$\omega (\text{neutrals}) X + \rho (\text{neutrals}) X$	$\pi^0 \text{ mult}[\text{charged}] X$	$^{40}\text{Ar p}$
6390 Baglin 92B cor,cs,et	15.53 Badala 96 angp,mult,p	inelastic
$\omega (\text{neutrals}) X + \rho^0 (\text{neutrals}) X$		30.36 Dudkin 94 cs
6400 Baglin 91D cs,et		Bogdanov 93 a-dep,cs
	Ar nucleus	shower X
$K^+ (\text{neutrals}) X$	$\pi^0 X$	30.36 Dudkin 94 mult
6420 Abreu 92M et,pt	11.43 Batkin 91 cs,p	grey X
$K^- (\text{neutrals}) X$	$2\pi^- X$	30.36 Dudkin 94 mult
6420 Abreu 92M et,pt	100.8 Christie 92 cor,p	black X
	Ar C	30.36 Dudkin 94 mult
$\phi(1020) (\text{neutrals}) X$	fragb X	fragb X
6390 Baglin 92B cor,cs,et	94.4 Brady 94 a-dep,cs	30.36 Bogdanov 94 mult
6400 Baglin 91D cs,et		34.5 - 62.7 Chen 94 cs
$J/\psi(1S) (\text{neutrals}) X$	Ar Fl	$^{40}\text{Ar nucleus}$
6390 Baglin 92B cor,cs,et,pt	$\pi^+ X$	shower X
Abreu 91E et,pt	37.48 - 47.84 Poitou 92 col	30.36 Dudkin 94 mult
6400 Baglin 95B cs,et	$\pi^- X$	Bogdanov 93 a-dep,mult
Baglin 94 cs,et	37.48 - 47.84 Poitou 92 col	
Baglin 91E et	Ar Na	grey X
6420 Baglin 91B cor,et,pt	$\pi^+ X$	30.36 Dudkin 94 mult
Baglin 91C cor,et,pt	37.48 - 47.84 Poitou 92 col	Bogdanov 93 a-dep,mult
$\psi(2S) (\text{neutrals}) X$	$\pi^- X$	black X
6400 Baglin 95B cs,et	37.48 - 47.84 Poitou 92 col	30.36 Dudkin 94 mult
Baglin 94 cs,et		Bogdanov 93 a-dep,mult
$\mu^- \mu^+ (\text{neutrals}) X$	Ar Ca	fragb X
6390 Baglin 92B pt	$\pi^0 X$	30.36 Bogdanov 94 mult,pt
Abreu 91E et,pt	66.51 Schwalb 94 cs,mult,pt	$2\pi^- X$
6400 Baglin 94 et,mass	ηX	103.6 Chacon 91 angp,cor
Baglin 91D cs,et	66.51 Berg 91 cs,p,pt	
6420 Baglin 91B cor,et,pt	66.51 - 88.18 Berg 94 cs,pt	
Baglin 91C cor,et,pt	mult[π^0] mult[charged] X	$^{40}\text{Ar C}$
	66.51 Schwalb 94 cor,mult	inelastic
$^{36}\text{Ar p}$	$2\gamma X$	30.36 Dudkin 94 cs
fragb X	66.51 - 88.18 Berg 94 mass	Bogdanov 93 a-dep,cs
31.05 - 56.52 Chen 94 cs	$2p X$	
	25.33 - 66.51 Dupieux 91 cor	$^{40}\text{Ar Nit}$
$^{36}\text{Ar nucleus}$	37.48 Dupieux 91 cor	inelastic
frag X	He deuteron X	30.36 Dudkin 94 cs
12.74 Barz 92 angp	57.41 Dupieux 91 cor,p	Bogdanov 93 a-dep,cs
	Ar Nb	$^{40}\text{Ar O}$
$^{36}\text{Ar } ^{27}\text{Al}$	$\pi^+ X$	inelastic
$\pi^0 X$	37.48 - 47.84 Poitou 92 col	30.36 Dudkin 94 cs
15.53 Badala 96 angp,mult,p	$\pi^- X$	Bogdanov 93 a-dep,cs
$2\text{charged} X$	37.48 - 47.84 Poitou 92 col	
11.09 - 15.53 Buta 95 cor	$2p X$	$^{40}\text{Ar Al}$
$2\gamma X$	25.33 - 66.51 Dupieux 91 cor	charged X
15.53 Badala 95 ang,p	37.48 Dupieux 91 cor	9.204 - 16.28 Shen 93 col
$\pi^0 \text{ mult}[\text{charged}] X$		
15.53 Badala 96 angp,mult,p		

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$^{58}\text{Ni Be} \rightarrow ^{57}\text{Ni X}$

$\text{Nb C} \rightarrow \text{fragb X}$

$^{58}\text{Ni Be}$									Kr nucleus
$^{57}\text{Ni X}$ 74.13	Blank 94	a-dep,cs	$^{84}\text{Kr Al}$	fragb X 85.6 – 188.7	Nilsen 95	a-dep,cs			(showers) 2shower X 116.2 Ghosh 94B ang,col
$^{58}\text{Ni } ^{58}\text{Ni}$			$^{84}\text{Kr } ^{27}\text{Al}$	$\pi^+ \text{ X}$ 28.53	Perrin 92	p			2grey (greys) X 116.2 Ghosh 94B ang,col
$K^+ \text{ X}$ 98.04	Ritman 95	p,pt		$\pi^- \text{ X}$ 28.53	Perrin 92	p			2black (blacks) X 116.2 Ghosh 94B ang,col
$K_S \text{ X}$ 98.04	Ritman 95	p,pt	$^{84}\text{Kr } ^{59}\text{Co}$	fragb X 53.96	Donzaud 95	angp			grey (greys) (showers) shower X 116.2 Ghosh 94B ang,col
$p \text{ X}$ 98.04	Ritman 95	p,pt		$p \text{ fragb X}$ 53.96	Donzaud 95	cs			black (blacks) (showers) shower X 116.2 Ghosh 94B ang,col
$\Lambda \text{ X}$ 98.04	Ritman 95	p,pt		$^4\text{He fragb X}$ 53.96	Donzaud 95	cs			black (blacks) grey (greys) X 116.2 Ghosh 94B ang,col
$\pi^+ \pi^- \text{ X}$ 98.04	Ritman 95	mass	$^{84}\text{Kr Cu}$	X 85.6 – 188.7	Nilsen 95	a-dep,cs			Kr Be
$p \pi^- \text{ X}$ 98.04	Ritman 95	mass		fragb X 85.6 – 188.7	Nilsen 95	a-dep,cs			fragb X 90.56 Weber 92 cs
$^{58}\text{Ni Ni}$			$^{84}\text{Kr } ^{93}\text{Nb}$	mult[frag] X 21.65 – 32.03	Llope 95	a-dep,col,mult			Kr C
$\pi^- \text{ X}$ 140.3 – 152	Schroeter 94	p		$\pi^+ \text{ X}$ 28.53	Perrin 92	p			Cd X 87.25 – 184.2 Nilsen 94 a-dep,cs
$K^- \text{ X}$ 140.3 – 152	Schroeter 94	p		$\pi^- \text{ X}$ 28.53	Perrin 92	p			Kr Al
$\bar{p} \text{ X}$ 140.3 – 152	Schroeter 94	p	$^{84}\text{Kr } ^{108}\text{Ag}$	X 85.6 – 188.7	Nilsen 95	a-dep,cs			Cd X 87.25 – 184.2 Nilsen 94 a-dep,cs
Ni Cu				fragb X 85.6 – 188.7	Nilsen 95	a-dep,cs			Kr Cu
$p \text{ frag (frags) X}$ 161.7	Justice 95	col,p		fragb X 85.6 – 188.7	Nilsen 95	a-dep,cs			Cd X 87.25 – 184.2 Nilsen 94 a-dep,cs
$\Lambda \text{ frag (frags) X}$ 161.7	Justice 95	col,p	$^{84}\text{Kr } ^{107}\text{Au}$	mult[charged] X 21.65 – 30.8 Peaslee 94 37.22 – 79.92 Peaslee 94		mult mult			Kr Zr
$^{64}\text{Zn } ^{48}\text{Ti}$				mult[frag] X 21.65 – 30.8 Peaslee 94 37.22 – 79.92 Peaslee 94		mult mult			$\pi^0 \text{ X}$ 140.9 Schwalb 94 cs,mult,pt
2charged X 16.35 – 24.85	Buta 95	cor		$\pi^+ \text{ X}$ 28.53	Perrin 92	p			mult[π^0] mult[charged] X 140.9 Schwalb 94 cor,mult
$^{64}\text{Zn } ^{58}\text{Ni}$			$^{84}\text{Kr Sn}$	$\pi^- \text{ X}$ 28.53	Perrin 92	p			Kr Sn
2charged X 16.35 – 24.85	Buta 95	cor		X 85.6 – 188.7	Nilsen 95	a-dep,cs			Cd X 87.25 – 184.2 Nilsen 94 a-dep,cs
$^{78}\text{Kr } ^{58}\text{Ni}$				fragb X 85.6 – 188.7	Nilsen 95	a-dep,cs			Kr Pb
fragb X 29.52	Pfaff 96	a-dep,cs		fragb X 85.6 – 188.7	Nilsen 95	a-dep,cs			Cd X 87.25 – 184.2 Nilsen 94 a-dep,cs
$^{84}\text{Kr p}$			$^{84}\text{Kr } ^{197}\text{Au}$	mult[charged] X 21.65 – 30.8 Peaslee 94 37.22 – 79.92 Peaslee 94		mult mult			$^{86}\text{Kr } ^9\text{Be}$
X 85.6 – 188.7	Nilsen 95	a-dep,cs		mult[frag] X 21.65 – 30.8 Peaslee 94 37.22 – 79.92 Peaslee 94		mult mult			fragb X 93.48 Weber 94 cs,p
fragb X 85.6 – 188.7	Nilsen 95	a-dep,cs		$\pi^+ \text{ X}$ 28.53	Perrin 92	p			$^{86}\text{Kr Cu}$
$^{84}\text{Kr nucleus}$				$\pi^- \text{ X}$ 28.53	Perrin 92	p			fragb X 93.48 Weber 94 cs,p
mult[fragb] X 190.5	Jain 93C Jain 93D	col,mult col,mult		frag X 24.05	Stuttge 92	angp,p			$^{86}\text{Kr Zr}$
mult[htrack] 3fragb (fragbs) X 190.5	Jain 94B	angp,cor,mult		fragb X 53.96	Donzaud 95	angp			$\eta \text{ X}$ 145.5 Berg 94 cs,pt
(He's) ^3He mult[htrack] X 190.5	Jain 94B	angp,cor,mult		mult[frag] mult[charged] X 21.65 – 30.8 Peaslee 94 37.22 – 79.92 Peaslee 94		mult mult			$2\gamma \text{ X}$ 145.5 Berg 94 mass
$^{84}\text{Kr } ^7\text{Li}$			$^{84}\text{Kr Pb}$	X 85.6 – 188.7	Nilsen 95	a-dep,cs			$^{86}\text{Kr Ta}$
$\pi^+ \text{ X}$ 28.53	Perrin 92	p		fragb X 85.6 – 188.7	Nilsen 95	a-dep,cs			fragb X 93.48 Weber 94 cs,p
$\pi^- \text{ X}$ 28.53	Perrin 92	p	Kr p	X 85.6 – 188.7	Nilsen 95	a-dep,cs			$^{86}\text{Kr } ^{197}\text{Au}$
$^{84}\text{Kr C}$				fragb X 85.6 – 188.7	Nilsen 95	a-dep,cs			$^{194}\text{Au X}$ 145.5 Aumann 94 cs
X 85.6 – 188.7	Nilsen 95	a-dep,cs		fragb X 85.6 – 188.7	Nilsen 95	a-dep,cs			$^{196}\text{Au X}$ 145.5 Aumann 94 cs
fragb X 85.6 – 188.7	Nilsen 95	a-dep,cs	Kr nucleus	fragb X 85.6 – 188.7	Nilsen 95	a-dep,cs			$^{196}\text{Au } ^{86}\text{Kr n}$ 145.5 Aumann 93 cs
$^{84}\text{Kr Al}$				multicharged X 87.25 – 184.2 Nilsen 94		a-dep,cs			$^{194}\text{Au } ^{86}\text{Kr } 3n$ 145.5 Aumann 93 cs
X 85.6 – 188.7	Nilsen 95	a-dep,cs		Cd X 87.25 – 184.2	Nilsen 94	a-dep,cs			Nb C
				fragb X 87.25 – 184.2	Nilsen 94	a-dep,cs			fragb X 222.1 Brady 94 a-dep,cs,pt

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

$^{139}\text{La } ^{51}\text{Va} \rightarrow 2\text{frag X}$

$\text{Au C} \rightarrow 3\text{fragb X}$

$^{139}\text{La } ^{51}\text{Va}$	Ho U	Au nucleus
2frag X 35.83 - 45.15 Rouselchoma 93 cor	Eu X 275.6 Westphal 91 cs	$^4\text{He X}$ 2264 Cherry 94 pt Cherry 94B mult
$^{139}\text{La Cu}$	Au p	He X 2285 Adamovich 94C angp,mult Otterlund 93 angp,mult
frag X 38.35 - 42.99 Rouselchoma 93 angp,cs,p	frag X 2080 Stocker 95 a-dep,cs Waddington 94 a-dep,cs	Os X 2264 Nilsen 94 a-dep,cs
2frag X 35.83 - 45.15 Rouselchoma 93 cor	fragb X 299.1 - 333.3 Rusch 94 mass,mult,pt	Ir X 2264 Nilsen 94 a-dep,cs
$^{139}\text{La } ^{139}\text{La}$	Au nucleus	Pt X 2264 Nilsen 94 a-dep,cs
$\pi^- \text{ X}$ 85.06 - 97.84 Miller 93 angp	inelastic 2285 Otterlund 93 cs	Au X 2264 Nilsen 94 a-dep,cs
$\pi^- \text{ mult[charged] X}$ 85.06 - 97.84 Miller 93 mult	mult[charged] X 2264 Cherry 94B mult 2285 Adamovich 95D mult	Hg X 2264 Nilsen 94 a-dep,cs
$\pi^- \text{ fragb X}$ 198.8 Hashimoto 94 a-dep,cs,p,pt	mult[π^\pm] X 2285 Adamovich 95D mult	mult[^4He] mult[fragb] X 2264 Cherry 95 mult
$^{139}\text{La La}$	mult[p] X 2264 Cherry 94 mult 2285 Adamovich 95D mult	mult[p] mult[shower] X 2264 Cherry 94 mult
$2\pi^- \text{ X}$ 275.7 Bossy 91 angp,cor,p	mult[He] X 2285 Adamovich 94C mult	mult[shower] mult[fragb] X 2264 Cherry 94B cor,mult
$2\pi^- \text{ mult[charged] X}$ 275.7 Bossy 91 angp,cor,mult,p	mult[^4He] X 2264 Cherry 94 mult Cherry 94B mult	mult[grey] mult[shower] X 2285 Adamovich 95F cor,mult
$^{139}\text{La Pb}$	mult[fragb] X 2264 Cherry 95 mult Cherry 94B mult 2285 Adamovich 95D mult	mult[black] mult[shower] X 2264 Cherry 94 mult Cherry 94B cor,mult 2285 Adamovich 95F cor,mult
fragb X 266.5 Christie 93B a-dep,cs,pt	mult[shower] X 2264 Cherry 94 mult 2285 Adamovich 95D mult,p	mult[black] mult[grey] X 2264 Cherry 94 mult
$^{139}\text{La } ^{238}\text{U}$	mult[grey] X 2285 Adamovich 95F mult Adamovich 95I mult	mult[^4He] shower X 2285 Adamovich 95I mult
frag $^-$ X 281.9 Deboer 91 cs	mult[htrack] X 2264 Cherry 94 mult	mult[^4He] grey X 2285 Adamovich 95I mult
La C	mult[black] X 2264 Cherry 94 mult 2285 Adamovich 95F mult	mult[^4He] black X 2285 Adamovich 95I mult
fragb X 265.1 Brady 94 a-dep,cs,pt	multicharged X 2080 Stocker 95 a-dep,cs Waddington 94 a-dep,cs	shower fragb X 2285 Adamovich 95I mass,mult
La La	shower X 2264 Nilsen 94 a-dep,cs	grey fragb X 2285 Adamovich 95I mass,mult
p X 194.8 Dardenne 94 angp,p	shower X 2264 Cherry 94 p Cherry 94B mult,p 2285 Adamovich 95D mult,p Adamovich 95I mult	black fragb X 2285 Adamovich 95I mass,mult
frag X 194.8 Dardenne 94 angp,p	shower 0fragb X 2264 Cherry 94 p 2285 Adamovich 95I mult	He mult[shower] X 2285 Adamovich 94C cor,mult,pt
deuteron X 194.8 Dardenne 94 angp,p	grey X 2264 Cherry 94B mult 2285 Adamovich 95E angp Adamovich 95I mult,p	Au C
$^3\text{H X}$ 194.8 Dardenne 94 angp,p	grey 0fragb X 2285 Adamovich 95I mult,p	mult[frag] X 239.5 Begemannblai 93 angp,cor,cs,mult
$^3\text{He X}$ 194.8 Dardenne 94 angp,p	black X 2264 Cherry 94B angp,mult 2285 Adamovich 95I mult	mult[fragb] X 239.5 Hubele 91 cor 333.3 Gilkes 94 col,mult
$^4\text{He X}$ 194.8 Dardenne 94 angp,p	black 0fragb X 2285 Adamovich 95I mult	frag X 239.5 Kreutz 93 cs 2080 Stocker 95 a-dep,cs Waddington 94 a-dep,cs
$2\pi^- \text{ X}$ 265.1 Christie 93 cor,p	p X 2264 Cherry 94B mult	fragb X 299.1 - 333.3 Rusch 94 mass,mult,pt 333.3 Brady 94 a-dep,cs,pt
Ho C	frag X 2264 Cherry 95 cs,mass	Hg X 2264 Nilsen 94 a-dep,cs
Eu X 275.6 Westphal 91 cs	fragb X 2264 Cherry 94 mult Cherry 94B mult 2285 Otterlund 93 mult	2frag X 239.5 Kreutz 93 cor
Ho Cu		3fragb X 299.1 - 333.3 Rusch 94 ang,cor
Eu X 275.6 Westphal 91 cs		
Ho Ag		
Eu X 275.6 Westphal 91 cs		
Ho Sn		
Eu X 275.6 Westphal 91 cs		
Ho Pb		
Eu X 275.6 Westphal 91 cs		

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

Au Al → mult[frag] X

Au Au → ⁶Li X

Au Al		Au Pt		Au Au	
mult[frag] X 239.5	Begemannblai 93 angp,cor,cs,mult	K ⁺ X 2266	Diebold 93 a-dep,angp,p	π ⁻ X 2285	Ashktorad 95 p,pt Stocker 95 mult,p,pt Gonin 94 pt Hamagaki 94 p,pt
mult[fragb] X 239.5	Hubele 91 cor	K ⁻ X 2266	Diebold 93 a-dep,angp,p	K ⁺ X 333.3 2128 2285	Miskowiec 94 angp,cs,p Barrette 95E p,pt Ashktorad 95 p Stocker 95 mult,p,pt Gonin 94 mult,p
charged X 2128	Barrette 95B cs,p Voloshin 95 angp,pt	p X 2266	Saito 94 a-dep,angp,cs,p Diebold 93 a-dep,angp,p	K ⁻ X 2128 2285	Barrette 95E p,pt Ashktorad 95 p
p̄ X 2167	Beavis 95 p	p̄ X 2266	Diebold 93 a-dep,angp,p	p X 87.27 - 143.2 87.27 - 187.4 108.2 143.2 - 366.7 333.3 366.7	Poggi 95 mult,p Dzelalija 95 mult,p Dzelalija 95 p Lisa 95 angp,p Muntz 95 angp,p Miskowiec 94 angp,p Wang 95D angp,col,p,pt
frag X 239.5	Kreutz 93 cs	deuteron X 2266	Saito 94 a-dep,angp,cs,p	2128	Barrette 95E p,pt Beavis 95B angp,p,pt Zhang 95B p,pt Shigaki 95 p,pt Ashktorad 95 p Stocker 95 mult,p,pt Gonin 94 p,pt Stocker 95 angp,p Kaufman 94B angp,p
Hg X 2264	Nilsen 94 a-dep,cs	³ H X 2266	Saito 94 a-dep,angp,cs,p	2128	Barrette 95E p,pt Beavis 95B angp,p,pt Zhang 95B p,pt Shigaki 95 p,pt Ashktorad 95 p Stocker 95 mult,p,pt Gonin 94 p,pt Stocker 95 angp,p Kaufman 94B angp,p
2frag X 239.5	Kreutz 93 cor	³ He X 2266	Saito 94 a-dep,angp,cs,p	2128	Barrette 95E p,pt Beavis 95B angp,p,pt Zhang 95B p,pt Shigaki 95 p,pt Ashktorad 95 p Stocker 95 mult,p,pt Gonin 94 p,pt Stocker 95 angp,p Kaufman 94B angp,p
Au Cu		Au Au			
mult[frag] X 239.5	Begemannblai 93 angp,cor,cs,mult	X 2246	Barrette 94 pt	2128	Beavis 95B angp,p,pt Beavis 95 p Beavis 95C p Stocker 95 p Hayano 94 p
mult[fragb] X 239.5	Hubele 91 cor	mult[He] X 2285	Adamovich 94C mult	2246	X strangelet 2128 Beavis 95B angp,p,pt
charged X 2128	Barrette 95B cs,p Voloshin 95 angp,pt	mult[frag] X 42.7 104.3 239.5	Petrovici 95 mult Alard 92 mult Begemannblai 93 angp,cor,cs,mult	nucleus X 2128	Beavis 95B angp,p,pt
p̄ X 2167	Beavis 95 p	charged X 2128	Barrette 95B cs,p Barrette 95E et,p Voloshin 95 angp,pt Stocker 95 pt Ashktorad 95 angp Stocker 95 p Adamovich 94 p	frag X 87.27 - 187.4	Dzelalija 95 mult,p Kotte 95 a-dep,ang,cor,p
frag X 239.5	Kreutz 93 cs Stocker 95 a-dep,cs Waddington 94 a-dep,cs	2246	Stocker 95 pt	87.27 - 333.3	Kunde 95 mass,p Alard 92 p,pt Petrovici 95 p,pt Partlan 95 mult,p Pochodzalla 95 cs,p
Hg X 2264	Nilsen 94 a-dep,cs	2285	Stocker 95 p Adamovich 94 p Adamovich 94B p	104.3	Kunde 95 mass,p Alard 92 p,pt Petrovici 95 p,pt Partlan 95 mult,p Pochodzalla 95 cs,p
mult[p] mult[fragb] X 239.5	Hubele 91 cor	hadron X 2285	Ahle 94 cs,et,p	143.2 - 366.7	Poggi 95 mult,p Lisa 95 angp,p Wang 95D angp,col,p,pt
mult[deuteron] mult[fragb] X 239.5	Hubele 91 cor	hadron (hadrons) 2128 2246	Zhang 95B col,et,p Barrette 94D col,et	366.7	Beavis 95B angp,col,p,pt Beavis 95B angp,p,pt
mult[trit] mult[fragb] X 239.5	Hubele 91 cor	shower Ofragb X 2285	Stocker 95 p Adamovich 94 p Adamovich 94B p	2128	Beavis 95B angp,p,pt
2frag X 239.5	Kreutz 93 cor	shower X 2285	Stocker 95 p Adamovich 94 p Adamovich 94B p Otterlund 93 p	deuteron X 87.27 - 143.2 143.2 - 366.7 366.7	Poggi 95 mult,p Lisa 95 angp,p Wang 95D angp,col,p,pt
Au Ag		π ⁺ X 333.3	Muntz 95 angp,p Miskowiec 94 angp,p Barrette 95E p,pt Zhang 95B p,pt Ashktorad 95 p,pt Stocker 95 mult,p,pt Gonin 94 pt Hamagaki 94 p,pt	deuteron X 2128	Beavis 95B angp,p,pt
charged X 2285	Stocker 95 p Adamovich 94 p	π ⁰ X 71.75 333.3 2285	Venema 93 angp,pt Schwab 94 cs,mult,pt Ashktorad 95 angp	³ H X 87.27 - 143.2 143.2 - 366.7 2128	Poggi 95 mult,p Lisa 95 angp,p Beavis 95B angp,p,pt
shower X 2285	Stocker 95 p Adamovich 94 p Otterlund 93 p	π ⁻ X 2128	Barrette 95E p,pt	³ He X 87.27 - 143.2 143.2 - 366.7 2128	Poggi 95 mult,p Lisa 95 angp,p Beavis 95B angp,p,pt
shower Ofragb X 2285	Stocker 95 p Adamovich 94 p Adamovich 94B p			⁴ He X 87.27 - 143.2 143.2 - 366.7 2128	Poggi 95 mult,p Lisa 95 angp,p Beavis 95B angp,p,pt
shower fragb X 2285	Stocker 95 p Adamovich 94 p			He X 108.2 2285	Dzelalija 95 p Adamovich 94C angp,mult
Au Sn				Li X 108.2	Dzelalija 95 p
Hg X 2264	Nilsen 94 a-dep,cs			⁶ Li X 2128	Beavis 95B angp,p,pt
Au Pt					

$^{197}\text{Au } ^{197}\text{Au} \rightarrow ^{194}\text{Au X}$ $^{238}\text{U In} \rightarrow \text{fragt fragb X}$

$^{197}\text{Au } ^{197}\text{Au}$	Pb Pb	$^{238}\text{U nucleus}$
$^{194}\text{Au X}$ 334 Aumann 94 cs	$p \pi^- X$ $3.331 \cdot 10^4$ Vassiliadis 95 mass	mult[frag] X 386.3 Singh 92 col,mult
$^{195}\text{Au X}$ 334 Aumann 94 cs	$^{208}\text{Pb Cu}$	mult[fragb] X 386.3 Jain 92 mult 391.8 Jain 93C col,mult Jain 93D col,mult
$^{196}\text{Au X}$ 334 Aumann 94 cs	Tl X 351.9 Clerc 95 cs	$p X$ 386.3 Jain 92 mult,p
$2\gamma X$ 334 Berg 94 mass	Pb X 351.9 Clerc 95 cs	fragb X 386.3 Jain 92 mass,mult,p 391.8 Jain 93 a-dep,cs,mult
π^- mult[charged] X 121.1 - 139.3 Miller 93 mult	$^{208}\text{Pb Pb}$	$^4\text{He X}$ 386.3 Jain 92 mult,p
p 2charged (charged) X 188.3 Leifels 93 ang,col,p	hadron X $3.306 \cdot 10^4$ Alber 95D et,p	fragb (fragbs) X 386.3 Jain 92 col,mult,p
n 2charged (charged) X 188.3 Leifels 93 ang,col,p	$^{208}\text{Pb } ^{208}\text{Pb}$	mult[htrack] 3fragb (fragbs) X 391.8 Jain 94B angp,cor,mult
$^{197}\text{Au } ^{196}\text{Au } n$ 334 Aumann 93 cs	$e^+ X$ 21.47 Tsertos 91B a-dep,angp,p	(He's) ^3He mult[htrack] X 391.8 Jain 94B angp,cor,mult
$^{197}\text{Au } ^{195}\text{Au } 2n$ 334 Aumann 93 cs	^{220}Pb 18.42 - 20.95 Villari 93 angp	
$^{197}\text{Au } ^{194}\text{Au } 3n$ 334 Aumann 93 cs	$^{208}\text{Pb } ^{232}\text{Th}$	
	$e^+ X$ 21.84 Tsertos 91B a-dep,angp,p	$^{238}\text{U Be}$
$^{197}\text{Au Pb}$	$^{208}\text{Pb } ^{238}\text{U}$	fragt fragb X 289.3 - 402.7 Rubehn 96 a-dep,cs
X 2257 Barrette 93B et,p 2435 He 94 cs	X 92.16 - 351.9 Polikanov 94 cs	Be fragb (fragbs) 289.3 - 402.7 Rubehn 95 cs,mass
mult[fragb] X 240.7 Botvina 95 a-dep,col,cs	2frag X 92.16 - 351.9 Polikanov 94 angp,p,pt	$^{238}\text{U } ^9\text{Be}$
frag X 2435 He 93B angp,cs,p	$^{209}\text{Bi } ^{197}\text{Au}$	fragb X 116.1 Justice 94 a-dep,cs
fragb X 2157 Hirzebruch 95 cs 2276 Geer 95 a-dep,cs 2435 He 94 cs	$^{194}\text{Au X}$ 353.6 Aumann 94 cs	$^{238}\text{U C}$
Hg X 2240 He 93 cs	$^{196}\text{Au X}$ 353.6 Aumann 94 cs	fragt fragb X 289.3 - 402.7 Rubehn 96 a-dep,cs
	$^{209}\text{Bi } ^{196}\text{Au } n$ 353.6 Aumann 93 cs	C fragb (fragbs) 289.3 - 402.7 Rubehn 95 cs,mass
	$^{209}\text{Bi } ^{194}\text{Au } 3n$ 353.6 Aumann 93 cs	$^{238}\text{U Al}$
Pb Pb	$^{209}\text{Bi } ^{208}\text{Pb}$	fragb X 289.3 - 375.3 Aumann 95 cs
charged X $3.28 \cdot 10^4$ Adamovich 95E angp	γX 353.6 Kuhn 94 p	fragt fragb X 289.3 - 402.7 Rubehn 96 a-dep,cs
hadron X $3.28 \cdot 10^4$ Margetis 95 et,p	Bi Pb	Al fragb (fragbs) 289.3 - 402.7 Rubehn 95 cs,mass
hadron $^-$ X $3.28 \cdot 10^4$ Margetis 95 p	$p X$ 76.06 Kugler 94 angp,p,pt	$^{238}\text{U } ^{27}\text{Al}$
$\pi^+ X$ $3.264 \cdot 10^4$ Appelquist 95 cs,p $3.271 \cdot 10^4$ Boggild 96 p,pt $3.331 \cdot 10^4$ Boggild 95 pt Boggild 95C pt	$n X$ 76.06 Kugler 94 angp,p,pt	fragb X 116.1 Justice 94 a-dep,cs
$\pi^- X$ $3.264 \cdot 10^4$ Appelquist 95 cs,p $3.271 \cdot 10^4$ Boggild 96 p,pt	deuteron X 76.06 Kugler 94 angp,p,pt	$^{238}\text{U Cu}$
$K^+ X$ $3.264 \cdot 10^4$ Appelquist 95 cs,p $3.331 \cdot 10^4$ Boggild 95 pt Boggild 95C pt	$^3\text{H X}$ 76.06 Kugler 94 angp,p,pt	fragb X 116.1 Justice 94 a-dep,cs 289.3 - 375.3 Aumann 95 cs
$K^- X$ $3.264 \cdot 10^4$ Appelquist 95 cs,p	$^3\text{He X}$ 76.06 Kugler 94 angp,p,pt	Pa X 389.1 Clerc 95 cs
$p X$ $3.264 \cdot 10^4$ Appelquist 95 cs,p $3.331 \cdot 10^4$ Boggild 95 pt Boggild 95C pt	$^4\text{He X}$ 76.06 Kugler 94 angp,p,pt	U X 389.1 Clerc 95 cs
$\bar{p} X$ $3.264 \cdot 10^4$ Appelquist 95 cs,p	$^{232}\text{Th } ^{181}\text{Ta}$	fragt fragb X 289.3 - 402.7 Rubehn 96 a-dep,cs
X strangelet $3.264 \cdot 10^4$ Appelquist 95 cs	$e^+ X$ 24.36 Bokemeyer 91 p	Cu fragb (fragbs) 289.3 - 402.7 Rubehn 95 cs,mass
deuteron X $3.264 \cdot 10^4$ Appelquist 95 cs,p	$^{232}\text{Th } ^{232}\text{Th}$	$^{238}\text{U } ^{110}\text{Pd}$
deuteron X $3.264 \cdot 10^4$ Appelquist 95 cs,p	$e^+ X$ 24.36 Bokemeyer 91 p	$e^+ X$ 24.99 Tsertos 91B a-dep,angp,p
$2\pi^- X$ $3.331 \cdot 10^4$ Alber 95 cor,p,pt	$^{232}\text{Th } ^{248}\text{Cm}$	$^{238}\text{U Ag}$
	$e^+ X$ 24.36 Bokemeyer 91 p	fragb X 116.1 Justice 94 a-dep,cs
		$^{238}\text{U In}$
		fragt fragb X 289.3 - 402.7 Rubehn 96 a-dep,cs

^{238}U In \rightarrow In fragb (fragbs) ^{238}U ^{248}Cm \rightarrow e^+ X

^{238}U In			
In fragb (fragbs)	289.3 – 402.7	Rubehn 95	cs,mass
^{238}U ^{181}Ta			
e^+ X	24.76 – 25.83	Ahmad 95B	mass,p
	24.93 – 25.99	Bokemeyer 91	p
	24.99	Tsertos 91B	a-dep,angp,p
$e^- e^+$ X	24.93 – 25.99	Bokemeyer 91	p
	25.83	Bokemeyer 91	mass,p
^{238}U Au			
fragt fragb X	289.3 – 402.7	Rubehn 96	a-dep,cs
Au fragb (fragbs)	289.3 – 402.7	Rubehn 95	cs,mass
^{238}U ^{197}Au			
e^+ X	24.99	Tsertos 91B	a-dep,angp,p
^{196}Au X	391.8	Hill 91	cs
^{238}U Pb			
fragb X	289.3 – 375.3	Aumann 95	cs
^{238}U ^{208}Pb			
$e^- e^+$ X	24.99	Bokemeyer 91	mass,p
^{238}U ^{232}Th			
e^+ X	24.74 – 25	Ahmad 95B	mass,p
	24.91 – 24.99	Bokemeyer 91	p
	24.99	Bokemeyer 91	p
		Tsertos 91B	a-dep,angp,p
neutral X	24.74 – 25	Ahmad 95B	cs
$e^- e^+$ X	24.74 – 25	Ahmad 95B	mass,p
	24.76 – 25.83	Ahmad 95B	mass,p
	24.91 – 24.99	Bokemeyer 91	p
^{238}U ^{238}U			
e^+ X	24.99	Bokemeyer 91	p
	24.99 – 25.62	Tsertos 91B	a-dep,angp,p
$e^- e^+$ X	24.78	Bokemeyer 91	mass,p
^{238}U U			
fragb X	116.1	Justice 94	a-dep,cs
fragt fragb X	289.3 – 402.7	Rubehn 96	a-dep,cs
U fragb (fragbs)	289.3 – 402.7	Rubehn 95	cs,mass
^{238}U ^{248}Cm			
e^+ X	24.99	Bokemeyer 91	p

Entries are in order of beam name, then target name, then multiplicity of final state. Particle names are ordered as described in the legend on page 159 and as listed in the Particle Vocabulary. See also the Table of Contents of this Index beginning on the page 160. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). Beam momenta are p_{lab} in GeV/c, or in parentheses E_{cm} in GeV.

This index lists papers by names of particles studied or produced and their decays, ordered by particle name, then decay.

Particle names follow the ordering in the Particle Vocabulary of this compilation. The particle ordering is: gauge bosons, leptons, mesons, baryons, atoms, and nuclei, and within each group the ordering is mainly by increasing mass. However, within mesons and baryons, ordering is nonstrange, strange, charmed, bottom To simplify searching in this Index, a short "Table of Contents" of the full Index comes first.

For a given particle, the decays are divided into two classes: inclusive and exclusive, with inclusive first. In each inclusive or exclusive sample, ordering is by the final-state multiplicity, with separation of semileptonic from nonleptonic final states; semileptonic appear first, then nonleptonic. The decays are further ordered by names of the final-state particles, taking into account the weak and strong isospin multiplet structures. When no decay mode is given, no mode was given in the original paper.

For a given decay, papers are ordered by year (most recent first), then first author name. For the full reference, see the ID/Reference/Title Index.

Illustrative Key

Particle: see the *Particle Vocabulary* for nomenclature.

Decay: decay mode of the particle.

$a_2(1320)^+$	Ahmad 92 Baltrusaitis 91 Bisello 91B Kopke 89 Thorndike 88
$\eta \pi^+$	Atkinson 92C <u>Landsberg 91</u>
$K^+ K_S$	Landsberg 91

Document ID: see *ID/Reference/Title Index* for the full reference.

This is a short "Table of Contents" of the full Particle/Decay Index

higgs	334	t	355	$b_1(1235)^+$	362	$\bar{K}_1(1270)^0$	367
charged $^{++}$	334	\bar{t}	356	$b_1(1235)^0$	362	$K_1(1270)^-$	367
jet	334	diquark	356	$b_1(1235)^-$	362	$K_1(1400)$	367
jet $^+$	335	b'	356	$f_0(1240)$	362	$K_1(1400)^+$	367
jet $^-$	335	\bar{b}'	356	$a_1(1260)$	362	$K_1(1400)^0$	367
heavy	335	s-particle	356	$a_1(1260)^+$	362	$\bar{K}_1(1400)^0$	367
longlived	335	neutralino	356	$a_1(1260)^0$	362	$K_1(1400)^-$	367
longlived $^+$	335	chargino	356	$a_1(1260)^-$	362	$\bar{K}^*(1370)^0$	367
longlived 0	335	chargino $^+$	356	$f_2(1270)$	362	$K^*(1410)^-$	367
longlived $^-$	335	chargino $^-$	356	$f_1(1285)$	362	$K_0^*(1430)^0$	367
γ^*	336	photino	356	$\eta(1295)$	362	$\bar{K}_0^*(1430)^0$	367
W^\pm	336	wino $^+$	356	$\pi(1300)^0$	362	$K_0^*(1430)^-$	368
W^+	336	wino $^-$	356	$a_0(1320)^0$	362	$K_2^*(1430)^+$	368
W^-	337	zino	356	$a_2(1320)$	362	$K_2^*(1430)^0$	368
Z^0	338	gluino	356	$a_2(1320)^+$	362	$\bar{K}_2^*(1430)^0$	368
gluon	343	gravitino	357	$a_2(1320)^0$	363	$K_2^*(1430)^-$	368
H^0	343	higgsino	357	$a_2(1320)^-$	363	$K(1460)^-$	368
axion	343	H_0^+	357	$h_1(1380)$	363	$K^*(1680)^+$	368
W_R	343	A^+	357	$f_0(1400)$	363	$K^*(1680)^0$	368
W_R^+	343	H_2^0	357	$f_1(1420)$	363	$\bar{K}^*(1680)^0$	368
W_R^-	343	H^+	357	$\omega(1420)$	363	$K^*(1680)^-$	368
W'^\pm	343	H^-	357	$\eta(1440)$	363	$K_2(1770)$	368
W'^+	343	$\bar{\ell}$	357	$\rho(1450)$	363	$K_2(1770)^-$	368
W'^-	343	$\bar{\ell}^-$	357	$\rho(1450)^0$	363	$K_3^*(1780)^+$	368
Z'	343	$\bar{\ell}^+$	357	$\rho(1450)^-$	363	$K_3^*(1780)^0$	368
lepto-gluon	343	$\bar{\nu}_c$	357	$f_2(1520)$	363	$K_3^*(1780)^-$	368
lepto-quark	343	$\bar{\nu}_e$	357	$f_0(1525)$	363	$K_2(1820)^-$	368
lepto-quark	344	\bar{e}^-	357	$f_2'(1525)$	363	$K_4^*(2045)$	368
goldstone	344	\bar{e}^+	357	$f_0(1590)$	363	$K_4^*(2045)^+$	368
majoron	344	$\bar{\mu}^-$	357	$\omega(1600)$	363	$K_4^*(2045)^0$	368
arion	344	$\bar{\mu}^+$	357	$f_2(1640)$	363	$K^*(\text{unspec})^+$	368
axigluon	344	$\bar{\tau}^-$	357	$\omega_3(1670)$	363	$K^*(\text{unspec})^0$	368
higgs $^{++}$	344	$\bar{\tau}^+$	357	$\pi_2(1670)$	363	$\bar{K}^*(\text{unspec})^0$	368
higgs $^{--}$	344	\bar{q}	357	$\pi_2(1670)^+$	364	$\phi(1020)$	368
S^0	344	\bar{q}	357	$\pi_2(1670)^-$	364	$\phi(1680)$	369
ℓ	344	\bar{l}	357	$\pi_2(1670)^0$	364	charm	369
ν	344	\bar{l}	357	$\rho_3(1690)$	364	charm	369
$\bar{\nu}$	344	\bar{l}_1	357	$\rho_3(1690)^0$	364	charm $^\pm$	369
ν_e	344	\bar{l}_1	357	$\rho(1700)^0$	364	charm 0	369
$\bar{\nu}_e$	344	ℓ^*	357	$f_J(1710)$	364	charm $^-$	369
ν_μ	344	ν^*	357	$X(1740)$	364	charm-meson	369
$\bar{\nu}_\mu$	344	$\bar{\nu}^*$	358	$X(1750)^-$	364	charm-meson	369
ν_τ	344	$e^{*\pm}$	358	$\pi(1770)^-$	364	$D(\text{unspec})$	369
$\bar{\nu}_\tau$	344	e^{*-}	358	$f_2(1810)$	364	D^\pm	369
ℓ^\pm	344	e^{*+}	358	$X(1814)^-$	364	D	369
ℓ^-	345	μ^{*-}	358	$\eta_2(1870)$	364	D^+	369
ℓ^+	345	μ^{*+}	358	$X(1910)$	364	D^0	370
τ^\pm	345	τ^{*-}	358	$f_2(1920)$	364	\bar{D}	373
τ^-	345	τ^{*+}	358	$X(1950)$	364	\bar{D}^0	373
τ^+	349	q^*	358	$a_4(2040)^0$	364	D^0	374
heavy-lepton	351	\bar{q}^*	358	$f_4(2050)$	364	D^-	374
heavy- ν	351	millicharged	358	$\rho(2110)^0$	364	$D^*(2010)^\pm$	374
heavy- $\bar{\nu}$	351	monopole	358	$f_2(2150)$	364	$D^*(2010)$	374
heavy- ν_e	352	technirho	358	$\rho(2150)^0$	364	$D^*(2010)^+$	374
heavy- $\bar{\nu}_e$	352	lepton-colored	358	$X(2200)$	364	$D^*(2010)^0$	375
heavy- ν_μ	352	meson	358	$f_4(2220)$	364	$\bar{D}^*(2010)$	375
heavy- $\bar{\nu}_\mu$	352	meson $^+$	358	$\rho_5(2350)^0$	364	$\bar{D}^*(2010)^0$	375
heavy- ν_τ	352	meson 0	358	$f_6(2510)$	364	$D^*(2010)^-$	375
heavy- $\bar{\nu}_\tau$	352	meson $^-$	359	$X(3250)$	364	D^\pm	376
heavy-lepton 0	352	η	359	strange	364	D_s^\pm	376
heavy-lepton 0	352	$f_0(700)$	360	K^+	364	D_s^+	377
heavy-lepton $^-$	352	ρ	360	K^0	365	D_s^0	377
heavy-lepton $^+$	352	ρ^\pm	360	\bar{K}^0	365	D_s^{*+}	377
q	352	ρ^+	360	K^-	365	D_s^{*-}	377
\bar{q}	352	ρ^0	360	K_S	365	$D_1(2420)^+$	377
u	352	ρ^-	360	K_L	365	$D_1(2420)^0$	377
\bar{u}	352	ω	361	$K^*(892)$	366	$\bar{D}_1(2420)^0$	377
d	353	η'	361	$K^*(892)^\pm$	366	$D_1(2420)^-$	377
\bar{d}	353	$f_0(975)$	361	$K^*(892)^+$	366	$D_J(2440)^+$	377
s	353	$a_0(980)$	361	$K^*(892)^0$	366	$D_J(2440)^0$	377
\bar{s}	353	$a_0(980)^+$	362	$\bar{K}^*(892)$	367	$\bar{D}_J(2440)^0$	377
c	353	$a_0(980)^0$	362	$\bar{K}^*(892)^0$	367	$D_J(2440)^-$	377
\bar{c}	353	$a_0(980)^-$	362	$K^*(892)^-$	367	$D_2^*(2460)^+$	377
b	354	$h_1(1170)$	362	$K_1(1270)^+$	367	$D_2^*(2460)^0$	377
\bar{b}	355	$b_1(1235)$	362	$K_1(1270)^0$	367	$\bar{D}_2^*(2460)^0$	377

This is a short "Table of Contents" of the full Particle/Decay Index

$D_2^*(2460)^-$	377	$N(1535 S_{11})^0$	393	Ξ^+	397	^{35}S	399
$D_{s1}(2536)^+$	377	$N(1700 B)^+$	393	Ξ_b^0	397	^{34}Cl	399
$D_{s1}(2536)^-$	378	$N(1700 B)^0$	393	exotic-nucleon	397	$^{35}\text{Ar}^*$	399
$D_{sJ}(2564)^+$	378	$N(\text{unspec})^+$	393	$N_{5/2}^*(1480)^{+++}$	397	^{38}KK	399
$D_{s2}(2573)^+$	378	$\Delta(1232 P_{33})^+$	393	$N_{5/2}^*(1760)^+$	397	^{46}Ca	399
$D_{s2}(2573)^-$	378	$\Delta(1232 P_{33})^{++}$	393	$N(2000 B)^+$	397	^{48}Ca	399
$\eta_c(1S)$	378	$\Delta(1232 P_{33})^+$	393	$N(2050 B)^+$	397	^{42}Sc	399
$h_c(1P)$	378	$\Delta(1232 P_{33})^0$	393	$N_{5/2}^*(\text{unspec})^{+++}$	397	^{46}Va	399
$J/\psi(1S)$	378	$\Delta(1232 P_{33})^-$	393	$N_{5/2}^*(\text{unspec})^{--}$	397	^{51}Cr	399
$\chi_{c0}(1P)$	379	$\Delta(1232 P_{33})^0$	393	$N\phi(1950)^+$	397	^{50}Mn	399
$\chi_{c1}(1P)$	379	$\Delta(1232 P_{33})^{--}$	393	$N\phi(1950)^0$	397	^{55}Fe	399
$\chi_{c2}(1P)$	379	$\Delta(1700 D_{33})^+$	393	$\Xi^*(\text{unspec})^0$	397	^{54}Co	399
$\eta_c(2S)$	379	$\Delta(1700 D_{33})^-$	393	R-baryon	397	^{63}Ni	399
$\psi(2S)$	379	$\Delta(\text{unspec})^{++}$	393	R-proton	397	^{70}Zn	399
$\psi(3770)$	380	$\Delta(\text{unspec})^0$	393	R- Λ	397	^{71}Ge	399
$\chi_c(\text{unspec})$	380	hyperon	393	R- Ξ^-	397	^{76}Ge	399
bottom	380	hyperon	393	anomalous	397	^{82}Se	399
bottom	380	$\Lambda(1405 S_{01})$	393	fireball	397	^{78}Kr	399
B^\pm	381	$\Lambda(1520 D_{03})$	393	chiron	397	Yt^*	399
B	381	$\bar{\Lambda}(1520 D_{03})$	393	strangelet	397	^{94}Zr	399
B^+	382	$\Lambda(1600 P_{01})$	393	positronium	398	^{96}Zr	399
B^0	383	$\Lambda(1670 S_{01})$	393	muonium	398	^{100}Mo	399
\bar{B}	385	$\Lambda(1690 D_{03})$	393	muonium	398	^{96}Ru	400
\bar{B}^0	386	Σ^\pm	393	$(\pi\pi)_{\text{atom}}$	398	$^{100}\text{Ru}^*$	400
B^-	387	Σ^+	393	$(\pi p)_{\text{atom}}$	398	^{110}Pd	400
$B(\text{unspec})$	388	Σ^0	394	$(\pi p^*)_{\text{atom}}$	398	^{106}Cd	400
$\bar{B}(\text{unspec})$	388	Σ^-	394	$(\bar{p}p)_{\text{atom}}$	398	^{114}Cd	400
B^*	388	$\bar{\Sigma}^+$	394	$(\bar{p}\text{He})_{\text{atom}}$	398	^{116}Cd	400
B^{*+}	388	$\bar{\Sigma}^0$	394	H(atom)	398	^{107}In	400
B^{*0}	388	$\bar{\Sigma}^-$	394	H(atom)*	398	^{122}Sn	400
\bar{B}^*	388	$\Sigma(1385 P_{13})^+$	394	$^2\text{H}(\text{atom})^*$	398	^{124}Sn	400
\bar{B}^{*0}	388	$\Sigma(1385 P_{13})^-$	394	Ne(atom)	398	^{128}Te	400
B^{*-}	388	$\bar{\Sigma}(1385 P_{13})^+$	394	$^{50}\text{Cr}(\text{atom})$	398	^{130}Te	400
$B_J^*(5732)$	388	$\bar{\Sigma}(1385 P_{13})^-$	394	$^{55}\text{Fe}(\text{atom})$	398	^{124}Xe	400
$\bar{B}_J^*(5732)$	388	$\bar{\Sigma}(1660 P_{11})^+$	394	$^{58}\text{Ni}(\text{atom})$	398	^{136}Xe	400
$B^*(\text{unspec})$	388	$\Sigma(1660 P_{11})^0$	394	$^{64}\text{Zn}(\text{atom})$	398	^{130}Ba	400
B_s	388	$Y^*(\text{unspec})$	394	$^{71}\text{Ge}(\text{atom})$	398	^{132}Ba	400
\bar{B}_s	389	Ξ	394	$^{92}\text{Mo}(\text{atom})$	398	$^{139}\text{La}^*$	400
B_c^+	389	Ξ^0	394	$^{106}\text{Cd}(\text{atom})$	398	^{148}Nd	400
B_c^-	389	Ξ^+	394	$^{108}\text{Cd}(\text{atom})$	398	^{150}Nd	400
η_c	389	Ξ^{0+}	394	$^{125}\text{I}(\text{atom})$	398	^{160}Nd	400
$\Upsilon(1S)$	389	$\Xi(1530 P_{13})^0$	395	$^{163}\text{Ho}(\text{atom})$	398	^{160}Gd	400
$h_b(1P)$	390	$\Xi(1530 P_{13})^-$	395	$^{180}\text{Wt}(\text{atom})$	398	^{177}Lu	400
$\chi_{b0}(1P)$	390	$\Xi(1530 P_{13})^0$	395	$^{196}\text{Hg}(\text{atom})$	398	^{186}Wt	400
$\chi_{b1}(1P)$	390	Ω^-	395	$^{163}\text{Dy}(\text{ion } 66^+)$	398	^{187}Re	400
$\chi_{b2}(1P)$	390	$\bar{\Omega}^+$	395	nucleus	398	^{192}Os	400
$\Upsilon(1D)$	390	charmed-baryon	395	hypernucleus	398	^{198}Pt	400
$\Upsilon(2S)$	390	Λ_c	395	dibaryon	398	^{214}Bi	400
$\chi_{b0}(2P)$	390	Λ_c^+	395	dibaryon $^+$	398	^{238}U	400
$\chi_{b1}(2P)$	390	$\bar{\Lambda}_c$	396	dibaryon($S = -1$)	398	^{244}Pu	400
$\chi_{b2}(2P)$	390	Λ_c^{*+}	396	hypernucleus($S = -2$)	398	^{244}Cm	400
$\Upsilon(3S)$	390	$\bar{\Lambda}_c^{*-}$	396	dibaryon($S = -2$)	398	^{252}Cf	400
$\Upsilon(4S)$	390	$\Lambda_c(2625)^+$	396	dibaryon($S = -2$) $^+$	398		
$\Upsilon(10860)$	391	$\bar{\Lambda}_c(2625)^-$	396	dibaryon($S = -2$) *	398		
$\Upsilon(\text{unspec})$	391	Λ_c^{*+}	396	dibaryon($S = -3$)	398		
top	391	$\bar{\Lambda}_c^{*-}$	396	^3H	398		
top	392	$\Sigma_c(2455)$	396	$^3\text{H}_s$	399		
exotic	392	$\Sigma_c(2455)^{++}$	396	tribaryon	399		
exotic-meson	392	$\Sigma_c(2455)^+$	396	$^4\text{H}_s$	399		
glueball	392	$\Sigma_c(2455)^0$	396	^{11}Li	399		
$C(1480)^0$	392	$\bar{\Sigma}_c(2455)^0$	396	$^9\text{Be}_s$	399		
$C(1480)^-$	392	$\bar{\Sigma}_c(2455)^-$	396	^8Bor	399		
$X(1600)$	392	$\Sigma_c(2530)^{++}$	396	$^{11}\text{Bor}_s$	399		
baryonium	392	$\Xi_c(2460)$	396	$^{12}\text{C}_s$	399		
baryonium($S = -1$)	392	$\Xi_c(2460)^+$	396	C_s	399		
baryonium($S = +1$)	392	$\Xi_c(2460)^0$	396	C^*	399		
baryon	392	$\Xi_c(2460)^-$	396	C_s^*	399		
p	392	Ω_c	396	^{14}C	399		
n	393	$\bar{\Omega}_c$	397	$^{15}\text{Nit}^*$	399		
$N(1440 P_{11})^+$	393	Λ_b	397	^{14}O	399		
$N(1440 P_{11})^0$	393	$\bar{\Lambda}_b$	397	$^{15}\text{O}^*$	399		
$\bar{N}(1440 P_{11})^-$	393	Ξ_b^0	397	^{16}O	399		
$N(1440 B)^+$	393	Ξ_b^-	397	^{26}Al	399		
$N(1440 B)^0$	393	Ξ_b^+	397	^{27}Si	399		
$N(1520 D_{13})^0$	393	Ξ_b^0	397				

higgs

jet

higgs	Akers 94F Demin 94 Felcini 92 Dydak 91 Goobar 91 Steinberger 90	jet	Abe 96F Adams 96 Abachi 95F Abachi 95G Abachi 95H Abachi 95L Abachi 95M Abachi 95P Abachi 95Q Abachi 95R Abachi 95T Abachi 95V Abachi 95W Abachi 95X Abachi 95Y Abachi 95ZC Abachi 95ZF Abachi 95ZG Abachi 95ZH Abachi 95ZK Abachi 95ZM Abachi 95ZP Abe 95B Abe 95D Abe 95I Abe 95J Abe 95K Abe 95L Abe 95Q Abe 95V Abe 95ZH Abreu 95 Abreu 95C Abreu 95U Acciarri 95C Acciarri 95E Acciarri 95F Acciarri 95J Acciarri 95L Acciarri 95M Adams 95F Ahmed 95C Aid 95 Aid 95D Aid 95I Aid 95J Akers 95 Akers 95C Akers 95I Akers 95K Akers 95N Akers 95Q Alexander 95H Bazizi 95 Beretvas 95B Beretvas 95C Bertram 95 Blazey 95 Buckleygeer 95 Buskalic 95D Buskalic 95G Buskalic 95V Butterworth 95 Conrad 95 Derrick 95B Derrick 95E Derrick 95K Derrick 95N Derrick 95O Derwent 95 Eno 95 Fuess 95 Geer 95B Gibbons 95 Grassmann 95 Greenlee 95 Harris 95 Harris 95B Heuring 95 Hoftun 95 Incandela 95 Incandela 95B Kim 95B Klima 95	jet	Klima 95B Lamoureux 95 Levy 95 Li 95 Lohr 95 Markosky 95 Melese 95 Park 95 Roser 95 Thompson 95 Wimpenny 95 Yu 95 Yu 95B Abachi 94 Abachi 94B Abachi 94D Abe 94B Abe 94E Abe 94G Abe 94K Abe 94T Abe 94V Abe 94Y Abe 94Z Abe 94ZB Abe 94ZD Abe 94ZE Abreu 94D Abreu 94K Abreu 94L Abreu 94P Abreu 94S Adams 94 Ahmed 94 Ahmed 94B Ahmed 94E Akers 94B Akers 94D Akers 94E Akers 94F Akers 94J Akers 94N Akers 94Q Akers 94R Antos 94 Barreiro 94 Bartalini 94 Benlloch 94 Bhatti 94 Bocquet 94 Brisson 94B Buckleygeer 94 Buer 94 Burow 94 Buskalic 94C Buskalic 94D Buskalic 94H Buskalic 94I Buskalic 94K Byrum 94 Cdfcollabora 94C Cdfcollabora 94D Chakraborty 94 Claes 94 Colombo 94 Dainton 94 Demin 94 Deroeck 94 Derrick 94C Derrick 94E Derrick 94F Derrick 94G Derwent 94 Errede 94B Fahley 94 Feltesse 94 Frisch 94 Fuess 94B Garbincius 94 Geer 94 Genser 94 Gerdes 94 Giannetti 94 Graf 94	jet	Grannis 94 Grassmann 94 Greenshaw 94 Haas 94 Hagopian 94 Harnew 94 Harris 94 Harris 94B Hauger 94B Hawk 94 Hedin 94 Huehn 94 Jakobs 94 Janot 94 Jensen 94 Kiesling 94 Konigsberg 94 Kovacs 94 Kovacs 94B Kramer 94 Kuhlen 94 Labarga 94 Leone 94 Lidemarceau 94 Martirena 94 Morgan 94 Nakano 94 Naples 94 Nodulman 94 Norman 94 Park 94B Plunkett 94 Raja 94 Shirai 94 Shochet 94 Strohmer 94 Tauchi 94 Watts 94 Weerts 94 White 94 Williams 94 Abachi 93 Abachi 93B Abe 93C Abe 93E Abe 93F Abe 93H Abe 93I Abe 93K Abe 93L Abe 93V Abe 93X Abe 93ZB Abe 93ZC Abe 93ZD Abe 93ZE Abe 93ZK Abramowicz 93 Abreu 93B Abreu 93C Abreu 93D Abreu 93E Abreu 93J Abreu 93L Abt 93C Abt 93D Acton 93 Acton 93H Adams 93C Adriani 93 Adriani 93B Adriani 93H Akers 93 Akers 93E Akers 93F Akers 93H Akers 93I Alitti 93 Alverson 93B Astur 93 Bazizi 93 Benlloch 93 Berger 93 Bhat 93
X -							
mult[e ⁻]	mult[e ⁺]	mult[γ]					
	Acton 91B						
mult[γ]		Pieri 91					
charged X		Pieri 91					
hadron (hadrons)		Richard 94					
vee (neutrals)		Abreu 90O					
mult[e ⁻]	mult[e ⁺]	mult[γ]					
	Acton 91B						
(jets) 2jet		Adeva 90V					
2hadron (hadrons)		Abreu 94P Borzumati 92 Settles 92 Abreu 91M Decamp 91I Decamp 91M					
jet		Pieri 91 Adeva 90V					
vee		Pieri 91 Abreu 90O					
$\ell^+ \ell^-$		Borzumati 92 Settles 92 Decamp 91M Pieri 91					
$e^- e^+$		Gross 92B Decamp 91I					
$\mu^- \mu^+$		Gross 92B Decamp 91I					
$\tau^- \tau^+$		Adeva 92B Gross 92 Gross 92B Abreu 91J Decamp 91I Decamp 91M Akrawy 90N					
2jet		Alexander 95I Kopp 95 Abreu 94P Janot 94 Adeva 92B Borzumati 92 Gross 92 Settles 92 Abreu 91J Decamp 91I Adeva 90V Akrawy 90N					
2 γ		Abachi 95T Alexander 95I					
$q \bar{q}$		Abreu 94P Lopezfernand 93 Gross 92B					
$\bar{b} b$		Decamp 91M					
charged⁺⁺		Ram 93					
jet		Abachi 96B Abe 96 Abe 96B					

jet

longlived⁻

jet	Biebel 93B Blazey 93 Borcherding 93 Buskalic 93J Buskalic 93K Buskalic 93M Cobal 93 Derrick 93 Derrick 93B Derrick 93C Diehl 93 Erdmann 93 Fatyga 93 Feld 93 Finch 93 Flaughner 93 Forty 93 Giacomelli 93 Glicenstein 93 Greenlee 93 Hu 93 Hu 93B Huston 93 Kephart 93 Kim 93 Kim 93B Kim 93C Klima 93 Kotcher 93 Krasny 93 Krasny 93B Kuster 93 Lauber 93 Li 93 Li 93B Liu 93 Maas 93 Mclean 93 Melanson 93 Merritt 93 Meschi 93 Narain 93 Pavel 93 Piekarz 93B Sakuda 93 Salgado 93 Salgado 93B Salgado 93C Shaw 93 Shirai 93 Streets 93 Suzuki 93C Takaki 93 Tauchi 93 Ting 93 Zanetti 93 Abe 92D Abe 92I Abe 92M Abreu 92F Acton 92K Acton 92P Acton 92Q Acton 92R Adams 92C Adeva 92B Adriani 92C Adriani 92E Adriani 92G Adriani 92L Ahmed 92E Alitti 92C Bambade 92 Barbarogalti 92 Behrends 92 Bethke 92 Bethke 92B Borzumati 92 Brandt 92B Burrows 92C Buskalic 92I Chliapnikov 92 Decamp 92B Decamp 92C	jet	Derrick 92B Dittmar 92 Eerola 92 Fan 92 Feindt 92B Fields 92 Flaughner 92B Gold 92 Grassmann 92 Gross 92 Harris 92 Heintz 92 Incagli 92 Keeble 92 Keeble 92B Leone 92 Lindgren 92 Madaras 92 Markeloff 92 Meschi 92 Morfin 92 Moulding 92 Rollnik 92 Salgado 92 Schreiber 92 Settles 92 Shevchenko 92 Sinervo 92 Tanaka 92 Wolf 92 Yeh 92 Abe 91F Abe 91G Abe 91K Abe 91O Abreu 91F Abreu 91J Abreu 91K Acton 91I Acton 91J Adeva 91B Adeva 91C Adeva 91F Adeva 91H Adeva 91J Alexander 91B Alexander 91C Alexander 91D Alexander 91F Alexander 91H Alitti 91B Alitti 91G Angelis 91 Avakyan 91D Barbarogalti 91 Behrend 91 Bethke 91 Bethke 91B Brandt 91 Breakstone 91 Buckleygeer 91 Campagnari 91 Contreras 91 Corcoran 91 Decamp 91D Decamp 91G Decamp 91I Decamp 91J Fabbri 91 Flaughner 91 Harris 91 Hebbeker 91 Keranen 91 Kreutzmann 91 Kuhlmann 91 Laasanen 91 Liss 91 Magnussen 91 Mattig 91 Nagai 91 Pieri 91 Plunkett 91 Podobrin 91 Salgado 91	jet	Shirai 91 Shirakata 91 Sliwa 91 Tanaka 91 Turner 91 Wachsmuth 91 Yepes 91 Yuzuki 91 Abe 90I Adeva 90V Akrawy 90N Akrawy 90V Alitti 90D Alitti 90E Decamp 90 Akers 94G mult[charged] (neutrals) Abreu 92C mult[hadron] X Gaidot 93 charged X Alexander 95D Buskalic 95Q Abe 94L charged (charged) Baird 95 Abe 94W hadron X Abachi 95ZI Derrick 95J Streets 95 Lee 93B hadron ⁺ X Boca 90 hadron ⁻ X Boca 90 hadron (hadrons) Abachi 95S Acton 93F Finch 93 Hayashii 93 Adeva 92D Akrawy 91B Bethke 91 charged-hadron X Abreu 96B Akers 95M Akers 95V Buskalic 95R bottom X Beretvas 95 Kopp 95 Strovink 95 Sphicas 94 Tollestrup 94 bottom X Beretvas 95 Kopp 95 Strovink 95 Sphicas 94 Tollestrup 94 B X Alexander 95I B X Alexander 95I μ^- hadron (hadrons) Denisov 93 Igarashi 93 Maciel 93 Zylberstejn 93 μ^+ hadron (hadrons) Denisov 93 Igarashi 93 Maciel 93 Zylberstejn 93 charged (charged) X Yu 94 hadron (hadrons) X Acciarri 95N 2hadron (hadrons) Hiroaki 93 Flaughner 92 Abe 91I	jet	Giannetti 91 Wainer 91 Wainer 91B 2charged-hadron X Abreu 96B 2charged-hadron (hadrons) Abe 95ZP $D^*(2010)^- \pi^+ X$ Akers 94H $D_s^- \pi^+ X$ Akers 94H 2charged (charged) X Abe 92H 3charged-hadron X Burrows 93 $K^+ 2\pi^- X$ Akers 94G $K^- 2\pi^+ X$ Akers 94G $\bar{D}^0 \pi^+ \pi^- X$ Akers 94H $K^+ K^- J/\psi(1S) X$ Akers 94H $K^+ K^- e^- e^+ X$ Akers 94H $K^+ \pi^+ 2\pi^- X$ Akers 94H mult[charged-hadron] Abreu 90S $K^*(892)^0 K^- \pi^+$ Akers 94H $K^+ K^- \mu^- \mu^+$ Akers 94H $K^+ K^- \pi^+ \pi^-$ Akers 94H jet ⁺ Abreu 94S Stuart 94 Adachi 91B Shirai 91 jet ⁻ Buskalic 95U Abreu 94S Stuart 94 Adachi 91B Shirai 91 heavy Akers 95H Elnadi 95E Acton 93G 2 γ Buskalic 93F longlived Akers 94M Amsler 94B Amsler 94G Balest 94B Atiya 92B Battiston 92 Buskalic 92M Gold 92 $e^- e^+$ Henderson 92 Wu 92 longlived ⁺ Abe 92J Adachi 91 Dydak 91 longlived ⁰ Akesson 90G longlived ⁻ Abe 92J Adachi 91 Dydak 91
-----	--	-----	---	-----	---	-----	--

Entries in order of particle name, then decay. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). See the legend on page 331.

γ^*	W^+	W^+	W^+	
Dominick 94 Cameron 93 Suzuki 93C Cameron 92	Benjmain 95 Beretvas 95 Beretvas 95B Beretvas 95C Blazey 95 Debarbaro 95 Diehl 95 Frisch 95 Fuess 95 Grassmann 95 Greenlee 95 Hoftun 95 Incandela 95 Incandela 95B Kim 95 Kim 95B Klima 95 Klima 95B Kopp 95 Lamoureux 95 Park 95 Roser 95 Strovink 95 Thompson 95 Wimpenny 95 Yu 95 Yu 95B Abachi 94B Abachi 94D Abe 94 Abe 94B Abe 94G Abe 94M Abe 94N Abe 94P Abe 94S Abe 94T Abe 94Z Abe 94ZD Abe 94ZE Abe 94ZG Antos 94 Badgett 94 Benlloch 94 Brisson 94B Budd 94 Chakraborty 94 Debarbaro 94 Derrick 94G Ducros 94 Ellison 94 Errede 94 Errede 94B Fahley 94 Frisch 94 Fuess 94B Garbincius 94 Geer 94 Genser 94 Graf 94 Grannis 94 Grassmann 94 Hara 94 Jakobs 94 Jensen 94 Jung 94 Keup 94 Kim 94 Leone 94 Lidemarteanu 94 Melese 94 Nodulman 94 Oshima 94 Plunkett 94 Quintas 94 Raja 94 Sakyumoto 94 Shochet 94 Spadafora 94 Sphicas 94 Taketani 94 Tollestrup 94 Watts 94 Williams 94	Abachi 93 Abe 93G Abe 93V Abe 93ZJ Benlloch 93 Berger 93 Bhat 93 Cdfcollabora 93F Demarteanu 93 Dickson 93 Diehl 93 Fatyga 93 Glicenstein 93 Graf 93 Greenlee 93 Narain 93 Saltzberg 93 Shaw 93 Zhu 93 Zylberstejn 93 Alitti 92 Bryman 92 Flaughner 92B Gobbi 92 Grassmann 92 Leone 92 Lindgren 92 Madaras 92 Rimondi 92B Rolandi 92 Sinervo 92 Abe 91 Abe 91L Abe 91M Alitti 91C Alitti 91E Alitti 91F Alitti 91J Leone 91 Plothowbesch 91 Unal 91 Winer 91B Winer 91C Abe 90J Abe 90L	Thompson 95 Wimpenny 95 Yu 95 Yu 95B Abachi 94B Abachi 94D Abe 94 Abe 94B Abe 94M Abe 94N Abe 94P Abe 94T Abe 94Z Abe 94ZD Abe 94ZE Antos 94 Badgett 94 Benlloch 94 Budd 94 Chakraborty 94 Debarbaro 94 Ducros 94 Ellison 94 Errede 94 Errede 94B Frisch 94 Fuess 94B Garbincius 94 Geer 94 Genser 94 Graf 94 Grannis 94 Grassmann 94 Hara 94 Jakobs 94 Jensen 94 Jung 94 Keup 94 Kim 94 Leone 94 Lidemarteanu 94 Melese 94 Nodulman 94 Oshima 94 Quintas 94 Sakyumoto 94 Shochet 94 Spadafora 94 Sphicas 94 Taketani 94 Tollestrup 94 Watts 94 Williams 94	Thompson 95 Wimpenny 95 Yu 95 Yu 95B Abachi 94B Abachi 94D Abe 94 Abe 94B Abe 94M Abe 94N Abe 94P Abe 94T Abe 94Z Abe 94ZD Abe 94ZE Antos 94 Badgett 94 Benlloch 94 Budd 94 Chakraborty 94 Debarbaro 94 Ducros 94 Ellison 94 Errede 94 Errede 94B Frisch 94 Fuess 94B Garbincius 94 Geer 94 Genser 94 Graf 94 Grannis 94 Grassmann 94 Hara 94 Jakobs 94 Jensen 94 Jung 94 Keup 94 Kim 94 Leone 94 Lidemarteanu 94 Melese 94 Nodulman 94 Oshima 94 Quintas 94 Sakyumoto 94 Shochet 94 Spadafora 94 Sphicas 94 Taketani 94 Tollestrup 94 Watts 94 Williams 94
W^\pm	Abe 95J Aihara 95 Abe 94G Abe 94ZD Harris 94 Spadafora 94 Abe 93V Abe 93ZE Benlloch 93 Cobal 93 Demarteanu 93 Diehl 93 Graf 93 Greenlee 93 Klima 93 Lidemarteanu 93 Saltzberg 93 Shaw 93 Yu 93 Abe 92C Abe 92F Bryman 92 Flaughner 92B Gobbi 92 Grassmann 92 Leone 92 Lindgren 92 Madaras 92 Rimondi 92B Rodrigo 92 Rolandi 92 Sinervo 92 Abe 91 Abe 91M Alitti 91B Alitti 91C Alitti 91E Alitti 91F Alitti 91I Alitti 91J Plothowbesch 91 Winer 91C Abe 90J Abe 90L	$\mu^+ \nu_\mu$		
W^+	Abe 95J Melese 95 Ahmed 94B Cdfcollabora 94C Derocck 94 Barbarogalti 92 Decamp 91M			
$\ell^+ \nu$	Konigsberg 94			
$e^+ \nu_e$	Abe 96 Abachi 95C Abachi 95E Abachi 95G Abachi 95I Abachi 95U Abachi 95V Abachi 95X Abachi 95Y Abachi 95ZD Abachi 95ZE Abachi 95ZF Abachi 95ZH Abachi 95ZM Abe 95C Abe 95G Abe 95H Abe 95I Abe 95K Abe 95L Abe 95ZE Aihara 95		$\tau^+ \nu_\tau$	

W^+ W^-

W^+	W^-	W^-	W^-			
$\nu_e e^{*+}$	Bryman 92 Grassmann 92 Abe 91M Alitti 91C	Abachi 95ZF Abachi 95ZH Abachi 95ZM Abe 95C Abe 95G Abe 95H Abe 95I Abe 95K Abe 95L Abe 95ZE Aihara 95 Benjmain 95 Beretvas 95 Beretvas 95B Beretvas 95C Blazey 95 Debarbaro 95 Diehl 95 Frisch 95 Fuess 95 Grassmann 95 Greenlee 95 Hoftun 95 Incandela 95 Greenlee 95 Hoftun 95 Incandela 95 Incandela 95B Kim 95 Klima 95 Klima 95B Kopp 95 Strovink 95 Thompson 95 Abachi 94B Abachi 94D Abe 94B Abe 94ZE Brisson 94B Chakraborty 94 Derrick 94G Errede 94B Grannis 94 Grassmann 94 Jakobs 94 Konigsberg 94 Leone 94 Lidemartean 94 Nodulman 94 Raja 94 Shochet 94 Sphicas 94 Tollestrup 94 Benlloch 93 Greenlee 93 Shaw 93 Madaras 92 Alitti 90D	Abachi 94 Abe 93G Abe 93V Abe 93ZJ Benlloch 93 Berger 93 Bhat 93 Cdfcollabora 93F Demartean 93 Derrick 93E Dickson 93 Diehl 93 Fatyga 93 Glicenstein 93 Graf 93 Greenlee 93 Mclean 93 Narain 93 Saltzberg 93 Shaw 93 Sirois 93 Zhu 93 Zylberstejn 93 Flaughner 92B Gobbi 92 Grassmann 92 Leone 92 Lindgren 92 Madaras 92 Rimondi 92B Rodrigo 92 Rolandi 92 Sinervo 92 Abe 91 Abe 91L Alitti 91C Alitti 91E Alitti 91F Alitti 91J Leone 91 Unal 91 Winer 91B Winer 91C Abe 90J Abe 90L	Hoftun 95 Incandela 95 Incandela 95B Kim 95 Kim 95B Klima 95 Klima 95B Kopp 95 Lamoureux 95 Roser 95 Strovink 95 Thompson 95 Wimpenny 95 Yu 95 Yu 95B Abachi 94B Abe 94B Abe 94M Abe 94N Abe 94P Abe 94T Abe 94Z Abe 94ZD Abe 94ZE Antos 94 Badgett 94 Benlloch 94 Budd 94 Chakraborty 94 Debarbaro 94 Ducros 94 Ellison 94 Errede 94 Errede 94B Frisch 94 Fuess 94B Garbincius 94 Geer 94 Genser 94 Graf 94 Grannis 94 Grassmann 94 Hara 94 Jakobs 94 Jensen 94 Jung 94 Keup 94 Kim 94 Leone 94 Lidemartean 94 Melese 94 Nodulman 94 Oshima 94 Quintas 94 Sakyumoto 94 Shochet 94 Spadafora 94 Sphicas 94 Taketani 94 Tollestrup 94 Watts 94 Williams 94 Abachi 93 Abe 93G Abe 93V Abe 93ZJ Benlloch 93 Berger 93 Bhat 93 Cdfcollabora 93F Demartean 93 Derrick 93E Dickson 93 Diehl 93 Fatyga 93 Glicenstein 93 Graf 93 Greenlee 93 Mclean 93 Narain 93 Saltzberg 93 Shaw 93 Sirois 93 Zhu 93 Zylberstejn 93 Flaughner 92B Gobbi 92 Grassmann 92 Leone 92 Lindgren 92 Madaras 92 Rimondi 92B Rodrigo 92 Rolandi 92 Sinervo 92 Abe 91 Abe 91L Alitti 91C Alitti 91E Alitti 91F Alitti 91J Leone 91 Unal 91 Winer 91B Winer 91C Abe 90J Abe 90L Abe 96 Abachi 95C Abachi 95E Abachi 95G Abachi 95I Abachi 95U Abachi 95V Abachi 95X Abachi 95ZE Abe 95C Abe 95H Abe 95I Abe 95K Abe 95L Aihara 95 Benjmain 95 Beretvas 95 Beretvas 95B Beretvas 95C Blazey 95 Debarbaro 95 Diehl 95 Frisch 95 Fuess 95 Grassmann 95 Greenlee 95 Hoftun 95 Incandela 95 Greenlee 95 Hoftun 95 Incandela 95 Incandela 95B Kim 95 Klima 95 Klima 95B Kopp 95 Lamoureux 95 Roser 95 Strovink 95 Thompson 95 Wimpenny 95 Yu 95 Yu 95B Abachi 94B Abe 94B Abe 94G Abe 94M Abe 94N Abe 94P Abe 94S Abe 94T Abe 94Z Abe 94ZD Abe 94ZE Abe 94ZG Antos 94 Badgett 94 Benlloch 94 Brisson 94B Budd 94 Chakraborty 94 Debarbaro 94 Derrick 94G Ducros 94 Ellison 94 Errede 94 Errede 94B Fahley 94 Frisch 94 Fuess 94B Garbincius 94 Geer 94 Genser 94 Graf 94 Grannis 94 Grassmann 94 Hara 94 Harnew 94 Jakobs 94 Jensen 94 Jung 94 Keup 94 Kim 94 Leone 94 Lidemartean 94 Melese 94 Nodulman 94	$\pi^+ \gamma$	$\mu^- \bar{\nu}_\mu$
W^-	Abe 95J Melese 95 Aglietta 94 Ahmed 94B Cdfcollabora 94C Deroeck 94 Abramowicz 93 Alexander 93B Kephart 93 Pavel 93 Decamp 91M					
$\ell^- \bar{\nu}$	Konigsberg 94					
$e^- \bar{\nu}_e$	Abe 96 Abachi 95C Abachi 95E Abachi 95G Abachi 95I Abachi 95U Abachi 95V Abachi 95X Abachi 95Y Abachi 95ZD Abachi 95ZE					

Entries in order of particle name, then decay. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). See the legend on page 331.

Z^0 Z^0

Z^0		Z^0		Z^0		Z^0	
$\bar{B}^0 X + \bar{B}_s X$	Forty 93	$2\ell^+ X$	Adeva 92	2hadron (hadrons)		$K_S \pi^+ X$	Lafferty 92
$B^- X$	Abreu 94J	$2e^\pm X$	Decamp 91D	Abreu 94E		$K_S \pi^- X$	Decamp 91J
	Dejongh 94	$2e^- X$	Adeva 91C	Abreu 94G			Lafferty 92
	Wormser 94		Acton 92B	Acciarri 94			Lafferty 92
	Cattaneo 93	$e^- e^+ X$	Adeva 92	Buskulic 94E			Lafferty 92
	Forty 93		Decamp 91D	Janot 94		$K^+ K^- X$	Akers 95G
	Seywerd 93	$e^- e^+ (\gamma's)$	Acton 92B	Abe 93Z			Acton 92C
$B^+ X$	Cattaneo 93	$\mu^\pm \text{ mult[charged]} X$	Adeva 92	Acton 93C			Lafferty 92
$B^{*+} X$	Cattaneo 93	$\mu^\pm e^\pm X$	Boucrot 92	Adriani 93B		$2K_S X$	Acton 92N
$B^{*0} X$	Cattaneo 93	$\mu^- e^- X$	Decamp 91D	Adriani 93E		$D^0 \pi^- X$	Boucrot 92
$\bar{B}^* X$	Cattaneo 93	$\mu^- e^+ X$	Acton 92B	Akers 93D		$\bar{D}^0 \pi^+ X$	Boucrot 92
$\bar{B}^{*0} X$	Cattaneo 93		Adeva 92	Akers 93F		$D^*(2010)^+ \pi^- X$	Boucrot 92
$B^{*-} X$	Cattaneo 93	$e^- e^+ (\gamma's)$	Decamp 91D	Blondel 93			Colas 94
$B_s X$	Cattaneo 93	$\mu^\pm \text{ mult[charged]} X$	Dittmar 92	Blondel 93B		$J/\psi(1S) \gamma X$	Adriani 93I
	Acciarri 95P	$\mu^\pm e^\pm X$	Dittmar 92	Ting 93			Cattaneo 93
	Abreu 94I	$\mu^- e^- X$	Adeva 91C	Bencheikh 92		$K^+ J/\psi(1S) X$	Boucrot 92
	Wormser 94	$\mu^- e^+ X$	Acton 92B	Chrin 92		bottom mult[jet] X	Biebels 93
	Cattaneo 93		Decamp 91D	Cosmo 92		bottom bottom X	Manly 94
	Pater 93	$\mu^+ e^- X$	Acton 92B	Schreiber 92			Feindt 92B
	Seywerd 93		Decamp 91D	Schumm 92		$2B^0 X$	Acton 92B
	Boucrot 92	$\mu^+ e^+ X$	Acton 92B	Su 92		$B \bar{B} X$	Adeva 92
	Buskulic 92		Adeva 92	Abreu 91B		$B^0 \bar{B}^0 X$	Abe 95ZG
$\bar{B}_s X$	Abreu 94I	$2\mu^\pm X$	Decamp 91D	Acton 91H			Carr 94
	Wormser 94	$2\mu^- X$	Acton 92B	Adeva 91D			Akers 94B
	Cattaneo 93		Adeva 92	Alexander 91C			Carr 94
$B_c^+ X$	Alexander 95E	$\mu^+ e^+ X$	Decamp 91D	Banerjee 91		$2\bar{B}^0 X$	Acton 92B
$B_c^- X$	Alexander 95E		Acton 92B	Bortolotto 91		$B^0 B_s X$	Acton 92B
$\Upsilon(\text{unspec}) X$	Abreu 95O	$2\mu^\pm X$	Adeva 92	Burkhardt 91		$\bar{B}^0 \bar{B}_s X$	Acton 92B
ΛX	Buskulic 96	$2\mu^- X$	Decamp 91D	Colas 91		$2B_s X$	Acton 92B
	Baird 94		Acton 92B	Crosland 91		$B_s \bar{B}_s X$	Acton 92B
	Acton 92D	$\mu^- \mu^+ X$	Adeva 92	Decamp 91N			Carr 94
	Abreu 91O		Decamp 91D	Decamp 91S		$2\bar{B}_s X$	Acton 92B
	Deangelis 91B	$\mu^- \mu^+ (\gamma's)$	Acton 92B	Dydak 91		$\Lambda K_S X$	Adeva 92
$\bar{\Lambda} X$	Buskulic 96	$\tau^- \tau^+ (\gamma's)$	Adeva 92	Giacomelli 91		$\Lambda J/\psi(1S) X$	Maur 94
	Baird 94		Decamp 91D	Jacobsen 91		$2\Lambda X$	Boucrot 92
	Abreu 91O	$\Lambda \ell^- X$	Acton 92B	Jacobsen 91B		$\Lambda \bar{\Lambda} X$	Maur 94
$\Sigma(1385 P_{13})^+ X$	Acton 92D		Decamp 91D	Koetke 91		$3\ell^\pm X$	Adeva 92
$\Sigma(1385 P_{13})^- X$	Acton 92D	$\Lambda \ell^+ X$	Acton 92B	Mattig 91		$2\mu^\pm \text{ mult[charged]} X$	Dittmar 92
$\Xi^- X$	Acton 92D		Adeva 92	Pietrzyk 91		$\mu^- \mu^+ \gamma X$	Adriani 93I
	Acton 92D	$\bar{\Lambda} \ell^- X$	Decamp 91D	Wachsmuth 91		$\phi(1020) \pi^- \ell^+ X$	Boucrot 92
	Abreu 91O	$\bar{\Lambda} \ell^+ X$	Acton 92B	Steinberger 90		(jets) 2jet X	Shevchenko 92
	Deangelis 91B		Adeva 92			neutral (neutrals) 2jet	Keranen 91
$\Xi^+ X$	Abreu 91O	$\bar{\Lambda} \ell^+ X$	Decamp 91D			3hadron (hadrons)	Akrawy 91B
$\Xi(1530 P_{13})^0 X$	Acton 92D	$2\text{jet} X$	Dittmar 92			charged-hadron 2jet X	Decamp 91J
$\Omega^- X$	Acton 92D		Eerola 92			γ 2jet X	Mattig 91
$\Lambda_b X$	Acton 92D	hadron (hadrons) neutral	Feindt 92B			γ 2hadron (hadrons)	Demin 94
	Wormser 94		Demin 94				Cosmo 92
	Cattaneo 93						
	Forty 93						
	Seywerd 93						
	Boucrot 92						
	Buskulic 92						
	Buskulic 92G						
	Settles 92						
	Decamp 91Q						
$\bar{\Lambda}_b X$	Jones 94B						
	Wormser 94						
	Cattaneo 93						
$2\ell^- X$	Adeva 92						
	Decamp 91D						
$\ell^+ \ell^- X$	Adeva 92						
	Decamp 91D						

Entries in order of particle name, then decay. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). See the legend on page 331.

Z^0 Z^0

Z^0	Bortolotto 91 Dydak 91 2 γ hadron (hadrons) Demin 94 3 γ (neutrals) Dittmar 92 $K^+ \pi^+ \pi^- X$ Boucrot 92 $K^+ 2\pi^- X$ Decamp 91J $K^- 2\pi^+ X$ Boucrot 92 Feindt 92B Decamp 91J $K^- \pi^+ \pi^0 X$ Boucrot 92 $K^- \pi^+ \pi^- X$ Boucrot 92 Feindt 92B $K_S \pi^+ \pi^- X$ Boucrot 92 $p K^- \pi^+ X$ Boucrot 92 ℓ^\pm (jets) 3jet Adriani 92L $\nu \bar{\nu}$ 2hadron (hadrons) Abreu 94P e^\pm (jets) 2jet X Shevchenko 92 $e^- e^+$ 2hadron (hadrons) Abreu 94P μ^\pm (jets) 2jet X Shevchenko 92 $\mu^- \mu^+$ 2hadron (hadrons) Abreu 94P τ^\pm (jets) 2jet X Shevchenko 92 $\nu_\tau \bar{\nu}_\tau$ charged ⁺ charged ⁻ (neutrals) Acton 92 $\tau^- \tau^+$ 2hadron (hadrons) Abreu 94P $K^+ K^- \pi^- \ell X$ Boucrot 92 charged ⁺ charged ⁻ 2neutral (neutrals) Buskulic 94J Buskulic 92J (hadrons) 4charged Abreu 91L 4jet X Decamp 92C γ 3jet X Demin 94 5hadron (hadrons) Turner 91 heavy-lepton Shevchenko 92 $\bar{\nu}$ jet Adriani 92L $\ell^+ \ell^-$ Abreu 94G Acciarri 94 Buskulic 94E Blondel 93B Buskulic 93 Cao 93 Chrin 92 Settles 92 Abreu 91B Banerjee 91 Bhattacharyy 91 Burkhardt 91 Decamp 91N Decamp 91S Pietrzyk 91 Wachsmuth 91 Steinberger 90 $\nu \bar{\nu}$ Abreu 94E Abreu 94G Brisson 94B Buskulic 94E	Z^0	Derrick 94G Acton 93C Adriani 93B Berger 93 Buskulic 93 Buskulic 93O Adriani 92F Markeloff 92 Abreu 91B Adeva 91D Burkhardt 91 Decamp 91N Decamp 91S Decamp 91S Pietrzyk 91 Wachsmuth 91 Akrawy 90U Steinberger 90 $e^- e^+$ Abe 96F Abachi 95B Abachi 95I Abachi 95O Abachi 95ZE Abachi 95ZH Abachi 95ZJ Abe 95G Abe 95L Abe 95ZE Aihara 95 Benjmain 95 Diehl 95 Fuess 95 Kopp 95 Landsberg 95 Wagner 95 Yu 95 Yu 95B Abe 94O Abe 94P Abe 94ZG Abreu 94E Abreu 94G Badgett 94 Brisson 94B Buskulic 94E Cdfcollabora 94D Derrick 94G Ducros 94 Ellison 94 Errede 94 Errede 94B Fahley 94 Frisch 94 Fuess 94B Geer 94 Graf 94 Hara 94 Harnew 94 Hauger 94B Jakobs 94 Quintas 94 Taketani 94 Yamartino 94 Acton 93C Adriani 93B Akers 93D Berger 93 Blondel 93 Buskulic 93 Cdfcollabora 93F Demarteau 93 Derrick 93E Diehl 93 Graf 93 McLean 93 Sirois 93 Ting 93 Vilain 93B Zhu 93 Madaras 92 Rimondi 92B Rolandi 92 Wenninger 92 Abe 91C	Z^0	Abe 91I Abe 91J Abreu 91B Adeva 91D Alexander 91C Alitti 91E Alitti 91F Banerjee 91 Bhattacharyy 91 Decamp 91N Decamp 91S Dydak 91 Meinhard 91 Pietrzyk 91 Plothowbesch 91 Unal 91 Abe 90L $\mu^- e^+ + \mu^+ e^-$ Abreu 92K $\mu^- e^+$ Akers 95T Tesch 95 Adriani 93B Adriani 93L Adeva 91G Decamp 91M $\mu^+ e^-$ Adriani 93B Adriani 93L Drell 92B Adeva 91G Decamp 91M $\mu^- \mu^+$ Abachi 95B Abachi 95I Abachi 95O Abachi 95ZE Abachi 95ZJ Abe 95L Aihara 95 Benjmain 95 Diehl 95 Fuess 95 Kopp 95 Landsberg 95 Wagner 95 Yu 95 Yu 95B Abe 94O Abe 94P Abe 94ZG Abreu 94E Abreu 94G Badgett 94 Brisson 94B Buskulic 94E Cdfcollabora 94D Ducros 94 Ellison 94 Errede 94 Errede 94B Fuess 94B Geer 94 Graf 94 Hara 94 Hauger 94B Jakobs 94 Kim 94 Quintas 94 Acton 93C Adriani 93B Akers 93D Berger 93 Blondel 93 Buskulic 93 Demarteau 93 Diehl 93 Ting 93 Ting 93 Abe 92C Dittmar 92 Rimondi 92B Abe 91J Abreu 91 Abreu 91B Adeva 91D Alexander 91C	Z^0	Banerjee 91 Bhattacharyy 91 Burkhardt 91 Crosland 91 Decamp 91N Decamp 91S Dydak 91 Pietrzyk 91 Plothowbesch 91 Steinberger 90 $\tau^- e^+ + \tau^+ e^-$ Abreu 92K Dittmar 92 $\tau^- e^+$ Akers 95T Tesch 95 Golutvin 94 Shevchenko 94 Adriani 93B Adriani 93L Adeva 91G Decamp 91M $\tau^+ e^-$ Akers 95T Tesch 95 Golutvin 94 Shevchenko 94 Adriani 93B Adriani 93L Drell 92B Adeva 91G Decamp 91M $\tau^- \mu^+ + \tau^+ \mu^-$ Abreu 92K Dittmar 92 $\tau^- \mu^+$ Akers 95T Tesch 95 Golutvin 94 Shevchenko 94 Adriani 93B Adriani 93L Adeva 91G Decamp 91M Stahl 91 $\tau^+ \mu^-$ Akers 95T Tesch 95 Golutvin 94 Shevchenko 94 Adriani 93B Adriani 93L Adeva 91G Decamp 91M Stahl 91 $\tau^- \tau^+$ Akers 95O Abreu 94E Abreu 94G Abreu 94O Akers 94 Alemany 94 Bonivento 94 Brient 94 Buskulic 94E Buskulic 94J Golutvin 94 Gomezycadena 94 Jakobs 94 Posthaus 94 Wermes 94 Acton 93C Adriani 93B Akers 93D Blondel 93 Buskulic 93 Fernandez 93 Grunewald 93 Kirsch 93 Schwarz 93 Ting 93 Acton 92 Bryman 92
-------	---	-------	--	-------	--	-------	--

Z^0

Z^0

Z^0	Z^0	Z^0	Z^0	
Decamp 92 Dittmar 92 Drell 92B Riles 92 Rowson 92 Settles 92 Seywerd 92 Trischuk 92 Abreu 91B Abreu 91I Acton 91D Adeva 91D Adeva 91I Alexander 91C Alitti 91C Banerjee 91 Bhattacharyy 91 Burkhardt 91 Campion 91 Decamp 91N Decamp 91R Decamp 91S Dydak 91 Pietrzyk 91 Privitera 91 Roehn 91 Zomer 91 Zomer 91B Steinberger 90	2 γ lepto-quark lepto-quark γS^0 heavy-lepton ⁰ heavy-lepton ⁰ heavy-lepton ⁻ heavy-lepton ⁺ heavy- ν heavy- $\bar{\nu}$ heavy- ν_e heavy- $\bar{\nu}_e$ heavy- ν_μ heavy- $\bar{\nu}_\mu$ heavy- ν_τ heavy- $\bar{\nu}_\tau$ $q \bar{q}$ $\bar{u} u$ $\bar{d} d$ $\bar{d} d + \bar{u} u$ $\bar{s} s$ $\bar{s} s + \bar{d} d + \bar{u} u$ $\bar{c} c$ $\bar{b} b$	Abreu 94H Shevchenko 94 Adriani 93B Adriani 92B Akrawy 91D Simon 91 Acciarri 95B Abreu 91N Dydak 91 Dydak 91 Abreu 91N Abreu 91N Abreu 91N Abreu 91N Dydak 91 Sawyer 91 Strohmer 94 Biebel 93B Acton 92Q Cosmo 92 Alexander 91D Bortolotto 91 Dydak 91 Strohmer 94 Biebel 93B Acton 92Q Cosmo 92 Alexander 91D Bortolotto 91 Dydak 91 Deangelis 91B Strohmer 94 Biebel 93B Acton 92Q Cosmo 92 Alexander 91D Bortolotto 91 Deangelis 91B Abreu 92H Eerola 92 Akers 94S Buskulic 94D Strohmer 94 Abreu 93G Biebel 93B Blondel 93 Abreu 92H Acton 92Q Bencheikh 92 Benedic 92 Cosmo 92 Eerola 92 Settles 92 Akrawy 91C Alexander 91D Bortolotto 91 Capon 91 Deangelis 91B Dydak 91 Geerts 91 Mattig 91 Abreu 95B Akers 95F	Abreu 94 Abreu 94R Akers 94H Akers 94N Akers 94S Buskulic 94D Carr 94 Jones 94B Manly 94 Strohmer 94 Abe 93Z Abreu 93G Acton 93F Acton 93I Adriani 93E Adriani 93H Akers 93 Akers 93F Biebel 93B Blondel 93 Buskulic 93J Buskulic 93M Forty 93 Pater 93 Pierre 93 Tenchini 93 Ting 93 Abreu 92 Abreu 92D Abreu 92H Abreu 92L Acton 92B Acton 92I Acton 92J Acton 92M Acton 92Q Adeva 92 Adriani 92D Bencheikh 92 Brandl 92 Buskulic 92E Buskulic 92G Campana 92 Cosmo 92 Eerola 92 Rollnik 92 Schumm 92 Settles 92 Su 92 Adeva 91C Adeva 91J Akrawy 91C Alexander 91D Alexander 91I Bortolotto 91 Capon 91 Deangelis 91B Decamp 91D Decamp 91Q Dydak 91 Jacobsen 91 Jacobsen 91B Koetke 91 Mattig 91 Patton 91 Dydak 91 Simon 91 Adriani 93B Dydak 91 Borzumati 92 Decamp 91M Bertin 91 Decamp 91M Decamp 91M Jakobs 94 Borzumati 92	A^0 higgs $H_1^0 A^0$ $H_2^0 A^0$ $2H_2^0$ $H^+ H^-$ $2\tilde{\ell}$ $\tilde{\ell} + \tilde{\ell}^-$ $\tilde{e}^- \tilde{e}^+$ $\tilde{\mu}^- \tilde{\mu}^+$ $\tilde{\tau}^- \tilde{\tau}^+$ $\tilde{q} \tilde{q}$ $\nu^* \bar{\nu}^*$ $e^{*-} e^{*+}$ $\mu^{*+} \mu^{*-}$ $\tau^{*+} \tau^{*-}$ $q^* \bar{q}$ $\bar{q}^* q$ $\bar{q}^* q^*$ meson ⁰ γ $\pi^0 \gamma$ $\pi^+ W^-$ $\pi^- W^+$ $\eta \gamma$ Decamp 91M Adriani 92I Adriani 92J Sopczak 92B Sopczak 92C Decamp 91M Adriani 92I Adriani 92J Borzumati 92 Felcini 92 Sopczak 92 Sopczak 92B Sopczak 92C Abreu 91J Decamp 91I Decamp 91M Akrawy 90N Janot 94 Adriani 92I Adriani 92J Borzumati 92 Felcini 92 Sopczak 92 Sopczak 92B Sopczak 92C Decamp 91M Dydak 91 Decamp 91M Borzumati 92 Jakobs 94 Borzumati 92 Borzumati 92 Borzumati 92 Keranen 91 Dydak 91 Dydak 91 Dydak 91 Dydak 91 Demin 94 Adriani 92G Demin 94 Adriani 92G Adriani 92G Acton 91C Adeva 91E Abreu 94H Shevchenko 94 Adriani 93B Adriani 92B Bardadinotwi 92 Dittmar 92 Abreu 91H Akrawy 91D Decamp 91M Dydak 91 Decamp 91M Decamp 91M Abreu 94H Shevchenko 94
$\bar{\nu}$ heavy-lepton ⁰ $\ell \ell^*$ $\bar{\nu} \nu^*$ $\nu \bar{\nu}^*$ $e^\pm e^{*\pm}$ $e^- e^{*+}$ $e^+ e^{*-}$ $\mu^- \mu^{*+}$ $\mu^+ \mu^{*-}$ $\tau^- \tau^{*+}$ $\tau^+ \tau^{*-}$ higgs ⁺⁺ higgs ⁻⁻ invisible jet 2jet longlived ⁺ longlived ⁻ γ neutral γ invisible γ higgs γ jet γ longlived γ narrow	Adriani 92L Demin 94 Dydak 91 Dydak 91 Jakobs 94 Dydak 91 Dydak 91 Dydak 91 Dydak 91 Dydak 91 Dydak 91 Dydak 91 Acton 92L Janot 94 Abachi 95ZF Fuess 95 Kopp 95 Park 95 Akers 94H Brisson 94B Derrick 94G Jakobs 94 Decamp 91D Alitti 90D Dydak 91 Alexander 95I Akers 94M Alexander 95I Demin 94 Richard 94 Abreu 91M Kramer 94 Akers 94M Adriani 92G			

Entries in order of particle name, then decay. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). See the legend on page 331.

Z^0	Adriani 93B Adriani 92B Bardadinotwi 92 Abreu 91H Akrawy 91D Decamp 91M Dydak 91	Z^0	Steinberger 90	Z^0	$\nu \bar{\nu} H^0$	Adriani 92I Adriani 92J Sopczak 92B Sopczak 92C Dydak 91	Z^0	H^0 2jet Giacomelli 93 Adeva 92B
$\rho^+ W^-$	Decamp 91M	$\nu \bar{\nu} H^0$	Abreu 94P Giacomelli 93 Adeva 92B Decamp 91 Dydak 91 Steinberger 90	$e^- e^+ H^0_1$	Adriani 92I Adriani 92J Sopczak 92B Sopczak 92C Dydak 91	$q \bar{q}$ higgs Gross 92B Decamp 91M Goobar 91	$\gamma q \bar{q}$	Demin 94 Decamp 91M
$\rho^- W^+$	Decamp 91M	$e^- e^+ \text{neutral}$	Demin 94 Decamp 91C	$\mu^- \mu^+ H^0_1$	Adriani 92I Adriani 92J Sopczak 92B Sopczak 92C Dydak 91	$q \bar{q}$ gluon Adriani 92D Acton 91J Mattig 91	$q \bar{q} S^0$	Adriani 92G
$\omega \gamma$	Abreu 94H Shevchenko 94	$e^- e^+ \text{invisible}$	Janot 94	$\ell^+ \ell^- H^0_2$	Borzumati 92 Sopczak 92 Decamp 91I	$\bar{c} c$ gluon Akrawy 91B Mattig 91	$\bar{b} b$ gluon Akrawy 91B Mattig 91	$\bar{b} < \text{jet} > b < \text{jet} >$ gluon < jet > Wachsmuth 91
$\eta' \gamma$	Shevchenko 94 Decamp 91M Dydak 91	$e^- e^+ \text{higgs}$	Abreu 94P Janot 94 Richard 94 Adeva 92B Felcini 92 Gross 92 Gross 92B Abreu 91J Acton 91B Decamp 91I Dydak 91 Goobar 91 Adeva 90V Akrawy 90N	$\nu \bar{\nu} H^0_2$	Adriani 92I Adriani 92J Sopczak 92B Sopczak 92C Dydak 91	γ 2neutralino Bertin 91	$\gamma \bar{q} A^0$	Sopczak 92
$J/\psi(1S) \gamma$	Shevchenko 94	$e^- e^+ \text{vee}$	Decamp 91F	$e^- e^+ H^0_2$	Adriani 92I Adriani 92J Felcini 92 Sopczak 92B Sopczak 92C Decamp 91I	$3A^0$	Borzumati 92 Felcini 92 Decamp 91I Decamp 91M	
2bottom	Decamp 91D	$e^- e^+ \gamma$	Acton 91C Decamp 91M	$\mu^- \mu^+ H^0_2$	Adriani 92I Adriani 92J Felcini 92 Sopczak 92B Sopczak 92C Decamp 91I	$q \bar{q} H^0_2$	Sopczak 92	
bottom bottom	Acton 93K Buskalic 93M Acton 92B Rollnik 92 Abreu 91D Acton 91F Adeva 91J Alexander 91I Dydak 91 Jacobsen 91 Jacobsen 91B	$e^- e^+ H^0$	Abreu 94P Giacomelli 93 Adeva 92B Decamp 91 Dydak 91	$\mu^- \mu^+ \text{neutral}$	Demin 94 Decamp 91C	$\nu \bar{\nu}$ 2jet Abreu 94P Janot 94	$e^- e^+ 2\text{jet}$	Abreu 94P Janot 94
2bottom	Decamp 91D	$\mu^- \mu^+ \text{higgs}$	Abreu 94P Janot 94 Richard 94 Adeva 92B Felcini 92 Gross 92 Gross 92B Abreu 91J Acton 91B Decamp 91I Dydak 91 Goobar 91 Adeva 90V Akrawy 90N	$\mu^- \mu^+ \text{vee}$	Decamp 91F	$e^- e^+ 2\gamma$	Demin 94 Decamp 91M	
$B \bar{B}$	Bambade 92 Fujino 92	$\mu^- \mu^+ \gamma$	Acton 91C Decamp 91M	$\mu^- \mu^+ H^0$	Abreu 94P Giacomelli 93 Adeva 92B Decamp 91 Dydak 91	$2e^- 2e^+$	Barklow 92	
$B^0 \bar{B}^0$	Akers 94K Abreu 92L Colas 91 Dydak 91	$\mu^- \mu^+ \text{higgs}$	Abreu 94P Janot 94 Richard 94 Adeva 92B Felcini 92 Gross 92 Gross 92B Abreu 91J Acton 91B Decamp 91I Dydak 91 Goobar 91 Adeva 90V Akrawy 90N	$\mu^- \mu^+ \gamma$	Acton 91C Decamp 91M	$2\mu^- 2\mu^+$	Abreu 94P Janot 94	
$B^+ B^-$	Colas 91	$\tau^- \tau^+ \text{higgs}$	Adeva 92B Gross 92B Abreu 91J Decamp 91I Goobar 91	$\mu^- \mu^+ \text{vee}$	Decamp 91F	$\mu^- \mu^+ 2\gamma$	Demin 94 Decamp 91M	
$B_s \bar{B}_s$	Akers 94K	$\tau^- \tau^+ \gamma$	Acton 91C Decamp 91M	$\mu^- \mu^+ \text{higgs}$	Adeva 92B Gross 92B Abreu 91J Decamp 91I Goobar 91	$2\mu^- 2\mu^+$	Barklow 92	
$\bar{\nu}$ 2jet	Adriani 92L	$\tau^- \tau^+ \text{vee}$	Decamp 91F	$\tau^- \tau^+ \text{higgs}$	Adeva 92B Gross 92B Abreu 91J Decamp 91I Goobar 91	$\tau^- \tau^+ 2\text{jet}$	Abreu 94P Janot 94	
$\ell^+ \ell^- \text{neutral}$	Dittmar 92 Decamp 91C	$\tau^- \tau^+ \gamma$	Acton 91C Decamp 91M	$\tau^- \tau^+ \gamma$	Acton 91C Decamp 91M	$\tau^- \tau^+ 2\gamma$	Decamp 91M	
$\ell^+ \ell^- \text{higgs}$	Lopezfernand 93 Borzumati 92 Settles 92 Decamp 91I Decamp 91M Pieri 91 Steinberger 90	$\tau^- \tau^+ H^0$	Abreu 94P Giacomelli 93 Adeva 92B Decamp 91 Dydak 91	$3\text{jet} < \text{hadron} (\text{hadrons}) >$	Turner 91	$\tau^- \tau^+ e^- e^+$	Barklow 92	
$\nu \bar{\nu} \text{higgs}$	Abreu 94P Janot 94 Richard 94 Lopezfernand 93 Adeva 92B Borzumati 92 Felcini 92 Gross 92 Gross 92B Settles 92 Abreu 91J Decamp 91I Decamp 91M Dydak 91 Goobar 91 Pieri 91 Adeva 90V Akrawy 90N Steinberger 90	$\tau^- \tau^+ \text{higgs}$	Adeva 92B Gross 92B Abreu 91J Decamp 91I Goobar 91	3jet	Schreiber 92 Acton 91J Akrawy 91B Mattig 91	$\tau^- \tau^+ \mu^- \mu^+$	Barklow 92	
$\ell^+ \ell^- H^0$	Decamp 91	$\tau^- \tau^+ \text{vee}$	Decamp 91F	3γ	Acciarri 95B Abreu 94H Shevchenko 94 Adriani 92B Bardadinotwi 92B Abreu 91H Akrawy 91D Decamp 91M Dydak 91	$\pi^+ \pi^- e^- e^+$	Barklow 92	
		$\tau^- \tau^+ \gamma$	Acton 91C Decamp 91M	γ 2jet	Alexander 95I Kramer 94 Schreiber 92 Acton 91I	$\pi^+ \pi^- \mu^- \mu^+$	Barklow 92	
		$\tau^- \tau^+ H^0$	Adeva 92B Decamp 91	γ 2gluon	Bardadinotwi 92B	$\pi^+ \pi^- \tau^- \tau^+$	Barklow 92	
						4jet	Abreu 91J Mattig 91 Abreu 90S Akrawy 90V	
						γ 3jet	Kramer 94 Acton 91I	

Z^0

lepto-quark

Z^0	H^0	W^{++}	W'^{-}
2γ 2jet Alexander 95I $q\bar{q}$ 2gluon Decamp 92C $2q$ 2 \bar{q} Decamp 92C 2γ 2neutralino Bertin 91 gluon Abe 95V Acciarri 95E Akers 95 Akers 95C Harris 95B Hoftun 95 Ahmed 94 Akers 94S Albrecht 94U Brisson 94B Derrick 94G Greenshaw 94 Harnew 94 Kiesling 94 Abreu 93E Abt 93C Sirois 93 Bardadinotwi 92B Bethke 92 Fan 92 Acton 91J Adeva 91F Adeva 91H Wachsmuth 91 mult[charged] X Alam 92 mult[charged] (neutrals) Abreu 92C Acton 92P Chliapnikov 92 mult[charged-hadron] (neutrals) Acton 93 Alexander 91H Mattig 91 charged X Buskalic 95Q jet X Decamp 92C charged-hadron X Akers 95L η X Adriani 92C $J/\psi(1S)$ X Adriani 92D jet Abreu 96B Akers 95M Alexander 95D Buskalic 95R Abe 94L Abe 94ZB Acton 93 Burrows 93 Ting 93 Akrawy 91B Alexander 91H Mattig 91 jet < hadron (hadrons) > Akers 94D jet < charged X > Takaki 93 Hebbeker 91 Yepes 91 jet < mult[hadron] > Bethke 92B $\bar{c}c$ Akers 95K	Steinberger 90 2hadron (hadrons) Abreu 94P Decamp 91 e^-e^+ Barabash 92 Anikeyev 91 Blumlein 90 $\tau^-\tau^+$ Adriani 93 Giacomelli 93 Adeva 92B Decamp 91 2jet Abreu 94P Adriani 93 Giacomelli 93 Adeva 92B 2γ Barabash 92 Anikeyev 91 Blumlein 90 $q\bar{q}$ Abreu 94P $\pi^+\pi^-$ Giacomelli 93 K^+K^- Giacomelli 93 axion Albrecht 95B Cameron 93 Minowa 93 Cameron 92 Imazato 92B Ruoso 92 Ruoso 92B Blumlein 91 e^-e^+ Altmann 95 Pokotilovsky 93 Barabash 92 Anikeyev 91 Blumlein 90 Bross 89 2γ Akopyan 92 Barabash 92 Cameron 92 Anikeyev 91 Bershadly 90 Blumlein 90 W_R e^\pm heavy- ν Abachi 95ZN W_R^+ e^+ heavy- ν Abachi 95ZN W_R^- e^- heavy- $\bar{\nu}$ Abachi 95ZN W'^{\pm} Harris 95B Kopp 94 Gold 92 Sinervo 92 Yeh 92 Abe 91E Fuess 91 Kuhlmann 91 $e^\pm\nu$ Maeshima 92 $\mu^\pm\nu$ Maeshima 92 W'^+ Nodulman 94 Shochet 94 $\ell^+\nu$ Kuhlmann 91	$e^+\nu_e$ Abachi 95K Abachi 95ZD Abachi 95ZN Eno 95 Kopp 95 Abe 94R Eppley 94 Hara 94 Jakobs 94 Kopp 94 Maeshima 94 Taketani 94 Gold 92 Sinervo 92 Yeh 92 Abe 91E Fuess 91 $\mu^+\nu_\mu$ Kopp 95 Hara 94 Gold 92 Sinervo 92 Yeh 92 Abe 91E Fuess 91 e^+ heavy- ν Abachi 95K Eno 95 2jet Harris 95 Abe 94Y Harris 94B Jakobs 94 Alitti 93 Alitti 90D W^+ higgs Kopp 95 $Z^0 W^+$ Kopp 95 Park 95 W'^{-} Nodulman 94 Shochet 94 $\ell^-\bar{\nu}$ Kuhlmann 91 $e^-\bar{\nu}_e$ Abachi 95K Abachi 95ZD Abachi 95ZN Eno 95 Kopp 95 Abe 94R Eppley 94 Hara 94 Jakobs 94 Kopp 94 Maeshima 94 Taketani 94 Gold 92 Sinervo 92 Yeh 92 Abe 91E Fuess 91 $\mu^-\bar{\nu}_\mu$ Kopp 95 Hara 94 Gold 92 Sinervo 92 Yeh 92 Abe 91E Fuess 91 e^- heavy- $\bar{\nu}$ Abachi 95K Eno 95 2jet Harris 95 Abe 94Y Harris 94B Jakobs 94 Alitti 93 Alitti 90D	W^- higgs Kopp 95 $Z^0 W^-$ Kopp 95 Park 95 Z' e^-e^+ Harris 95B Nodulman 94 Shochet 94 Adriani 93D Abachi 95K Eno 95 Harris 95 Park 95 Abe 94J Eppley 94 Hara 94 Jakobs 94 Maeshima 94 Taketani 94 Cdftcollabora 93G Gold 92 Maeshima 92 Sinervo 92 Yeh 92 Abe 91D Fuess 91 Kuhlmann 91 $\mu^-\mu^+$ Hara 94 Gold 92 Maeshima 92 Sinervo 92 Yeh 92 Abe 91H Fuess 91 2jet Harris 95 Abe 94Y Harris 94B Jakobs 94 Alitti 93 Alitti 90D γS^0 Acciarri 95B $\bar{t}t$ Beretvas 95B 3γ Acciarri 95B lepto-gluon Abramowicz 93 lepto-quark Shochet 94 ν jet Abachi 95ZG Bhat 93 ν_e jet Derrick 93 Mclean 93 e^- jet Bhat 93 Derrick 93 Mclean 93 μ^\pm jet Park 95 μ^- jet Abachi 95ZG ℓq Abreu 91K Alexander 91B $\ell^- q$ Abreu 93J Alexander 91B Simon 91 $\ell^+ q$ Alexander 91B Simon 91 νq Abachi 95Z Aid 95J

Entries in order of particle name, then decay. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). See the legend on page 331.

lepto-quark

lepto-quark	lepto-quark	ℓ	ν_μ
Ahmed 94 Barreiro 94 Greenshaw 94 Kiesling 94 White 94 Abachi 93B Abramowicz 93 Abt 93C Krasny 93 Krasny 93B Shaw 93 Alexander 91B Simon 91	$\tau^+ b$ Adeva 91B	Abreu 95B Akers 95K Demin 94 Adriani 93B Akers 93 Akers 93E Akers 93F Buskalic 93M Kroha 93 Abreu 92 Battiston 92 Bean 92B Boucrot 92 Leone 92 Abreu 91K Adeva 91C Akrawy 91B Alexander 91B Berger 91 Mattig 91	ν_e Vignaud 95 Baldoceolin 94B Fukuda 94 Pantaleone 94 Vilain 94B Allison 93B Barloutaud 93 Deglino 93 Raffelt 93 Suzuki 93 Winter 93 Ammosov 92B Beier 92 Borodovsky 92 Goodman 92 Kajita 92 Aglietta 91 Gates 91 Hirata 91C Perdereau 91
$\bar{\nu} q$	Alexander 91B Simon 91		$\bar{\nu}_e$
$\nu_e q$	Hagopian 94 Harnew 94 Jakobs 94 Sirois 93 Sinervo 92 Alitti 91D	ν ν_e Kuzminov 92 Ohshima 92 Shirai 92	ν_τ Mcfarland 95 Pantaleone 94 Gruwe 93 Raffelt 93 Suzuki 93 Winter 93 Beckerszendy 92 Beier 92 Enqvist 92 Totsuka 92B Perdereau 91
$e^\pm q$	Norman 94	$\nu \gamma$ Babu 94	
$e^- q$	Aid 95J Ahmed 94 Barreiro 94 Brisson 94B Greenshaw 94 Hagopian 94 Harnew 94 Jakobs 94 Kiesling 94 White 94 Abachi 93B Abe 93R Abramowicz 93 Abt 93C Cobal 93 Krasny 93 Krasny 93B Merritt 93 Pavel 93 Shaw 93 Sirois 93 Madaras 92 Sinervo 92 Alitti 91D	$\bar{\nu}$ $\bar{\nu}_e$ Vidyakin 94	
	ν jet	ν_e	$\bar{\nu}_\mu$
	μ^\pm jet	ν γ X Burman 91	γ X Krakauer 91C
	μ^+ jet	ν Bowles 93 Ohshima 93 Cline 92 Kawakami 92	$\bar{\nu}_e$ Athanasopou 95 Hill 95 Vilain 94B Freedman 93 Beier 92 Borodovsky 92 Perdereau 91
	$\ell^+ \bar{q}$	$\bar{\nu}_e$ Freedman 93	$\bar{\nu}_\tau$ Mcfarland 95 Gruwe 93 Beier 92 Perdereau 91
	$\bar{\nu} \bar{q}$	ν_μ Bahcall 95 Vignaud 95 Baldoceolin 94B Berezin 94 Fukuda 94 Pantaleone 94 Allison 93B Barloutaud 93 Deglino 93 Raffelt 93 Suzuki 93 Winter 93 Ammosov 92B Beier 92 Goodman 92 Kajita 92 Aglietta 91 Gates 91 Hirata 91C Perdereau 91 Suzuki 91C	ν_τ γ X Abreu 96
	$\bar{\nu}_e \bar{q}$	ν_τ Bahcall 95 Berezin 94 Raffelt 93	ν_e Raffelt 93
	$e^+ \bar{q}$	unspec Deglino 93	ν_μ Pantaleone 94 Raffelt 93 Winter 93 Beier 92 Totsuka 92B Perdereau 91
	$\bar{\nu}_\mu \bar{q}$	$\bar{\nu}_e$ Achkar 95 Vyrodov 95 Declais 94 Vidyakin 94	$\nu \gamma$ Babu 94
	$\mu^+ \bar{q}$	ν_μ Beier 92 Ketov 92 Perdereau 91	$e^- e^+ \nu_e$ Babu 94
	goldstone		$\bar{\nu}_\tau$
	majoron		γ X Abreu 96
$e^+ q$	Aid 95J		$\bar{\nu}_\mu$ Beier 92 Perdereau 91
$\nu_\mu q$	Hagopian 94		ℓ^\pm
$\mu^\pm q$	Barreiro 94 Norman 94		Akers 94G Acton 93 Akers 93I Ting 93 Acton 92P Adeva 92
$\mu^- q$	Abachi 95Z Abe 95B Aid 95J Harris 95 Hoftun 95 Hagopian 94 Park 94B		
$\mu^+ q$	Aid 95J		
$\tau^- q$	Aid 95J		
$\tau^+ q$	Aid 95J		
$e^- u$	Moulding 92 Adeva 91B		
$\nu_e d$	Moulding 92 Adeva 91B		
$\nu_\mu s$	Adeva 91B		
$\mu^- c$	Adeva 91B		
$\nu_\tau b$	Adeva 91B		
	higgs ⁺⁺		
	$2\ell^+$ Acton 92L		
	higgs ⁻⁻		
	$2\ell^-$ Acton 92L		
	S^0		
	2γ Acciarri 95B Adriani 92G		

τ^-	τ^-	τ^-	τ^-
X	Steinberger 90	charged neutral (neutrals)	π^0 (π^0 's) ν_τ 3hadron Decamp 91R
$e^- X$	Daoudi 93 Bryman 92 Buskulic 92L Kiesling 91	Andrezza 95 Biasini 95 Ferrante 95 White 95 Akers 94L Adriani 93L Drell 92 Drell 92B Settles 92 Ammar 91 Decamp 91R	π^0 (π^0 's) ν_τ hadron ⁺ 2hadron ⁻ Privitera 91 $3\pi^0$ (π^0 's) ν_τ hadron ⁻ Girone 95 Schwarz 93 Decamp 91R Privitera 91 $3\pi^0$ (π^0 's) meson ⁻ ν_τ Kiesling 91
$\mu^- X$	Gomezycadena 94 Fernandez 93 Schwarz 93	charged ⁻ neutral (neutrals)	$3\pi^0 \pi^-$ (π^0 's) ν_τ Dam 92 $\pi^+ \pi^0 2\pi^-$ (π^0 's) ν_τ Akers 94P Dam 92
$\nu_\tau X$	Gomezycadena 94 Fernandez 93 Schwarz 93	hadron (hadrons) X Acciarri 95K	5charged (neutrals) + 3charged (neutrals) Adriani 93L 5charged (neutrals) Ting 93
mult[charged] (neutrals)	Buskulic 95 Babu 94 Abreu 93 Pulzer 93 Buskulic 92K	charged (charged)s X Abe 96	ν_τ 5charged (neutrals) Acton 92F Riles 92 Seywerd 92 Stoker 91
charged (neutrals)	Dam 92 Kiesling 91 Privitera 91	$K^- \pi^0$ (π^0 's) ν_τ + $\pi^0 \pi^-$ (π^0 's) ν_τ	ν_τ (γ 's) 2hadron ⁺ 3hadron ⁻ Schwarz 93 (π^0 's) ν_τ 2hadron ⁺ 3hadron ⁻ Dufлот 94 Privitera 91
K^- (neutrals)	Abreu 95P Buskulic 95H Ting 93	3charged (neutrals) Abe 95ZF Abreu 95P Alexander 95F Buskulic 95H Akers 94L Ting 93 Battle 92 Albrecht 91M	π^0 (π^0 's) 3meson (mesons) ν_τ Kiesling 91
e^- neutral (neutrals)	Battle 94	ν_τ 3charged (neutrals)	$2\pi^+ 3\pi^- \nu_\tau$ (neutrals) Danilov 94 Gibaut 94
ν_τ charged (neutrals)	Acton 93B Adriani 93B Acton 92F Decamp 92 Riles 92 Seywerd 92 Trischuk 92 Abreu 911 Acton 91D Adeva 911 Campion 91 Stoker 91	Abreu 93 Acton 93B Adriani 93B Acton 92F Decamp 92 Riles 92 Seywerd 92 Trischuk 92 Abreu 911 Acton 91D Adeva 911 Stoker 91	$2\pi^+ 3\pi^-$ (π^0 's) ν_τ Dam 92 Decamp 91R
ν_τ charged ⁻ (neutrals)	Acton 92	ν_τ (γ 's) hadron ⁺ 2hadron ⁻ Schwarz 93	5charged neutral (neutrals) Drell 92B Settles 92 Decamp 91R
ν_τ (γ 's) hadron ⁻	Schwarz 93	(π^0 's) ν_τ hadron ⁺ 2hadron ⁻ Artuso 94	$3\pi^0$ (π^0 's) ν_τ hadron ⁺ 2hadron ⁻ Girone 95 Dufлот 94
ν_τ hadron (hadrons)	Bai 95 Korolko 95 Fero 94 Buskulic 93C Ting 93 Acton 92H Chrin 92 Wachsmuth 91	ν_τ 3charged-hadron (neutrals) Coan 95 (π^0 's) ν_τ 3charged-hadron Heltsley 92	$e^- \gamma$ Abreu 95K Stugu 95 Schwarz 93 Albrecht 92
ν_τ charged-hadron (neutrals)	Coan 95	$2\pi^0$ (π^0 's) meson ⁻ ν_τ Kiesling 91	e^- axion Albrecht 95B
$K^- \nu_\tau X$	Danilov 94	$\pi^+ 2\pi^-$ (π^0 's) ν_τ Nuttall 92	e^- goldstone Golotvin 94
$K_S \nu_\tau X$	Akers 94I	$K^- 2\pi^0$ (π^0 's) ν_τ + $2\pi^0 \pi^-$ (π^0 's) ν_τ Akers 94	e^- majoron Albrecht 95B
$K^- \nu_\tau$ (neutrals)	Akers 94I Abreu 94O Alemany 94 Buskulic 94G	$K^- \pi^+ \pi^-$ (π^0 's) ν_τ Alemany 94 Schwarz 93	e^- arion Albrecht 95B
K^- (π^0 's) ν_τ	Schwarz 93	$K^+ K^- \pi^-$ (π^0 's) ν_τ Alemany 94 Schwarz 93	$\mu^- \gamma$ Abreu 95K Stugu 95 Eigen 94 Schwarz 93 Albrecht 92 Bean 92
$K^*(892)^- 0K_S \nu_\tau$ (neutrals)	Akers 94I	3charged neutral (neutrals) Charlesworth 95 White 95 Drell 92 Settles 92 Ammar 91 Decamp 91R	μ^- axion Albrecht 95B
$K^*(892)^- \nu_\tau$ (neutrals)	Albrecht 95C Alemany 94	charged ⁺ 2charged ⁻ neutral (neutrals) Gomezycadena 94 Fernandez 93	μ^- goldstone Golotvin 94
$K^*(892)^- (\pi^0$'s) ν_τ	Schwarz 93		μ^- majoron Albrecht 95B
charged (charged)s (neutrals)	Akers 95T		μ^- arion Albrecht 95B
			ν_τ hadron Decamp 91R
			ν_τ hadron ⁻ Girone 95 Danilov 94 Dufлот 94 Schwarz 93 Drell 92B Heltsley 92 Riles 92 Privitera 91 Stoker 91 Decamp 91R
			meson ⁻ ν_τ Kiesling 91
			$\pi^0 e^-$ Schwarz 93 Albrecht 92
			$\pi^0 \mu^-$ Schwarz 93 Albrecht 92 Dydak 91
			$\pi^- \nu_\tau$ Abreu 95T Akers 95B Albrecht 95 Buskulic 95K Buskulic 95O Buskulic 95P Gentile 95 Girone 95 Raab 95 Akers 94P Alemany 94 Bonivento 94 Brient 94 Buskulic 94J Fan 94B Golotvin 94 Gomezycadena 94 Hocker 94 Jones 94 Balest 93 Buskulic 93B Fernandez 93 Gruwe 93 Kirsch 93 Ting 93 Abreu 92B Buskulic 92J Seywerd 92 Alexander 91G Decamp 91H Kiesling 91 Stoker 91 Zomer 91 Zomer 91B
			ηe^- Albrecht 92
			$\eta \mu^-$ Albrecht 92
			$\rho^0 e^-$ Bartelt 94 Danilov 94 Eigen 94 Golotvin 94 Albrecht 92
			$\rho^0 \mu^-$ Bartelt 94 Danilov 94 Eigen 94 Golotvin 94 Albrecht 92
			$\rho^- \nu_\tau$ Abreu 95T Akers 95B Buskulic 95K Buskulic 95P Raab 95 Acciarri 94F Akers 94P Albrecht 94Q Bonivento 94 Brient 94

heavy- $\bar{\nu}$

heavy-$\bar{\nu}$	q	q	q	\bar{q}	
$e^- e^+ \bar{\nu}$	Abachi 95K Eno 95	Akers 95H Akers 95K Buskulic 95D Harris 95 Harris 95B Hoftun 95 Abe 94I Abe 94ZD Abreu 94P Ahmed 94 Akers 94Q Barreiro 94 Brisson 94B Buskulic 94I Demin 94 Derrick 94G Feltesse 94 Greenshaw 94 Hagopian 94 Harnew 94 Jakobs 94 Kiesling 94 Norman 94 Park 94B Stuart 94 White 94 Abachi 93B Abe 93E Abe 93R Abramowicz 93 Abreu 93J Abt 93C Adam 93 Buskulic 93F Cobal 93 Krasny 93 Krasny 93B Leung 93 Lopezfernand 93 Merritt 93 Pavel 93 Shaw 93 Sirois 93 Zanetti 93 Abe 92J Adriani 92D Adriani 92G Adriani 92N Barbarogalti 92 Bethke 92 Buskulic 92M Fan 92 Flaughner 92B Gross 92B Incagli 92 Madaras 92 Mishra 92 Sinervo 92 Sopczak 92 Tsuboyama 92 Yeh 92 Abe 91K Abreu 91K Abreu 91M Abreu 91N Acton 91J Adachi 91 Adeva 91H Alexander 91B Alitti 91D Barbarogalti 91 Campagnari 91 Decamp 91B Decamp 91M Dydak 91 Goobar 91 Kuhlmann 91 Liss 91 Maki 91 Sawyer 91 Simon 91 Abe 90I	q	q	\bar{q}
$e^+ q \bar{q}$	Abachi 95ZN				
heavy-ν_e	Daszewski 95 Hindi 94 Wietfeldt 93 Abreu 91N Hime 91B Morrison 91				
heavy-$\bar{\nu}_e$	Bahran 95 Bowler 95 Bowler 94 Kalbfleisch 93 Bahran 92 Chen 92C Hime 92 Abreu 91N Hime 91 Hime 91B Morrison 91 Sur 91				
heavy-ν_μ	Abreu 91N				
heavy-$\bar{\nu}_\mu$	Abreu 91N				
heavy-ν_τ	Abreu 91N				
heavy-$\bar{\nu}_\tau$	Abreu 91N				
heavy-lepton⁰	Adriani 92L Dydak 91 $\ell^+ \ell^- \nu$ Abreu 91N $\mu^- e^+ \nu_e$ Ammosov 92B $\ell^- q \bar{q}$ Abreu 91N				
heavy-lepton⁰	Abreu 91N Dydak 91				
heavy-lepton⁻	Dydak 91 ν (hadrons) Kim 90C $e^- X$ Kim 90C $\mu^- X$ Kim 90C $\ell^- \bar{\nu} X$ Dydak 91				
heavy-lepton⁺	Dydak 91 $\bar{\nu}$ (hadrons) Kim 90C $e^+ X$ Kim 90C $\mu^+ X$ Kim 90C $\ell^+ \nu X$ Dydak 91				
q	Abachi 95Z Abachi 95ZN Abe 95B Abe 95V Acciarri 95E Aid 95J Akers 95	mult[charged] X Alam 92	q	\bar{q}	
			mult[charged] (neutrals) Abreu 92C Chliapnikov 92 mult[charged]-hadron] (neutrals) Acton 93 Alexander 91H Mattig 91 charged X Buskulic 95Q jet X Decamp 92C hadron⁺ X Aid 95E hadron⁻ X Aid 95E ηX Adriani 92C jet < hadron (hadrons) > Akers 94D Ting 93 jet < charged X > Takaki 93 Acton 92K Hebbeker 91 Yepes 91 jet < mult[hadron] > Bethke 92B jet Abe 95ZH Akers 95M Alexander 95D Buskulic 95G Abe 94L Abe 93ZE Acton 93 Alexander 91H Mattig 91 ℓ^\pm jet Acton 93 Alexander 91H Mattig 91 \bar{B} jet Abreu 96B Buskulic 95R	\bar{q}	Gross 92B Sinervo 92 Sopczak 92 Tsuboyama 92 Yeh 92 Abe 91K Abreu 91K Abreu 91M Abreu 91N Acton 91J Adachi 91 Adeva 91H Alexander 91H Barbarogalti 91 Campagnari 91 Decamp 91B Decamp 91M Dydak 91 Goobar 91 Kuhlmann 91 Liss 91 Maki 91 Mattig 91 Sawyer 91 Yepes 91 Abe 90I mult[charged] X Alam 92 charged X Buskulic 95Q hadron⁺ X Aid 95E hadron⁻ X Aid 95E jet < $\ell^\pm X$ > Ting 93 jet Abreu 96B Abe 95ZH Akers 95M Buskulic 95G Buskulic 95R Abe 94L jet < charged X > Acton 92K
			u	Harris 95B Abe 93ZF Alexander 93B Bartelt 93B Besson 93B Abreu 92H Acton 92Q Cosmo 92 Eerola 92 Moulding 92 Adeva 91B Albrecht 91I Alexander 91D Bortolotto 91 Deangelis 91B Dydak 91 jet Abe 95ZP Abe 94ZB Strohmer 94 Biebel 93B Burrows 93 μ^- jet Strohmer 94 Biebel 93B μ^+ jet Strohmer 94 Biebel 93B π^+ jet Strohmer 94 Biebel 93B	
			\bar{u}	Harris 95B Abreu 92H Acton 92Q Cosmo 92	

\bar{u} \bar{c}

\bar{u}	Eerola 92 Alexander 91D Bortolotto 91 Deangelis 91B Dydak 91	s	Adriani 92J Cosmo 92 Eerola 92 Sopczak 92B Sopczak 92C Adeva 91B Alexander 91D Bortolotto 91 Deangelis 91B Lesiak 91	c	Alvarez 92 Ammosov 92B Appel 92 Bencheikh 92 Benedic 92 Blumlein 92 Blumlein 92B Campana 92 Cosmo 92 Eerola 92 Felcini 92 Settles 92 Sopczak 92B Sopczak 92C Tsuboyama 92 Wyatt 92 Adeva 91B Albrecht 91I Alexander 91D Bortolotto 91 Geerts 91 Kanzaki 91 Maki 91 Rossi 91 Simon 91 Albajar 90H Behrend 90	c	e^+ jet Alexander 95H Acton 93H Decamp 91G
jet	Abe 95ZP Abe 94ZB Strohmer 94 Biebel 93B Burrows 93	jet	Abe 95ZP Abe 94ZB Strohmer 94 Biebel 93B Burrows 93		Sefkow 93 Deangelis 91B	μ^+ jet Alexander 95H Strohmer 94 Acton 93H Biebel 93B Decamp 91G	
μ^- jet	Strohmer 94 Biebel 93B	μ^- jet	Strohmer 94 Biebel 93B	ℓ^+ X	Dydak 91	μ^+ jet + e^+ jet Adriani 92E	
μ^+ jet	Strohmer 94 Biebel 93B	μ^+ jet	Strohmer 94 Biebel 93B	e^+ X	Dydak 91	$D^*(2010)^+$ jet Strohmer 94 Biebel 93B	
π^- jet	Strohmer 94 Biebel 93B	K^- jet	Strohmer 94 Biebel 93B	μ^\pm X	Akrawy 91C Mattig 91	$e^+ \nu_e d$ Abe 93ZF	
d	Harris 95B Abe 93ZF Abreu 92H Acton 92Q Cosmo 92 Eerola 92 Moulding 92 Adeva 91B Alexander 91D Bortolotto 91 Deangelis 91B Dydak 91	\bar{s}	Alam 94B Abreu 92H Acton 92Q Adriani 92I Adriani 92J Cosmo 92 Eerola 92 Felcini 92 Sopczak 92B Sopczak 92C Alexander 91D Bortolotto 91 Deangelis 91B Simon 91 Albajar 90H	charged X	Bazarko 95 Albajar 91 Dydak 91 Spiegel 91	\bar{c}	Abe 95ZQ Akers 95K Alexander 95H Bargende 95 Buskulic 95J Derrick 95 Garbincius 95 Abreu 94S Akers 94S Buskulic 94D Lourenco 94 Matti 91 Adriani 93D Akers 93E Alexander 93B Blondel 93 Blondel 93B Buskulic 93P Hinode 93 Kwan 93 Lourenco 93 Shirai 93 Abreu 92H Acton 92Q Adriani 92I Adriani 92J
jet	Abe 95ZP Abe 94ZB Strohmer 94 Biebel 93B Burrows 93	jet	Abe 95ZP Abe 94ZB Strohmer 94 Biebel 93B Burrows 93	hadron X	Akers 95I	Abe 95ZQ Akers 95K Alexander 95H Bargende 95 Buskulic 95J Derrick 95 Garbincius 95 Abreu 94S Akers 94S Buskulic 94D Lourenco 94 Matti 91 Adriani 93D Akers 93E Alexander 93B Blondel 93 Blondel 93B Buskulic 93P Hinode 93 Kwan 93 Lourenco 93 Shirai 93 Abreu 92H Acton 92Q Adriani 92I Adriani 92J	
μ^- jet	Strohmer 94 Biebel 93B	μ^- jet	Strohmer 94 Biebel 93B	π^+ X	Dydak 91	Abreu 94S Akers 94S Abreu 95S King 94 Nakano 93 Sakuda 93 Shirai 91	
μ^+ jet	Strohmer 94 Biebel 93B	μ^+ jet	Strohmer 94 Biebel 93B	charm X	Abe 94V Nakano 94	Abreu 93G Okamoto 91	
π^- jet	Strohmer 94 Biebel 93B	K^+ jet	Strohmer 94 Biebel 93B	D^+ X	King 94 Abreu 93G	Abreu 93G Okamoto 91	
\bar{d}	Harris 95B Abreu 92H Acton 92Q Cosmo 92 Eerola 92 Alexander 91D Bortolotto 91 Deangelis 91B Dydak 91	c	Abe 95ZQ Abreu 95B Akers 95K Bargende 95 Buskulic 95J Derrick 95 Garbincius 95 Abreu 94S Akers 94J Buskulic 94D Lourenco 94 Shirai 94 Adriani 93D Akers 93E Alexander 93B Blondel 93 Blondel 93B Buskulic 93P Hinode 93 Kwan 93 Lourenco 93 Shirai 93 Abreu 92H Acton 92Q Adriani 92I Adriani 92J	D^0 X	Abreu 93G Okamoto 91	$D^*(2010)^\pm$ X Capon 91	
jet	Abe 95ZP Abe 94ZB Strohmer 94 Biebel 93B Burrows 93		Abe 95ZQ Abreu 95B Akers 95K Bargende 95 Buskulic 95J Derrick 95 Garbincius 95 Abreu 94S Akers 94J Buskulic 94D Lourenco 94 Shirai 94 Adriani 93D Akers 93E Alexander 93B Blondel 93 Blondel 93B Buskulic 93P Hinode 93 Kwan 93 Lourenco 93 Shirai 93 Abreu 92H Acton 92Q Adriani 92I Adriani 92J	$D^*(2010)^+$ X	Akers 94S	$D^*(2010)^+$ X Abreu 95S King 94 Nakano 93 Sakuda 93 Shirai 91	
μ^- jet	Strohmer 94 Biebel 93B		Abe 95ZQ Abreu 95B Akers 95K Bargende 95 Buskulic 95J Derrick 95 Garbincius 95 Abreu 94S Akers 94J Buskulic 94D Lourenco 94 Shirai 94 Adriani 93D Akers 93E Alexander 93B Blondel 93 Blondel 93B Buskulic 93P Hinode 93 Kwan 93 Lourenco 93 Shirai 93 Abreu 92H Acton 92Q Adriani 92I Adriani 92J	D_s^+ X	Buskulic 95I	μ^+ hadron (hadrons) Liu 93	
μ^+ jet	Strohmer 94 Biebel 93B		Abe 95ZQ Abreu 95B Akers 95K Bargende 95 Buskulic 95J Derrick 95 Garbincius 95 Abreu 94S Akers 94J Buskulic 94D Lourenco 94 Shirai 94 Adriani 93D Akers 93E Alexander 93B Blondel 93 Blondel 93B Buskulic 93P Hinode 93 Kwan 93 Lourenco 93 Shirai 93 Abreu 92H Acton 92Q Adriani 92I Adriani 92J	jet	Abachi 95ZP Abe 95ZP Buskulic 95G Abe 94ZB Strohmer 94 Biebel 93B Burrows 93	ℓ^- X Sefkow 93	
π^+ jet	Strohmer 94 Biebel 93B		Abe 95ZQ Abreu 95B Akers 95K Bargende 95 Buskulic 95J Derrick 95 Garbincius 95 Abreu 94S Akers 94J Buskulic 94D Lourenco 94 Shirai 94 Adriani 93D Akers 93E Alexander 93B Blondel 93 Blondel 93B Buskulic 93P Hinode 93 Kwan 93 Lourenco 93 Shirai 93 Abreu 92H Acton 92Q Adriani 92I Adriani 92J	ℓ jet	Akrawy 91B Mattig 91	e^- X Dydak 91	
s	Alam 94B Albrecht 94U Kuno 94 Adriani 93G Abreu 92H Acton 92Q Adriani 92I		Abe 95ZQ Abreu 95B Akers 95K Bargende 95 Buskulic 95J Derrick 95 Garbincius 95 Abreu 94S Akers 94J Buskulic 94D Lourenco 94 Shirai 94 Adriani 93D Akers 93E Alexander 93B Blondel 93 Blondel 93B Buskulic 93P Hinode 93 Kwan 93 Lourenco 93 Shirai 93 Abreu 92H Acton 92Q Adriani 92I Adriani 92J			μ^- X Dydak 91 Spiegel 91	
			Abe 95ZQ Abreu 95B Akers 95K Bargende 95 Buskulic 95J Derrick 95 Garbincius 95 Abreu 94S Akers 94J Buskulic 94D Lourenco 94 Shirai 94 Adriani 93D Akers 93E Alexander 93B Blondel 93 Blondel 93B Buskulic 93P Hinode 93 Kwan 93 Lourenco 93 Shirai 93 Abreu 92H Acton 92Q Adriani 92I Adriani 92J			charged X Akers 95I	
			Abe 95ZQ Abreu 95B Akers 95K Bargende 95 Buskulic 95J Derrick 95 Garbincius 95 Abreu 94S Akers 94J Buskulic 94D Lourenco 94 Shirai 94 Adriani 93D Akers 93E Alexander 93B Blondel 93 Blondel 93B Buskulic 93P Hinode 93 Kwan 93 Lourenco 93 Shirai 93 Abreu 92H Acton 92Q Adriani 92I Adriani 92J			hadron X Liu 93	

Entries in order of particle name, then decay. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). See the legend on page 331.

\bar{c}	b	b	b
$\pi^- X$ Dydak 91		hadron X Burrows 93 Liu 93 Adeva 91C Mattig 91	Jones 94B Pater 93 Pierre 93 Acton 92I Buskalic 92G Decamp 91Q
charm X Abe 94V Nakano 94		hadron (hadrons) Beretvas 95C Abe 93Z Su 92 Trischuk 91	$\Xi_b^0 X$ Abreu 95N
$D^- X$ King 94		charged-hadron X Schumm 92	$\Xi_b^- X$ Abreu 95N Pierre 93
$D^*(2010)^- X$ Abreu 95S King 94 Nakano 93 Sakuda 93		$u X$ Besson 93B	$\ell^- \text{ mult[charged] (neutrals)}$ Acton 92P
$D_s^- X$ Buskalic 95I		$c < e^+ \nu_e X > X$ Buskalic 94D	$\ell \bar{\nu} X$ Adriani 93B
$\mu^- \text{ hadron (hadrons)}$ Liu 93		$c < \mu^+ \nu_\mu X > X$ Buskalic 94D	$e^- \text{ jet } X$ Rollnik 92 Shirai 91
jet Abachi 95ZP Abe 95ZP Buskalic 95G Abe 94ZB Strohmer 94 Biebel 93B Burrows 93		$c < \ell X > X$ Abreu 95B	$e^- \bar{\nu}_e X$ Buskalic 94D Abreu 92D
$\ell \text{ jet}$ Akrawy 91B	ℓX Abreu 95B Abreu 92 Adeva 91C Mattig 91	$D^+ X$ Abreu 93G	$\mu^- \text{ jet } X$ Shirai 91
$\mu^- \text{ jet}$ Strohmer 94 Biebel 93B	$\ell^- X$ Buskalic 93M Sefkow 93 Ting 93 Abreu 92L Deangelis 91B Trischuk 91	$D^0 X$ Abreu 93G	$\mu^+ \text{ jet } X$ Yeh 92
$D^*(2010)^- \text{ jet}$ Strohmer 94 Biebel 93B	$e^\pm X$ Benlloch 93 Shaw 93 Maki 91	$D^*(2010)^\pm X$ Capon 91	$\mu^- \text{ hadron (hadrons)}$ Liu 93
	$e^- X$ Abe 93I Abe 93O Acton 92J Barbarogalti 92 Yeh 92 Adeva 91F Campagnari 91 Capon 91 Dydak 91 Nagai 91	$D^*(2010) X$ Akers 94S	$\mu^- \bar{\nu}_\mu X$ Buskalic 94D Derwent 94 Abreu 92D
	$e^+ X$ Yeh 92	$J/\psi(1S) X$ Abreu 94M Mangano 93 Adriani 92D Boswell 92 Fuess 92 Papadimitrio 92	$\nu_\tau \tau^\pm X$ Kuno 94
	$\mu^\pm X$ Abachi 93 Benlloch 93 Greenlee 93 Shaw 93 Abreu 91Q Akrawy 91C Maki 91 Mattig 91	$\chi_{c2}(1P) X + \chi_{c1}(1P) X$ Abreu 94M	$\tau^- \nu_\tau X$ Acciarri 94C
	$\mu^- X$ Abachi 95G Abe 95K Leone 94 Abe 93I Abe 93P Cobal 93 Huffman 92 Abe 91G Abe 91K Adeva 91F Albajar 91 Capon 91 Dydak 91 Felcini 91 Shimonaka 91	$\psi(2S) X$ Abreu 94M Mangano 93 Fuess 92 Papadimitrio 92	$\tau^- \bar{\nu}_\tau X$ Buskalic 95 Pulzer 93 Ting 93 Buskalic 92K
	$\mu^+ X$ Contreras 91 Felcini 91	bottom X Abe 94U Abe 94V Manly 94 Nakano 94 Williams 94	$\mu^- c X$ Albajar 91
	charged X Akers 95I Akers 93H	$B X$ Abreu 95S Akers 95F Akers 95X	$D e^+ X$ Yeh 92
	jet X Derwent 94 Nagai 91	$B^+ X$ Yeh 92	$e^- 2\text{hadron (hadrons)}$ Dydak 91
		$\bar{B} X$ Buskalic 94L King 94 Abe 93O	$e^- \bar{\nu}_e \text{ hadron (hadrons)}$ Shirakata 91
		$\bar{B}^0 X$ Jones 94B Adeva 92	$\mu^- \bar{\nu}_\mu \text{ hadron (hadrons)}$ Shirakata 91
		$B^- X$ Jones 94B	$D^0 e^- \bar{\nu}_e X$ Mangano 93
		$\bar{B}^0 \text{ (hadrons)}$ Forty 93 Buskalic 92E Patton 91	jet < hadron (hadrons) > Buskalic 93J
		$B_s X$ Acton 92M	jet Abe 96 Abreu 96B Abachi 95G Abe 95K Abe 95ZP Alexander 95D Beretvas 95B Beretvas 95C Buskalic 95G Buskalic 95R Klima 95B Abe 94B Abe 94E Abe 94ZB Abe 94ZE Garbincius 94 Konigsberg 94 Leone 94 Strohmer 94 Biebel 93B Burrows 93 Fatyga 93
		$\bar{B}_s X$ Buskalic 95I Jones 94B Pierre 93 Adeva 92	$\ell \text{ jet}$ Adeva 91C Mattig 91
		$\bar{B}_s X + D_s^+ X$ Abreu 94	$\ell^- \text{ jet}$ Akers 94N
		$\bar{B}_s \text{ (hadrons)}$ Buskalic 92E Patton 91	
		$\Lambda_b X$ Abreu 95M Akers 95W	

t

t		\bar{t}		neutralino		wino⁺
W^+ jet	Beretvas 95 Strovink 95 Sphicas 94 Bhat 93 Diehl 93 Narain 93		Abe 91G Abe 91K Contreras 91 Dydak 91 Kuhlmann 91 Liss 91 Simon 91 Sliwa 91 Albajar 90H		Acciarri 95F Eno 95 Shirai 94 Shirai 93 Bertin 91 Decamp 91M Dydak 91	μ^+ neutral (neutrals) Eno 95 Blessing 94
W^- jet	Beretvas 95 Strovink 95 Sphicas 94	$e^- X$	Raja 92	$e^- e^+$ neutral (neutrals) Kamon 94		$e^+ \bar{\nu}_e$ Jakobs 94
$W^+ b$	Abe 96 Abachi 95G Abe 95J Abe 95K Beretvas 95B Beretvas 95C Klima 95B Abe 94B Abe 94ZE Jakobs 94 Konigsberg 94 Leone 94 Abachi 93 Abe 93ZJ Benloch 93 Fatyga 93 Greenlee 93 Shaw 93 Barbarogalti 92 Madaras 92	$e^+ X$	Yeh 92	$\mu^- \mu^+$ neutral (neutrals) Kamon 94		$e^+ \nu$ neutralino Abachi 95ZO
		$\mu^- X$	Raja 92	γ neutralino Abe 95ZH Abe 94I		$\mu^+ \nu$ neutralino Abachi 95ZO
		$\mu^+ X$	Yeh 92	$e^- e^+$ neutralino Abe 96C White 94 Wolinski 94		wino⁻
		$e^+ \bar{b} X$	Yeh 92	$\mu^- \mu^+$ neutralino Abe 96C White 94 Wolinski 94 Abe 93ZH Cobal 93		e^- neutral (neutrals) Eno 95 Blessing 94
		$\mu^+ \bar{b} X$	Yeh 92	chargino		μ^- neutral (neutrals) Eno 95 Blessing 94
		W^- jet	Bhat 93 Narain 93	White 94 Wolinski 94 Decamp 91M		$e^- \bar{\nu}_e$ Jakobs 94
		$W^- b$	Fatyga 93	chargino⁺		$e^- \bar{\nu}$ neutralino Abachi 95ZO
		$W^- \bar{b}$	Abe 96 Abachi 95G Abe 95J Abe 95K Beretvas 95B Beretvas 95C Klima 95B Abe 94B Abe 94ZE Jakobs 94 Konigsberg 94 Leone 94 Abachi 93 Abe 93ZJ Benloch 93 Greenlee 93 Shaw 93	$e^+ \nu_e$ neutral (neutrals) Kamon 94		$e^- \bar{\nu}_e$ photino Borzumati 92
$b H^+$	Abe 96 Abe 94E Jakobs 94 Abe 93ZI Cobal 93 Alitti 92 Felcini 91 Simon 91 Albajar 90H		Abe 96 Abe 94E Jakobs 94	$\mu^+ \nu_\mu$ neutral (neutrals) Kamon 94		$\mu^- \bar{\nu}_\mu$ photino Borzumati 92
				$e^+ \nu_e$ neutralino Abe 96C White 94 Wolinski 94		$\tau^- \bar{\nu}_\tau$ photino Borzumati 92
				$\mu^+ \nu_\mu$ neutralino Abe 96C White 94 Wolinski 94 Abe 93ZH Cobal 93		zino
$e^- \bar{\nu}_e$ jet	Contreras 91 Sliwa 91	$\bar{b} H^-$	Abe 96 Abe 94E Jakobs 94	chargino⁻		$e^- e^+$ neutral (neutrals) Eno 95 Blessing 94
$\ell^+ \nu b$	Simon 91	$e^- \bar{\nu}_e \bar{b}$	Barbarogalti 92 Barbarogalti 91 Campagnari 91 Abe 90I	$e^- \bar{\nu}_e$ neutral (neutrals) Kamon 94		$\mu^- \mu^+$ neutral (neutrals) Eno 95 Blessing 94
$e^- \bar{\nu}_e b$	Contreras 91			$e^- \bar{\nu}_e$ neutralino Abe 96C		$e^- e^+$ neutralino Abachi 95ZO
$e^+ \nu_e b$	Barbarogalti 92 Barbarogalti 91 Campagnari 91 Liss 91	$\mu^- \bar{\nu}_\mu \bar{b}$	Barbarogalti 92 Barbarogalti 91 Campagnari 91	$\mu^- \bar{\nu}_\mu$ neutralino Abe 96C Abe 93ZH Cobal 93		$\mu^- \mu^+$ neutralino Abachi 95ZO
$\mu^+ \nu_e b$	Barbarogalti 92	$\bar{b} q \bar{q}$	Barbarogalti 91 Campagnari 91	photino		gluino
$\mu^+ \nu_\mu b$	Barbarogalti 91 Campagnari 91 Liss 91 Albajar 90H	diquark		Hoftun 95 Sugimoto 95 Greenshaw 94 Hosoda 94 Borzumati 92 Kanzaki 91 Kuhlmann 91		Shochet 94 Cobal 93 Hu 93 Hu 93B Abe 92M Borzumati 92 Dydak 91
b 2jet	Cobal 93 Abe 91G Contreras 91	2jet	Harris 95B Harris 95 Abe 94Y	γ higgsino		jet X Hagopian 94
$b q \bar{q}$	Barbarogalti 92 Abe 91K Barbarogalti 91 Campagnari 91 Liss 91 Abe 90I	b'	Adriani 93B Dydak 91	$\tau^- e^+ \bar{\nu}_\mu$ Acton 93J		(jets) 2jet X Laasanen 91
		\bar{b}'	Dydak 91	$\tau^+ e^- \nu_\mu$ Acton 93J		neutralino jet Abachi 95F Abachi 95L Eno 95
		s-particle		$\tau^- \mu^+ \bar{\nu}_e$ Acton 93J		gluon \tilde{q} Hoftun 95
		neutralino	Borzumati 92 Decamp 91M	$\tau^+ \mu^- \nu_e$ Acton 93J		$q \tilde{q}$ Jakobs 94
			Abachi 95F Abachi 95L Abachi 95ZO Abachi 95ZP	wino⁺		$\bar{q} \tilde{q}$ Abe 95ZH
				e^+ neutral (neutrals) Eno 95 Blessing 94		$q \tilde{q}$ Abe 95ZH
						photino \tilde{q} Jakobs 94
						neutralino 2jet Abachi 95F Abachi 95L Eno 95
						$q \tilde{q}$ neutralino Abe 95ZH Abe 94I
						$q \tilde{q}$ photino Jakobs 94 Kuhlmann 91
						$q \tilde{q} \tilde{q}$ Abe 94I

ν^* meson⁰

ν^*	e^{*-}	q^*	meson
$e^- e^+ \nu$ Kiesling 94 Abt 93C	Abt 93C	$W^\pm q$ Abe 94ZD Abe 93ZE Cobal 93	$J/\psi(1S) 2\pi^-$ Antoniazzi 94B
$\mu^- e^+ \nu + \mu^+ e^- \nu$ Kiesling 94 Abt 93C	e^{*+} $\bar{\nu} W^+$ Abreu 91G Ahmed 94B	$W^+ q$ Brisson 94B Derrick 94G	meson⁺ $\ell^+ \nu$ Chen 91 Condo 91 Dunwoodie 91 Yuzuki 91
$\bar{\nu}^*$ $e^+ X$ Abreu 96 Dydak 91 $\nu \gamma$ Dydak 91 $\bar{\nu} \gamma$ Acciarri 95L Ahmed 94B $\bar{\nu} Z^0$ Ahmed 94B $e^+ W^-$ Acciarri 95L Ahmed 94B	$e^+ \gamma$ Acciarri 95L Ahmed 94B Deroeck 94 Jakobs 94 Berger 93 Bardadinotwi 92 Bardadinotwi 92B Dydak 91 $\bar{\nu}_e W^+$ Deroeck 94 Berger 93 $e^+ Z^0$ Ahmed 94B Deroeck 94 Berger 93	$W^- q$ Brisson 94B Derrick 94G $Z^0 q$ Brisson 94B Derrick 94G q gluon Brisson 94B Derrick 94G	$f_1(1285) \pi^+$ Amsler 94E
$e^{*\pm}$ $e^\pm 2\gamma$ Greenshaw 94 Jakobs 94 Kiesling 94 Abt 93C Gromov 92	μ^{*-} $\mu^- \gamma$ Abreu 91G Acciarri 95L Dydak 91	\bar{q}^* 2jet Adriani 92G Harris 95 Abe 94Y Jakobs 94 Alitti 93 γ jet Geer 94 Huston 93 Meschi 93 W^+ jet Geer 94 γq Demin 94	meson⁰ Acton 93G Cameron 93 Rensing 93 Svec 93B Cameron 92 Ruoso 92B Svec 92 Acton 91B Chen 91 Dunwoodie 91 Kiesling 91 2neutral (neutrals) Landsberg 94C Lazanu 93 Karnaukhov 92 2hadron (hadrons) Abe 93B Adriani 93D Adeva 91E $\ell^+ \ell^-$ Acton 91C $e^- e^+$ Abe 93 Abe 93B Alliegro 92 Hallin 92 Meijerdrees 92B Adeva 91E
e^{*-} νW^- Abreu 91G Ahmed 94B Brisson 94B Derrick 94G $e^- \gamma$ Acciarri 95L Ahmed 94B Brisson 94B Deroeck 94 Derrick 94G Feltesse 94 Greenshaw 94 Harnew 94 Jakobs 94 Kiesling 94 Abramowicz 93 Abt 93C Berger 93 Derrick 93E McClean 93 Pavel 93 Pokotilovsky 93B Sirois 93 Dydak 91 $\nu_e W^-$ Deroeck 94 Harnew 94 Abramowicz 93 Berger 93 Derrick 93E McClean 93 Pavel 93 Sirois 93 $e^- Z^0$ Ahmed 94B Brisson 94B Deroeck 94 Derrick 94G Harnew 94 Abramowicz 93 Berger 93 Derrick 93E McClean 93 Pavel 93 Sirois 93 $e^- 2\nu$ Kiesling 94 Abt 93C $2e^- e^+$ Kiesling 94 Abt 93C $\mu^- \mu^+ e^-$ Kiesling 94	μ^{*+} $\mu^+ \gamma$ Abreu 91G Acciarri 95L Bardadinotwi 92 Bardadinotwi 92B Dydak 91 τ^{*-} $\tau^- \gamma$ Abreu 91G Acciarri 95L Dydak 91 τ^{*+} $\tau^+ \gamma$ Abreu 91G Acciarri 95L Dydak 91 q^* 2jet Harris 95 Abe 94Y Harris 94B Jakobs 94 Alitti 93 γ jet Geer 94 Greenshaw 94 Flaughner 93 Huston 93 Kephart 93 Meschi 93 Shaw 93 W^+ jet Geer 94 W^- jet Kephart 93 γq Abe 94ZD Brisson 94B Demin 94 Derrick 94G Abe 93ZE Cobal 93 Adriani 92G Abreu 91M	millicharged Mitsui 93 monopole Jakobs 94 Pinfold 93 Kinoshita 92 technirho 2jet Harris 95B Harris 95 Abe 94Y Harris 94B lepton-colored ν_e jet McClean 93 e^- jet McClean 93 e^- gluon Ahmed 94 Greenshaw 94 Harnew 94 Kiesling 94 Abt 93C Sirois 93 meson $\pi^+ \pi^-$ Kiesling 91 Rensing 93 $\eta \pi^0$ Anisovich 95 $a_0(980) \pi$ Augustin 90B $K^*(892) K$ Augustin 90B $J/\psi(1S) \pi^+$ Antoniazzi 94B $J/\psi(1S) \pi^-$ Antoniazzi 94B $p \bar{p}$ Vavilov 94B $J/\psi(1S) 2\pi^+$ Antoniazzi 94B $J/\psi(1S) \pi^+ \pi^0$ Antoniazzi 94B $J/\psi(1S) \pi^0 \pi^-$ Antoniazzi 94B	$e^- e^+$ Abe 93 Abe 93B Alliegro 92 Hallin 92 Meijerdrees 92B Adeva 91E $\mu^- \mu^+$ Abe 93B Adeva 91E 2 γ Morgan 94 Abe 93 Abe 93B Buskulic 93F Sternner 93 Harjes 91B 2 π^0 Ishida 95 Amsler 94B Amsler 94J Armstrong 94 Brose 94 Hasan 94 Zenoni 94 Peters 92 Gastaldi 91 $\pi^+ \pi^-$ Ableev 94 Aston 94 Hasan 94 Zenoni 94 Adamo 92B Adamo 92C Aston 92 Armstrong 91 Aston 91 Dunwoodie 91 Harjes 91B Feindt 90 $\eta \pi^0$ Donskov 95 Amsler 94B Amsler 94H Ravndal 94 Spanier 94 Palano 92 Feindt 90 Landsberg 90

meson⁰

η

meson ⁰	meson ⁰	η	η	
2η	Amsler 95E Amsler 94E Armstrong 94 Ravndal 94 Zenoni 94 Armstrong 93 Amsler 92B Palano 92 Gastaldi 91	6γ	Berger 90B Feindt 90 Yuldashev 90C	
ρ ⁰ η	Fukui 91	meson ⁻	X	
2ρ ⁰	Zenoni 94 Weidenauer 93 Feindt 90	ℓ ⁻ ν̄	π ⁺ π ⁻ neutral (neutrals)	
ρ ⁺ ρ ⁻	Amsler 94 Zenoni 94	2jet	Kodama 93E	
ρ f ₀ (700)	Bisello 91C	π ⁰ π ⁻	longlived	
ω π ⁰	Alde 91G	η π ⁻	μ ⁻ μ ⁺	
ω η	Donskov 95 Amsler 94E Ravndal 94 Samoylenko 91	f ₁ (1285) π ⁻	Amsler 94G	
2ω	Amsler 94E Ravndal 94	π ⁺ 2π ⁻	Abegg 94 Kessler 93	
η' η	Landsberg 90	η	2γ	
a ₀ (980) π	Bolton 92	Acciarri 95M Adler 95F Albrecht 95I Amsler 95E Breuer 95 Donskov 95 Price 95 Abreu 94H Acciarri 94B Alam 94C Albrecht 94C Albrecht 94D Amelin 94 Armstrong 94 Bachler 94 Chiavassa 94 Chiavassa 94B Danilov 94 Eigen 94 Frascaria 94 Ravndal 94 Spanier 94 Zenoni 94	Bartelt 96 Freyberger 66 Acciarri 95P Albrecht 95F Alde 95 Alde 95B Amelin 95C Ammar 95 Amsler 95B Amsler 95D Amsler 95F Amsler 95G Amsler 95H Anisovich 95 Brandenburg 95 Donskov 95 Dytman 95 Gibaut 95 Golovkin 95 Krusche 95C Vavilov 95C Achasov 94 Albrecht 94J Alde 94 Amsler 94C Amsler 94D Amsler 94E Amsler 94F Amsler 94G Amsler 94H Amsler 94I Amsler 94J Anisovich 94 Aoyagi 94 Berg 94 Castro 94 Chiavassa 94C Donskov 94 Faessler 94 Fan 94 Fan 94B Kampert 94 Kulik 94 Kurshetsov 94 Piccinini 94 Prokoshkin 94 Sadovsky 94 Singovsky 94 Wiedner 94 Zaitsev 94	Beladidze 92 Benayoun 92 Berdnikov 92B Bienlein 92 Bolton 92 Buskalic 92D Feindt 92C Harris 92 Palano 92 Procario 92B Abreu 91H Adams 91B Aguilarbenit 91 Alde 91B Alde 91C Alde 91E Amsler 91B Armstrong 91E Atayan 91 Berg 91 Bienlein 91 Bityukov 91 Bityukov 91C Daoudi 91 Durieux 91 Fukui 91 Karch 91 Karch 91B Karch 91C Matsuda 91 Procario 91 Samoylenko 91 Yokosawa 91 Behrend 90E Bieler 90 Kinoshita 90 Landsberg 90 Prokoshkin 90
a ₀ (980) ⁺ π ⁻	Bertin 95	Armstrong 93 Armstrong 93B Deangelis 93 Geer 93 Muheim 93B Schwarz 93 Stone 93 Suzuki 93 Ting 93 Adriani 92B Albrecht 92 Anton 92 Burchell 92 Chiavassa 92 Chiavassa 92B Drell 92B Hertzog 92 Palano 92 Peters 92 Plouin 92 Schmidt 92B Yokosawa 92 Achasov 91 Akrawy 91D Alde 91F Brock 91 Budagov 91 Decamp 91M Dydak 91 Gastaldi 91 Gittelman 91 Harris 91 Heusch 91 Landsberg 91 Monch 91 Augustin 90B	Gibaut 94B Kodama 93B Benayoun 92 Feindt 92C Amsler 91 Behrend 90E	
a ₀ (980) ⁻ π ⁺	Bertin 95	Adriani 93K Alexander 93B Alverson 93 Amsler 93 Amsler 93B Amsler 93D Aoyagi 93 Berdnikov 93 Bergdolt 93 Kampert 93 Wilhelm 93 Adriani 92C Albrecht 92S Alexander 92 Amsler 92B Amsler 92C Apsimon 92 Artuso 92 Avery 92 Balatz 92 Bardadinotwi 92	3π ⁰	
a ₂ (1320) ⁺ π ⁻	Abatzis 94D	Wiedner 94	Ableev 95C Akhmetshin 95 Akhmetshin 95B Amelin 95C Amsler 95B Golovkin 95 Achasov 94 Amsler 94 Amsler 94B Amsler 94D Amsler 94F Wiedner 94 Amsler 93 Amsler 92C Artuso 92 Amsler 91B Karch 91C	
a ₂ (1320) ⁻ π ⁺	Abatzis 94D	π ⁺ π ⁻ γ	Gibaut 94B Kodama 93B Benayoun 92 Feindt 92C Amsler 91 Behrend 90E	
K ⁺ K ⁻	Zenoni 94	3π ⁰	Amsler 95B Krusche 95 Krusche 95B Krusche 95C Amsler 94 Amsler 94B Amsler 94D Amsler 94F Wiedner 94 Amsler 93 Amsler 92C Artuso 92 Amsler 91B Karch 91C	
2K _S	Baloshin 95	π ⁺ π ⁰ π ⁻	Ableev 95C Akhmetshin 95 Akhmetshin 95B Amelin 95C Amsler 95B Golovkin 95 Achasov 94 Amsler 94 Amsler 94B Amsler 94D Amsler 94F Wiedner 94 Amsler 93 Amsler 92C Artuso 92 Amsler 91B Karch 91C	
K [*] (892) ⁺ K ⁻	Bertin 95	η 2π ⁰	Karch 91	
K [*] (892) ⁰ K ⁰	Felix 94	ρ ⁰ π ⁺ π ⁻	Abatzis 94D Abatzis 94D	
K [*] (892) ⁰ K ⁰	Felix 94	f ₂ (1270) π ⁺ π ⁻	Abatzis 94D Abatzis 94D	
K [*] (892) ⁻ K ⁺	Bertin 95	K ⁺ K ⁰ π ⁻	Bertin 95	
2φ(1020)	Bertolotto 94	K ⁰ K ⁻ π ⁺	Bertin 95	
2(ππ) _{L=0}	Amsler 94 Zenoni 94	π ⁺ 2π ⁰ π ⁻	Amsler 94 Bauer 93	
π ⁺ π ⁰ π ⁻	Danielsen 92	2π ⁺ 2π ⁻	Abatzis 94D Feliciello 94 Weidenauer 93 Adamo 92B Adamo 92C Gastaldi 91	
η 2π ⁰	Karch 91			
ρ ⁰ π ⁺ π ⁻	Abatzis 94D Abatzis 94D			
f ₂ (1270) π ⁺ π ⁻	Abatzis 94D Abatzis 94D			
K ⁺ K ⁰ π ⁻	Bertin 95			
K ⁰ K ⁻ π ⁺	Bertin 95			
π ⁺ 2π ⁰ π ⁻	Amsler 94 Bauer 93			
2π ⁺ 2π ⁻	Abatzis 94D Feliciello 94 Weidenauer 93 Adamo 92B Adamo 92C Gastaldi 91			

Entries in order of particle name, then decay. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). See the legend on page 331.

η ρ^-

η	ρ^+	ρ^0	ρ^0	
Avery 92 Beladidze 92 Bolton 92 Procario 92B Aguilarbenit 91 Amsler 91 Amsler 91B Anjos 91 Armstrong 91E Bityukov 91 Bityukov 91C Daoudi 91 Procario 91 Behrend 90E	Brient 94 Castro 94 Frabetti 94D Girone 94 Gomezycadena 94 Kriznic 94 Albrecht 93B Besson 93B Browder 93 Cattaneo 93 Fernandez 93 Anjos 92C Anjos 92D Armstrong 92H Avery 92 Bean 92B Coffman 92B Kroha 92B Lafferty 92 Aguilarbenit 91 Chen 91 Procario 91 Alvarez 90D	Donnachie 91 Geist 91 Guillaud 91 Jones 91B Marage 91 Monch 91 Odyniec 91B Perepelitsa 61 Procario 91 Pust 91 Tyapkin 91 Alvarez 90D Bai 90C Berger 90B Feindt 90 Perepelitsa 90 Yuldashev 90D $\mu^- \mu^+$ Baglin 91D Odyniec 91 Schukraft 91 Schellman 94	Procario 92B Abramov 91 Aguilarbenit 91 Albrecht 91J Amaudruz 91F Apsimon 91B Armstrong 91C Aston 91 Bityukov 91B Chen 91 Condo 91 Decamp 91H Fukui 91 Hofmann 91 Ronan 91 Walker 91 Zomer 91 Zomer 91B Albrecht 90M Behrend 90C Behrend 90F Bisello 90B Bityukov 90 Bannikov 88	
$f_0(700)$				
$\pi^+ \pi^-$	Bisello 91C Bisello 91B			
ρ				
Masera 95 Albrecht 93B Besson 93B Deangelis 93 Suzuki 93 Antonelli 92 Baglin 92B Burchell 92 Ferreira 92 Mazzoni 92 Alvarez 91 Bisello 91C Gittelman 91 Behrend 90E				
2π	Albrecht 91C			
ρ^\pm				
	Bishai 95B			
ρ^+				
	Akers 95B Asner 95 Buskulic 95K Buskulic 95P Gibbons 95B Kodama 95 Raab 95 Ableev 94 Akers 94P Amsler 94B Buskulic 94 Buskulic 94J Golutvin 94 Payne 94 White 94B Zenoni 94 Alexander 93B Jones 93C Kirsch 93 Kroha 93 Muheim 93B Abreu 92B Albrecht 92I Buskulic 92J Willocq 92 Willocq 92B Achasov 91 Albrecht 91N Amsler 91 Appel 91 Daoudi 91 Decamp 91M Donnachie 91 Gittelman 91 Monch 91 Bisello 90B	Abreu 95E Adams 95G Adler 95F Aid 95F Amelin 95B Anisovich 95 Asner 95 Conrad 95 Frabetti 95D Levy 95 Lohr 95 Victorov 95B Ableev 94 Alam 94C Albrecht 94J Danilov 94 Derrick 94 Eigen 94 Freyberger 94 Gaspero 94 Golutvin 94 Haas 94 Semenov 94 Zaitsev 94 Zenoni 94 Adriani 93K Albrecht 93 Alde 93 Alexander 93B Antipov 93B Bogolyubsky 93 Breakstone 93 Condo 93 Jones 93C Kroha 93 Kwan 93 Levonian 93 Stone 93 Suzuki 93 Svec 93B Ting 93 Weidenauer 93 Abreu 92J Albrecht 92 Alexander 92 Drell 92B Nuttall 92 Schmidt 92B Shukla 92B Achasov 91 Albrecht 91I Ammar 91B Amsler 91 Anjos 91 Armstrong 91 Bortoletto 91 Brovkin 91B Brovkin 91C Daoudi 91	Aid 96 Aid 96C Freyberger 96 Antinori 95 Arneodo 95D Belogianni 95 Bishai 95B Bourdon 95 Derrick 95L Frabetti 95B Zaetz 95 Abatzis 94D Abreu 94Q Albrecht 94B Albrecht 94G Amelin 94 Arneodo 94B Aston 94 Barreiro 94 Bartelt 94 Burov 94 Castro 94 Condo 94 Fang 94 Feltesse 94 Frabetti 94D Gibaut 94B Girone 94 Kotwal 94B Kriznic 94 Landsberg 94C Minaenko 94 Abramowicz 93 Albrecht 93B Belogianni 93C Besson 93B Fang 93 Kodama 93C Kubota 93 Rensing 93 Adamo 92B Adamo 92C Ajinenko 92 Albrecht 92F Albrecht 92G Albrecht 92M Ammosov 92B Anjos 92C Anjos 92D Apsimon 92B Armstrong 92H Bean 92B Benayoun 92 Coffman 92B Feindt 92C Frabetti 92B Gaspero 92 Kroha 92B Lafferty 92 Palano 92	$\omega \pi^0$ Amsler 93C
$\pi^+ \pi^0$	Abreu 95T Bourdon 95 Gibaut 95 Albrecht 94Q Amsler 94 Bonivento 94	$\pi^+ \pi^-$ Aid 96 Aid 96C Freyberger 96 Antinori 95 Arneodo 95D Belogianni 95 Bishai 95B Bourdon 95 Derrick 95L Frabetti 95B Zaetz 95 Abatzis 94D Abreu 94Q Albrecht 94B Albrecht 94G Amelin 94 Arneodo 94B Aston 94 Barreiro 94 Bartelt 94 Burov 94 Castro 94 Condo 94 Fang 94 Feltesse 94 Frabetti 94D Gibaut 94B Girone 94 Kotwal 94B Kriznic 94 Landsberg 94C Minaenko 94 Abramowicz 93 Albrecht 93B Belogianni 93C Besson 93B Fang 93 Kodama 93C Kubota 93 Rensing 93 Adamo 92B Adamo 92C Ajinenko 92 Albrecht 92F Albrecht 92G Albrecht 92M Ammosov 92B Anjos 92C Anjos 92D Apsimon 92B Armstrong 92H Bean 92B Benayoun 92 Coffman 92B Feindt 92C Frabetti 92B Gaspero 92 Kroha 92B Lafferty 92 Palano 92	ρ^- Akers 95B Asner 95 Bishai 95B Buskulic 95K Buskulic 95P Gibbons 95B Kodama 95 Raab 95 Ableev 94 Akers 94P Amsler 94B Athanas 94 Buskulic 94 Buskulic 94J Golutvin 94 Payne 94 White 94B Zenoni 94 Adriani 93B Albrecht 93B Alexander 93B Besson 93B Buskulic 93B Jones 93C Kirsch 93 Kroha 93 Stone 93 Suzuki 93 Ting 93 Abreu 92B Adriani 92H Buskulic 92J Dam 92 Seywerd 92 Willocq 92 Willocq 92B Achasov 91 Albrecht 91N Amsler 91 Appel 91 Bortoletto 91 Decamp 91M Donnachie 91 Kiesling 91 Marage 91 Monch 91 Stoker 91 Berger 90B Bisello 90B	$\pi^0 \pi^-$ Abreu 95T Bourdon 95 Gibaut 95 Ableev 94E Acciarri 94F

ρ^-

$a_0(980)$

ρ^-	ω	η'	η'	
Albrecht 94Q Amsler 94 Bonivento 94 Brient 94 Castro 94 Girone 94 Gomezycadena 94 Kriznic 94 Strassburger 94 Browder 93 Cattaneo 93 Fernandez 93 Albrecht 92I Armstrong 92H Bean 92B Kroha 92B Lafferty 92 Aguliarbenit 91 Chen 91 Decamp 91H Zomer 91 Zomer 91B	$\pi^+ \pi^-$ $\eta \gamma$ $\eta \pi^0$ 3γ $2\pi^0 \gamma$ $3\pi^0$ $\pi^+ \pi^0 \pi^-$	Amsler 94B Amsler 94C Amsler 94E Amsler 94F Amsler 94J Danilov 94 Donskov 94 Kurshetsov 94 Landsberg 94 Ravndal 94 Sadovsky 94 Amsler 93C Amsler 93D Alde 92 Balatz 92 Landsberg 92 Alde 91G Samoylenko 41 Aston 94 Sapozhnikov 94 Walker 91 Donskov 94 Sadovsky 94 Alde 93 Alde 94 Alde 94 Alde 94 Freyberger 96 Albrecht 95G Balest 95 Bishai 95B Bourdon 95 Ableev 94D Ableev 94G Albrecht 94B Albrecht 94G Albrecht 94J Amsler 94 Burow 94 Castro 94 Fan 94B Gaspero 94 Girone 94 Kriznic 94 Kurshetsov 94 Landsberg 94C Lucherini 94 Shevchenko 94 Albrecht 93B Aston 93 Besson 93B Kubota 93 Rensing 93 Weidenauer 93 Albrecht 92G Aleshin 92C Armstrong 92H Aston 92B Bean 92B Brovkin 92 Kroha 92B Lafferty 92 Aguliarbenit 91 Albrecht 91C Amsler 91 Amsler 91B Bisello 91B Bityukov 91D Jin 91 Behrend 90C Bisello 90B Boos 90B	Amsler 94B Amsler 94J Cattaneo 93 Deangelis 93 Muheim 93B Stone 93 Burchell 92 Alde 91F Decamp 91M Dydak 91 Gittelman 91 Kodama 93E Amsler 95G Amsler 94C Amsler 94I Adriani 93K Amsler 93 Amsler 93D Benayoun 92 Feindt 92C Alde 91B Alde 91C Alde 91E Karch 91C Landsberg 90 Alvarez 91 Behrend 90E Adriani 93K Albrecht 92G Alexander 92 Benayoun 92 Feindt 92C Procario 92B Albrecht 91J Anjos 91 Armstrong 91C Bityukov 91B Daoudi 91 Procario 91 Bityukov 90 Benayoun 92 Feindt 92C Amsler 91 Landsberg 90 Akhmetshin 95B Amsler 93 Amsler 92C Procario 92B Alde 91E Karch 91B Karch 91C Brandenburg 95 Golovkin 95 Achasov 94 Gibaut 94B Kurshetsov 94 Shevchenko 94 Zaitsev 94 Alexander 93B Berdnikov 93 Kodama 93B Albrecht 92S Alexander 92 Avery 92 Beladidze 92 Berdnikov 92B Bolton 92 Buskulic 92D Procario 92B Amsler 91 Anjos 91 Armstrong 91E Bityukov 91	Bityukov 91C Daoudi 91 Procario 91 Behrend 90E $\rho^0 \eta \gamma$ Alexander 93B $\pi^+ \pi^- 2\gamma$ Behrend 90E $2\pi^+ \pi^0 2\pi^- + 2\pi^+ 2\pi^- \gamma$ Behrend 90E 10γ Karch 91 Karch 91C $f_0(975)$ Amelin 95B Zaitsev 94 Deangelis 93 Muheim 93B Ting 93 Abreu 92J Karch 91 Karch 91B 2γ Bienlein 91 $2\pi^0$ Amsler 95 Anisovich 95 Ishida 95 Alde 94B Amsler 94J Armstrong 94 Ravndal 94 Singovsky 94 Spanier 94 Strassburger 94 Amsler 91B Bienlein 91 Feindt 90 $\pi^+ \pi^-$ Akhmetshin 95B Belogianni 95 Frabetti 95 Gardner 95 Abreu 94Q Berdnikov 94 Berdnikov 94B Fan 94B Frabetti 94D Kirk 94 Albrecht 93 Albrecht 92S Anjos 92D Apsimon 92B Gaspero 92 Lafferty 92 Palano 92 Aguliarbenit 91 Armstrong 91 Feindt 90 $K^0 \bar{K}^0$ Palano 92 $K^+ K^-$ Frabetti 95 Gardner 95 Rohde 93 Palano 92 Armstrong 91 $2K_S$ Armstrong 91 $a_0(980)$ $\eta \pi$ Bolton 92 Armstrong 91E $\eta \pi^0$ Alde 95B Donskov 95
X $3\gamma X$ $\mu^- \mu^+$ $\pi^0 \gamma$	η'	Amelin 95C Alam 94C		
Balatz 92 Dolgolenko 92 Baglin 91D Odyniec 91 Schukraft 91 Amsler 95G Vavilov 95C				

Entries in order of particle name, then decay. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). See the legend on page 331.

$a_0(980)^+$ $a_2(1320)^+$

$a_0(980)^+$	Armstrong 91E	$f_0(1240)$	Bienlein 92 Bienlein 91	$f_2(1270)$	Adler 95F Anisovich 95 Yabuki 94 Achasov 93 Breakstone 93 Deangelis 93 Ting 93 Peters 92 Amsler 91 Armstrong 91 Brovkin 91B Karch 91B Perepelitsa 91 Perepelitsa 90	$f_2(1270)$	$K^+ K^-$ Zaitsev 94 $2K_S$ Baloshin 95
$\eta \pi^+$	Amsler 95F Fukui 91	$a_1(1260)$	Bisello 91C	2γ	Behrend 92 Tsuboyama 92 Bienlein 91 Blinov 91B Harjes 91 Harjes 91B	$f_1(1285)$	$\rho^0 \gamma$ Lee 94
$K^+ A^0$	Bertin 95	$\rho \pi$	Albrecht 93B Besson 93B	$2\pi^0$	Anisovich 95 Ishida 95 Kondashov 95 Amsler 94B Amsler 94E Amsler 94J Anisovich 94 Armstrong 94 Kondashov 94 Ravndal 94 Sadovsky 94 Singovsky 94 Strassburger 94 Achasov 93 Amsler 93C Bienlein 92 Aker 91 Bienlein 91 Karch 91 Feindt 90	$\rho^0 \pi^+$	$a_0(980) \pi$ Bolton 92 $a_0(980) \pi^0$ Amsler 94E $a_0(980)^+ \pi^-$ Fukui 91 $a_0(980)^0 \pi^0$ Donskov 95 $a_0(980)^- \pi^+$ Fukui 91 $\phi(1020) \gamma$ Amelin 94 $\eta \pi^+ \pi^-$ Amelin 94 Zaitsev 94 Palano 92 Armstrong 91E
$K^+ \bar{K}^0$	Rohde 93	$\pi^+ \pi^0 \pi^-$	Palano 92	$\pi^+ \pi^-$	Antinori 95 Belogianni 95 Abatzis 94D Ableev 94 Abreu 94Q Aston 94 Belogianni 94 Berdnikov 94B Frabetti 94D Landsberg 94C Achasov 93 Albrecht 93 Belogianni 93B Belogianni 93C Rensing 93 Abreu 92J Adamo 92B Adamo 92C Apsimon 92B Lafferty 92 Palano 92 Tsuboyama 92 Abramov 91 Aguilarbenit 91 Aston 91 Condo 91 Fiedler 91 Harjes 91B Jin 91 Jones 91 Walker 91 Feindt 90	$\rho^0 \pi^-$	$a_0(980)^+ \pi^-$ Bienlein 91 $a_0(980)^0 \pi^0$ Fukui 91 $a_0(980)^- \pi^+$ Donskov 95 Fukui 91
$K^+ K_S$	Amsler 91	$a_1(1260)^+$	Buskulic 95K Buskulic 95P Raab 95 Wormser 94	2η	Anisovich 95 Anisovich 94 Anisovich 91 Anisovich 91 Karch 91C	$a_2(1320)$	$\eta \pi$ Karch 91 Feindt 90 $\eta \pi^0$ Armstrong 91E $\pi^+ \pi^0 \pi^-$ Alde 95B Donskov 95 Palano 92
$a_0(980)^0$	Alde 95B Donskov 95 Karch 91B	$a_1(1260)^+$	Buskulic 95K Buskulic 95P Raab 95 Wormser 94	$\rho^+ \pi^-$	Anisovich 95 Anisovich 94 Anisovich 91 Anisovich 91 Karch 91C	$a_2(1320)^+$	Coffman 92B Amsler 91
$\eta \pi^0$	Amsler 95F Anisovich 95 Donskov 95 Amsler 94B Amsler 94E Amsler 94F Amsler 94H Amsler 94J Armstrong 94 Ravndal 94 Spanier 94 Palano 92 Amsler 91B Karch 91C Feindt 90	$\rho^+ \pi^0$	Alvarez 90D	$2\pi^0$	Abreu 95T Abreu 94I Akers 94P Buskulic 94J		
$\eta \pi^0$	Amsler 95F Anisovich 95 Donskov 95 Amsler 94B Amsler 94E Amsler 94F Amsler 94H Amsler 94J Armstrong 94 Ravndal 94 Spanier 94 Palano 92 Amsler 91B Karch 91C Feindt 90	$\rho^0 \pi^+$	Bishai 95B Anjos 92D Coffman 92B	$2\pi^0$	Akers 94P Buskulic 94J		
$a_0(980)^-$	Amelin 95C Amsler 91 Armstrong 91E	$f_0(975) \pi^+$	Anjos 92D	$2\pi^+ \pi^-$	Abreu 95T Abreu 94I Akers 94P Buskulic 94J Gomezycadena 94 Cattaneo 93 Fernandez 93 Brovkin 91B		
$\eta \pi^-$	Amsler 95F Aoyagi 93 Fukui 91 Matsuda 91	$\pi^+ 2\pi^0$	Akers 94P Buskulic 94J		Abreu 95T Abreu 94I Akers 94P Buskulic 94J Gomezycadena 94 Cattaneo 93 Fernandez 93 Brovkin 91B		
$K^0 K^-$	Bertin 95	$2\pi^+ \pi^-$	Abreu 95T Abreu 94I Akers 94P Buskulic 94J		Abreu 95T Abreu 94I Akers 94P Buskulic 94J Gomezycadena 94 Cattaneo 93 Fernandez 93 Brovkin 91B		
$h_1(1170)$		$a_1(1260)^0$	Albrecht 93B Besson 93B Coffman 92B		Abreu 95T Abreu 94I Akers 94P Buskulic 94J Gomezycadena 94 Cattaneo 93 Fernandez 93 Brovkin 91B		
$\pi^+ \pi^0 \pi^-$	Ando 90	$\pi^+ \pi^0 \pi^-$	Ando 90		Abreu 95E Buskulic 95K Buskulic 95P Raab 95 Athanas 94 Wormser 94 Adriani 93B Albrecht 93B Besson 93B Kirsch 93 Adriani 92H		
$b_1(1235)$	$\omega \pi^0$	$a_1(1260)^-$	Abreu 95E Buskulic 95K Buskulic 95P Raab 95		Bishai 95B Albrecht 92F Albrecht 92M Decamp 91H Marage 91 Zomer 91 Zomer 91B		
$b_1(1235)^+$	$\omega \pi^+$	$\rho^0 \pi^-$	Bishai 95B Albrecht 92F Albrecht 92M Decamp 91H Marage 91 Zomer 91 Zomer 91B		Bishai 95B Albrecht 92F Albrecht 92M Decamp 91H Marage 91 Zomer 91 Zomer 91B		
$b_1(1235)^0$	$\omega \pi^0$	$\rho^- \pi^0$	Marage 91		Bishai 95B Albrecht 92F Albrecht 92M Decamp 91H Marage 91 Zomer 91 Zomer 91B		
$\phi(1020) \pi^0$	Kinashi 91 Amsler 94B Amsler 94E Amsler 94F Amsler 94J Amsler 93C Alde 92 Landsberg 92 Landsberg 92B Victorov 95	$K^*(892)^- K^0$	Bolonkin 95		Bishai 95B Albrecht 92F Albrecht 92M Decamp 91H Marage 91 Zomer 91 Zomer 91B		
$b_1(1235)^-$	Weidenauer 93 Amsler 91	$2\pi^0 \pi^-$	Akers 94P Buskulic 94J		Bishai 95B Albrecht 92F Albrecht 92M Decamp 91H Marage 91 Zomer 91 Zomer 91B		
$f_0(1240)$	Karch 91	nonres $< \pi^+ 2\pi^- >$	Albrecht 92M		Bishai 95B Albrecht 92F Albrecht 92M Decamp 91H Marage 91 Zomer 91 Zomer 91B		
2γ	Bienlein 91	$\pi^+ 2\pi^-$	Abreu 95T Abreu 94I Acciari 94F Akers 94P Buskulic 94J Gomezycadena 94 Cattaneo 93 Fernandez 93 Stone 93		Bishai 95B Albrecht 92F Albrecht 92M Decamp 91H Marage 91 Zomer 91 Zomer 91B		
$2\pi^0$	Armstrong 94				Bishai 95B Albrecht 92F Albrecht 92M Decamp 91H Marage 91 Zomer 91 Zomer 91B		

$a_2(1320)^+$

$\pi_2(1670)$

<p>$a_2(1320)^+$</p> <p>$\rho^0 \pi^+$ Armstrong 91E Antinori 95 Abatzis 94D Condo 93 Anjos 92D</p> <p>$f_0(975) \pi^+$ Anjos 92D</p> <p>$2\pi^+ \pi^-$ Brovkin 91B</p>	<p>$f_0(1400)$</p> <p>2η Amsler 95H Anisovich 95 Anisovich 94 Amsler 91B</p> <p>$2\rho^0$ Gaspero 92</p> <p>$\rho^+ \rho^-$ Amsler 94B</p> <p>$2f_0(975)$ Gaspero 92</p> <p>$K^0 \bar{K}^0$ Feindt 90</p> <p>$K^+ K^-$ Feindt 90</p> <p>$2(\pi\pi)_{L=0}$ Amsler 94B Gaspero 94 Gaspero 92B</p> <p>$2\pi^+ 2\pi^-$ Gaspero 94 Gaspero 92B</p>	<p>$\eta(1440)$</p> <p>$\eta 2\pi$ Burchell 92</p> <p>$\eta 2\pi^0$ Amsler 95F</p> <p>$\eta \pi^+ \pi^-$ Amsler 95F</p> <p>$K \bar{K} \pi$ Burchell 92</p> <p>$K^+ \bar{K}^0 \pi^-$ Bertin 95</p> <p>$K^0 K^- \pi^+$ Bertin 95</p>	<p>$f_0(1525)$</p> <p>$\eta' \eta$ Amsler 95E Amsler 95H Anisovich 95 Anisovich 94</p> <p>$K^0 \bar{K}^0$ Amelin 95C Amsler 94I</p> <p>$K^+ K^-$ Feindt 90 Feindt 90</p>
<p>$a_2(1320)^0$</p> <p>$\eta \pi^0$ Alde 95B Donskov 95 Karch 91B Amsler 94B Amsler 94E Amsler 94F Armstrong 94 Prokoshkin 94 Ravndal 94 Palano 92 Amsler 91B Karch 91C Feindt 90</p> <p>$\rho^+ \pi^-$ Kriznic 94 Lafferty 92</p> <p>$\rho^- \pi^+$ Kriznic 94 Lafferty 92</p> <p>$\eta' \pi^0$ Alde 91E</p> <p>$\pi^+ \pi^0 \pi^-$ Amelin 95</p>	<p>$K^0 \bar{K}^0$ Feindt 90</p> <p>$K^+ K^-$ Feindt 90</p> <p>$2(\pi\pi)_{L=0}$ Amsler 94B Gaspero 94 Gaspero 92B</p> <p>$2\pi^+ 2\pi^-$ Gaspero 94 Gaspero 92B</p>	<p>$\rho(1450)$</p> <p>$\omega \pi^0$ Bisello 91C Amsler 93C Kirk 94</p> <p>$2\pi^+ 2\pi^-$ Kirk 94</p>	<p>$f_2'(1525)$</p> <p>2γ Harjes 91 Harjes 91B</p> <p>$\pi^+ \pi^-$ Armstrong 91 Harjes 91B</p> <p>2η Anisovich 95 Anisovich 94 Sadovsky 94 Singovsky 94 Palano 92</p> <p>$K^0 \bar{K}^0$ Feindt 90</p> <p>$K^+ K^-$ Palano 92 Armstrong 91 Jin 91 Feindt 90</p> <p>$2K_S$ Acciarri 95O Baloshin 95 Palano 92</p>
<p>$a_2(1320)^-$</p> <p>$\eta \pi^-$ Amsler 91 Armstrong 91E Achasov 94 Aoyagi 94 Zaitsev 94 Aoyagi 93 Berdnikov 93 Aleshin 92B Aleshin 92C Bitiyukov 91C Matsuda 91</p> <p>$\rho^0 \pi^-$ Antinori 95 Abatzis 94D</p> <p>$\eta' \pi^-$ Achasov 94 Zaitsev 94 Berdnikov 93 Bitiyukov 91C</p> <p>$\pi^+ 2\pi^-$ Zaitsev 94</p>	<p>$f_1(1420)$</p> <p>$\rho^0 \gamma$ Palano 92</p> <p>$a_0(980)^+ \pi^-$ Amsler 91</p> <p>$a_0(980)^- \pi^+$ Amsler 91</p> <p>$K^*(892)^+ K^-$ Armstrong 92</p> <p>$K^*(892)^- K^+$ Armstrong 92</p> <p>$\eta \pi^+ \pi^-$ Palano 92 Armstrong 91E</p> <p>$K^+ K_S \pi^-$ Palano 92</p> <p>$K_S K^- \pi^+$ Palano 92</p> <p>$K^+ K_L \pi^-$ Gastaldi 91</p> <p>$K_L K^- \pi^+$ Gastaldi 91</p> <p>$2\pi^+ 2\pi^-$ Palano 92</p>	<p>$\rho(1450)^0$</p> <p>$\pi^+ \pi^-$ Amsler 93C Castro 94 Aston 91C</p> <p>$\omega \pi^0$ Amsler 94B Sadovsky 94 Donnachie 91 Kinashi 91 Fukui 90</p> <p>$\eta \pi^+ \pi^-$ Castro 94</p> <p>$\rho^0 \pi^+ \pi^-$ Antinori 95</p>	<p>$f_0(1590)$</p> <p>2γ Bienlein 91 Harjes 91 Harjes 91B</p> <p>$\pi^+ \pi^-$ Harjes 91B</p> <p>2η Sadovsky 94 Singovsky 94 Beladidze 92 Burchell 92 Hertzog 92 Palano 92 Amsler 91B Hertzog 92 Bienlein 91 Karch 91C Feindt 90 Prokoshkin 90</p> <p>$\eta' \eta$ Beladidze 92 Burchell 92 Bienlein 91</p> <p>$4\pi^0$ Burchell 92</p>
<p>$h_1(1380)$</p> <p>$\omega \eta$ Amsler 94F</p>	<p>$\omega(1420)$</p> <p>$\rho^+ \pi^-$ Castro 94 Donnachie 91</p> <p>$\rho^0 \pi^0$ Castro 94 Donnachie 91</p> <p>$\rho^- \pi^+$ Castro 94 Donnachie 91</p> <p>$\omega \eta$ Amsler 94B Amsler 94F</p>	<p>$\rho(1450)^-$</p> <p>$\pi^0 \pi^-$ Strassburger 94</p> <p>$\omega \pi^-$ Donnachie 91</p>	<p>$\omega(1600)$</p> <p>$\omega \eta$ Amsler 94B Amsler 94F</p> <p>$\omega \pi^+ \pi^-$ Castro 94</p>
<p>$f_0(1400)$</p> <p>$2\pi^0$ Zaitsev 94 Breakstone 93 Karch 91B Amsler 95 Anisovich 95 Anisovich 94 Strassburger 94 Feindt 90</p> <p>$\pi^+ \pi^-$ Berdnikov 94 Frabetti 94D Albrecht 93 Bolton 92 Palano 92 Feindt 90</p>	<p>$\eta(1440)$</p> <p>$\rho \gamma$ Burchell 92</p> <p>$a_0(980)^+ \pi^-$ Amsler 95F Bertin 95 Fukui 91</p> <p>$a_0(980)^0 \pi^0$ Amsler 95F Donskov 95</p> <p>$a_0(980)^- \pi^+$ Amsler 95F Bertin 95 Fukui 91</p> <p>$K^*(892)^+ K^-$ Bertin 95</p> <p>$K^*(892)^- K^+$ Bertin 95</p>	<p>$f_2(1520)$</p> <p>2γ Amsler 91</p> <p>$2\pi^0$ Harjes 91</p> <p>2η Amsler 95 Armstrong 94 Strassburger 94 Armstrong 93B Burchell 92 Hertzog 92 Aker 91 Amsler 91B</p> <p>$\pi^+ \pi^-$ Hertzog 92 Gastaldi 91 Feindt 90</p> <p>2η Prokoshkin 90</p> <p>$2\rho^0$ Weidenauer 93</p> <p>$K^+ K^-$ Gastaldi 91 Prokoshkin 90</p> <p>$2K_S$ Prokoshkin 90</p> <p>$K \bar{K} \pi$ Burchell 92</p> <p>$2\pi^+ 2\pi^-$ Weidenauer 93 Hertzog 92</p>	<p>$f_2(1640)$</p> <p>2ω Amsler 94E Bitiyukov 91D</p>
		<p>$f_0(1525)$</p> <p>$2\pi^0$ Amsler 95E Anisovich 95 Anisovich 94 Strassburger 94</p> <p>$\pi^+ \pi^-$ Antinori 95</p> <p>2η Amelin 95C</p>	<p>$\omega_3(1670)$</p> <p>$\pi^+ \pi^0 \pi^-$ Amelin 95</p> <p>$\pi_2(1670)$</p> <p>$\rho^+ \pi^-$ Lafferty 92</p> <p>$\rho^- \pi^+$ Lafferty 92</p>

Entries in order of particle name, then decay. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). See the legend on page 331.

$\pi_2(1670)$

$\pi_2(1670)$	$f_J(1710)$	$X(1910)$	$f_0(2510)$
$f_2(1270) \pi^0$ Karch 91	$\rho^0 \pi^+ \pi^-$ Prokoshkin 90	$2\pi^0$ Sadovsky 94	$2\pi^0$ Sadovsky 94
6γ Karch 91	Breakstone 93	2η Alde 91C	$X(3250)$ Aleev 93B
$\pi_2(1670)^+$	$X(1740)$	2ω Amsler 94E Bityukov 91D	strange Barmin 94B Ali 93 Ammosov 92B
$\rho^0 \pi^+$ Condo 91	$2\pi^0$ Alde 91B Alde 91F	$\eta' \eta$ Alde 91C	K^+
$f_2(1270) \pi^+$ Condo 91	2η Kulik 94 Sadovsky 94 Alde 91B Alde 91F	$2\eta'$ Berdnikov 92B	$\mu^+ \nu_\mu$ Koptev 95 Aoki 94 Imazato 92 Imazato 92B Usher 92
$\pi_2(1670)^0$	$\eta' \eta$ Alde 91B Alde 91F	$f_2(1920)$	$e^+ \text{ heavy-}\nu$ Baranov 92
$\rho^+ \pi^-$ Lafferty 92 Karch 91	$2K_S$ Kulik 94 Sadovsky 94	$a_2(1320)^+ \pi^-$ Antinori 95	$\mu^+ \text{ heavy-}\nu$ Baranov 92 Imazato 92B
$\rho^- \pi^+$ Kriznic 94	$X(1750)^-$	$a_2(1320)^- \pi^+$ Antinori 95	$\pi^+ \text{ unspec}$ Adler 95B Atiya 93 Atiya 92
$3\pi^0$ Kriznic 94 Karch 91C	$f_0(975) \pi^-$ Zaitsev 94	$X(1950)$	$\pi^+ \text{ neutral}$ Littenberg 93 Ritchie 93
$\pi_2(1670)^-$	$f_0(1400) \pi^-$ Zaitsev 94	$2\pi^+ 2\pi^-$ Kirk 94	$\pi^+ \text{ longlived}$ Battiston 92
$\rho^0 \pi^-$ Condo 91	$K^+ K^- \pi^-$ Zaitsev 94	$a_4(2040)^0$	$\pi^+ \gamma$ Imazato 92B
$f_2(1270) \pi^-$ Zaitsev 94 Condo 91	$\pi(1770)^-$	$\eta \pi^0$ Alde 95 Armstrong 94	$\pi^+ \text{ axion}$ Imazato 92B
$\rho_3(1690)$	$\rho^0 \pi^-$ Amelin 95B	$f_4(2050)$	$\pi^+ \text{ meson}^0$ Alliegro 92
$\omega \pi^0$ Alde 91G	$f_0(975) \pi^-$ Amelin 95B Berdnikov 94 Berdnikov 94B	$2\pi^0$ Kondashov 95 Armstrong 94 Hasan 94 Sadovsky 94	$\pi^+ \pi^0$ Deshpande 93 Atiya 92B Usher 92 Atiya 91B
$\rho_3(1690)^0$	$a_0(980)^- \eta$ Amelin 95C	$\pi^+ \pi^-$ Hasan 94	$\mu^+ \nu_\mu \gamma$ Kuno 94
$\pi^+ \pi^-$ Anisovich 95 Perepelitsa 91 Perepelitsa 90	$f_0(1400) \pi^-$ Berdnikov 94	2ω Bityukov 91D	$\mu^+ \text{ heavy-}\nu \gamma$ Imazato 92B
2η Aston 94	$f_0(1525) \pi^-$ Amelin 95C	$\rho(2110)^0$	$\pi^+ \nu \bar{\nu}$ Adler 95B Atiya 93 Littenberg 93 Ritchie 93 Atiya 92 Drell 92B Imazato 92B Kuno 92 Atiya 91
$\omega \pi^0$ Landsberg 90	$K^*(892)^0 K^-$ Berdnikov 94B	$\omega \pi^0$ Sadovsky 94 Alde 92 Landsberg 92 Landsberg 92B	$\pi^0 e^+ \nu$ Velev 93
$\pi^+ \pi^-$ Alde 94C Landsberg 94 Sadovsky 94 Alde 92 Landsberg 92 Landsberg 92B	$\pi^+ 2\pi^-$ Amelin 95B Amelin 95C	$f_2(2150)$	$\pi^+ e^- e^+$ Deshpande 93 Littenberg 93 Alliegro 92
$\rho(1700)^0$	$2\eta \pi^-$ Amelin 95C Bityukov 91	2η Sadovsky 94 Singovsky 94	$\pi^0 e^+ \nu_e$ Kuno 94 Akimenko 91
$\pi^+ \pi^-$ Castro 94	$\eta' \eta \pi^-$ Beladidze 92 Bityukov 91	$\rho(2150)^0$	$\pi^+ \mu^+ e^-$ Littenberg 93 Ritchie 93 Drell 92B
$\omega \pi^0$ Sadovsky 94	$K^+ K^- \pi^-$ Berdnikov 94 Berdnikov 94B	$\omega \pi^0$ Alde 94C Landsberg 94	$\pi^- \mu^+ e^+$ Littenberg 91
$\eta \pi^+ \pi^-$ Castro 94	$f_2(1810)$	$X(2200)$	$\pi^+ \mu^- \mu^+$ Littenberg 93 Ritchie 93
$\rho^0 \pi^+ \pi^-$ Behrend 90F	2γ Harjes 91B	2η Fan 94 Fan 94B Feindt 90	$\pi^0 \mu^+ \nu_\mu$ Kuno 94 Imazato 92B
$f_J(1710)$	$2\pi^0$ Kondashov 95 Sadovsky 94 Aker 91	$K^+ K^-$ Fan 94 Fan 94B Jin 91	$\pi^- 2\mu^+$ Littenberg 91
2γ Harjes 91	$\pi^+ \pi^-$ Harjes 91B	$2K_S$ Fan 94 Fan 94B	$\pi^+ 2\gamma$ Imazato 92B
2π Burchell 92	$\eta 2\pi^0$ Bienlein 92	$f_4(2220)$	
$\pi^+ \pi^-$ Armstrong 91	$X(1814)^-$	$2K_S$ Barnes 93	
2η Armstrong 94 Burchell 92 Karch 91C Feindt 90 Prokoshkin 90	$f_0(1590) \pi^-$ Beladidze 92	$2\phi(1020)$ Hertzog 92	
$K^0 \bar{K}^0$ Feindt 90	$2\eta \pi^-$ Bityukov 91	$\rho_5(2350)^0$	
$K^+ K^-$ Frabetti 95 Gardner 95 Palano 92 Armstrong 91 Jin 91 Feindt 90 Prokoshkin 90	$\eta' \eta \pi^-$ Bityukov 91	$\omega \pi^0$ Alde 94C Landsberg 94 Sadovsky 94	
$2K_S$ Palano 92	$\eta_2(1870)$		
	$\eta 2\pi^0$ Bienlein 92 Karch 91B		

K^+

K_L

K^+	K^-	K_S	K_L
$\pi^+ \pi^0 \gamma$ Battiston 92 $2\pi^+ \pi^-$ Abatzis 95B Bocquet 95 Bocquet 95B $\pi^+ e^- e^+ \gamma$ Deshpande 93 $\pi^0 e^+ \nu_e \gamma$ Barmin 90 $\pi^+ 3\gamma$ Imazato 92B $\pi^+ 2\pi^0 \gamma$ Battiston 92 $2\pi^+ \pi^- \gamma$ Battiston 92 $2\pi^0 e^+ \nu_e \gamma$ Barmin 91 $3\pi^0 e^+ \nu_e$ Barmin 91	$\pi^0 \mu^- \bar{\nu}_\mu$ Artemov 95 $\pi^+ 2\pi^-$ Abatzis 95B Bocquet 95 Bocquet 95B K_S $e^- e^+$ Blick 94 2charged Bocquet 95 Bocquet 95B 2hadron Aderholz 92 2γ Barr 95B Littenberg 93 Battiston 92 $\pi^+ \pi$ Derrick 95H Castro 94 Ehrlich 94 $2\pi^0$ Amsler 95C Barr 95B Gibbons 95C Amsler 94J Blick 94 Faessler 94 Felix 94 Kulik 94 Sadovsky 94 Amsler 93B Barr 93 Barr 93B Hsiung 92 Perdereau 92 Barker 91 Iconomidoufa 91 Kleinknecht 91 Schwiening 91 Winstein 91 $\pi^+ \pi^-$ Freyberger 96 Abe 95N Abreu 95Q Acciarri 95O Akers 95J Akhmetshin 95 Akhmetshin 95B Albrecht 95C Ammar 95 Baloshin 95 Bartelt 95 Fujino 95 Gibaut 95 Gibbons 95C Papadimitrio 95 Skarha 95 Stocker 95 Abreu 94C Abreu 94Q Adler 94B Akers 94I Akers 94P Alam 94B Albrecht 94M Albrecht 94S Asratyan 94 Bai 94 Bai 94B Baird 94 Blick 94 Buskulic 94M Deprosopo 94 Edwards 94 Enomoto 94B Fan 94 Fan 94B Frabetti 94J Garbincius 94 Gutierrez 94 Hartouni 94 Hsiung 94	Maur 94 Moroni 94 Smith 94 Spengler 94 Thomson 94 Adriani 93K Alam 93 Albrecht 93F Andersen 93 Barnes 93 Barr 93B Buskulic 93H Crawford 93 Eiseman 93 Longacre 93 Procario 93 Acton 92N Acton 92O Adamovich 92 Adams 92 Akimenko 92B Andersen 92B Andersen 92C Andryakov 92 Anjos 92 Botterweck 92 Brick 92 Buskulic 92H Coc 92 Dolgolenko 92 Eiseman 92B Evans 92 Frabetti 92B Hsiung 92 Maringer 92 Perdereau 92 Ramberg 92 Abreu 91O Alexander 91E Baker 91 Barker 91 Iconomidoufa 91 Kinson 91 Kleinknecht 91 Schwiening 91 Willocq 91 Winstein 91 Bloomer 90 Derado 90B Yuldashev 90B $\pi^0 e^- e^+$ Barr 93 Littenberg 93 Battiston 92 $\pi^+ \pi^- \gamma$ Akhmetshin 95B Matthews 95B Battiston 92 Ramberg 92 Ramberg 92B Barker 91 Ramberg 91 $\pi^+ \pi^0 \pi^-$ Adler 96B Adler 94B Thomson 94 Zou 94 K_L Akhmetshin 95 Amsler 95C Bolonkin 95 Ableev 94B Amsler 94B Amsler 94J Bertolotto 94 Buskulic 94F Buskulic 94M Danilov 94 Felix 94 Amsler 93B Buskulic 93H Geer 93 Amsler 91B	$e^- e^+ X$ Akagi 92 2neutral (neutrals) Faessler 94 $e^- e^+$ Akagi 94 Arisaka 93B Littenberg 93 Ritchie 93 Battiston 92 Drell 92B Imazato 92B Inagaki 91 $\mu^- e^+$ Akagi 94 Littenberg 93 Ritchie 93 $\mu^- e^+ + \mu^+ e^-$ Arisaka 93 Battiston 92 Drell 92B Imazato 92B Inagaki 91 $\mu^+ e^-$ Akagi 94 Littenberg 93 Ritchie 93 $\mu^- \mu^+$ Akagi 94 Heinson 94 Littenberg 93 Ritchie 93 Battiston 92 Drell 92B Imazato 92B Schwartz 92 Heinson 91 Inagaki 91B 2γ Barr 95B Battiston 92 2π^0 Gibbons 95C Schwingenheu 95 Hsiung 94 Barr 93B Gibbons 93 Gibbons 93B Hsiung 92 Perdereau 92 Barker 91 Iconomidoufa 91 Kleinknecht 91 Winstein 91 $\pi^+ \pi^-$ Gibbons 95C Schwingenheu 95 Adler 94B Akagi 94 Heinson 94 Hsiung 94 Barr 93B Gibbons 93 Gibbons 93B Hsiung 92 Perdereau 92 Ramberg 92 Schwartz 92 Barker 91 Heinson 91 Iconomidoufa 91 Inagaki 91B Kleinknecht 91 Winstein 91 $e^- e^+ \gamma$ Nakaya 94 Littenberg 93 Ritchie 93 Battiston 92 Morse 91
K^0 K_S Adler 96B Gibaut 95 2π Kuno 94 2π^0 Adler 95C $\pi^+ \pi^-$ Adler 95D Adler 95E Aleshin 95B Adams 94D Adler 94B Asratyan 94 Angelopoulos 92 Guyot 92 Ruf 92 $\pi^0 \nu \bar{\nu}$ Battiston 92 $\pi^+ e^- \bar{\nu}_e$ Adler 94B Guyot 92 $\pi^- e^+ \nu_e$ Adler 95 Adler 95E Adler 94B Guyot 92 $\pi^+ \pi^0 \pi^-$ Adler 96 Adler 94B	K^0 K_S Adler 96B Gibaut 95 $K_L + 2\pi^0$ Danilov 94 2π^0 Adler 95C $\pi^+ \pi^-$ Adler 95D Adler 95E Adams 94D Adler 94B Asratyan 94 Angelopoulos 92 Guyot 92 Ruf 92 $\pi^+ e^- \bar{\nu}_e$ Adler 95 Adler 95E Adler 94B Guyot 92 $\pi^- e^+ \nu_e$ Adler 94B Guyot 92 $\pi^+ \pi^0 \pi^-$ Adler 96 Adler 94B		

Entries in order of particle name, then decay. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). See the legend on page 331.

K_L $K^*(892)^0$

K_L	K_L	$K^*(892)^+$	$K^*(892)^0$
$\mu^- \mu^+ \gamma$ Spencer 95 Battiston 92	$\mu^- \mu^+ 2\gamma$ Littenberg 93 Ritchie 93	$K^+ \pi^0$ Abreu 94O Bonivento 94	$K^+ \pi^-$ Barbarogalti 92 Drell 92B Lipton 92 Achasov 91 Albajar 91B Albrecht 91B Ammar 91B Amsler 91 Gittelman 91 Kiesling 91 Monch 91 Wenzel 91 Anjos 90 Bai 90C Berger 90B Landsberg 90
$\pi^0 \nu \bar{\nu}$ Weaver 94 Littenberg 93 Ritchie 93 Graham 92 Winstein 91	$\pi^+ \pi^0 e^- \bar{\nu}_e$ Makoff 93 Barker 91	$K^0 \pi^+$ Abe 95ZI Bertin 95 Albrecht 94G Smith 94 Asratyan 92 Maringer 92 Albrecht 91P	
$\pi^+ e^- \bar{\nu}_e$ Kreutz 95	$\pi^0 \pi^\pm e^+ \nu_e$ Makoff 93	$K_S \pi^+$ Albrecht 95C Asner 95 Abe 94D Abreu 94Q Akers 94P Castro 94 Ehrlich 94 Frabetti 94J Moroni 94 Spengler 94 Albrecht 93B Besson 93B Jones 93B Schneider 93 Skarha 93 Wenzel 93 Buskulic 92H Labs 92 Lafferty 92 Abreu 91O Albrecht 91J Cronstrom 91 Albrecht 89U	
$\pi^0 e^- e^+$ Hsiung 94 Harris 93B Littenberg 93 Ritchie 93 Battiston 92 Imazato 92B Morse 91 Serin 91B Winstein 91 Morse 90	5γ Conrad 95 Roberts 94		
$\pi^- e^+ \nu_e$ Kreutz 95	$e^- e^+ 4\gamma$ Mcfarland 93B		
$\pi^0 \mu^- \mu^+$ Hsiung 94 Harris 93 Littenberg 93 Ritchie 93 Battiston 92	$K^*(892)^-$ Avery 95 Athanas 94 Garbincius 94 Mueller 94 Heusch 91 Landsberg 91 Lesiak 91 Tenner 91 Augustin 90B		
3γ Barr 95C	$K \pi$ Armstrong 92		
$\pi^0 2\gamma$ Littenberg 93 Barr 92 Battiston 92 Drell 92B Papadimitrio 91 Serin 91 Serin 91B	$K^+(892)^-$ Bartelt 94		
$2\pi^0 \gamma$ Conrad 95 Roberts 94	$K^*(892)^\pm$ Aleem 92 Cronstrom 91		
$\pi^+ \pi^- \gamma$ Matthews 95B Littenberg 93 Battiston 92 Ramberg 92 Ramberg 92B Barker 91 Ramberg 91	$K_S \pi^\pm$ Acton 92O Ronan 91	$K^*(892)^0$ Abe 96D Freyberger 96 Abe 95E Akers 95P Anwaywiese 95 Frabetti 95B Garbincius 95 Gardner 95 Gibaut 95 Karchin 95 Ragan 95 Abreu 94I Akers 94H Alam 94C Albrecht 94P Alemany 94 Bailey 94 Bartelt 94 Cdfcollabora 94E Danilov 94 Dejongh 94 Eigen 94 Frabetti 94C Golutvin 94 Lewis 94 Mueller 94 Payne 94 Purohit 94B Shochet 94 Skarha 94 Wallace 94 Albrecht 93B Ali 93 Ammar 93 Batusov 93 Besson 93B Cattaneo 93 Deangelis 93 Papadimitrio 93 Papadimitrio 93B Papadimitrio 93C Schwarz 93 Stone 93 Suzuki 93 Ting 93 Acton 92M Aleem 92	
$3\pi^0$ Kreutz 95 Krolak 94 Mcfarland 93B Somalwar 92 Barker 91	$K^*(892)^+$ Abe 95N Buskulic 95O Papadimitrio 95 Skarha 95 Abreu 94I Albrecht 94P Alemany 94 Dejongh 94 Garbincius 94 Golutvin 94 Gomezycadena 94 Lewis 94 Mueller 94 Payne 94 Skarha 94 White 94B Abe 93ZG Alev 93C Alexander 93B Batusov 93 Deangelis 93 Fernandez 93 Muheim 93B Schwarz 93 Suzuki 93 Abreu 92F Acton 92O Armstrong 92 Barlag 92C Gauthier 92 Lipton 92 Achasov 91 Aguilarbenit 91 Albajar 91D Ammar 91B Amsler 91 Appel 91 Gittelman 91 Hebbeker 91B Monch 91 Ronan 91 Anjos 90 Bai 90C Landsberg 90		
$\pi^+ \pi^0 \pi^-$ Akhmetshin 95B Kreutz 95 Adler 94B Hsiung 94 Thomson 94 Barker 91			
$e^- e^+ 2\gamma$ Nakaya 94 Littenberg 93 Morse 91 Morse 90			
$2e^- 2e^+$ Barr 95 Akagi 94 Gu 94 Hsiung 94 Littenberg 93 Ritchie 93 Vagins 93 Akagi 92 Battiston 92 Imazato 92B Barr 91 Morse 91 Serin 91			

$K^*(892)^0$

$\bar{K}_0^*(1430)^0$

<p>$K^*(892)^0$</p> <p>$K^0 \pi^0$</p> <p>$K_S \pi^0$</p> <p>$K_L \pi^0$</p> <p>$\bar{K}^*(892)$</p> <p>$K^- \pi^+$</p> <p>$\bar{K}^*(892)^0$</p> <p>$\bar{K}^0 \pi^0$</p> <p>$K^- \pi^+$</p>	<p>$\bar{K}^*(892)^0$</p> <p>$K_S \pi^0$</p> <p>$K_L \pi^0$</p> <p>$K^*(892)^-$</p> <p>$K^*(892)^-$</p> <p>$\bar{K}^*(1370)^0$</p> <p>$K^*(1410)^-$</p> <p>$\bar{K}^0 \pi^+$</p> <p>$K^*(1430)^0$</p> <p>$\bar{K}_0^*(1430)^0$</p>	<p>$K^*(892)^-$</p> <p>$\bar{K}^0 \pi^-$</p> <p>$K^- \pi^0$</p> <p>$K_S \pi^-$</p> <p>$K^- \rho^0$</p> <p>$K_1(1400)$</p> <p>$K_1(1400)^+$</p> <p>$K_1(1400)^0$</p> <p>$K_S \pi^0$</p> <p>$\bar{K}_1(1400)^0$</p> <p>$\bar{K}^*(892)^0 \pi^0$</p> <p>$K^*(892)^- \pi^+$</p> <p>$K_1(1400)^-$</p> <p>$K^- \rho^0$</p> <p>$\bar{K}^*(892)^0 \pi^-$</p> <p>$K^- \pi^+ \pi^-$</p> <p>$\bar{K}^*(1370)^0$</p> <p>$\bar{K}^0 \pi^+ \pi^-$</p> <p>$K^*(1410)^-$</p> <p>$\bar{K}^0 \pi^-$</p> <p>$K_0^*(1430)^0$</p> <p>$K^+ \pi^-$</p> <p>$\bar{K}_0^*(1430)^0$</p>	<p>Aguilarbenit 91 Albajar 91D Cronstrom 91 Ronan 91 Asratyan 90 Bisello 90B Albrecht 89U</p> <p>Amsler 94J Faessler 94 Felix 94</p> <p>Amsler 93B</p> <p>Amsler 93B</p> <p>Garbincius 94 Heusch 91 Landsberg 91</p> <p>Bartelt 94</p> <p>Abe 96D Freyberger 96 Abe 95E Abreu 95E Akers 95P Anwaywiese 95 Frabetti 95B Garbincius 95 Gardner 95 Gibaut 95 Karchin 95 Ragan 95 Abreu 94I Albrecht 94P Alemany 94 Bartelt 94 Danilov 94 Dejongh 94 Eigen 94 Freyberger 94 Goluvvin 94 Lewis 94 Payne 94 Shochet 94 Skarha 94 Wallace 94 Alexander 93B Cattaneo 93 Deangelis 93 Kodama 93B Muheim 93B Papadimitrio 93B Papadimitrio 93C Schwarz 93 Ting 93 Abreu 92F Albrecht 92 Barlag 92C Achasov 91 Ammar 91B Amsler 91 Bortoletto 91 Coffman 91 Cronstrom 91 Gittelman 91 Potter 91 Spiegel 91 Tyapkin 91 Anjos 90 Bai 90C Landsberg 90</p> <p>Amsler 94J Faessler 94 Felix 94 Procario 92B</p> <p>Abe 95N Abe 95P</p>	<p>Abe 95R Abe 95ZB Abe 95ZC Abe 95ZI Akers 95G Albrecht 95C Alexander 95E Asner 95 Belogianni 95 Bishai 95B Derwent 95 Frabetti 95 Frabetti 95D Gardner 95 Papadimitrio 95 Skarha 95 Abe 94ZF Albrecht 94J Bai 94 Bai 94B Byrum 94 Ehrlich 94 Fan 94B Frabetti 94C Frabetti 94D Freyberger 94 Garbincius 94 Gibaut 94B Hara 94 Karen 94 Moroni 94 Plunkett 94 Acton 93L Adriani 93K Albrecht 93B Apsimon 93 Bean 93 Belogianni 93B Belogianni 93C Besson 93B Bozek 93 Crane 93 Frabetti 93F Huffman 93 Kodama 93C Kodama 93E Mangano 93 Abreu 92J Acton 92C Ajinenko 92 Albrecht 92G Anjos 92B Anjos 92C Anjos 92D Asratyan 92 Coffman 92B Gebert 92 Kodama 92 Kodama 92B Lafferty 92 Procario 92B Adamovich 91E Aguilarbenit 91 Albrecht 91J Albrecht 91P Crawford 91 Ronan 91 Alvarez 90D Bisello 90B Kinoshita 90</p> <p>Amsler 93B</p> <p>Amsler 93B</p> <p>Abe 95N Buskalic 95O Papadimitrio 95 Skarha 95 Abreu 94I Alam 94C Albrecht 94P Alemany 94</p>	<p>Dejongh 94 Freyberger 94 Garbincius 94 Gibaut 94B Goluvvin 94 Gomezycadena 94 Lewis 94 Payne 94 Skarha 94 White 94B Aleev 93C Ali 93 Ammar 93 Deangelis 93 Fernandez 93 Kodama 93B Kwan 93 Schwarz 93 Stone 93 Acton 92O Armstrong 92 Lipton 92 Shukla 92B Achasov 91 Aguilarbenit 91 Ammar 91B Amsler 91 Appel 91 Bortoletto 91 Cronstrom 91 Decamp 91R Gittelman 91 Hebbeker 91B Kiesling 91 Potter 91 Ronan 91 Stoker 91 Anjos 90 Bai 90C Landsberg 90</p> <p>Abe 95ZI Bertin 95 Bolonkin 95 Frabetti 95H Smith 94 Albrecht 93 Anjos 92B Asratyan 92 Coffman 92B Maringer 92</p> <p>Abreu 94O Battle 94 Bonivento 94 Buskalic 94F Frabetti 94D Anjos 92B Anjos 92C Anjos 92D Coffman 92B</p> <p>Albrecht 95C Asner 95 Buskalic 95T Abreu 94Q Akers 94I Akers 94P Asratyan 94 Castro 94 Ehrlich 94 Frabetti 94D Frabetti 94J Freyberger 94 Moroni 94 Semenov 94 Spengler 94 Bean 93 Jones 93B Anjos 92C Anjos 92D Buskalic 92H Frabetti 92B Lafferty 92</p>	<p>Abreu 91O Crawford 91</p> <p>$K_L \pi^-$</p> <p>Buskalic 94F</p> <p>$K_1(1270)^+$</p> <p>Gittelman 91</p> <p>$K_1(1270)^0$</p> <p>$K_S \pi^0$</p> <p>Gittelman 91</p> <p>Anjos 92D</p> <p>$\bar{K}_1(1270)^0$</p> <p>Coffman 92B</p> <p>$K_1(1270)^-$</p> <p>$K^- \pi^0$</p> <p>Anjos 92D</p> <p>$K_S \pi^-$</p> <p>Anjos 92D</p> <p>$K^- \rho^0$</p> <p>Coffman 92B Tyapkin 91</p> <p>$\bar{K}^*(892)^0 \pi^-$</p> <p>Coffman 92B Tyapkin 91</p> <p>$\bar{K}_0^*(1430)^0 \pi^-$</p> <p>Coffman 92B</p> <p>$K^- \pi^+ \pi^-$</p> <p>Bauer 93B Nicol 93 Alvarez 90D</p> <p>$K_1(1400)$</p> <p>Lesiak 91</p> <p>$K_1(1400)^+$</p> <p>Gittelman 91</p> <p>$K_1(1400)^0$</p> <p>Gittelman 91</p> <p>$K_S \pi^0$</p> <p>Anjos 92D</p> <p>$\bar{K}_1(1400)^0$</p> <p>$\bar{K}^*(892)^0 \pi^0$</p> <p>Coffman 92B</p> <p>$K^*(892)^- \pi^+$</p> <p>Coffman 92B</p> <p>$K_1(1400)^-$</p> <p>Coffman 92B</p> <p>$K^- \rho^0$</p> <p>Tyapkin 91</p> <p>$\bar{K}^*(892)^0 \pi^-$</p> <p>Tyapkin 91</p> <p>$K^- \pi^+ \pi^-$</p> <p>Bauer 93B Nicol 93</p> <p>$\bar{K}^*(1370)^0$</p> <p>Coffman 92B</p> <p>$\bar{K}^0 \pi^+ \pi^-$</p> <p>Aston 92</p> <p>$K^*(1410)^-$</p> <p>Coffman 92B</p> <p>$\bar{K}^0 \pi^-$</p> <p>Aston 92</p> <p>$K_0^*(1430)^0$</p> <p>Gardner 95</p> <p>$K^+ \pi^-$</p> <p>Belogianni 93B</p> <p>$\bar{K}_0^*(1430)^0$</p> <p>Frabetti 95 Gardner 95</p>
--	--	---	---	--	--	--

Entries in order of particle name, then decay. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). See the legend on page 331.

$\bar{K}_0^*(1430)^0$ $\phi(1020)$

$\bar{K}_0^*(1430)^0$	$K_3^*(1780)^0$	$\phi(1020)$	$\phi(1020)$
$K^- \pi^+$ Frabetti 94D Belogianni 93B Coffman 92B Aston 91B	Gittelman 91	Deangelis 93 Frabetti 93I Kodama 93B Kwan 93 Kwon 93 Landsberg 93 Muheim 93B Schwarz 93 Stone 93 Abreu 92F Acton 92M Alvarez 92 Baglin 92B Barlag 92C Burchell 92 Decarlo 92 Ferreira 92 Gauthier 92 Lipton 92 Mazzoni 92 Schmidt 92B Shukla 92B Achasov 91 Albajar 91D Albrecht 91B Ammar 91B Baglin 91D Bortoletto 91 Coffman 91 Donnachie 91 Geist 91 Gittelman 91 Guillaud 91 Heusch 91 Jacob 91 Landsberg 91 Lindsey 91 Odyniec 91B Spiegel 91 Anjos 90 Bai 90C Landsberg 90	Victorov 95 Ableev 94D Ableev 94G Abreu 94 Abreu 94I Albrecht 94B Albrecht 94J Albrecht 94M Amelin 94 Appel 94 Arneodo 94B Avery 94B Bai 94 Bai 94B Balatz 94B Balest 94C Barreiro 94 Belogianni 94 Bertolotto 94 Brown 94 Burov 94 Buskalic 94B Butler 94 Cdfcollabora 94B Fan 94B Fang 94 Frabetti 94 Frabetti 94C Freyberger 94 Gibaut 94B Girone 94 Gutierrez 94 Hara 94 Johns 94 Jones 94B Kriznic 94 Kurshetsov 94 Landsberg 94B Landsberg 94C Lewis 94 Lewis 94B Lucherini 94 Moroni 94 Purohit 94 Sapozhnikov 94 Skarha 94 Steinkamp 94 Wormser 94 Abe 93Y Acton 93L Albrecht 93B Alev 93E Alexander 93 Apsimon 93 Belogianni 93C Besson 93B Buskalic 93H Cattaneo 93 Daoudi 93 Fang 93 Frabetti 93B Frabetti 93G Kodama 93E Lebrun 93 Lukens 93 Merkel 93 Muheim 93 Pater 93 Pierre 93 Rohde 93 Seywerd 93 Shaw 93 Skarha 93 Wenzel 93 Acton 92C Alexander 92 Asratyan 92 Avery 92 Boucrot 92 Buskalic 92 Buskalic 92H Frabetti 92B Frabetti 92D Gebert 92
$K_0^*(1430)^-$	$K_3^*(1780)^-$		
$\bar{K}^0 \pi^-$ Albrecht 93 Aston 91B	$K^- \omega$ Aston 91C Aston 92B		
$K_S \pi^-$ Frabetti 94D	$K_2(1820)^-$ Aston 93		
$K_2^*(1430)^+$ Deangelis 93 Gittelman 91	$K_4^*(2045)$ Lesiak 91		
$K_2^*(1430)^0$ Deangelis 93 Shaw 93 Gittelman 91	$K_4^*(2045)^+$ Gittelman 91		
$K^+ \pi^-$ Akers 95G Berdnikov 94B	$K_4^*(2045)^0$ Gittelman 91		
$\bar{K}_2^*(1430)^0$ Deangelis 93 Procario 92B Akers 95G Anjos 92C Procario 92B Aston 91B	$K^*(\text{unspec})^+$ $K^+ \pi^+ \pi^-$ Karnaukhov 95		
$\bar{K}^0 \pi^0$ Deangelis 93	$K^*(\text{unspec})^0$ $K^0 \pi^+ \pi^-$ Karnaukhov 95 $K^+ \pi^+ 2\pi^-$ Karnaukhov 95B $K^- 2\pi^+ \pi^-$ Karnaukhov 95 $K^0 2\pi^+ 2\pi^-$ Karnaukhov 95		
$K^- \pi^+$ Akers 95G Anjos 92C Procario 92B Aston 91B	$\bar{K}^*(\text{unspec})^0$ $K^- \pi^+$ Aston 91B $\bar{K}^0 \pi^+ \pi^-$ Aston 91B		
$\bar{K}^0 \pi^+ \pi^-$ Aston 91B	$\phi(1020)$ Freyberger 96 Ableev 95 Abreu 95E Aid 95F Akers 95P Alexander 95 Arneodo 95D Artuso 95B Asner 95 Frabetti 95 Garbincius 95 Gardner 95 Karchin 95 Kaufman 95 Levy 95 Lohr 95 Masera 95 Stocker 95 Vavilov 95B Victorov 95B Adamovich 94D Akers 94H Amsler 94B Bertolotto 94 Danilov 94 Derrick 94 Freyberger 94 Kaufman 94 Lecompte 94 Mazzoni 94 Mueller 94 Plunkett 94 Purohit 94B Sapozhnikov 94B Semenov 94 Shochet 94 Vavilov 94C Wallace 94 Wang 94 Acosta 93 Adamovich 93B Alexander 93B Avery 93	$\mu^- \mu^+$ Fredj 91 Odyniec 91 Schukraft 91 Schellman 94	
$K_2^*(1430)^-$ Deangelis 93		charged ⁺ charged ⁻ Schellman 94	
$\bar{K}^0 \pi^-$ Albrecht 93 Aston 91B		$\pi^+ \pi^-$ Abe 94X	
$K^- \omega$ Aston 92B Aston 91C		$\eta \gamma$ Akhmetshin 95 Akhmetshin 95B	
$K(1460)^-$ $K^- \rho^0$ Tyapkin 91		$\eta' \gamma$ Akhmetshin 95B	
$\bar{K}^*(892)^0 \pi^-$ Tyapkin 91		$f_0(975) \gamma$ Akhmetshin 95B	
$K^*(1680)^+$ Gittelman 91		$K^+ K^-$ Abe 95P Abe 95R Abe 95ZB Abe 95ZC Ableev 95C Akers 95G Akhmetshin 95 Akhmetshin 95B Alexander 95E Alexopoulos 95C Amsler 95C Bartelt 95 Belogianni 95 Bertolotto 95 Brandenburg 95 Buskalic 95I Buskalic 95T Derrick 95Q Derwent 95 Frabetti 95B Frabetti 95D Frabetti 95E Garbincius 95 Gibaut 95 Gronberg 95 Skarha 95	
$K^*(1680)^0$ Gittelman 91			
$\bar{K}^*(1680)^0$ $K^- \pi^+$ Frabetti 94D Anjos 92C			
$\bar{K}^0 \pi^+ \pi^-$ Aston 92			
$K^*(1680)^-$ $\bar{K}^0 \pi^-$ Aston 92			
$K_2(1770)$ Lesiak 91			
$K_2(1770)^-$ $K^- \omega$ Aston 93 Aston 92B			
$K_3^*(1780)^+$ Gittelman 91			

$\phi(1020)$ D^+

$\phi(1020)$	charm	charmed-meson	D^+	
Hamann 92 Hertzog 92 Lafferty 92 Palano 92 Aguilarbenit 91 Albrecht 91J Amsler 91 Amsler 91B Anjos 91D Armstrong 91 Cronstrom 91 Daoudi 91 Frabetti 91 Harris 91B Procario 91 Ronan 91 Asratyan 90 Bisello 90B	Aso 95B Abe 94V Brisson 94B Iwasaki 94 Sakuda 93 Albrecht 92H $\mu^\pm X$ $\mu^+ X$ Hamilton 94 Akesson 96 Aso 95B Belikov 95 Blair 95 Abe 94V Kuhlmann 94B $K^0 X$ $D^*(2010) X$ ΛX $e^+ \text{jet}$	$\mu^- X$ Sarmiento 92 $D(\text{unspec})$ Garbincius 95 Kwan 93 Alves 92 Appel 92 Alvarez 91B Aoki 91C Rossi 91 D^\pm Wallace 94 Alves 93B Buskulic 93P Kwan 93 Alvarez 92 Alves 92 Appel 92 Kodama 92C Rossi 91 $\eta' \pi^\pm$ $\rho \pi^\pm \gamma$ D Athanas 94 Moroni 94 Barlag 93 Frabetti 93E Kwan 93 Alvarez 92 Ammosov 92B Appel 92 Berge 92 Lipton 92 Yeh 92 Barlag 91 Rossi 91 Spiegel 91 $\mu^+ X$ $\bar{K} \pi$ $\bar{K} 2\pi$ $\bar{K} 3\pi$	charged X Barlag 92C $K^+ X$ Barlag 92C Coffman 91 $K^0 X + \bar{K}^0 X$ Coffman 91 $K^- X$ Barlag 92C Coffman 91 $\bar{K}^0 e^+ X$ Baker 91 $K_S a_1(1260)^+ X$ Anjos 92D $K_S a_2(1320)^+ X$ Anjos 92D $\bar{K}^*(892)^0 \rho^+ X$ Anjos 92D $K_1(1270)^0 \pi^+ X$ Anjos 92D $K_1(1400)^0 \pi^+ X$ Anjos 92D $K^- 2\pi^+ X$ Adamovich 91E $K^- \rho^+ \pi^+ X$ Anjos 92D $K_S \rho^0 \pi^+ X$ Anjos 92D $K_S f_0(975) \pi^+ X$ Anjos 92D $\bar{K}^*(892)^0 \pi^+ \pi^0 X$ Anjos 92D $K^*(892)^- 2\pi^+ X$ Anjos 92D $K^- 2\pi^+ \pi^0 X$ Anjos 92D $K_S 2\pi^+ \pi^- X$ Anjos 92D $\pi^+ \pi^0$ Selen 93 $\eta \pi^+$ Daoudi 91 $\rho^+ \eta$ Daoudi 91 $\eta' \pi^+$ Anjos 91 Daoudi 91 $\eta' \rho^+$ Daoudi 91 $K^+ \pi^0$ Labs 92 $\bar{K}^0 \pi^+$ Frabetti 94J Stone 93 Bortoletto 91 Coffman 91 $K_S \pi^+$ Asratyan 94 Athanas 94 Dejongh 94 Busse 93 Albrecht 91J $K^+ \rho^0$ Frabetti 95D $\bar{K}^0 a_1(1260)^+$ Coffman 92B $\bar{K}^0 a_2(1320)^+$ Coffman 92B $K^+ \bar{K}^0$ Frabetti 94J $K^+ K_S$ Busse 93 $K^*(892)^+ \pi^0$ Labs 92 $K^*(892)^0 \pi^+$ Frabetti 95D Purohit 94 Purohit 94B Labs 92	
$2K_S$ $K_S K_L$	Palano 92 Akhmetshin 95 Akhmetshin 95B Amsler 95C Amsler 94J Bertolotto 94 Faessler 94 Felix 94 Amsler 93B Buskulic 93H Amsler 91B	$\pi^+ \pi^0 \pi^-$ Akhmetshin 95 Akhmetshin 95B $\pi^+ \pi^0 \pi^- \gamma$ Akhmetshin 95B $2\pi^+ 2\pi^-$ Akhmetshin 95B	$\pi^+ \pi^0 \pi^-$ Akhmetshin 95 Akhmetshin 95B $\pi^+ \pi^0 \pi^- \gamma$ Akhmetshin 95B $2\pi^+ 2\pi^-$ Akhmetshin 95B	
$\phi(1680)$	$\omega \eta$ Amsler 94B Amsler 94F $K^+ K^-$ Castro 94 $K^*(892)^+ K^-$ Castro 94 $K^*(892)^- K^+$ Castro 94 $\omega \pi^+ \pi^-$ Bisello 91B $K^+ K^- \pi^0$ Bisello 91 $K^+ K_S \pi^-$ Bisello 91 $K_S K^- \pi^+$ Bisello 91	Abe 95ZN Bunyatov 95 Rybicki 95 Kwan 93 Sakuda 93 Suzuki 93C Appel 92 Aoki 91B Kodama 91B Spiegel 91 Ammosov 90B Akesson 96 Aso 95B Abe 94V Brisson 94B Iwasaki 94 Sakuda 93 Akesson 96 Aso 95B Belikov 95 Blair 95 Abe 94V Kuhlmann 94B Nakano 94	$\mu^- X$ $e^- X$ $\mu^+ X$ $\bar{K} \pi$ $\bar{K} 2\pi$ $\bar{K} 3\pi$	μ^\pm charged (neutrals) Aoki 91B μ^\pm 3charged (neutrals) Aoki 91B μ^\pm 5charged (neutrals) Aoki 91B
charm	Abe 95ZN Akers 95I Bunyatov 95 Rybicki 95 Albrecht 94R Zatsepin 94B Akers 93 Akers 93I Kwan 93 Sakuda 93 Suzuki 93C Ammosov 92B Appel 92 Bozhko 92 Drell 92B Albrecht 91I Aoki 91B Kodama 91B Spiegel 91 Ammosov 90B	μ^\pm 2charged (neutrals) Aoki 91B μ^\pm 4charged (neutrals) Aoki 91B	D^+ Karchin 95 Albrecht 94N Colas 94 Dejongh 94 Jones 94B Payne 94 Shochet 94 Browder 93 Cattaneo 93 Deangelis 93 Kodama 93D Kwan 93 Appel 92 Barlag 91 Kodama 91 Rossi 91 Spiegel 91 $e^+ X$ Freyberger 94 Luke 93 Baker 91 Potter 91 Bai 90C $\mu^+ X$ Kwan 93 Kodama 92C mult[charged] X Barlag 92C	charm^\pm charm^0 charm^- $e^- \bar{\nu}_e X$ Albrecht 91K $\mu^- \bar{\nu}_\mu X$ Albrecht 91K charmed-meson $\mu^+ X$ Sarmiento 92 $D^0 K^+$ Kubota 94 $D^*(2010)^0 K^+$ Kubota 94
νX $e^\pm X$ $e^+ X$	Barabash 93 Uehara 93 Akesson 96	νX Barabash 93 $e^\pm X$ Uehara 93 $e^+ X$ Akesson 96		

Entries in order of particle name, then decay. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). See the legend on page 331.

D ⁺	D ⁺	D ⁺	D ⁺
$\bar{K}^*(892)^0 \pi^+$ Gardner 95 Frabetti 94D Anjos 92C	$K_S e^+ \nu_e$ Freyberger 94 Bean 93	Moroni 94 Purohit 94 Purohit 94B Wormser 94 Abreu 93G Adamovich 93B Adamovich 93D Alexander 93 Alves 93B Barlag 93 Buskalic 93P Forty 93 Frabetti 93E Frabetti 93F Kwan 93 Selen 93 Stone 93 Abreu 92I Albrecht 92E Alvarez 92 Anjos 92B Anjos 92C Barlag 92 Barlag 92C Bortoletto 92 Boucrot 92 Butler 92 Drell 92 Feindt 92B Kodama 92B Kodama 92C Shukla 92 Albrecht 91G Albrecht 91J Ammar 91B Anjos 91C Bortoletto 91 Coffman 91 Daoudi 91 Frabetti 91 Procario 91 Spiegel 91 Alvarez 90D Barlag 90E Fulton 90 Frabetti 94D	$K^- \pi^+ e^+ \nu_e$ Freyberger 94 Adamovich 91E Potter 91 Bai 90C $\bar{K}^*(892)^0 \pi^0 e^+ \nu_e$ Anjos 92B Potter 91 $K^*(892)^- \pi^+ e^+ \nu_e$ Anjos 92B Potter 91 $\bar{K}^*(892)^0 \pi^0 \mu^+ \nu_\mu$ Gibaut 94B $2\pi^+ \pi^0 \pi^-$ Barlag 92C nonres $< \bar{K}^0 2\pi^+ \pi^- >$ Coffman 92B $\bar{K}^0 2\pi^+ \pi^-$ Barlag 92C Coffman 92B Coffman 91 nonres $< K^- 2\pi^+ \pi^0 >$ Coffman 92B $K^- 2\pi^+ \pi^0$ Barlag 92C Coffman 92B Albrecht 91J $K^+ \bar{K}^0 \pi^+ \pi^-$ Albrecht 91P $K^+ K^- \pi^+ \pi^0$ Barlag 92C $K^0 K^- 2\pi^+$ Barlag 92C Albrecht 91P $K^0 K^- 2\pi^+ -$ Albrecht 91P $K^*(892)^+ \bar{K}^*(892)^0$ Albrecht 91P $\phi(1020) 2\pi^+ \pi^-$ Frabetti 92D $\bar{K}^0 \pi^+ \pi^- e^+ \nu_e$ Anjos 92B Potter 91 nonres $< \bar{K}^0 \pi^+ \pi^- > e^+ \nu_e$ Anjos 92B Potter 91 $K^- \pi^+ \pi^0 e^+ \nu_e$ Anjos 92B Potter 91 nonres $< K^- \pi^+ \pi^0 > e^+ \nu_e$ Anjos 92B Potter 91 $3\pi^+ 2\pi^-$ Moroni 94 Barlag 92C $\bar{K}^0 2\pi^+ \pi^0 \pi^-$ Barlag 92C $K^- 2\pi^+ 2\pi^0$ Barlag 92C $K^- 3\pi^+ \pi^-$ Barlag 92C Spiegel 91 $3\pi^+ \pi^0 2\pi^-$ Barlag 92C $\bar{K}^0 3\pi^+ 2\pi^-$ Barlag 92C $K^- 3\pi^+ \pi^0 \pi^-$ Barlag 92C
$K^*(892)^+ \bar{K}^0 K^+$ Frabetti 94J $\bar{K}^*(892)^0 K^+$ Frabetti 95 Gardner 95 Frabetti 94C Barlag 92C $K^*(892)^+ \bar{K}^*(892)^0$ Albrecht 91P Gittelman 91 $\bar{K}_1(1270)^0 \pi^+$ Coffman 92B $\bar{K}_1(1400)^0 \pi^+$ Coffman 92B $\bar{K}^*(1370)^0 \pi^+$ Coffman 92B $\bar{K}_0^*(1430)^0 \pi^+$ Frabetti 94D $\bar{K}_2^*(1430)^0 \pi^+$ Anjos 92C $\bar{K}^*(1680)^0 \pi^+$ Frabetti 94D Anjos 92C $\phi(1020) \pi^+$ Frabetti 95 Frabetti 95E Gardner 95 Adamovich 94D Brown 94 Frabetti 94C Purohit 94B Adamovich 93B Barlag 92C Daoudi 91 Frabetti 91 $\phi(1020) \rho^+$ Daoudi 91 $K^+ \phi(1020)$ Frabetti 95E Gardner 95 Purohit 94 Purohit 94B Anjos 91D $\pi^+ e^- e^+$ Aitala 95 $\pi^0 e^+ \nu_e$ Freyberger 94 Potter 91 Bai 90C $\pi^+ \mu^- \mu^+$ Aitala 95 Kodama 95 Nguyen 94 $\pi^0 \mu^+ \nu_\mu + \pi^0 e^+ \nu_e$ Alam 93 $\pi^0 \mu^+ \nu_\mu$ Freyberger 94 $\pi^- 2\mu^+$ Kodama 95 $\rho^0 e^+ \nu_e$ Freyberger 94 Bai 90C $\rho^+ \mu^- \mu^+$ Kodama 95 $\rho^0 \mu^+ \nu_\mu$ Gibaut 94B Kodama 93C $\bar{K}^0 e^+ \nu_e$ Freyberger 94 Lipton 92 Anjos 91C Potter 91 Spiegel 91 Bai 90C	$\bar{K}^0 \mu^+ \nu_\mu + \bar{K}^0 e^+ \nu_e$ Alam 93 $\bar{K}^0 \mu^+ \nu_\mu$ Freyberger 94 Potter 91 Bai 90C $K^*(892)^0 \ell^+ \nu$ Drell 92B $\bar{K}^*(892)^0 \ell^+ \nu$ Kodama 92B $\bar{K}^*(892)^0 e^+ \nu_e$ Freyberger 94 Bean 93 Adamovich 91E Potter 91 Bai 90C $\bar{K}^*(892)^0 \mu^+ \nu_\mu$ Freyberger 94 Gibaut 94B Moroni 94 Frabetti 93F Kodama 93C Kodama 93E Kodama 92 Kodama 92B Potter 91 $\phi(1020) e^+ \nu_e$ Freyberger 94 Bai 90C $\phi(1020) \mu^+ \nu_\mu$ Freyberger 94 Bai 90C $2\pi^+ \pi^-$ Aitala 95 Adamovich 94D Moroni 94 Adamovich 93B Barlag 92C $K^+ \pi^+ \pi^-$ Frabetti 95D Gardner 95 Adamovich 94D Purohit 94 Purohit 94B Kwan 93 Alves 92 Alves 92B Labs 92 Thorne 92 $K^- 2\pi^+$ Aitala 96 Abe 95ZQ Abreu 95L Adamovich 95 Aitala 95 Akers 95F Akers 95R Alexander 95C Buskalic 95L Frabetti 95D Frabetti 95I Garbincius 95 Gardner 95 Gibaut 95 Adamovich 94D Alam 94C Appel 94 Asratyan 94 Athanas 94 Avery 94 Balest 94 Carter 94 Carter 94B Chudakov 94 Dejongh 94 Frabetti 94D Frabetti 94E Frabetti 94G Johns 94 King 94	$K_S \pi^+ \pi^0$ Labs 92 $\bar{K}^0 \rho^0 \pi^+$ Coffman 92B $K^- \rho^+ \pi^+$ Coffman 92B $K^+ K^- \pi^+$ Frabetti 95 Gardner 95 Frabetti 94C Moroni 94 Purohit 94B Barlag 92C Spiegel 91 $2K^+ K^-$ Frabetti 95E Gardner 95 Adamovich 94D Purohit 94 Purohit 94B Adamovich 93B Ammar 91B $K^+ 2\bar{K}^0$ Albrecht 94J $K^+ 2K_S$ Albrecht 94J $\bar{K}^*(892)^0 \pi^+ \pi^0$ Coffman 92B $K^*(892)^- 2\pi^+$ Coffman 92B $K^*(892)^+ K^- \pi^+$ Albrecht 91P $\bar{K}^*(892)^0 K^0 \pi^+$ Albrecht 91P $\phi(1020) \pi^+ \pi^0$ Barlag 92C	$K^- \pi^+ e^+ \nu_e$ Freyberger 94 Adamovich 91E Potter 91 Bai 90C $\bar{K}^*(892)^0 \pi^0 e^+ \nu_e$ Anjos 92B Potter 91 $K^*(892)^- \pi^+ e^+ \nu_e$ Anjos 92B Potter 91 $\bar{K}^*(892)^0 \pi^0 \mu^+ \nu_\mu$ Gibaut 94B $2\pi^+ \pi^0 \pi^-$ Barlag 92C nonres $< \bar{K}^0 2\pi^+ \pi^- >$ Coffman 92B $\bar{K}^0 2\pi^+ \pi^-$ Barlag 92C Coffman 92B Coffman 91 nonres $< K^- 2\pi^+ \pi^0 >$ Coffman 92B $K^- 2\pi^+ \pi^0$ Barlag 92C Coffman 92B Albrecht 91J $K^+ \bar{K}^0 \pi^+ \pi^-$ Albrecht 91P $K^+ K^- \pi^+ \pi^0$ Barlag 92C $K^0 K^- 2\pi^+$ Barlag 92C Albrecht 91P $K^0 K^- 2\pi^+ -$ Albrecht 91P $K^*(892)^+ \bar{K}^*(892)^0$ Albrecht 91P $\phi(1020) 2\pi^+ \pi^-$ Frabetti 92D $\bar{K}^0 \pi^+ \pi^- e^+ \nu_e$ Anjos 92B Potter 91 nonres $< \bar{K}^0 \pi^+ \pi^- > e^+ \nu_e$ Anjos 92B Potter 91 $K^- \pi^+ \pi^0 e^+ \nu_e$ Anjos 92B Potter 91 nonres $< K^- \pi^+ \pi^0 > e^+ \nu_e$ Anjos 92B Potter 91 $3\pi^+ 2\pi^-$ Moroni 94 Barlag 92C $\bar{K}^0 2\pi^+ \pi^0 \pi^-$ Barlag 92C $K^- 2\pi^+ 2\pi^0$ Barlag 92C $K^- 3\pi^+ \pi^-$ Barlag 92C Spiegel 91 $3\pi^+ \pi^0 2\pi^-$ Barlag 92C $\bar{K}^0 3\pi^+ 2\pi^-$ Barlag 92C $K^- 3\pi^+ \pi^0 \pi^-$ Barlag 92C
			D ⁰ Karchin 95 Ukegawa 95 Albrecht 94I Albrecht 94N Byrum 94 Jones 94B Lecompte 94 Payne 94 Shochet 94 Bartelt 93 Besson 93B Deangelis 93 Forty 93

D^0 D^0

D^0	Kodama 93D Kwan 93 Appel 92 Barlag 91 Kodama 91 Mattig 91 Rossi 91 Spiegel 91	D^0	Purohit 94 Cinabro 93B Albrecht 92O Ammar 91B	D^0	Browder 93 Buskucic 93D Buskucic 93I Buskucic 93P Cattaneo 93 Cinabro 93B Forty 93 Frabetti 93E Hinode 93 Jansen 93 Kaplan 93 Kroha 93 Kwan 93 Mangano 93 Nakano 93 Nau 93 Sakuda 93 Sefkow 93 Selen 93 Seywerd 93 Stone 93 Suzuki 93C Abreu 92I Adamovich 92 Albrecht 92B Albrecht 92E Albrecht 92G Albrecht 92H Albrecht 92K Albrecht 92N Albrecht 92O Albrecht 92P Alvarez 92 Alves 92 Alves 92B Barlag 92 Barlag 92C Bencheikh 92 Benedic 92 Bortoletto 92 Boucrot 92 Butler 92 Drell 92 Feindt 92B Frabetti 92D Kodama 92C Kroha 92B Peng 92 Sarmiento 92 Shukla 92 Shukla 92B Thorne 92 Adamovich 91D Aihara 91 Albrecht 91G Albrecht 91J Albrecht 91K Alexander 91 Ammar 91B Anjos 91B Bari 91 Bortoletto 91 Capon 91 Coffman 91 Crawford 91B Decamp 91J Frabetti 91 Geerts 91 Gittelman 91 Henderson 91 Kubota 91 Mai 91 Nurushev 91 Okamoto 91 Procario 91 Schafer 91 Shirai 91 Spiegel 91 Barlag 90E Fulton 90 Kinoshita 90	D^0	Dejongh 94 Aihara 91 Nurushev 91
$e^+ X$	Freyberger 94 Baker 91 Potter 91 Bai 90C	$\bar{K} \pi$	Akers 94S	$\bar{K}^0 \eta$	Procario 92B		
$\mu^+ X$	Kodama 94 Kwan 93 Kodama 92C Kodama 91C Potter 91	$\bar{K}^0 \pi^0$	Kroha 93 Albrecht 92G Anjos 92 Procario 92B Kinoshita 90	$\bar{K}^0 \rho^0$	Frabetti 94D Albrecht 93 Kwan 93 Frabetti 92B Shukla 92B		
mult[charged] X	Barlag 92C	$K^- \pi$	Akers 93E	$K^- \rho^+$	Frabetti 94D Anjos 92C Gittelman 91		
charged X	Barlag 92C	$K^- \pi^+$	Abe 96E Abreu 96C Abe 95ZQ Abreu 95L Abreu 95S Adamovich 95 Akers 95F Akers 95R Albrecht 95D Albrecht 95H Alexander 95C Artuso 95B Asratyan 95 Bargende 95 Bartelt 95 Buskucic 95C Buskucic 95J Buskucic 95L Buskucic 95S Derrick 95 Duboscq 95 Frabetti 95H Frabetti 95I Garbincius 95 Gardner 95 Gibaut 95 Kubota 95 Papadimitrio 95 Skarha 95 Adamovich 94D Akers 94B Alam 94C Albrecht 94L Asratyan 94 Athanas 94 Balest 94 Barish 94 Barreiro 94 Bergfeld 94B Brisson 94B Brown 94 Buskucic 94L Colas 94 Danilov 94 Dejongh 94 Frabetti 94C Frabetti 94E Frabetti 94F Frabetti 94G Frabetti 94I Johns 94 Kubota 94 Kuhlmann 94B Leitch 94 Lewis 94B Litvintsev 94 Moroni 94 Purohit 94 Skarha 94 Wormser 94 Abe 93O Abreu 93G Adamovich 93D Akerib 93 Albrecht 93D Alexander 93 Alves 93 Alves 93B Barlag 93 Besson 93B	$K_S \rho^0$	Anjos 92C		
$K^+ X$	Barlag 92C Coffman 91			$\bar{K}^0 \omega$	Albrecht 93 Albrecht 92G Coffman 92B Kinoshita 90		
$K^0 X + \bar{K}^0 X$	Coffman 91			$\bar{K}^0 \eta'$	Albrecht 92G Procario 92B		
$K^- X$	Barlag 92C Coffman 91			$\bar{K}^0 f_0(975)$	Frabetti 94D Albrecht 93 Rohde 93		
$e^+ \nu X$	Kubota 95			$K^- a_0(980)^+$	Rohde 93		
$e^+ \bar{\nu}_e X$	Albrecht 95E			$\bar{K}^0 a_1(1260)^0$	Coffman 92B		
$\mu^+ \nu_\mu X$	Aoki 92			$K^- a_1(1260)^+$	Anjos 92D Coffman 92B Alvarez 90D		
$\mu^+ \bar{\nu}_\mu X$	Albrecht 95E			$\bar{K}^0 f_2(1270)$	Frabetti 94D Albrecht 93		
$\bar{K}^0 e^+ X$	Baker 91 Aso 95			$K^- a_2(1320)^+$	Anjos 92D Coffman 92B		
2charged (neutrals)	Enomoto 94 Enomoto 93			$\bar{K}^0 f_0(1400)$	Frabetti 94D Albrecht 93		
$K^- \pi^+ X$	Purohit 94 Albrecht 92O			$K^0 \bar{K}^0$	Frabetti 94I Anjos 92 Gittelman 91		
\bar{D}^0	Freyberger 96			$K^+ K^-$	Bartelt 95 Adamovich 94D Frabetti 94C Frabetti 94F Moroni 94 Jansen 93 Kaplan 93 Kwan 93 Barlag 92C Frabetti 92D Lipton 92 Peng 92 Shukla 92B Adamovich 91D Anjos 91B Gittelman 91 Spiegel 91 Alvarez 90D Anjos 90		
$e^- e^+$	Freyberger 96			$\bar{K}^*(892)^0 \pi^0$	Frabetti 94D Anjos 92C Procario 92B		
$\mu^- e^+$	Freyberger 96			$K^*(892)^- \pi^+$	Frabetti 95H Asratyan 94 Frabetti 94D Semenov 94 Albrecht 93 Kwan 93 Anjos 92C Frabetti 92B		
$\mu^+ e^-$	Freyberger 96						
$\mu^- \mu^+$	Freyberger 96 Adamovich 95B Alexopoulos 95B Mishra 94						
$2\pi^0$	Selen 93 Antreasyan 91 Gittelman 91						
$\pi^+ \pi^-$	Adamovich 94D Frabetti 94F Moroni 94 Jansen 93 Kaplan 93 Selen 93 Adamovich 92 Barlag 92C Lipton 92 Peng 92 Adamovich 91D Anjos 91B Gittelman 91 Spiegel 91 Anjos 90						
$K^+ \pi^-$	Bartelt 95 Danilov 94						

Entries in order of particle name, then decay. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). See the legend on page 331.

D^0 \bar{D}^0

<p>D^0</p> <p>$\phi(1020) \pi^+ \pi^-$ Frabetti 95B Albrecht 94J Semenov 94 Barlag 92C Lipton 92 Anjos 90</p> <p>$\bar{K}^0 \pi^- e^+ \nu_e$ Freyberger 94 Potter 91 Bai 90C</p> <p>$K^- \pi^0 e^+ \nu_e$ Freyberger 94 Potter 91 Bai 90C</p> <p>$\bar{K}^*(892)^0 \pi^- e^+ \nu_e$ Crawford 91 Potter 91</p> <p>$K^*(892)^- \pi^0 e^+ \nu_e$ Semenov 94</p> <p>$\bar{K}^*(892)^0 \pi^- \mu^+ \nu_\mu$ Gibaut 94B</p> <p>$\bar{K}^*(892)^0 \pi^- \mu^+ \nu_\mu +$</p> <p>$K^*(892)^- \pi^0 \mu^+ \nu_\mu$ Kodama 93B</p> <p>$K^*(892)^- \pi^0 \mu^+ \nu_\mu$ Gibaut 94B</p> <p>$2\pi^+ 2\pi^-$ Frabetti 95B Adamovich 94D Kwan 93 Barlag 92C Frabetti 92D Lipton 92 Shukla 92B Adamovich 91D Ammar 91B Spiegel 91 Anjos 90</p> <p>$K^+ \pi^+ 2\pi^-$ Ammar 91B</p> <p>$\bar{K}^0 \pi^+ \pi^0 \pi^-$ Albrecht 92G Barlag 92C Coffman 92B Kinoshita 90</p> <p>nonres $< \bar{K}^0 \pi^+ \pi^0 \pi^- >$ Coffman 92B</p> <p>$K^- \pi^+ 2\pi^0$ Barlag 92C</p> <p>$K^- 2\pi^+ \pi^-$ Abe 96E Abreu 96C Abreu 95L Abreu 95S Adamovich 95 Akers 95F Akers 95R Albrecht 95D Albrecht 95H Alexander 95C Asratyan 95 Blair 95 Buskulic 95C Buskulic 95J Buskulic 95L Buskulic 95S Frabetti 95I Garbincius 95 Gardner 95 Gibaut 95 Papadimitriou 95 Skarha 95 Adamovich 94D Alam 94C Albrecht 94L Asratyan 94 Athanas 94 Colas 94 Dejongh 94 Frabetti 94E Frabetti 94G Johns 94</p>	<p>D^0</p> <p>Litvintsev 94 Moroni 94 Semenov 94 Adamovich 93D Akers 93E Albrecht 93D Alexander 93 Alves 93 Alves 93B Barlag 93 Buskulic 93D Buskulic 93I Buskulic 93P Forty 93 Frabetti 93E Kwan 93 Sakuda 93 Sefkow 93 Seywerd 93 Stone 93 Suzuki 93C Adamovich 92 Albrecht 92B Albrecht 92H Albrecht 92K Albrecht 92P Alvarez 92 Anjos 92D Barlag 92 Barlag 92C Benedic 92 Coffman 92B Drell 92 Frabetti 92D Kodama 92C Procario 92B Shukla 92 Shukla 92B Adamovich 91D Aihara 91 Albrecht 91J Albrecht 91K Ammar 91B Bortoletto 91 Coffman 91 Frabetti 91 Kubota 91 Nurushev 91 Okamoto 91 Shirai 91 Spiegel 91 Alvarez 90D Barlag 90E</p> <p>nonres $< K^- 2\pi^+ \pi^- >$ Coffman 92B</p> <p>$K^+ K^- \pi^+ \pi^-$ Frabetti 95B Albrecht 94J Danilov 94 Litvintsev 94 Semenov 94 Barlag 92C Lipton 92 Ammar 91B Spiegel 91 Anjos 90</p> <p>$2K_S \pi^+ \pi^-$ Albrecht 94J Danilov 94 Litvintsev 94 Semenov 94 Barlag 92C</p> <p>$K^+ \bar{K}^0 K^- \pi^0$ Barlag 92C</p> <p>$K^+ 2K^- \pi^+$ Frabetti 95B Johns 94</p> <p>$\mu^- \mu^+ \text{hadron}^+ \text{hadron}^-$ neutral Kodama 95</p> <p>$K^- \pi^+ \pi^- \mu^+ \nu_\mu$ Gibaut 94B Kodama 93B</p> <p>$2\pi^+ \pi^0 2\pi^-$ Barlag 92C</p>	<p>D^0</p> <p>$\bar{K}^0 2\pi^+ 2\pi^-$ Albrecht 92G Barlag 92C Ammar 91B Spiegel 91</p> <p>$K^- 2\pi^+ \pi^0 \pi^-$ Albrecht 92G Barlag 92C Spiegel 91 Kinoshita 90</p> <p>$K^+ K^- \pi^+ \pi^0 \pi^-$ Barlag 92C</p> <p>$3\pi^+ 3\pi^-$ Barlag 92C</p> <p>\bar{D}</p> <p>Garbincius 95 Moroni 94 Barlag 93 Frabetti 93E Kwan 93 Alvarez 92 Appel 92 Berge 92 Yeh 92 Alvarez 91B Bari 91B Barlag 91 Rossi 91 Spiegel 91</p> <p>$\mu^- X$ Aoki 91C</p> <p>$\bar{K} \pi$ Acton 93D</p> <p>$\bar{K} 2\pi$ Acton 93D</p> <p>\bar{D}^0</p> <p>Karchin 95 Ukegawa 95 Albrecht 94N Byrum 94 Freyberger 94 Jones 94B Payne 94 Purohit 94 Shochet 94 Skarha 94 Adamovich 93D Akers 93E Barlag 93 Browder 93 Buskulic 93D Buskulic 93P Deangelis 93 Jansen 93 Kwan 93 Sefkow 93 Coffman 92B Feindt 92B Kodama 92C Albrecht 91J Ammar 91B Antreasyan 91 Barlag 91 Coffman 91 Potter 91 Kinoshita 90</p> <p>$e^- X$ Bai 90C</p> <p>$e^- \bar{\nu} X$ Kubota 95</p> <p>$e^- \nu_e X$ Albrecht 95E</p> <p>$\mu^- \nu_\mu X$ Albrecht 95E</p> <p>2charged (neutrals) Aso 95</p> <p>$K^+ \pi^- X$ Enomoto 94 Enomoto 93</p> <p>$e^- e^+$ Freyberger 96</p>	<p>\bar{D}^0</p> <p>$\mu^- e^+$ Freyberger 96</p> <p>$\mu^+ e^-$ Freyberger 96</p> <p>$\mu^- \mu^+$ Freyberger 96 Adamovich 95B Alexopoulos 95B Mishra 94</p> <p>$\pi^+ \pi^-$ Adamovich 94D Moroni 94</p> <p>$K^+ \pi$ Wormser 94</p> <p>$K^+ \pi^-$ Abe 96E Abreu 96C Abreu 95L Abreu 95S Adamovich 95 Akers 95F Akers 95R Albrecht 95D Albrecht 95H Alexander 95C Artuso 95B Asratyan 95 Bargende 95 Bartelt 95 Buskulic 95C Buskulic 95J Buskulic 95L Derrick 95 Duboscq 95 Frabetti 95I Garbincius 95 Gibaut 95 Kubota 95 Papadimitriou 95 Skarha 95 Adamovich 94D Akers 94H Albrecht 94L Barreiro 94 Brisson 94B Buskulic 94L Dejongh 94 Frabetti 94C Frabetti 94G Frabetti 94I Johns 94 Kuhlmann 94B Leitch 94 Lewis 94B Moroni 94 Abreu 93G Buskulic 93I Cattaneo 93 Forty 93 Kwan 93 Nakano 93 Nau 93 Sakuda 93 Suzuki 93C Albrecht 92H Albrecht 92O Alvarez 92 Alves 92 Alves 92B Bencheikh 92 Boucrot 92 Kroha 92B Sarmiento 92 Alexander 91 Cronstrom 91 Decamp 91J Geerts 91 Trischuk 91</p> <p>$K^- \pi^+$ Bartelt 95 Bergfeld 94B</p> <p>$K_S \pi^0$ Bartelt 95 Dejongh 94</p>
--	--	---	--

Entries in order of particle name, then decay. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). See the legend on page 331.

\bar{D}^0	\bar{D}^0	\bar{D}^0	D^-
$K^0 \bar{K}^0$	$K^*(892)^0 \mu^- \mu^+$	$\mu^- \mu^+$ hadron ⁺ hadron ⁻	$\pi^+ 2\pi^-$
$K^+ K^-$	$\phi(1020) e^- e^+$	neutral	Aitala 95
	$\phi(1020) \mu^- e^+$	Kodama 95	Adamovich 94D
	$\phi(1020) \mu^+ e^-$		Moroni 94
$K^*(892)^0 \bar{K}^*(892)^0$	$\phi(1020) \mu^+ \mu^-$		$K^+ 2\pi^-$
$\phi(1020) \rho^0$	$\phi(1020) \mu^- \mu^+$		Aitala 96
$K_S \phi(1020)$	$K^+ \pi^0 \pi^-$		Abreu 95L
$\pi^+ e^- \bar{\nu}_e$	Abe 96E		Adamovich 95
$\pi^0 e^- e^+$	Abreu 96C		Aitala 95
$\pi^0 \mu^- e^+$	Abreu 95S		Akers 95F
$\pi^0 \mu^+ e^-$	Artuso 95B		Akers 95R
$\pi^0 \mu^- \mu^+$	Buskulic 95C		Alexander 95C
$\eta e^- e^+$	Buskulic 95J		Buskulic 95L
$\eta \mu^- e^+$	Buskulic 95J		Frabetti 95D
$\eta \mu^+ e^-$	Duboscq 95		Frabetti 95I
$\eta \mu^- \mu^+$	Gibaut 95		Garbincius 95
$\rho^0 e^- e^+$	Dejongh 94		Gibaut 95
$\rho^0 \mu^- e^+$	King 94		Adamovich 94D
$\rho^0 \mu^+ e^-$	Buskulic 93I		Appel 94
$\rho^0 \mu^- \mu^+$	Nakano 93		Asratyan 94
$\omega e^- e^+$	Sakuda 93		Carter 94
$\omega \mu^- e^+$	Suzuki 93C		Carter 94B
$\omega \mu^- \mu^+$			Chudakov 94
$K^+ e^- \bar{\nu}$	$K^0 \pi^+ \pi^-$		Dejongh 94
$K^+ e^- \bar{\nu}_e$	$K_S \pi^+ \pi^-$		Frabetti 94G
$K^0 e^- e^+$	Asratyan 95		King 94
$K^0 \mu^- e^+$	Albrecht 94L		Moroni 94
$K^0 \mu^+ e^-$	Dejongh 94		Wormser 94
$K^+ \mu^- \bar{\nu}_\mu$	Frabetti 94I		Abreu 93G
$K^0 \mu^- \mu^+$	Frabetti 95B		Adamovich 93D
$K^*(892)^+ e^- \bar{\nu}_e$	$3K_S$		Forty 93
$K^*(892)^0 e^- e^+$	$\bar{K}^*(892)^0 K^+ \pi^-$		Kwan 93
$K^*(892)^0 \mu^- e^+$	$\phi(1020) \pi^+ \pi^-$		Alves 92
$K^*(892)^0 \mu^+ e^-$	$K^+ \pi^0 e^- \bar{\nu}_e$		Alves 92B
$K^*(892)^+ \mu^- \bar{\nu}_\mu$	$K^0 \pi^+ e^- \bar{\nu}_e$		$K^+ K^- \pi^-$
$K^0 \mu^- \mu^+$	$2\pi^+ 2\pi^-$		Frabetti 95
$K^*(892)^+ e^- \bar{\nu}_e$	$K^+ \pi^+ 2\pi^-$		Gardner 95
$K^*(892)^0 e^- e^+$	Abe 96E		Frabetti 94C
$K^*(892)^0 \mu^- e^+$	Abreu 96C		Moroni 94
$K^*(892)^0 \mu^+ e^-$	Abreu 95L		
$K^*(892)^+ \mu^- \bar{\nu}_\mu$	Abreu 95S		$K^+ 2K^-$
$K^*(892)^+ \mu^- \bar{\nu}_\mu$	Adamovich 95		Frabetti 95E
$K^*(892)^+ \mu^- \bar{\nu}_\mu$	Akers 95F		Adamovich 94D
$K^*(892)^+ \mu^- \bar{\nu}_\mu$	Akers 95R		Aleev 93C
$K^*(892)^+ \mu^- \bar{\nu}_\mu$	Albrecht 95D		$K^+ \pi^- e^- \bar{\nu}_e$
$K^*(892)^+ \mu^- \bar{\nu}_\mu$	Albrecht 95H		Bai 90C
$K^*(892)^+ \mu^- \bar{\nu}_\mu$	Alexander 95C		$K_S \pi^+ 2\pi^-$
$K^*(892)^+ \mu^- \bar{\nu}_\mu$	Asratyan 95		Aleev 93C
$K^*(892)^+ \mu^- \bar{\nu}_\mu$	Blair 95		Moroni 94
$K^*(892)^+ \mu^- \bar{\nu}_\mu$	Buskulic 95C		
$K^*(892)^+ \mu^- \bar{\nu}_\mu$	Buskulic 95J		$D^*(2010)^\pm$
$K^*(892)^+ \mu^- \bar{\nu}_\mu$	Buskulic 95L		Gardner 95
$K^*(892)^+ \mu^- \bar{\nu}_\mu$	Frabetti 95I		Akers 94S
$K^*(892)^+ \mu^- \bar{\nu}_\mu$	Garbincius 95		Enomoto 94
$K^*(892)^+ \mu^- \bar{\nu}_\mu$	Gibaut 95		Frabetti 94C
$K^*(892)^+ \mu^- \bar{\nu}_\mu$	Papadimitrio 95		Alves 93
$K^*(892)^+ \mu^- \bar{\nu}_\mu$	Skarha 95		Alves 93B
$K^*(892)^+ \mu^- \bar{\nu}_\mu$	Adamovich 94D		Buskulic 93P
$K^*(892)^+ \mu^- \bar{\nu}_\mu$	Albrecht 94L		Albrecht 92H
$K^*(892)^+ \mu^- \bar{\nu}_\mu$	Albrecht 94U		Kodama 92C
$K^*(892)^+ \mu^- \bar{\nu}_\mu$	Dejongh 94		Capon 91
$K^*(892)^+ \mu^- \bar{\nu}_\mu$	Frabetti 94G		Geerts 91
$K^*(892)^+ \mu^- \bar{\nu}_\mu$	Moroni 94		
$K^*(892)^+ \mu^- \bar{\nu}_\mu$	Aleev 93D		$D^*(2010)$
$K^*(892)^+ \mu^- \bar{\nu}_\mu$	Buskulic 93I		Athanas 94
$K^*(892)^+ \mu^- \bar{\nu}_\mu$	Sakuda 93		Enomoto 93
$K^*(892)^+ \mu^- \bar{\nu}_\mu$	Suzuki 93C		Albrecht 92O
$K^*(892)^+ \mu^- \bar{\nu}_\mu$	Albrecht 92H		Appel 92
$K^*(892)^+ \mu^- \bar{\nu}_\mu$	Frabetti 95B		Boucrot 92
$2K^+ K^- \pi^-$	Frabetti 95B		Crawford 91B
$2K^+ K^- \pi^-$	Frabetti 95B		Lesiak 91
$2K^+ K^- \pi^-$	Frabetti 95B		Akers 94S
$2K^+ K^- \pi^-$	Frabetti 95B		$D^0 \pi$
$2K^+ K^- \pi^-$	Frabetti 95B		$D^*(2010)^+$
$2K^+ K^- \pi^-$	Frabetti 95B		Akers 95F
$2K^+ K^- \pi^-$	Frabetti 95B		Ukegawa 95
$2K^+ K^- \pi^-$	Frabetti 95B		Abreu 94K

D_s^+

$D_{s1}(2536)^+$

<p>D_s^+</p> <p>Muheim 93B Barlag 92C Frabetti 92D Lipton 92 Shukla 92B Albrecht 91J</p> <p>$3\pi^+ 2\pi^-$ Barlag 92C</p> <p>$K^+ K^- 2\pi^+ \pi^-$ Barlag 92C</p> <p>$3\pi^+ \pi^0 2\pi^-$ Barlag 92C</p>	<p>D_s^-</p> <p>$K^*(892)^- K^0$ Abreu 94I Frabetti 94J Asratyan 92</p> <p>$\bar{K}^*(892)^0 K^-$ Frabetti 95</p> <p>$K^*(892)^0 K^*(892)^-$ Buskulic 95T Asratyan 92</p> <p>$K_0^*(1430)^0 K^-$ Gardner 95</p> <p>$\bar{K}_0^*(1430)^0 K^-$ Frabetti 95</p> <p>$\phi(1020) \pi^-$ Akers 95P Artuso 95B Buskulic 95I Buskulic 95T Derwent 95 Frabetti 95 Frabetti 95D Frabetti 95E Garbincius 95 Gardner 95 Gibaut 95 Gronberg 95 Skarha 95 Abe 94X Abreu 94I Adamovich 94D Akers 94H Appel 94 Bai 94 Bai 94B Buskulic 94B Cdfcollabora 94B Fan 94B Jones 94B Lewis 94B Mueller 94 Skarha 94 Wormser 94 Acton 93L Cattaneo 93 Frabetti 93B Frabetti 93G Muheim 93B Pater 93 Seywerd 93 Stone 93 Acton 92M Asratyan 92 Boucrot 92 Buskulic 92 Asratyan 90</p> <p>$\phi(1020) \rho^-$ Gibaut 95</p> <p>$K^- \phi(1020)$ Frabetti 95E</p> <p>$\eta e^- \bar{\nu}_e$ Brandenburg 95</p> <p>$\eta \mu^- \bar{\nu}_\mu$ Brandenburg 95</p> <p>$\eta' e^- \bar{\nu}_e$ Brandenburg 95</p> <p>$\eta' \mu^- \bar{\nu}_\mu$ Brandenburg 95</p> <p>$K^*(892)^0 e^- \bar{\nu}_e$ Albrecht 91B</p> <p>$\phi(1020) e^- \bar{\nu}_e$ Brandenburg 95 Buskulic 95T Avery 94B Albrecht 91B</p> <p>$\phi(1020) \mu^- \bar{\nu}_\mu$ Brandenburg 95 Buskulic 95T Moroni 94 Frabetti 93G</p>	<p>D_s^-</p> <p>$\pi^+ 2\pi^-$ Aitala 95 Adamovich 94D Moroni 94</p> <p>$K^- \pi^+ \pi^-$ Frabetti 95D Frabetti 95E</p> <p>$K^0 \bar{K}^0 \pi^-$ Asratyan 90</p> <p>$K^+ K^- \pi^-$ Frabetti 95 Frabetti 95D Frabetti 95I Gardner 95 Moroni 94 Barlag 91</p> <p>$\phi(1020) \pi^0 \pi^-$ Asratyan 90</p> <p>$\phi(1020) \pi^+ 2\pi^-$ Buskulic 95T</p> <p>D_s^*</p> <p>$D_s^+ \pi^+ \gamma$ Albrecht 91J Acosta 93</p> <p>D_s^{*+}</p> <p>$D_s^+ \gamma$ Artuso 95B Gibaut 95 Gronberg 95 Brown 94 Alexander 93 Alexander 93B Muheim 93 Muheim 93B Asratyan 92 Albrecht 91J</p> <p>D_s^{*-}</p> <p>$D_s^- \gamma$ Alexander 93B Gittelman 91</p> <p>$D_s^- \pi^0$ Artuso 95B Gibaut 95 Gronberg 95 Muheim 93B Asratyan 92 Asratyan 90 Gronberg 95</p> <p>$D_1(2420)^+$ $D^*(2010)^0 \pi^+$ Bergfeld 94B</p> <p>$D_1(2420)^0$ $D^+ \pi^-$ Alam 94C Stone 93 Shukla 92</p> <p>$D^*(2010)^+ \pi^-$ Asratyan 95 Albrecht 94I Avery 94 Buskulic 94L Colas 94 Frabetti 94E Buskulic 93P Cattaneo 93 Stone 93 Albrecht 92P Shukla 92 Shukla 92B</p> <p>$\bar{D}_1(2420)^0$ $D^*(2010)^- \pi^+$ Akers 95F Moroni 94 Cattaneo 93</p> <p>$D_2^*(2460)^-$ $\bar{D}^0 \pi^-$ Akers 95F Bergfeld 94B Moroni 94</p> <p>$\bar{D}^*(2010)^0 \pi^-$ Bergfeld 94B</p> <p>$D_{s1}(2536)^+$ $D^0 K^+$ Danilov 94 Alexander 93</p> <p>$D^+ K_S$ Alexander 93</p> <p>$D^*(2010)^+ \gamma$ Alexander 93</p>	<p>$\bar{D}_1(2420)^0$ Moroni 94 Cattaneo 93</p> <p>$D_1(2420)^-$ $\bar{D}^*(2010)^0 \pi^-$ Bergfeld 94B</p> <p>$D_J(2440)^+$ $D^0 \pi^+$ Akers 95F</p> <p>$D_J(2440)^0$ $D^*(2010)^+ \pi^-$ Akers 95F</p> <p>$\bar{D}_J(2440)^0$ $D^*(2010)^- \pi^+$ Akers 95F</p> <p>$D_J(2440)^-$ $\bar{D}^0 \pi^-$ Akers 95F</p> <p>$D_2^*(2460)^+$ $D^0 \pi^+$ Akers 95F Bergfeld 94B Frabetti 94E Moroni 94 Bergfeld 94B</p> <p>$D_2^*(2460)^0$ $D^+ \pi^-$ Alam 94C Akers 95F Avery 94 Frabetti 94E Moroni 94 Stone 93 Shukla 92</p> <p>$D^*(2010)^+ \pi^-$ Asratyan 95 Albrecht 94I Avery 94 Buskulic 94L Colas 94 Frabetti 94E Buskulic 93P Cattaneo 93 Stone 93 Albrecht 92P Shukla 92 Shukla 92B</p> <p>$\bar{D}_2^*(2460)^0$ $D^- \pi^+$ Buskulic 93P</p> <p>$D^- \pi^+$ Akers 95F Moroni 94</p> <p>$D^*(2010)^- \pi^+$ Asratyan 95 Cattaneo 93</p> <p>$D_2^*(2460)^-$ $\bar{D}^0 \pi^-$ Akers 95F Bergfeld 94B Moroni 94</p> <p>$\bar{D}^*(2010)^0 \pi^-$ Bergfeld 94B</p> <p>$D_{s1}(2536)^+$ $D^0 K^+$ Danilov 94 Alexander 93</p> <p>$D^+ K_S$ Alexander 93</p> <p>$D^*(2010)^+ \gamma$ Alexander 93</p>
---	---	--	---

Entries in order of particle name, then decay. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). See the legend on page 331.

$D_{s1}(2536)^+$ $J/\psi(1S)$

$D_{s1}(2536)^+$	$\eta_c(1S)$	$J/\psi(1S)$	$J/\psi(1S)$
$D^*(2010)^+ K^0$ Asratyan 94 Frabetti 94E	$2\pi^+ 2\pi^-$ Albrecht 94M Adriani 93K Bisello 90B	hadron (hadrons) Bai 95B	Skarha 95 Tserruya 95
$D^*(2010)^0 K^+$ Asratyan 94 Frabetti 94E Alexander 93 Albrecht 92N	$K^+ \pi^+ 2\pi^-$ Albrecht 94M	2hadron (hadrons) Hsueh 92	Abe 94D Abe 94X Abe 94ZF Abreu 94I Abreu 94M Ahmed 94D Alexopoulos 94B Antoniazzi 94 Antoniazzi 94B Anwaywiese 94
$D^*(2010)^+ K_S$ Alexander 93 Shukla 92	$K^- 2\pi^+ \pi^-$ Albrecht 94M	$\ell^+ \ell^-$ Aid 96C Shelkov 93 Hsueh 92 Trischuk 91	Arneodo 94 Athanias 94 Balest 94C Barreiro 94 Byrum 94 Cdfcollabora 94B Cdfcollabora 94F Daniels 94 Dejongh 94 Garbincius 94 Haas 94 Hara 94 Hedin 94 Jansen 94 Jesik 94 Karen 94 Kim 94 Kowitt 94 Lewis 94 Lourenco 94 Mishra 94 Mueller 94 Plunkett 94 Shochet 94
$D_s^{*+} \gamma$ Alexander 93	$K^+ K^- \pi^+$ Albrecht 94M Adriani 93K	$e^- e^+$ Abreu 95O Alexander 95E Bai 95B Bishai 95B Derrick 95F Mass 95 Abreu 94M Ahmed 94D Alexander 94B Athanias 94 Balest 94C Barreiro 94 Cester 94 Gollwitzer 94 Haas 94 Menichetti 94 Shochet 94 Armstrong 93D Bauer 93C Cattaneo 93 Forty 93 Pordes 93 Ray 93 Seywerd 93 Zhu 93 Albrecht 92H Armstrong 92C Armstrong 92E Boucrot 92 Buskalic 92H Coffman 92 Hsueh 92 Ray 92 Tuan 92 Albrecht 91D Alexander 91I Armstrong 91B Armstrong 91D Bortoletto 91 Jin 91 Uehara 91	Arneodo 94 Athanias 94 Balest 94C Barreiro 94 Byrum 94 Cdfcollabora 94B Cdfcollabora 94F Daniels 94 Dejongh 94 Garbincius 94 Haas 94 Hara 94 Hedin 94 Jansen 94 Jesik 94 Karen 94 Kim 94 Kowitt 94 Lewis 94 Lourenco 94 Mishra 94 Mueller 94 Plunkett 94 Shochet 94 Skarha 94 Abe 93J Abe 93N Abe 93Q Abe 93Y Abe 93ZG Adriani 93I Bauer 93C Cattaneo 93 Denisov 93 Forty 93 Frabetti 93D Jansen 93 Kaplan 93 Lebrun 93 Lourenco 93 Lukens 93 Mangano 93 Papadimitrio 93 Papadimitrio 93B Papadimitrio 93C Pierre 93 Pordes 93 Ronceux 93 Ronceux 93B Schneider 93 Seywerd 93 Shaw 93 Skarha 93 Wenzel 93 Zylberstejn 93
$D_{s1}(2536)^-$	$2K^+ 2K^-$ Albrecht 94M		Abe 92 Abe 92E Abe 92G Albrecht 92H Antoniazzi 92 Antoniazzi 92B Arneodo 92 Ashman 92 Barbarogalti 92 Boswell 92 Boucrot 92 Buskalic 92H Coffman 92 Dellagnello 92 Fuess 92 Gauthier 92 Kowitt 92
$D^*(2010)^- \bar{K}^0$ Asratyan 94	$h_c(1P)$ Menichetti 94		
$D_{sJ}(2564)^+$	$J/\psi(1S) X$ Tuan 92		
$D^0 K^+$ Danilov 94	$\eta_c(1S) \gamma$ Gollwitzer 94		
$D^*(2010)^0 K^+$ Danilov 94	$J/\psi(1S) \pi^0$ Antoniazzi 94B Garbincius 94 Gollwitzer 94 Armstrong 92C Tuan 92		
$D_{s2}(2573)^+$	$\psi(2S) \pi^0$ Garbincius 94		
$D^0 K^+$ Albrecht 95D	$J/\psi(1S) 2\pi^0$ Gollwitzer 94 Armstrong 92C Tuan 92		
$D_{s2}(2573)^-$	$J/\psi(1S) \pi^+$ Gollwitzer 94 Armstrong 92C Tuan 92		
$\bar{D}^0 K^-$ Albrecht 95D	$J/\psi(1S)$ Abe 95T Albajar 95 Anwaywiese 95 Arneodo 95D Baglin 95 Conrad 95 Gribushin 95 Lourenco 95 Akers 94H Alam 94C Albrecht 94P Anwaywiese 94 Baglin 94 Bailey 94 Barker 94 Bazizi 94 Brisson 94B Cdfcollabora 94E Garbincius 94 Payne 94 Shevchenko 94 Wormser 94 Adriani 93B Crane 93 Huffman 93 Stone 93 Trippe 93 Acton 92M Baglin 92B Drell 92B Leitch 92 Maeshima 92 Schmidt 92B Tuan 92 Geist 91 Gittelmann 91 Jacob 91 Odyniec 91B Raha 91 Rossi 91 Schukraft 91 Spiegel 91		
$\eta_c(1S)$	$J/\psi(1S)$ Abe 95T Albajar 95 Anwaywiese 95 Arneodo 95D Baglin 95 Conrad 95 Gribushin 95 Lourenco 95 Akers 94H Alam 94C Albrecht 94P Anwaywiese 94 Baglin 94 Bailey 94 Barker 94 Bazizi 94 Brisson 94B Cdfcollabora 94E Garbincius 94 Payne 94 Shevchenko 94 Wormser 94 Adriani 93B Crane 93 Huffman 93 Stone 93 Trippe 93 Acton 92M Baglin 92B Drell 92B Leitch 92 Maeshima 92 Schmidt 92B Tuan 92 Geist 91 Gittelmann 91 Jacob 91 Odyniec 91B Raha 91 Rossi 91 Schukraft 91 Spiegel 91		
2γ Armstrong 95 Albrecht 94M Cester 94 Gollwitzer 94 Menichetti 94 Adriani 93K Pordes 93 Ray 93 Bisello 90B	X Bai 95B Jin 91	$\mu^- \mu^+ + e^- e^+$ Adriani 92D	
$2\rho^0$ Bisello 90B		$\mu^- \mu^+$ Abachi 96 Abachi 95ZB Abachi 95ZL Abe 95E Abe 95N Abe 95O Abe 95P Abe 95R Abe 95X Abe 95ZB Abe 95ZC Abe 95ZI Abreu 95O Alexander 95E Alexopoulos 95B Alexopoulos 95D Baglin 95B Bai 95B Bauer 95 Bazizi 95 Bishai 95B Derrick 95F Derwent 95 Garbincius 95 Leitch 95 Markosky 95 Mass 95 Papadimitrio 95 Sansoni 95 Schub 95	
$\rho^+ \rho^-$ Bisello 90B			
2ω Bisello 90B			
$K^*(892)^0 \bar{K}^*(892)^0$ Adriani 93K Bisello 90B			
$2\phi(1020)$ Albrecht 94M Balest 94C Bisello 90B			
$p \bar{p}$ Bisello 90B			
$\Lambda \bar{\Lambda}$ Bisello 90B			
$\eta \pi^+ \pi^-$ Adriani 93K			
$\eta' \pi^+ \pi^-$ Adriani 93K			
$K^+ K^- \pi^0$ Adriani 93K Bisello 90B			
$K^+ K_S \pi^-$ Albrecht 94M Bisello 90B			
$K^+ K_S \pi^- + K_S K^- \pi^+$ Adriani 93K			
$K_S K^- \pi^+$ Albrecht 94M Bisello 90B			
$K^*(892)^0 K^- \pi^+ + \bar{K}^*(892)^0 K^+ \pi^-$ Adriani 93K			
$K^+ K^- \phi(1020)$ Albrecht 94M			

$\psi(3770)$

bottom

$\psi(3770)$	bottom	bottom	bottom
$\mu^- \mu^+$		Abe 94Q Abe 94V Abe 94Z Bazizi 94 Cdfcollabora 94D Frisch 94 Hara 94 Sphicas 94 Tollestrup 94 Williams 94 Acton 93K Forty 93 Papadimitrio 93C Sakuda 93 Seywerd 93 Acton 91F Decamp 90M	Sansoni 91 Daniels 94
$D^0 \bar{D}^0$			Colas 91 Drell 92B
$D^+ D^-$			Drell 92B
$J/\psi(1S) \pi^+ \pi^-$	$e^+ X$		Rollnik 92 Settles 92
$\chi_c(\text{unspec})$	$\mu^- X$		Acciarri 95C
$J/\psi(1S) X$			Settles 92
$\eta_c(1S) \gamma$			Sansoni 91
$J/\psi(1S) \gamma$			Acciarri 95C
$J/\psi(1S) \pi^0$			Byrum 94
$J/\psi(1S) \pi^+ \pi^-$			$D^*(2010)^+ \mu^- X$
bottom			charged (charged) X Cdfcollabora 94D
Akers 95I Albajar 95 Shochet 94 Skarha 94 Adriani 93B Akers 93H Akers 93I Albajar 93B Biebel 93 Kodama 93 Kwan 93 Suzuki 93C Acton 92B Barbarogalti 92 Feindt 92B Schumm 92 Abreu 91D Albajar 91 Albajar 91C Atwood 91 Jacobsen 91B Maki 91 Wenzel 91			hadron (hadrons) X Grassmann 95 Kopp 95 Abe 94Z Tollestrup 94 Williams 94
X			2hadron (hadrons) Gerdes 94 Hara 94 Forty 93 Jacobsen 91
ℓX			2charged (charged) X Cdfcollabora 94C
$\ell^- X$			jet Abachi 94B Antos 94 Buskuclic 94H Gerdes 94 Grannis 94 Jensen 94 Lidemarteanu 94 Raja 94
$e^\pm X$			bottom Hara 94 Forty 93 Decamp 91D
$e^- X$			ℓ jet Adeva 91C
			e^- jet Antos 94 Jensen 94 Nakano 94
			μ^\pm jet Raja 94 Adeva 91J
			μ^- jet Abachi 94B Antos 94 Grannis 94 Jensen 94 Lidemarteanu 94 Forty 93
			bottom
			Albajar 95 Adriani 93B Akers 93 Albajar 93B Buskuclic 93M Kodama 93 Kwan 93 Suzuki 93C Acton 92B Feindt 92B Rollnik 92 Abreu 91D Albajar 91C Alexander 91I
			Dydak 91 Jacobsen 91 Jacobsen 91B Maki 91
			X Buskuclic 93N
			$\ell^+ X$ Buskuclic 95E Buskuclic 92F
			$e^+ X$ Beretvas 95 Grassmann 95 Kopp 95 Strovink 95
			$\mu^+ X$ Beretvas 95 Grassmann 95 Kopp 95 Strovink 95 Abachi 94C Abe 94Q Abe 94V Abe 94Z Bazizi 94 Cdfcollabora 94D Frisch 94 Hara 94 Sphicas 94 Tollestrup 94 Williams 94 Acton 93K Papadimitrio 93C Sakuda 93 Acton 91F Decamp 90M
			$J/\psi(1S) X$ Bazizi 94 Daniels 94 Hedin 94 Trippe 93
			$\psi(2S) X$ Daniels 94
			$e^+ \nu_e X$ Acciarri 95C
			$\mu^+ \nu_\mu X$ Acciarri 95C
			$\bar{D}^0 \mu^+ X$ Byrum 94
			$D^*(2010)^- \mu^+ X$ Byrum 94
			charged (charged) X Cdfcollabora 94D
			hadron (hadrons) X Grassmann 95 Kopp 95 Abe 94Z

B^+

B^0

B^+	B^+	B^0	B^0		
Cattaneo 93 Crane 93 Huffman 93 Lebrun 93 Lukens 93 Mangano 93 Papadimitrio 93 Papadimitrio 93B Schneider 93 Shaw 93 Skarha 93 Wenzel 93 Barbarogalti 92 Boucrot 92 Buskulic 92H Gauthier 92 Yeh 92 Albajar 91D Wenzel 91	Skarha 95 Anwaywiese 94 Albrecht 89U $K^*(892)^+ e^- e^+$ $K^*(892)^+ \mu^- \mu^+$ $\bar{D}^0 \ell^+ \nu$ $\bar{D}^0 e^+ \nu$ $\bar{D}^0 e^+ \nu_e$ $\bar{D}^0 \mu^+ \nu$ $\bar{D}^0 \mu^+ \nu_\mu$ $D^*(2010)^0 \ell^+ \bar{\nu}$ $\bar{D}^*(2010)^0 \ell^+ \nu$ $\bar{D}^*(2010)^0 e^+ \nu_e$ $\bar{D}^*(2010)^0 \mu^+ \nu_\mu$ $K^+ \pi^+ \pi^-$ $2K^+ K^-$ $K^*(892)^+ \pi^+ \pi^-$ $K^*(892)^+ K^+ K^-$ $D_s^- K^+ \pi^+$ $D_s^- K^*(892)^+ \pi^+$ $K^+ J/\psi(1S) \pi^0$ $K^0 J/\psi(1S) \pi^+$ $\bar{K}^0 J/\psi(1S) \pi^+$ $\bar{\Lambda}_c^- p \pi^+$ $K^+ J/\psi(1S) \pi^+ \pi^-$ $\bar{\Lambda}_c^- p 2\pi^+ \pi^-$	Ukegawa 95 Jones 94B Abreu 95L Akers 95R Alexander 95C Buskulic 95L Ukegawa 95 Kroha 93 Dejongh 94 Abe 95ZN Jones 94B Sanghera 92 Abe 95ZN Jones 94B Sanghera 92 Albrecht 89U Albrecht 89U Albrecht 89U Albrecht 89U Albrecht 93B Besson 93B Albrecht 93B Besson 93B Albrecht 94P Albrecht 94P Cattaneo 93 Payne 94 Cattaneo 93 Payne 94	Fulton 90 $\ell^- X$ $\ell^+ X$ $e^- X$ $e^+ X$ $\mu^- X$ $\mu^+ X$ hadron (hadrons) $K^+ X$ $K^- X$ $K_S X$ $\bar{D}^0 X$ $D^*(2010)^- X$ $J/\psi(1S) X$ $\chi_{c1}(1P) X$ $\chi_{c2}(1P) X$ $\ell^+ \nu X$ $\ell^- \bar{\nu} X$ $e^+ \nu_e X$ $\mu^+ \nu_\mu X$ $\mu^- \mu^+ X$ $D^0 e^- X$ $\bar{D}^0 e^+ X$ $D^- e^+ X$ $D^0 \mu^- X$	Akers 95E Akers 94G Adeva 92 Albrecht 92K Forty 93 Barbarogalti 92 Abe 91N Nau 93 Yeh 92 Dydak 91 Song 91 Abachi 95R Abe 95U Abe 95Y Ragan 95 Albajar 93B Denisov 93 Forty 93 Igarashi 93 Zylberstejn 93 Barbarogalti 92 Abe 91N Albajar 91C Nau 93 Yeh 92 Dydak 91 Song 91 Dejongh 94 Albrecht 95H Albrecht 94R Albrecht 94R Albrecht 94R Nau 93 Albrecht 95H Abreu 94K Akers 94G Buskulic 93I Nau 93 Garbincius 94 Trischuk 91 Gittelman 91 Gittelman 91 Kroha 93 Schafer 91 Besson 93B Henderson 91 Mai 91 Besson 93B Shaw 93 Henderson 91 Mai 91 Barbarogalti 92 Lewis 94B Nau 93 Jones 94B Wormser 94 Lewis 94B	$\bar{D}^0 \mu^+ X$ $D^- \mu^+ X$ $D^*(2010)^- \ell^+ X$ $D^*(2010)^+ e^- X$ $D^*(2010)^- e^+ X$ $D^*(2010)^+ \mu^- X$ $D^*(2010)^- \mu^+ X$ $\ell^- \bar{\nu}$ hadron (hadrons) μ^- hadron (hadrons) X $K^+ \ell^+ \nu X$ $K^- \ell^+ \nu X$ $K_S \ell^+ \nu X$ $K^+ e^+ \nu_e X$ $K^- e^+ \nu_e X$ $K_S e^+ \nu_e X$ $K^+ \mu^+ \nu_\mu X$ $K^- \mu^+ \nu_\mu X$ $K_S \mu^+ \nu_\mu X$ $D^*(2010)^+ e^- \bar{\nu}_e X$ $D^*(2010)^- e^+ \nu_e X$ $D^*(2010)^+ \mu^- \bar{\nu}_\mu X$ $D^*(2010)^- \mu^+ \nu_\mu X$ 2charged (charged)s (neutrals) jet < $D^*(2010)^- \ell^+ X$ > \bar{B}^0
$K^*(892)^+ J/\psi(1S)$ Abe 95N Abe 95ZI Papadimitrio 95 Skarha 95 Abe 94D Albrecht 94P Dejongh 94 Garbincius 94 Lewis 94 Mueller 94 Skarha 94 Abe 93ZG Schneider 93 Skarha 93 Wenzel 93 Buskulic 92H Gauthier 92 Albajar 91D	$K^+ \psi(2S)$ Abe 95N Skarha 95 Abe 94D Dejongh 94 Garbincius 94 Lewis 94 Mueller 94 Skarha 94 Abe 93ZG Cattaneo 93 Schneider 93 Skarha 93 Wenzel 93	$K^*(892)^+ \psi(2S)$ Abe 95N Skarha 95 Abe 94D Dejongh 94 Garbincius 94 Lewis 94 Mueller 94 Skarha 94 Abe 93ZG Schneider 93 Skarha 93 Wenzel 93	$\rho^0 \ell^+ \bar{\nu}$ $\rho^0 e^+ \nu_e$ $\rho^0 \mu^+ \nu_\mu$ $\omega \ell^+ \bar{\nu}$ $\omega e^+ \nu_e$ $\omega \mu^+ \nu_\mu$ $K^+ e^- e^+$ $K^+ \mu^- \mu^+$		
Bean 92B Kroha 92B Kroha 92B Bean 92B Kroha 92B Kroha 92B Kroha 92B Albrecht 89U Abe 96D Anwaywiese 95 Ragan 95	Abreu 95H Akers 94R Barish 94 Garbincius 94 Buskulic 93D Cattaneo 93 Forty 93 Papadimitrio 93C Seywerd 93 Stone 93 Albrecht 92E Drell 92 Albrecht 91E Albrecht 91I Drell 91	Bessou 93B Henderson 91 Mai 91 Besson 93B Shaw 93 Henderson 91 Mai 91 Barbarogalti 92 Lewis 94B Nau 93 Jones 94B Wormser 94 Lewis 94B	$\bar{D}^0 \mu^+ X$ Nau 93 $D^- \mu^+ X$ Dejongh 94 $D^*(2010)^- \ell^+ X$ Dejongh 94 $D^*(2010)^+ e^- X$ Dejongh 94 $D^*(2010)^- e^+ X$ Dejongh 94 $D^*(2010)^+ \mu^- X$ Dejongh 94 $D^*(2010)^- \mu^+ X$ Dejongh 94 $\ell^- \bar{\nu}$ hadron (hadrons) Buskulic 92E μ^- hadron (hadrons) X Patton 91 $K^+ \ell^+ \nu X$ Albrecht 94R $K^- \ell^+ \nu X$ Albrecht 94R $K_S \ell^+ \nu X$ Albrecht 94R $K^+ e^+ \nu_e X$ Albrecht 94R $K^- e^+ \nu_e X$ Albrecht 94R $K_S e^+ \nu_e X$ Albrecht 94R $K^+ \mu^+ \nu_\mu X$ Albrecht 94R $K^- \mu^+ \nu_\mu X$ Albrecht 94R $K_S \mu^+ \nu_\mu X$ Albrecht 94R $D^*(2010)^+ e^- \bar{\nu}_e X$ Albrecht 94R $D^*(2010)^- e^+ \nu_e X$ Skarha 95 Abe 96E Abreu 96C Skarha 94 $D^*(2010)^+ \mu^- \bar{\nu}_\mu X$ Papadimitrio 95 Skarha 95 $D^*(2010)^- \mu^+ \nu_\mu X$ Abe 96E Abreu 96C Nau 93 2charged (charged)s (neutrals) Adam 95B jet < $D^*(2010)^- \ell^+ X$ > Akers 94B \bar{B}^0 Abachi 95R Abe 95U Abe 95Y Akers 95E Albrecht 95H Alexander 95H Derwent 95 Ragan 95 Skarha 95 Abreu 94J Abreu 94K Acciarri 94D Akers 94B Akers 94G Buskulic 94C Buskulic 94D Carr 94 Abreu 93L Adriani 93B Akers 93 Albajar 93B Bartelt 93 Besson 93B Buskulic 93I Denisov 93		

Entries in order of particle name, then decay. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). See the legend on page 331.

B^0 \bar{B}

B^0	B^0	\bar{B}	\bar{B}
$D^- \ell^+ \nu$ Dejongh 94 Forty 93 Feindt 92B	$2\pi^+ 2\pi^-$ Abreu 95E	$D_s^+ X$ Bortoletto 91	$\bar{D}_2^*(2460)^0 \mu^+ X$ Akers 95F
$D^+ e^- \bar{\nu}$ Alexander 95C	$K^+ \pi^+ 2\pi^-$ Abreu 95E	$D_s^- X$ Gibaut 95	$D_2^*(2460)^- \mu^+ X$ Akers 95F
$D^- e^+ \nu$ Abreu 95L Akers 95R Buskulic 95L	$p \bar{p} \pi^+ \pi^-$ Abreu 95E	$D_s^{*-} X$ Gibaut 95	charged (charged) X Wormser 94
$D^- e^+ \nu_e$ Jones 94B	$\Lambda_c^+ \bar{p} \pi^+ \pi^-$ Payne 94	$\eta_c(1S) X$ Balest 94C	charged (charged) X (neutrals) Akers 95X
$D^+ \mu^- \bar{\nu}$ Alexander 95C	\bar{B}	$J/\psi(1S) X$ Abachi 96 Abachi 95ZB Alexander 95E Bauer 95 Derwent 95 Balest 94C Barker 94 Jansen 94 Dellagnello 92 Bortoletto 91	hadron (hadrons) X Abreu 95Q
$D^- \mu^+ \nu$ Abreu 95L Akers 95R Buskulic 95L	Abe 95I Abreu 95R Alexander 95I Papadimitrio 95 Skarha 95 Abreu 94K Albrecht 94R Buskulic 94L Garbincius 94 Albrecht 93C Alexander 93B Bartelt 93B Battle 93 Besson 93B Denisov 93 Igarashi 93 Procario 93 Stone 93 Zylberstein 93 Abreu 92I Albrecht 92B Albrecht 92D Bambade 92 Fujino 92 Kodama 92D Albrecht 91D Albrecht 91G Albrecht 91J Cronstrom 91 Drell 91 Lesiak 91 Rossi 91 Schafer 91 Wu 91	$\chi_{c1}(1P) X$ Bauer 95 Balest 94C	charged (charged) X Buskulic 95R
$D^*(2010)^+ \ell^- \bar{\nu}$ Kroha 93	$e^+ X$ Abreu 96B Buskulic 95R Derwent 95 Carr 94 Huffman 93	$\chi_{c2}(1P) X$ Bauer 95 Balest 94C	$2\phi(1020) X$ Balest 94C
$D^*(2010)^- \ell^+ \nu$ Dejongh 94 Forty 93 Albrecht 92K Feindt 92B Trischuk 91	$\mu^+ X$ Abreu 96B Abachi 95P Abe 95U Buskulic 95R Derwent 95 Incandela 95 Incandela 95B Markosky 95 Roser 95 Barker 94 Carr 94 Huffman 93	$\psi(2S) X$ Alexander 95E Bauer 95 Derwent 95 Balest 94C Cdfcollabora 94F	$J/\psi(1S) \gamma X$ Balest 94C
$D^*(2010)^- \ell^+ \bar{\nu}$ Bartelt 93 Besson 93B Forty 93	charged X Abreu 95Q	$\bar{\Lambda} X$ Abreu 95Q	$D^0 e^- \bar{\nu}_e X$ Abe 93O
$D^*(2010)^+ e^- \bar{\nu}$ Alexander 95C	hadron (hadrons) Abe 95ZD Abe 95ZG	$\Lambda_c^+ X$ Crawford 91B	$\bar{D}^0 \pi^- e^+ X$ Akers 95F
$D^*(2010)^- e^+ \nu$ Abreu 95L Akers 95R Buskulic 95L	$\pi^0 X$ Adam 95	$\bar{\Lambda}_c^- X$ Fujino 95	$D^- \pi^+ e^+ X$ Akers 95F
$D^*(2010)^- e^+ \nu_e$ Abreu 96C Abe 95ZN Albrecht 95H Duboscq 95 Ukegawa 95 Jones 94B Kroha 92B Sanghera 92	$K_S X$ Abreu 95Q	$\Xi_c(2460)^0 X$ Fujino 95	$\bar{D}^0 \pi^- \mu^+ X$ Akers 95F
$D^*(2010)^+ \mu^- \bar{\nu}$ Alexander 95C	$D^+ X$ King 94 Bortoletto 91	$\Xi_c(2460)^- X$ Fujino 95	$D^- \pi^+ \mu^+ X$ Akers 95F
$D^*(2010)^- \mu^+ \nu$ Abreu 95L Akers 95R Buskulic 95L	$D^0 X$ Bortoletto 91	$J/\psi(1S) \pi^+ \pi^- X$ Fujino 95	$D^*(2010)^- e^+ \nu_e X$ Abreu 96C
$D^*(2010)^- \mu^+ \nu_\mu$ Abreu 96C Abe 95ZN Albrecht 95H Duboscq 95 Ukegawa 95 Kroha 92B Sanghera 92	$D^*(2010)^+ X$ Albrecht 95H King 94 Bortoletto 91	$J/\psi(1S) \pi^+ \pi^- X$ Balest 94C	$D^*(2010)^- \mu^+ \nu_\mu X$ Abreu 96C
$K^0 \pi^+ \pi^-$ Albrecht 89U	$D^*(2010)^- X$ Abreu 95S	$\pi^+ \pi^- e^- e^+ X$ Balest 94C	$D^*(2010)^- \pi^+ e^+ X$ Akers 95F
$K^+ K^0 K^-$ Albrecht 89U		$\pi^+ \pi^- \mu^- \mu^+ X$ Balest 94C	$D^*(2010)^- \pi^+ \mu^+ X$ Akers 95F
$K^*(892)^0 \pi^+ \pi^-$ Albrecht 89U		$2K^+ 2K^- X$ Balest 94C	jet Incandela 95 Incandela 95B Roser 95
$K^*(892)^0 K^+ K^-$ Albrecht 89U		jet Abachi 95M Abachi 95P Abachi 95R Bazizi 95 Derwent 95	$\mu^+ \text{jet}$
$D^0 \pi^+ \pi^-$ Alam 94C		kaon $\pi \gamma$ Alam 94B	$2K^+ 2K^- X$ Balest 94C
$D_s^- K_S \pi^+$ Albrecht 93B Besson 93B		$K_S \pi \gamma$ Alam 94B	
$D_s^- K^*(892)^0 \pi^+$ Albrecht 93B Besson 93B		$K_S \pi \gamma$ Alam 94B	
$K J/\psi(1S) \pi$ Wenzel 91		kaon $2\pi \gamma$ Alam 94B	
$K^+ J/\psi(1S) \pi^-$ Karen 94 Cattaneo 93		kaon $\pi^0 \pi \gamma$ Alam 94B	
$K^- J/\psi(1S) \pi^+$ Albrecht 94P		$K_S 2\pi \gamma$ Alam 94B	
		$K_S \pi^0 \pi \gamma$ Alam 94B	
		kaon $3\pi \gamma$ Alam 94B	
		$K_S 3\pi \gamma$ Alam 94B	
		kaon $\pi^0 2\pi \gamma$ Alam 94B	
		$K_S \pi^0 2\pi \gamma$ Alam 94B	
		kaon $4\pi \gamma$ Alam 94B	
		$K_S \pi^0 2\pi \gamma$ Alam 94B	
		kaon $\pi^0 3\pi \gamma$ Alam 94B	
		$K_S 4\pi \gamma$ Alam 94B	
		kaon $\pi^0 3\pi \gamma$ Alam 94B	
		$K_S \pi^0 3\pi \gamma$ Alam 94B	

Entries in order of particle name, then decay. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). See the legend on page 331.

\bar{B}^0	\bar{B}^0	\bar{B}^0	\bar{B}^0	
Abreu 95H Acciarri 95H Acciarri 94D Akers 94R Buskulic 94C Buskulic 94D Garbincius 94 Abreu 93L Adriani 93B Albrecht 93B Ali 93 Ammar 93 Besson 93B Cattaneo 93 Forty 93 Papadimitrio 93C Tenchini 93 Ting 93 Campana 92 Drell 92B Albrecht 91E Antreasyan 91 Capon 91 Colas 91 Drell 91 Shirai 91 Trischuk 91 Wenzel 91 Albrecht 89U	$\ell^- \bar{\nu} X$ $\mu^- \bar{\nu}_\mu X$ $D^+ \ell^- X$ $D^+ e^- X$ $D^0 e^- X$ $\bar{D}^0 e^+ X$ $D^+ \mu^- X$ $D^0 \mu^- X$ $\bar{D}^0 \mu^+ X$ $D^*(2010)^+ \ell^- X$ $D^*(2010)^+ e^- X$ $D^*(2010)^- e^+ X$ $D^*(2010)^+ \mu^- X$ $D^*(2010)^- \mu^+ X$ $\mu^+ \text{hadron (hadrons) } X$ $D^*(2010)^+ e^- \bar{\nu}_e X$ $D^*(2010)^- e^+ \nu_e X$ $D^*(2010)^+ \mu^- \bar{\nu}_\mu X$ $D^*(2010)^- \mu^+ \nu_\mu X$ 2charged (charged) (neutrals) jet < $D^*(2010)^+ \ell^- X$ > B^0	Kroha 93 Shaw 93 Forty 93 Abreu 92I Jones 94B Wormser 94 Nau 93 Lewis 94B Dejongh 94 Wormser 94 Nau 93 Lewis 94B $\ell^- X$ Forty 93 Sefkow 93 Abreu 92I Jones 94B Shochet 94 Lewis 94B Dejongh 94 Lewis 94B Ragan 95 Abe 96E Abreu 96C Skarha 94 Skarha 95 Abe 96E Abreu 96C Papadimitrio 95 Skarha 95 Adam 95B Akers 94B	Decamp 91D Patton 91 Steinberger 90 Abreu 94K Abe 96D Abe 95M Ragan 95 Skarha 95 Ehrlich 94 Kroha 92B Asner 95 Asner 95 Akers 94K Payne 94 Browder 93 Drell 92B Asner 95 Asner 95 Asner 95 Asner 95 Kroha 92B Asner 95 Asner 95 Akers 94K Ehrlich 94 Payne 94 Browder 93 Kroha 92B Asner 95 Kroha 92B Asner 95 Akers 94K Ehrlich 94 Payne 94 Browder 93 Kroha 92B Asner 95 Akers 94K Ehrlich 94 $\bar{K}^*(892)^0 \gamma$ Ehrlich 94 Payne 94 Asner 95 Asner 95 Asner 95 Asner 95 Alam 94C Dejongh 94 Payne 94 Browder 93 Cattaneo 93 Stone 93 Bortoletto 91 Alam 94C Stone 93 $D^0 \pi^0$ Alam 94C Stone 93 $D^0 \eta$ Alam 94C Stone 93 $D^+ \rho^-$ Alam 94C Payne 94 Browder 93 Cattaneo 93 Stone 93 $D^0 \rho^0$ Alam 94C Stone 93 Bortoletto 91 $D^0 \omega$ Alam 94C	Stone 93 $D^0 \eta'$ Alam 94C Stone 93 $D^*(2010)^+ \pi^-$ Dejongh 94 Payne 94 Besson 93B Browder 93 Cattaneo 93 Stone 93 Bortoletto 91 Henderson 91 Mai 91 $D^*(2010)^0 \pi^0$ Alam 94C Stone 93 $D^*(2010)^0 \eta$ Alam 94C Stone 93 $D^*(2010)^+ \rho^-$ Browder 93 Stone 93 Bortoletto 91 $D^*(2010)^0 \rho^0$ Alam 94C Stone 93 $D^*(2010)^0 \omega$ Alam 94C Stone 93 $D^*(2010)^0 \eta'$ Alam 94C Stone 93 $D^*(2010)^+ \alpha_1(1260)^-$ Cattaneo 93 Stone 93 $D_s^- \pi^+$ Gittelman 91 $D_s^+ K^-$ Gittelman 91 $D_s^- D^+$ Gibaut 95 Gittelman 91 $D_s^- D^*(2010)^+$ Gibaut 95 Stone 93 Gittelman 91 $D_s^+ D^+$ Gibaut 95 Gittelman 91 $D_s^+ D^*(2010)^+$ Artuso 95B Gibaut 95 Gittelman 91 $J/\psi(1S) \pi^0$ Bishai 95B Alexander 94B Payne 94 $J/\psi(1S) \rho^0$ Bishai 95B $J/\psi(1S) \omega$ Bishai 95B $K^0 J/\psi(1S)$ Stone 93 $\bar{K}^0 J/\psi(1S)$ Abe 95ZI Bortoletto 91 $K_S J/\psi(1S)$ Abe 95N Alexander 95E Papadimitrio 95 Skarha 95 Dejongh 94 Garbincius 94 Lewis 94 Skarha 94 Drell 92B $K^*(892)^0 J/\psi(1S)$ Abe 95E Anwaywiese 95 Albrecht 94P

B^- B_s

B^-	Abe 95N Abe 95O Abe 95P Abe 95X Abe 95ZI Alexander 95E Anwaywiese 95 Bishai 95B Derwent 95 Papadimitrio 95 Skarha 95 Alam 94C Alexander 94B Anwaywiese 94 Bailey 94 Byrum 94 Cdfcollabora 94E Dejongh 94 Garbincius 94 Hara 94 Lewis 94 Payne 94 Plunkett 94 Shochet 94 Skarha 94 Cattaneo 93 Crane 93 Huffman 93 Lukens 93 Mangano 93 Papadimitrio 93B Stone 93 Abe 92 Buskulic 92H Yeh 92 Bortoletto 91 Wenzel 91	B^-	$\rho^0 \mu^- \bar{\nu}_\mu$ Kroha 92B Albrecht 91I $\omega \ell^- \bar{\nu}$ Kroha 93 Bean 92B $\omega e^- \bar{\nu}_e$ Kroha 92B $\omega \mu^- \bar{\nu}_\mu$ Kroha 92B Albrecht 91I $K^- \mu^- \mu^+$ Abe 96D Anwaywiese 95 Ragan 95 Skarha 95 Anwaywiese 94 $D^0 \ell^- \nu$ Buskulic 93D Forty 93 $D^0 \ell^- \bar{\nu}$ Athanas 94 Dejongh 94 Albrecht 92E Gittelman 91 Fulton 90 $D^0 e^- \bar{\nu}$ Abreu 95L Akers 95R Alexander 95C Buskulic 95L $D^0 e^- \bar{\nu}_e$ Ukegawa 95 Jones 94B Seywerd 93 $D^0 \mu^- \bar{\nu}$ Abreu 95L Akers 95R Alexander 95C Buskulic 95L $D^0 \mu^- \bar{\nu}_\mu$ Ukegawa 95 Seywerd 93 $D^*(2010)^0 \ell^- \bar{\nu}$ Athanas 94 Barish 94 Dejongh 94 Albrecht 92E Gittelman 91 Fulton 90 $D^*(2010)^0 e^- \bar{\nu}_e$ Abe 95ZN Jones 94B Sanghera 92 $D^*(2010)^0 \mu^- \bar{\nu}_\mu$ Abe 95ZN Lecompte 94 Sanghera 92 $D_1(2420)^0 e^- \bar{\nu}_e$ Albrecht 92P $D_1(2420)^0 \mu^- \bar{\nu}_\mu$ Albrecht 92P $D_2^*(2460)^0 e^- \bar{\nu}_e$ Albrecht 92P $D_2^*(2460)^0 \mu^- \bar{\nu}_\mu$ Albrecht 92P $\pi^+ 2\pi^-$ Abreu 95E $K^- \pi^+ \pi^-$ Abreu 95E $K^+ 2K^-$ Abreu 95E $D^+ 2\pi^-$ Alam 94C Bortoletto 91 $D^*(2010)^+ 2\pi^-$ Alam 94C Bortoletto 91 $K^0 J/\psi(1S) \pi^-$ Cattaneo 93 $\bar{K}^0 J/\psi(1S) \pi^-$ Albrecht 94P	B^-	$K^- J/\psi(1S) \pi^0$ Albrecht 94P $p \bar{p} \pi^-$ Abreu 95E $\Lambda_c^+ \bar{p} \pi^-$ Payne 94 $D^*(2010)^0 \ell^- \nu \gamma$ Forty 93 $D^*(2010)^0 e^- \bar{\nu}_e \gamma$ Albrecht 92B $D^*(2010)^0 \mu^- \bar{\nu}_\mu \gamma$ Albrecht 92B $D^0 \pi^+ 2\pi^-$ Bortoletto 91 $D^*(2010)^0 \pi^+ 2\pi^-$ Alam 94C $K^- J/\psi(1S) \pi^+ \pi^-$ Cattaneo 93 Bortoletto 91 $K^- 2\pi^+ 2\pi^-$ Albrecht 94U $\Lambda_c^+ \bar{p} \pi^+ 2\pi^-$ Payne 94 $B(\text{unspec})$ Acciarri 95D $e^- X$ Nau 93 $\mu^- X$ Nau 93 $D^0 X$ Nau 93 $D^*(2010)^+ X$ Nau 93 $\mu^- \mu^+ X$ Albajar 91B $D^0 e^- X$ Nau 93 $D^0 \mu^- X$ Nau 93 $\bar{B}(\text{unspec})$ $e^+ X$ Nau 93 $\mu^+ X$ Nau 93 $\bar{D}^0 X$ Nau 93 $D^*(2010)^- X$ Nau 93 $\bar{D}^0 e^+ X$ Nau 93 $\bar{D}^0 \mu^+ X$ Nau 93 B^* Abreu 95R Buskulic 95V Akers 94R $B \gamma$ Akerib 91 Wu 91 $B \pi$ Cattaneo 93 B^{*+} Buskulic 95V Akers 94R $B^+ \gamma$ Abreu 95H Cattaneo 93 B^{*0} $B^0 \gamma$ Abreu 95H Cattaneo 93 \bar{B}^* $\bar{B} \gamma$ Abreu 95R Wu 91	\bar{B}^*	$B \pi$ Cattaneo 93 \bar{B}^{*0} $\bar{B}^0 \gamma$ Abreu 95H Cattaneo 93 B^{*-} $B^- \gamma$ Abreu 95H Cattaneo 93 $B_J^*(5732)$ $B \pi^+$ Abreu 95R $B \pi^-$ Abreu 95R πB^* Buskulic 95V Akers 94R $\pi^+ B^*$ Abreu 95R $\pi^- B^*$ Abreu 95R $\bar{B}_J^*(5732)$ $\bar{B} \pi^+$ Abreu 95R $\bar{B} \pi^-$ Abreu 95R $\pi^+ \bar{B}^*$ Abreu 95R $\pi^- \bar{B}^*$ Abreu 95R $B^*(\text{unspec})$ $B(\text{unspec}) \gamma$ Acciarri 95D $B^{*+} \pi^-$ Buskulic 95V Akers 94R $B^{*+} K^-$ Akers 94R B_s $\ell^+ X$ Abe 96D Akers 95E Buskulic 95U Adeva 92 $\mu^- X$ Ragan 95 Denisov 93 Igarashi 93 Zylberstejn 93 Barbarogalti 92 Albajar 91C $\text{jet}^- X$ Buskulic 95U $D_s^- X$ Buskulic 95I $e^+ \nu_e X$ Yanagisawa 91 $\phi(1020) e^+ X$ Wormser 94 $\phi(1020) \mu^+ X$ Wormser 94 $D_s^+ e^- X$ Lewis 94B $D_s^- e^+ X$ Wormser 94 $D_s^+ \mu^- X$ Lewis 94B Abreu 92F $D_s^- \mu^+ X$ Wormser 94 $\ell^- \bar{\nu} \text{hadron (hadrons)}$ Buskulic 92E Patton 91 $\mu^- \text{hadron (hadrons) X}$ Ragan 95
-------	---	-------	--	-------	---	-------------	--

<p>B_s</p> <p>$D_s^- \ell^+ \nu$ X Mueller 94 Acton 92M Boucrot 92</p> <p>$D_s^+ e^- \bar{\nu}_e$ X Skarha 95 Lecompte 94 Skarha 94</p> <p>$D_s^- e^+ \nu_e$ X Buskulic 95T Cdfcollabora 94B Pater 93 Pierre 93 Seywerd 93 Buskulic 92</p> <p>$D_s^+ \mu^- \bar{\nu}_\mu$ X Skarha 95</p> <p>$D_s^- \mu^+ \nu_\mu$ X Buskulic 95T Cdfcollabora 94B Pater 93 Pierre 93 Seywerd 93 Buskulic 92</p> <p>\bar{B}_s</p> <p>Akers 95E Buskulic 95U Ragan 95 Abreu 94J Acciarri 94D Buskulic 94C Buskulic 94D Carr 94 Abreu 93L Adriani 93B Denisov 93 Igarashi 93 Sefkow 93 Zylberstejn 93 Acton 92B Adeva 92 Barbarogalti 92 Buskulic 92E Drell 92B Albajar 91C Capon 91 Decamp 91D Patton 91</p> <p>$\mu^- \mu^+$</p> <p>Abe 95M Ragan 95 Skarha 95</p> <p>2γ</p> <p>Acciarri 95H</p> <p>$2\pi^0$</p> <p>Acciarri 95P</p> <p>$\eta \pi^0$</p> <p>Acciarri 95P</p> <p>2η</p> <p>Acciarri 95P</p> <p>$K^- \pi^+$</p> <p>Akers 94K</p> <p>$K^+ K^-$</p> <p>Akers 94K</p> <p>$D_s^- \pi^+$</p> <p>Abreu 94I Akers 94H Wormser 94 Cattaneo 93 Pierre 93</p> <p>$D_s^- a_1(1260)^+$</p> <p>Abreu 94I Wormser 94 Cattaneo 93</p> <p>$J/\psi(1S) \phi(1020)$</p> <p>Abe 95P Abe 95R Abe 95ZB Abe 95ZC Alexander 95E Derwent 95 Skarha 95 Abe 94X</p>	<p>B_s</p> <p>Abreu 94I Akers 94H Cdfcollabora 94B Hara 94 Lewis 94 Mueller 94 Shochet 94 Skarha 94 Wormser 94 Abe 93Y Cattaneo 93 Lebrun 93 Lukens 93 Pierre 93 Shaw 93 Acton 92M Buskulic 92H</p> <p>$\psi(2S) \phi(1020)$</p> <p>Wormser 94 Buskulic 93H Cattaneo 93</p> <p>$D_s^- \ell^+ \nu$</p> <p>$D_s^+ e^- \bar{\nu}$</p> <p>$D_s^- e^+ \nu_e$</p> <p>Akers 95P</p> <p>Derwent 95 Abe 94X Jones 94B Shochet 94 Acton 93L Skarha 93 Wenzel 93</p> <p>$D_s^+ \mu^- \bar{\nu}$</p> <p>Akers 95P</p> <p>$D_s^- \mu^+ \nu_\mu$</p> <p>Abe 94X Shochet 94 Acton 93L Skarha 93 Wenzel 93</p> <p>$\bar{D}^0 K^- \pi^+$</p> <p>Cattaneo 93</p> <p>$K^+ \pi^+ 2\pi^-$</p> <p>Abreu 95E μ^+ neutral Buskulic 93H</p> <p>\bar{B}_s</p> <p>Abe 96D Acciarri 95H Buskulic 95T Buskulic 95U Acciarri 94D Buskulic 94B Buskulic 94C Buskulic 94D Abreu 93L Adriani 93B Abreu 92F Drell 92B Capon 91</p> <p>$\ell^- X$</p> <p>Akers 95E Adeva 92</p> <p>$\mu^+ X$</p> <p>Ragan 95 Denisov 93 Igarashi 93 Zylberstejn 93 Barbarogalti 92 Albajar 91C</p> <p>hadron (hadrons)</p> <p>Buskulic 92E Patton 91</p> <p>$D_s^+ X$</p> <p>Buskulic 95I Abreu 94</p> <p>$e^- \bar{\nu}_e X$</p> <p>Yanagisawa 91</p> <p>$\phi(1020) e^- X$</p> <p>Wormser 94</p>	<p>\bar{B}_s</p> <p>$\phi(1020) \mu^- X$</p> <p>Wormser 94</p> <p>$D_s^+ e^- X$</p> <p>Wormser 94</p> <p>$D_s^- e^+ X$</p> <p>Lewis 94B</p> <p>$D_s^+ \mu^- X$</p> <p>Wormser 94</p> <p>$D_s^- \mu^+ X$</p> <p>Lewis 94B</p> <p>μ^+ hadron (hadrons) X</p> <p>Ragan 95</p> <p>$\phi(1020) \mu^+ \bar{\nu}_\mu X$</p> <p>Abreu 94</p> <p>$D_s^+ e^- \bar{\nu}_e X$</p> <p>Cdfcollabora 94B Pierre 93</p> <p>$D_s^- e^+ \nu_e X$</p> <p>Skarha 95 Skarha 94</p> <p>$D_s^+ \mu^- \bar{\nu}_\mu X$</p> <p>Cdfcollabora 94B Pierre 93</p> <p>$D_s^- \mu^+ \nu_\mu X$</p> <p>Skarha 95</p> <p>B_s</p> <p>Akers 95E Ragan 95 Abreu 94J Carr 94 Denisov 93 Igarashi 93 Sefkow 93 Zylberstejn 93 Acton 92B Adeva 92 Buskulic 92E Decamp 91D Patton 91</p> <p>$\mu^- \mu^+$</p> <p>Abe 95M Ragan 95 Skarha 95</p> <p>$K^+ \pi^-$</p> <p>Akers 94K</p> <p>$D_s^+ \pi^-$</p> <p>Abreu 94I Wormser 94 Buskulic 93H Cattaneo 93 Pierre 93</p> <p>$D_s^+ a_1(1260)^-$</p> <p>Abreu 94I Wormser 94 Cattaneo 93</p> <p>$J/\psi(1S) \phi(1020)$</p> <p>Abe 95P Abe 95R Abe 95ZB Abe 95ZC Alexander 95E Derwent 95 Skarha 95 Abe 94X</p> <p>Cdfcollabora 94B Hara 94 Lewis 94 Shochet 94 Skarha 94 Wormser 94 Cattaneo 93 Pierre 93</p> <p>$\psi(2S) \phi(1020)$</p> <p>Wormser 94 Cattaneo 93</p> <p>$D_s^- e^+ \nu$</p> <p>Akers 95P</p> <p>$D_s^+ e^- \bar{\nu}_e$</p> <p>Derwent 95</p>	<p>\bar{B}_s</p> <p>Abe 94X Jones 94B Shochet 94 Acton 93L</p> <p>$D_s^+ \mu^+ \nu$</p> <p>Akers 95P</p> <p>$D_s^+ \mu^- \bar{\nu}_\mu$</p> <p>Abe 94X Shochet 94 Acton 93L</p> <p>$D^0 K^+ \pi^-$</p> <p>Cattaneo 93</p> <p>$K^+ K^- \pi^+ \pi^-$</p> <p>Buskulic 93H</p> <p>B_c^+</p> <p>$J/\psi(1S) \pi^+$</p> <p>Abe 95X Alexander 95E Papadimitrio 95</p> <p>B_c^-</p> <p>$J/\psi(1S) \pi^-$</p> <p>Abe 95X Alexander 95E Papadimitrio 95</p> <p>η_b</p> <p>Narain 91</p> <p>$\Upsilon(1S)$</p> <p>Leitch 92 Narain 91 Rossi 91 Spiegel 91</p> <p>charm X</p> <p>Albrecht 92H</p> <p>$D^*(2010)^\pm X$</p> <p>Albrecht 92H</p> <p>$J/\psi(1S) X$</p> <p>Albrecht 92H</p> <p>2hadron (hadrons)</p> <p>Baru 92B</p> <p>$2\pi^+ X$</p> <p>Blinov 95</p> <p>$2\pi^- X$</p> <p>Blinov 95</p> <p>$e^- e^+$ (neutrals) X</p> <p>Cinabro 94</p> <p>3hadron (hadrons)</p> <p>Bizzeti 91</p> <p>γ 2hadron (hadrons)</p> <p>Bizzeti 91</p> <p>3charged neutral X</p> <p>Albrecht 94O</p> <p>$e^- e^+$</p> <p>Albrecht 94O Shochet 94 Butler 93 Baru 92B Crawford 92 Heintz 92 Brock 91 Heintz 91</p> <p>$\mu^- \mu^+ + e^- e^+$</p> <p>Wu 93</p> <p>$\mu^- \mu^+$</p> <p>Abe 95W Alexopoulos 95D Bauer 95 Papadimitrio 95 Papadimitrio 95B Sansoni 95 Garbincius 94 Hedin 94 Kim 94 Mcgaughey 94 Papadimitrio 94 Shochet 94 Butler 93 Pordes 93 Crawford 92</p>
--	---	---	---

Entries in order of particle name, then decay. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). See the legend on page 331.

$\Upsilon(4S)$

top

$\Upsilon(4S)$	$\Upsilon(4S)$	$\Upsilon(4S)$	$\Upsilon(4S)$
$\bar{B}^0 X$ Albrecht 93D Albrecht 92P	$D^*(2010)^- \mu^+ X$ Nau 93	e^\pm 3charged neutral (neutrals) Drell 92	$2\bar{B}^0$ Albrecht 91I Fulton 90 Albrecht 89U
$B^- X$ Albrecht 92P	$D_s^+ \ell^- X$ Albrecht 93B	4charged neutral (neutrals) Drell 92	$B(\text{unspec}) \bar{B}(\text{unspec})$ Albrecht 92K Nau 93
$p X$ Albrecht 92Q	$B^0 \ell^- X + \bar{B}^0 \ell^+ X$ Albrecht 92K	e^\pm 5charged X Besson 93B	$\Upsilon(10860)$
$\bar{p} X$ Albrecht 92Q	$B^0 \ell^+ X + \bar{B}^0 \ell^- X$ Albrecht 92K	μ^\pm 5charged X Besson 93B	$D^*(2010)^+ X$ Crawford 91 Potter 91
$\Lambda_c^+ X$ Avery 93B	$B^0 e^+ X$ Albrecht 91E	$K^- 3\pi^+ \pi^- e^- X$ Albrecht 93D	$B_s \bar{B}_s + B \bar{B}$ Yanagisawa 91
$2e^- X + 2e^+ X$ Albrecht 92K	$\bar{B}^0 e^- X$ Albrecht 91E	$K^- 3\pi^+ \pi^- \mu^- X$ Albrecht 93D	$\Upsilon(\text{unspec})$
$2e^- X$ Albrecht 91E	$B^0 \mu^+ X$ Albrecht 91E	5charged (charged) X Nau 93	$e^- e^+$ Abreu 95O Madaras 92
$e^- e^+ X$ Albrecht 92K Albrecht 91E	$\Sigma^0 \pi^+ X$ Avery 93B	$e^- e^+$ Albrecht 94O	$\mu^- \mu^+$ Abachi 95J Abreu 95O Bazizi 95 Markosky 95
$2e^+ X$ Albrecht 91E	$\pi^+ e^- e^+ X$ Alexander 94B	$\tau^- \tau^+$ Drell 92	top
$\mu^- e^- X$ Albrecht 91E	$\pi^0 e^- e^+ X$ Alexander 94B	$2B^0$ Albrecht 92K	$W^+ \text{ jet}$ Klima 93
$\mu^- e^+ X + \mu^+ e^- X$ Albrecht 92K	$\pi^- e^- e^+ X$ Alexander 94B	$B \bar{B}$ Fujino 95 Alam 94B Balest 94C Alexander 93B Bartelt 93B Battle 93 Besson 93B Stone 93 Albrecht 92B Albrecht 92D Albrecht 91G Albrecht 91J Bortoletto 91 Crawford 91B Cronstrom 91 Drell 91 Henderson 91 Schafer 91 Yanagisawa 91	Abachi 95V Abe 95I Grassmann 95 Greenlee 95 Hoftun 95 Incandela 95 Incandela 95B Kim 95B Klima 95 Kopp 95 Roser 95 Thompson 95 Wimpenny 95 Abachi 94B Abachi 94D Abe 94T Abe 94Z Antos 94 Benloch 94 Cdfcollabora 94C Chakraborty 94 Geer 94 Genser 94 Grannis 94 Grassmann 94 Jensen 94 Lidemartean 94 Nodulman 94 Tollestrup 94 Watts 94 Williams 94
$\mu^- e^+ X$ Albrecht 91E	$K^+ e^- e^+ X$ Alexander 94B	$B^+ \bar{B}^0$ Asner 95 Albrecht 94P Albrecht 94U Alexander 94B Barish 94 Dejongh 94 Ehrlich 94 Albrecht 93B Besson 93B Browder 93 Forty 93 Nau 93 Stone 93 Albrecht 92E Albrecht 92K Drell 92 Kroha 92B Sanghera 92 Albrecht 91E Albrecht 91I Henderson 91 Mai 91 Fulton 90 Albrecht 89U	Abachi 94B Abe 94Z Grassmann 95 Abe 94Z
$\mu^+ e^- X$ Albrecht 91E	$K^- e^- e^+ X$ Alexander 94B	$B^+ B^-$ Artuso 95 Asner 95 Albrecht 94P Albrecht 94U Alexander 94B Barish 94 Dejongh 94 Ehrlich 94 Albrecht 93B Besson 93B Forty 93 Nau 93 Stone 93 Albrecht 92E Albrecht 92K Drell 92 Kroha 92B Sanghera 92 Albrecht 91E	Garbincius 94 Abe 94T
$2\mu^- X$ Albrecht 91E	$K^+ \pi^- e^- X$ Nau 93		$W^+ b$ Garbincius 94
$2\mu^- X + 2\mu^+ X$ Albrecht 92K	$K^- \pi^+ e^- X$ Nau 93		$H^+ \text{ jet}$ Abe 94T
$\mu^- \mu^+ X$ Albrecht 92K Albrecht 91E	$K^+ \pi^- e^+ X$ Nau 93		$W^+ \text{ bottom}$ Abachi 94B Antos 94 Geer 94 Grannis 94 Jensen 94 Lidemartean 94 Raja 94 Shochet 94
$2\mu^+ X$ Albrecht 91E	$K^- \pi^+ e^+ X$ Nau 93		$e^+ \nu_e \text{ jet}$ Frisch 94
$\pi^+ e^- X$ Albrecht 93D	$K^+ K_S \mu^- X + K^+ K_S e^- X$ Albrecht 93B Besson 93B		$\mu^+ \nu_\mu \text{ jet}$ Frisch 94
$\pi^+ \mu^- X$ Albrecht 93D	$K^*(892)^+ K_S \mu^- X + K^*(892)^+ K_S e^- X$ Albrecht 93B Besson 93B		3jet Cdfcollabora 94C
$D^0 e^- X$ Nau 93	$2K^*(892)^+ \mu^- X + 2K^*(892)^+ e^- X$ Albrecht 93B Besson 93B		$W^+ b \text{ jet}$ Williams 94
$D^0 e^+ X$ Nau 93	$\phi(1020) \pi^+ \mu^- X + \phi(1020) \pi^+ e^- X$ Albrecht 93B Besson 93B		
$\bar{D}^0 e^- X$ Nau 93	$D^0 \pi^+ e^- X$ Albrecht 93D		
$\bar{D}^0 e^+ X$ Nau 93	$D^0 \pi^+ \mu^- X$ Albrecht 93D		
$D^0 \mu^- X$ Nau 93	$\Lambda \pi^+ \pi^0 X$ Avery 93B		
$D^0 \mu^+ X$ Nau 93	$\Sigma^0 \pi^+ \pi^0 X$ Avery 93B		
$\bar{D}^0 \mu^- X$ Nau 93	$K^+ 2\pi^- e^- X$ Nau 93		
$\bar{D}^0 \mu^+ X$ Nau 93	$K^- 2\pi^+ e^- X$ Albrecht 93D		
$D^*(2010)^+ \ell^- X + D^*(2010)^- \ell^+ X$ Albrecht 92K	$K^- 2\pi^+ e^+ X$ Nau 93		
$D^*(2010)^+ \ell^+ X + D^*(2010)^- \ell^- X$ Albrecht 92K	$K^+ 2\pi^- \mu^- X$ Nau 93		
$D^*(2010)^+ e^- X$ Albrecht 93D Nau 93	$K^- 2\pi^+ \mu^- X$ Albrecht 93D		
$D^*(2010)^+ e^+ X$ Nau 93	$K^- 2\pi^+ \mu^+ X$ Nau 93		
$D^*(2010)^- e^- X$ Nau 93	$D_s^+ \bar{K}^0 e^- \ell^- X$ Albrecht 93B Besson 93B		
$D^*(2010)^- e^+ X$ Nau 93	$D_s^+ K^- e^- \ell^- X$ Albrecht 93B Besson 93B		
$D^*(2010)^+ \mu^- X$ Albrecht 93D Nau 93	3charged neutral X Albrecht 94O		
$D^*(2010)^+ \mu^+ X$ Nau 93	$\Sigma^0 2\pi^+ \pi^- X$ Avery 93B		
$D^*(2010)^- \mu^- X$ Nau 93			

Entries in order of particle name, then decay. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). See the legend on page 331.

top

p

top	exotic-meson	baryonium	p
bottom 2jet Cdfcollabora 94C	$K^*(892)^0 \bar{K}^*(892)^0$ Achasov 91	$\bar{p} \Lambda \pi^+$ Aleev 93B	$\pi^+ \bar{\nu}$ Suzuki 93 Monch 91
top	$K^*(892)^+ K^*(892)^-$ Achasov 91	$\bar{p} \Lambda \pi^-$ Aleev 93B	$\pi^0 e^+$ Suzuki 93 Monch 91 Berger 90B
W^+ jet Abe 95I Greenlee 95	$\phi(1020) \rho^0$ Achasov 91	$p \bar{\Lambda} \pi^+$ Aleev 93B	$\pi^0 \mu^+$ Suzuki 93 Monch 91 Berger 90B
W^- jet Abachi 95V Grassmann 95 Hoftun 95 Incandela 95 Incandela 95B Kim 95B Klima 95 Kopp 95 Roser 95 Thompson 95 Wimpenny 95 Abachi 94B Abachi 94D Abe 94T Abe 94Z Antos 94 Benloch 94 Cdfcollabora 94C Chakraborty 94 Geer 94 Genser 94 Grannis 94 Grassmann 94 Jensen 94 Lidemarteanu 94 Nodulman 94 Tollestrup 94 Watts 94 Williams 94	$\phi(1020) \omega$ Achasov 91	$\bar{p} \Lambda K^+$ Aleev 93B Tatishvili 92	ηe^+ Suzuki 93 Monch 91 Berger 90B
W^- jet < bottom X > Grassmann 95 Abe 94Z	$2\phi(1020)$ Bertolotto 94 Achasov 91	$p \bar{\Lambda} K^-$ Aleev 93B Tatishvili 92	$\eta \mu^+$ Suzuki 93 Monch 91 Berger 90B
$W^- \bar{b}$ Garbincius 94	glueball	$p \bar{p} K^+ K_S$ Tatishvili 92	$\rho \bar{\nu}$ Suzuki 93
H^- jet Abe 94T	$2\pi^0$ Svec 92 Jin 91	$p \bar{p} K^+ K_S + p \bar{p} K_S K^-$ Aleev 93B	$\rho^+ \bar{\nu}$ Monch 91
W^- bottom Shochet 94	$\pi^+ \pi^-$ Heusch 91	$p \bar{p} K_S K^-$ Tatishvili 92	$\rho^0 e^+$ Suzuki 93 Monch 91 Berger 90B
W^- bottom Abachi 94B Antos 94 Geer 94 Grannis 94 Jensen 94 Lidemarteanu 94 Raja 94	2η Amsler 92B Palano 92 Heusch 91	$\bar{p} \Lambda 2\pi^+ + \bar{p} \Lambda \pi^+ \pi^-$ Aleev 93B	$\rho^0 \mu^+$ Suzuki 93 Monch 91 Berger 90B
$e^- \bar{\nu}_e$ jet Frisch 94	$a_0(980) \pi$ Heusch 91	$p \bar{\Lambda} \pi^+ \pi^- + p \bar{\Lambda} 2\pi^-$ Aleev 93B	ωe^+ Suzuki 93 Monch 91 Berger 90B
$\mu^- \bar{\nu}_\mu$ jet Frisch 94	$K^0 \bar{K}^0$ Heusch 91	$\bar{p} \Lambda K^+ \pi^+ + \bar{p} \Lambda K^+ \pi^-$ Aleev 93B	$\omega \mu^+$ Suzuki 93 Monch 91 Berger 90B
3jet Cdfcollabora 94C	$K^+ K^-$ Heusch 91	$\bar{p} \Lambda K^+ \pi^-$ Tatishvili 92	$K^+ \nu$ Allison 93 Thron 92B
$W^- \bar{b}$ jet Williams 94	$K^*(892) \bar{K}$ Heusch 91	$p \bar{\Lambda} K^- \pi^+$ Tatishvili 92	$K^+ \bar{\nu}$ Suzuki 93 Monch 91
bottom 2jet Cdfcollabora 94C	$\bar{K}^*(892) K$ Heusch 91	$p \bar{\Lambda} K^- \pi^+ + p \bar{\Lambda} K^- \pi^-$ Aleev 93B	$K^0 e^+$ Suzuki 93 Monch 91 Berger 90B
exotic	$2\phi(1020)$ Bertolotto 94 Heusch 91 Landsberg 90	$p \bar{\Lambda} K^- \pi^-$ Tatishvili 92	$K_S e^+$ Berger 90B
2γ Giokaris 91	$\eta \pi^+ \pi^-$ Heusch 91	baryonium(S = -1)	$K_L e^+$ Berger 90B
$\eta \pi^-$ Berdnikov 93	$K \bar{K} \pi$ Heusch 91	$\bar{p} \Lambda \pi^+$ Tatishvili 92	$K^0 \mu^+$ Suzuki 93 Monch 91 Berger 90B
$\eta' \pi^-$ Berdnikov 93	$K^0 \bar{K}^0 \pi^0$ Heusch 91	$\bar{p} \Lambda \pi^-$ Tatishvili 92	$K_S \mu^+$ Berger 90B
exotic-meson	$K^+ K^- \pi^0$ Heusch 91	$\bar{p} \Lambda 2\pi^+$ Tatishvili 92	$K_L \mu^+$ Berger 90B
$2\rho^0$ Achasov 91	$K^+ K_S \pi^- + K_S K^- \pi^+$ Heusch 91	$\bar{p} \Lambda \pi^+ \pi^-$ Tatishvili 92	$K^*(892)^+ \bar{\nu}$ Suzuki 93 Monch 91
$\rho^+ \rho^-$ Achasov 91	$2\pi^+ 2\pi^-$ Balestra 91	baryonium(S = +1)	$K^*(892)^0 e^+$ Suzuki 93 Monch 91 Berger 90B
$\omega \rho^0$ Achasov 91	$C(1480)^0$	$p \bar{\Lambda} \pi^+$ Tatishvili 92	$e^+ 2\gamma$ Monch 91 Berger 90B
2ω Achasov 91	$e^- e^+$ Landsberg 91	$p \bar{\Lambda} \pi^-$ Tatishvili 92	$e^+ 2\nu$ Berger 91
$f_1(1285) \pi^0$ Amsler 94E	$\pi^+ \pi^-$ Landsberg 91	$p \bar{\Lambda} \pi^+ \pi^-$ Tatishvili 92	$e^- 2e^+$ Monch 91 Berger 90B
	$\omega \pi^0$ Amsler 93C Burchell 92 Kinashi 91 Landsberg 91	$p \bar{\Lambda} 2\pi^-$ Tatishvili 92	$\mu^+ 2\nu$ Berger 91
	$\phi(1020) \pi^0$ Burchell 92 Donnachie 91 Landsberg 91 Landsberg 90	baryon	$\mu^+ e^- e^+$ Berger 90B
	nonres < $K^+ K^- \pi^0$ > Landsberg 91	Albrecht 92D Kampert 92 Nagata 92	
	$C(1480)^-$	$2p \bar{p}$ Vavilov 94B	
	$\phi(1020) \pi^-$ Landsberg 90	$2p \bar{p} \pi^0$ Vavilov 94B	
	$X(1600)$	$p K^+ \bar{K}^0 2\pi^-$ Karnaukhov 95C Landsberg 94C Lazanu 93 Karnaukhov 92	
	$2\rho^0$ Albrecht 90M	$p K^+ K_S 2\pi^-$ Karnaukhov 93 Karnaukhov 93B	
	baryonium	p	
	$p \bar{p}$ Amsler 91 Chiba 91B Vavilov 94B	$e^- X$ Berger 91	
		$e^+ \gamma$ Monch 91 Berger 90B	
		$\mu^+ \gamma$ Monch 91 Berger 90B	

Σ^+ Ξ^+

Σ^+	Σ^-	$\Sigma(1385 P_{13})^0$	Ξ^-
<p>$p \gamma$</p> <p>White 94B Batusov 93 Drutskoi 93 Lach 93 Andryakov 92 Barlag 92B Chen 92B Dolgolenko 92 Lach 92 Appel 91</p> <p>$p \pi^0$</p> <p>Lach 94 Smith 94B Smith 94C Timm 94 Cooper 93 Lach 93 Morelos 93C Foucher 92 Lach 92 Foucher 91</p> <p>$n \pi^+$</p> <p>Ammar 95 Avery 95 Bishai 95 Frabetti 95C Fujino 95 Garbincius 95 Edwards 94 Johns 94 Lach 94 Smith 94B Smith 94C Timm 94 Avery 93 Cooper 93 Kubota 93 Merkel 93 Morelos 93 Morelos 93B Lach 92</p> <p>Σ^0</p> <p>Barmin 94B Bockhorst 94 Eisenstein 94 Jungst 94 Kurshetsov 94 Landsberg 94C Avery 93B Lindemann 93 Alexopoulos 92 Buenerd 92 Karabarouni 92C Amsler 91 Balestra 91B Gazdzicki 91 Yokosawa 91</p> <p>$\Lambda \gamma$</p> <p>Adam 96 Golovkin 95 Vavilov 95 Bergfeld 94 Deprospro 94 Golovkin 94 Landsberg 94C Deangelis 93 Larson 93 Piekarz 93 Procario 93 Albrecht 92C Andryakov 92 Dolgolenko 92 Procario 91 Willocq 91 Yuldashev 90B</p>	<p>$n \pi^-$</p> <p>Barmin 94B Johns 94 Lach 94 Landsberg 94C Smith 94B White 94B Cooper 93 Lach 93 Andryakov 92 Buenerd 92 Dolgolenko 92 Imai 92 Lach 92 Shakhbazyan 92 Appel 91</p> <p>$n e^- \bar{\nu}_e$</p> <p>Abreu 95C Fujino 95 Longacre 95 Shakhbazyan 95 Albuquerque 94 Frabetti 94B Itow 94 Lach 94 Shakhbazyan 94 Dubbs 93 Lach 93 Piekarz 93 Shakhbazyan 93B Zallo 93 Lach 92 Shakhbazyan 92C Shakhbazyan 91</p> <p>Ehrensperger 95 Lach 94 Lach 93 Lach 92</p> <p>$\bar{\Sigma}^+$</p> <p>Abreu 95C</p> <p>$\bar{\Sigma}^0$</p> <p>Eisenstein 94 Deangelis 93 Alexopoulos 92 Karabarouni 92C Amsler 91 Gazdzicki 91</p> <p>$\bar{\Lambda} \gamma$</p> <p>Adam 96</p> <p>$\bar{\Sigma}^-$</p> <p>Abreu 95C Eisenstein 94</p> <p>$\bar{p} \gamma$</p> <p>Smith 94B Smith 94C Cooper 93</p> <p>$\bar{p} \pi^0$</p> <p>Ammar 95 Bishai 95 Frabetti 95C Fujino 95 Edwards 94 Lach 94 Smith 94B Smith 94C Cooper 93 Morelos 93 Morelos 93B</p> <p>$\Sigma(1385 P_{13})^+$</p> <p>Ammar 95 Bergfeld 94 Aguilarbenit 91</p> <p>$\Lambda \pi^+$</p> <p>Abreu 95C Jones 93B Rensing 93 Acton 92D</p>	<p>$\Lambda \pi^0$</p> <p>Vavilov 94 Balatz 93</p> <p>Golovkin 95 Vavilov 95 Balatz 94B Balatz 94C Golovkin 94 Kurshetsov 94 Landsberg 94B Landsberg 94C Landsberg 93 Larson 93</p> <p>$\Sigma(1385 P_{13})^-$</p> <p>Aguilarbenit 91 Landsberg 90</p> <p>$\Lambda \pi^-$</p> <p>Abreu 95C Landsberg 94C Deangelis 93 Jones 93B Acton 92D</p> <p>$\bar{\Sigma}(1385 P_{13})^+$</p> <p>Abreu 95C Deangelis 93</p> <p>$\bar{\Sigma}(1385 P_{13})^-$</p> <p>Abreu 95C</p> <p>$\bar{\Lambda} \pi^-$</p> <p>Ammar 95</p> <p>$\Sigma(1660 P_{11})^+$</p> <p>Bergfeld 94</p> <p>$\Sigma(1660 P_{11})^0$</p> <p>Bergfeld 94</p> <p>$Y^*(\text{unspec})$</p> <p>Landsberg 94C</p> <p>ΞK</p> <p>Landsberg 94C Landsberg 90</p> <p>$\Lambda K \bar{K}$</p> <p>Landsberg 94C Landsberg 90</p> <p>$\Sigma K \bar{K}$</p> <p>Landsberg 94C Landsberg 90</p> <p>Ξ</p> <p>Landsberg 94C Deangelis 93 Landsberg 90</p> <p>Ξ^0</p> <p>Alexopoulos 92 Buenerd 92 Geist 91</p> <p>$\Lambda \pi^0$</p> <p>Avery 95 Edwards 95B Alexander 94 Avery 93</p> <p>Ξ^-</p> <p>Abatzis 95D Abatzis 95E Adamovich 95C Andersen 95 Aoki 95B Beusch 95 Fujino 95 Abatzis 94 Abatzis 94C Andersen 94 Blinov 94 Lach 94 Landsberg 94C Aoki 93 Lach 93 Pierre 93</p>	<p>$\Lambda \pi^-$</p> <p>Abatzis 92 Albrecht 92J Buenerd 92 Iijima 92 Imai 92 Lach 92 Schmidt 92B Aoki 91 Aoki 91E Deangelis 91B Hebbeker 91B Odyniec 91 Odyniec 91B Oyang 91 Schukraft 91 Abatzis 90B Avery 90B</p> <p>Abatzis 95 Abatzis 95C Abreu 95C Abreu 95N Avery 95 Edwards 95B Garbincius 95 Stocker 95 Albrecht 94S Alexander 94 Andersen 94C Chudakov 94 Eiseman 94 Johns 94 Lach 94 Moroni 94 Spengler 94 Avery 93 Cheung 93 Deangelis 93 Dubbs 93 Frabetti 93 Lach 93 Longacre 93 Zallo 93 Acton 92D Acton 92T Albrecht 92R Alexopoulos 92 Duryea 92 Evans 92 Frabetti 92 Frabetti 92C Lach 92 Abatzis 91 Abatzis 91B Abreu 91O Crawford 91B Duryea 91 Henderson 91B Ho 91 Kinson 91 Odyniec 91 Procario 91 Ronan 91 Schukraft 91 Yokosawa 91</p> <p>$\Sigma^- \gamma$</p> <p>Albuquerque 94 Smith 94B Cooper 93 Dubbs 93</p> <p>$\Lambda e^- \bar{\nu}_e$</p> <p>Ehrensperger 95</p> <p>Ξ^+</p> <p>Abatzis 95D Abatzis 95E Abreu 95C Andersen 95 Fujino 95 Abatzis 94 Abatzis 94C Andersen 94 Deangelis 93 Abatzis 94C Andersen 94 Deangelis 93 Acton 92T</p>

Ξ^+

Λ_c^+

Ξ^+	Schmidt 92B Hebbeker 91B Odyniec 91 Odyniec 91B Schukraft 91 Abatzis 90B	Ω^-	$\Xi^- \gamma$ Yokosawa 91 Albuquerque 94 Cooper 93	Λ_c^+	$p \bar{K}^0$ Frabetti 95F Crawford 93 Avery 90B	Λ_c^+	Semenov 94 Spengler 94 Albrecht 93F Avery 93 Bozek 93 Cattaneo 93 Cheung 93 Crawford 93 Deangelis 93 Frabetti 93C Frabetti 93I Pater 93 Procario 93 Seywerd 93 Zallo 93 Alvarez 92 Barlag 92B Boucrot 92 Buskalic 92 Frabetti 92E Jezabek 92 Bari 91 Bari 91B Barlag 91 Crawford 91B Ronan 91 Spiegel 91 Avery 90B	
$\bar{\Lambda} \pi^+$	Abatzis 95 Abatzis 95C Abreu 95N Edwards 95B Albrecht 94S Alexander 94 Andersen 94C Lach 94 Spengler 94 Lach 93 Alexopoulos 92 Evans 92 Lach 92 Abatzis 91 Abatzis 91B Abreu 91O Ho 91 Kinson 91 Odyniec 91 Schukraft 91 Yokosawa 91	$\bar{\Omega}^+$	Abatzis 95D Abatzis 95E Abatzis 94B Spengler 94 Deangelis 93	Λ_c^+	$p K_S$ Fujino 95 Edwards 94 Litvintsev 94 Albrecht 93F Procario 93 Zallo 93	Λ_c^+	Frabetti 95F Avery 90B	
Ξ^0	Alexopoulos 92	$\bar{\Lambda} K^+$	Adam 96 Abatzis 93	Λ_c^+	$p \bar{K}^*(892)^0$ Bozek 93	Λ_c^+	Bozek 93	
$\bar{\Lambda} \pi^0$	Edwards 95B Alexander 94	charmed-baryon	$\Sigma_c(2455)^{++} \pi^-$ Albrecht 93F $\Sigma_c(2455)^0 \pi^+$ Albrecht 93F $\Lambda_c^+ \pi^+ \pi^-$ Albrecht 93F	Λ_c^+	$p \phi(1020)$ Alexander 95 Frabetti 93I Bozek 93	Λ_c^+	Alexander 95 Frabetti 93I Bozek 93	
$\Xi(1530 P_{13})^0$	Oyang 91	Λ_c	Deangelis 93 Appel 92 Ronan 91 Avery 90B	Λ_c^+	$\Delta(1232 P_{33})^{++} K^-$ Bozek 93	Λ_c^+	Frabetti 95F Fujino 95 Edwards 94 Litvintsev 94 Spengler 94 Albrecht 93F Crawford 93 Procario 93 Albrecht 92C Procario 91 Avery 90B	
$\Xi \pi$	Deangelis 93	$\Sigma^+ \pi^0$ Kubota 93 $\Sigma^+ \rho^0$ Kubota 93 $\Sigma^+ \omega$ Kubota 93 $\Sigma^+ \pi^+ \pi^-$ Kubota 93	Λ_c^+	Buskalic 95F Payne 94 Wormser 94 Ammosov 93 Barlag 93 Ammosov 92B Appel 92 Spiegel 91	Λ_c^+	$\Lambda < p \pi^- > \pi^+$ Bishai 95 $\Sigma^+ \pi^0$ Bishai 95 $\Sigma^0 \pi^+$ Avery 93B Procario 93 Albrecht 92C Procario 91	Λ_c^+	$p \bar{K}^0 \eta$ Ammar 95 $p K^+ K^-$ Alexander 95 Fujino 95 Frabetti 93I Zallo 93 $p K^*(892)^- \pi^+$ Spengler 94 Aleev 93C $\Lambda \pi^+ \pi^0$ Fujino 95 Edwards 94 Avery 93B Procario 91 $\Lambda \eta \pi^+$ Ammar 95 $\Lambda K^+ \bar{K}^0$ Ammar 95 $\Sigma^+ \pi^+ \pi^-$ Fujino 95 Edwards 94 Frabetti 94B Zallo 93 Barlag 92B $\Sigma^0 \pi^+ \pi^0$ Avery 93B $\Sigma^- 2\pi^+$ Fujino 95 Frabetti 94B Zallo 93 $\Sigma^+ K^+ \pi^-$ Barlag 92B $\Sigma^+ K^+ K^-$ Avery 93 Barlag 92B $\Xi^- K^+ \pi^+$ Albrecht 94S Avery 93 Avery 90B $p \bar{K}^0 \pi^+ \pi^-$ Frabetti 95F Avery 90B $p K^- \pi^+ \pi^0$ Bozek 93 $p K_S \pi^+ \pi^-$ Spengler 94 Aleev 93C Zallo 93 $\Lambda 2\pi^+ \pi^-$ Frabetti 95F Fujino 95 Musolino 95 Edwards 94 Litvintsev 94
$\Xi(1530 P_{13})^-$	Iijima 92	Λ_c^+	Buskalic 95F Payne 94 Wormser 94 Ammosov 93 Barlag 93 Ammosov 92B Appel 92 Spiegel 91	Λ_c^+	$\Sigma^+ \eta$ Ammar 95 $\Sigma^+ \phi(1020)$ Avery 93 $\Sigma(1385 P_{13})^+ \eta$ Ammar 95 $\Xi^0 K^+$ Avery 93 $\Xi(1530 P_{13})^0 K^+$ Albrecht 94S Avery 93 $\Lambda e^+ \nu_e$ Crawford 95 Bergfeld 94 $\Lambda \mu^+ \nu_\mu$ Bergfeld 94 $\Lambda(1405 S_{01}) e^+ \nu_e$ Bergfeld 94 $\Lambda(1520 D_{03}) e^+ \nu_e$ Bergfeld 94 $\Lambda(1600 P_{01}) e^+ \nu_e$ Bergfeld 94 $\Lambda(1670 S_{01}) e^+ \nu_e$ Bergfeld 94 $\Lambda(1690 D_{03}) e^+ \nu_e$ Bergfeld 94 $p K^- \pi^+$ Abreu 95M Akers 95U Alexander 95 Frabetti 95F Frabetti 95I Fujino 95 Garbincius 95 Musolino 95 Chudakov 94 Edwards 94 Johns 94 Jones 94B Litvintsev 94 Moroni 94	Λ_c^+	$\Lambda e^+ \nu_e$ Crawford 95 Bergfeld 94	
$\Xi(1530 P_{13})^0$	Abreu 95C Deangelis 93	Λ_c^+	Buskalic 95F Payne 94 Wormser 94 Ammosov 93 Barlag 93 Ammosov 92B Appel 92 Spiegel 91	Λ_c^+	$\Sigma^+ \eta$ Ammar 95 $\Sigma^+ \phi(1020)$ Avery 93 $\Sigma(1385 P_{13})^+ \eta$ Ammar 95 $\Xi^0 K^+$ Avery 93 $\Xi(1530 P_{13})^0 K^+$ Albrecht 94S Avery 93 $\Lambda e^+ \nu_e$ Crawford 95 Bergfeld 94 $\Lambda \mu^+ \nu_\mu$ Bergfeld 94 $\Lambda(1405 S_{01}) e^+ \nu_e$ Bergfeld 94 $\Lambda(1520 D_{03}) e^+ \nu_e$ Bergfeld 94 $\Lambda(1600 P_{01}) e^+ \nu_e$ Bergfeld 94 $\Lambda(1670 S_{01}) e^+ \nu_e$ Bergfeld 94 $\Lambda(1690 D_{03}) e^+ \nu_e$ Bergfeld 94 $p K^- \pi^+$ Abreu 95M Akers 95U Alexander 95 Frabetti 95F Frabetti 95I Fujino 95 Garbincius 95 Musolino 95 Chudakov 94 Edwards 94 Johns 94 Jones 94B Litvintsev 94 Moroni 94	Λ_c^+	$\Lambda e^+ \nu_e$ Crawford 95 Bergfeld 94	
$\Xi^+ \pi^-$	Albrecht 94S	Λ_c^+	Buskalic 95F Payne 94 Wormser 94 Ammosov 93 Barlag 93 Ammosov 92B Appel 92 Spiegel 91	Λ_c^+	$\Sigma^+ \eta$ Ammar 95 $\Sigma^+ \phi(1020)$ Avery 93 $\Sigma(1385 P_{13})^+ \eta$ Ammar 95 $\Xi^0 K^+$ Avery 93 $\Xi(1530 P_{13})^0 K^+$ Albrecht 94S Avery 93 $\Lambda e^+ \nu_e$ Crawford 95 Bergfeld 94 $\Lambda \mu^+ \nu_\mu$ Bergfeld 94 $\Lambda(1405 S_{01}) e^+ \nu_e$ Bergfeld 94 $\Lambda(1520 D_{03}) e^+ \nu_e$ Bergfeld 94 $\Lambda(1600 P_{01}) e^+ \nu_e$ Bergfeld 94 $\Lambda(1670 S_{01}) e^+ \nu_e$ Bergfeld 94 $\Lambda(1690 D_{03}) e^+ \nu_e$ Bergfeld 94 $p K^- \pi^+$ Abreu 95M Akers 95U Alexander 95 Frabetti 95F Frabetti 95I Fujino 95 Garbincius 95 Musolino 95 Chudakov 94 Edwards 94 Johns 94 Jones 94B Litvintsev 94 Moroni 94	Λ_c^+	$\Lambda e^+ \nu_e$ Crawford 95 Bergfeld 94	
Ω^-	Abatzis 95D Abatzis 95E Adamovich 95C Abatzis 94B Landsberg 94C Moroni 94 Spengler 94 Buenerd 92 Oyang 91 Ξ^- neutral (neutrals) Albuquerque 94 ΛK^- Adam 96 Wallace 95 Lach 94 Abatzis 93 Cheung 93 Deangelis 93 Lach 93 Luk 93 Acton 92D Frabetti 92 Lach 92 Diehl 91 Henderson 91B Procario 91 Ronan 91	Λ_c^+	Buskalic 95F Payne 94 Wormser 94 Ammosov 93 Barlag 93 Ammosov 92B Appel 92 Spiegel 91	Λ_c^+	$\Sigma^+ \eta$ Ammar 95 $\Sigma^+ \phi(1020)$ Avery 93 $\Sigma(1385 P_{13})^+ \eta$ Ammar 95 $\Xi^0 K^+$ Avery 93 $\Xi(1530 P_{13})^0 K^+$ Albrecht 94S Avery 93 $\Lambda e^+ \nu_e$ Crawford 95 Bergfeld 94 $\Lambda \mu^+ \nu_\mu$ Bergfeld 94 $\Lambda(1405 S_{01}) e^+ \nu_e$ Bergfeld 94 $\Lambda(1520 D_{03}) e^+ \nu_e$ Bergfeld 94 $\Lambda(1600 P_{01}) e^+ \nu_e$ Bergfeld 94 $\Lambda(1670 S_{01}) e^+ \nu_e$ Bergfeld 94 $\Lambda(1690 D_{03}) e^+ \nu_e$ Bergfeld 94 $p K^- \pi^+$ Abreu 95M Akers 95U Alexander 95 Frabetti 95F Frabetti 95I Fujino 95 Garbincius 95 Musolino 95 Chudakov 94 Edwards 94 Johns 94 Jones 94B Litvintsev 94 Moroni 94	Λ_c^+	$\Lambda e^+ \nu_e$ Crawford 95 Bergfeld 94	

Entries in order of particle name, then decay. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). See the legend on page 331.

Λ_c^+ Ω_c

Λ_c^+	Spengler 94 Albrecht 93F Crawford 93 Avery 90B	$\bar{\Lambda}_c^-$	$\bar{\Lambda}^- \pi^+ 2\pi^-$ Frabetti 95F Fujino 95 Musolino 95 Edwards 94 Spengler 94	$\Sigma_c(2455)^{++}$	Spengler 94 Albrecht 93F Ammosov 93 Frabetti 93C Procario 93	$\Xi_c(2460)^0$	$\Xi^- \mu^+ X$ Spengler 94 $\Xi^- \ell^+ \nu$ (neutrals) Albrecht 92R $\Xi^- e^+ \nu_e$ (neutrals) Albrecht 92R $\Xi^- \mu^+ \nu_\mu$ (neutrals) + $\Xi^- e^+ \nu_e$ (neutrals) Albrecht 92R $\Xi^- \mu^+ \nu_\mu$ (neutrals) Albrecht 92R
$\Sigma^0 2\pi^+ \pi^-$	Avery 93B	$\Lambda_c(2625)^+$	$\Lambda_c^+ \gamma$ Fujino 95 Edwards 94	$\Sigma_c(2455)^+$	$\Lambda_c^+ \pi^0$ Crawford 93 Procario 93	ΛK_S Albrecht 94S	
nonres $< \Lambda \pi^+ \pi^- > e^+ \nu_e$	Bergfeld 94	$\Lambda_c^+ \pi^0$	Fujino 95 Edwards 94	$\Sigma_c(2455)^0$	Crawford 93 Deangelis 93	$\Xi \pi$ Deangelis 93	
$p K^- \pi^+ 2\pi^0$	Bozek 93	$\Sigma_c(2455) \pi^\pm$	Semenov 94	$\Lambda_c^+ \pi^-$	Frabetti 95F Chudakov 94 Spengler 94 Albrecht 93F Frabetti 93C Procario 93	$\Xi^- \pi^+$ Fujino 95 Garbincius 95 Alexander 94 Johns 94 Cheung 93 Frabetti 93 Zallo 93 Henderson 91B Procario 91	
$\Sigma^+ 2\pi^+ 2\pi^-$	Barlag 92B	$\Sigma_c(2455)^{++} \pi^-$	Frabetti 93C	$\bar{\Sigma}_c(2455)^0$	Deangelis 93	$\Omega^- K^+$ Henderson 91B Procario 91	
$p K^- \pi^+ 3\pi^0$	Bozek 93	$\Sigma_c(2455)^0 \pi^+$	Frabetti 93C	$\bar{\Lambda}_c^- \pi^+$	Frabetti 95F Spengler 94	$\Xi^- e^+ \nu_e$ Alexander 94	
$\bar{\Lambda}_c^-$	Buskalic 95F Payne 94 Wormser 94 Akers 93B Deangelis 93 Appel 92 Spiegel 91	$\Lambda_c^+ \pi^+ \pi^-$	Frabetti 95F Fujino 95 Edwards 94 Litvintsev 94 Semenov 94 Frabetti 93C	$\bar{\Sigma}_c(2455)^{--}$	Deangelis 93	$p \bar{K}^*(892)^0 K^-$ Spiegel 91	
$\bar{\Lambda} X$	Pierre 93	$\bar{\Lambda}_c(2625)^-$	$\bar{\Lambda}_c^- \gamma$ Fujino 95 Edwards 94	$\bar{\Lambda}_c^- \pi^-$	Frabetti 95F Spengler 94	$\Xi 3\pi$ Deangelis 93	
$\bar{p} K^0$	Frabetti 95F	$\bar{\Lambda}_c^- \pi^0$	Fujino 95 Edwards 94	$\Sigma_c(2530)^{++}$	$\Lambda_c^+ \pi^+$ Ammosov 93	$\Xi^- 2\pi^+ \pi^-$ Moroni 94	
$\bar{p} K_S$	Fujino 95 Edwards 94	$\bar{\Lambda}_c^- \pi^+ \pi^-$	Frabetti 95F Fujino 95 Edwards 94	$\Xi_c(2460)$	$\Xi^- X$ Crawford 91B	$\bar{\Xi}_c(2460)^0$ Henderson 91B	
$\bar{\Lambda} < \bar{p} \pi^+ > \pi^-$	Bishai 95	Λ_c^+	$\Lambda_c^+ \gamma$ Fujino 95 Edwards 94	$\Xi_c(2460)^+$	Appel 92	$\bar{\Xi}^+ e^- X$ Spengler 94	
$\bar{\Lambda} \pi^-$	Frabetti 95F Fujino 95 Edwards 94 Spengler 94	$\Lambda_c^+ \pi^0$	Fujino 95 Edwards 94	$\Sigma^+ K^*(892)$	Avery 95	$\bar{\Xi}^+ \mu^- X$ Spengler 94	
$\bar{\Sigma}^- \pi^0$	Bishai 95	$\Lambda_c^+ \pi^+ \pi^-$	Frabetti 95F Fujino 95 Edwards 94 Spengler 94	$\Xi^0 \pi^+$	Edwards 95B	$\bar{\Lambda} K_S$ Albrecht 94S	
$\bar{\Sigma}^- \eta$	Ammar 95	$\bar{\Lambda}_c^{*-}$	$\bar{\Lambda}_c^- \gamma$ Fujino 95 Edwards 94	$\Xi^0 e^+ \nu_e$	Alexander 94	$\bar{\Xi}^+ \pi^-$ Fujino 95 Alexander 94	
$\bar{\Sigma}(1385 P_{13})^- \eta$	Ammar 95	$\bar{\Lambda}_c^- \pi^0$	Fujino 95 Edwards 94	$\Xi 2\pi$	Deangelis 93	$\bar{\Xi}^+ e^- \bar{\nu}_e$ Alexander 94	
$\bar{\Xi}(1530 P_{13})^0 K^-$	Albrecht 94S	$\bar{\Lambda}_c^- \pi^+ \pi^-$	Frabetti 95F Fujino 95 Edwards 94 Spengler 94	$\Xi^0 \pi^+ \pi^0$	Avery 95 Edwards 95B	$\bar{\Xi}_c(2460)^-$ Appel 92	
$\bar{\Lambda} e^- \bar{\nu}_e$	Crawford 95	$\bar{\Lambda}_c^- \pi^+ \pi^-$	Frabetti 95F Fujino 95 Edwards 94 Spengler 94	$\Xi^- 2\pi^+$	Avery 95 Edwards 95B	$\bar{\Xi}^0 \pi^-$ Edwards 95B	
$\bar{p} K^+ \pi^-$	Abreu 95M Akers 95U Frabetti 95F Frabetti 95I Fujino 95 Garbincius 95 Musolino 95 Edwards 94 Jones 94B Spengler 94 Cattaneo 93 Alvarez 92 Barlag 91	Λ_c^+	$\Lambda_c^+ \gamma$ Fujino 95 Edwards 94	$\Xi^0 \pi^+$	Alexander 94	$\bar{\Xi}^0 e^- \bar{\nu}_e$ Alexander 94	
$\bar{p} K^0 \eta$	Ammar 95	$\Lambda_c^+ \pi^0$	Fujino 95 Edwards 94	$\Xi 2\pi$	Deangelis 93	$\bar{\Xi}^+ 2\pi^-$ Edwards 95B Fujino 95 Alexander 94	
$\bar{p} K^*(892)^+ \pi^-$	Spengler 94	$\Lambda_c^+ \pi^+ \pi^-$	Frabetti 95F Fujino 95 Edwards 94 Spengler 94	$\Xi^0 \pi^0 \pi^-$	Edwards 95B	$\bar{\Xi}^0 \pi^0 \pi^-$ Edwards 95B	
$\bar{\Lambda} \pi^0 \pi^-$	Fujino 95 Edwards 94	$\bar{\Lambda}_c^-$	$\bar{\Lambda}_c^- \gamma$ Fujino 95 Edwards 94	$\Xi^0 \pi^+ 2\pi^-$	Edwards 95B	Ω_c	
$\bar{\Lambda} \eta \pi^-$	Ammar 95	$\bar{\Lambda}_c^- \pi^0$	Fujino 95 Edwards 94	$\Omega^- e^+ X$	Spengler 94	$\Omega^- \mu^+ X$ Spengler 94	
$\bar{\Lambda} K^0 K^-$	Ammar 95	$\bar{\Lambda}_c^- \pi^+ \pi^-$	Frabetti 95F Fujino 95 Edwards 94 Spengler 94	$\Omega^- \pi^+$	Moroni 94 Cheung 93 Frabetti 92	$\Sigma^+ 2K^- \pi^+$ Frabetti 95C Fujino 95 Garbincius 95 Frabetti 94H	
$\bar{\Sigma}^- \pi^+ \pi^-$	Fujino 95 Edwards 94	$\Sigma_c(2455)$	Semenov 94	$\Xi_c(2460)^0$	Appel 92		
$\bar{\Xi}^+ K^- \pi^-$	Albrecht 94S	$\Lambda_c \pi$	Deangelis 93	$\Xi^- X$	Pierre 93		
$\bar{p} K^0 \pi^+ \pi^-$	Frabetti 95F	$\Sigma_c(2455)^{++}$	Crawford 93 Deangelis 93	$\Xi^- e^+ X$	Spengler 94		
$\bar{p} K_S \pi^+ \pi^-$	Spengler 94	$\Lambda_c^+ \pi^+$	Frabetti 95F Chudakov 94				

Ω_c

strangelet

<p>Ω_c</p> <p>$\Xi K 2\pi$ Johns 94</p> <p>$\Xi^- K^- 2\pi^+$ Deangelis 93</p> <p>$\Omega^- 2\pi^+ \pi^-$ Adamovich 95C Albrecht 92J Frabetti 92</p> <p>Adamovich 95C Frabetti 92</p>	<p>Λ_b</p> <p>$\Lambda_c^+ e^- \bar{\nu}$ Pater 93 Boucrot 92 Buskalic 92G Settles 92 Decamp 91Q</p> <p>$\Lambda_c^+ e^- \bar{\nu}_e$ Akers 95U</p> <p>$\Lambda_c^+ \mu^- \bar{\nu}$ Jones 94B Pierre 93</p> <p>$\Lambda_c^+ \mu^- \bar{\nu}_\mu$ Akers 95U</p> <p>$p D^0 \pi^-$ Jones 94B Pierre 93</p> <p>$\Lambda_c^+ \pi^+ 2\pi^-$ Bari 91</p>	<p>Ξ_b^0</p> <p>$\Xi^- e^- X$ Abreu 95N</p> <p>$\Xi^- \mu^- X$ Abreu 95N</p>	<p>$N(2000 B)^+$</p> <p>$\Delta(1232 P_{33})^{++} \pi^-$ Golovkin 95</p> <p>ΛK^+ Golovkin 95 Vavilov 95</p> <p>$\Sigma^0 K^+$ Golovkin 95 Vavilov 95</p> <p>$p \pi^+ \pi^-$ Golovkin 95 Vavilov 95</p>
<p>$\bar{\Omega}_c$</p> <p>$\bar{\Omega}^+ e^- X$ Spengler 94</p> <p>$\bar{\Omega}^+ \mu^- X$ Spengler 94</p> <p>$\bar{\Sigma}^- 2K^+ \pi^-$ Frabetti 95C</p>	<p>$\bar{\Lambda}_b$</p> <p>$\bar{\Lambda} e^+ X$ Abreu 93C Akers 93B</p> <p>$\bar{\Lambda} \mu^+ X$ Buskalic 95F Jones 94B Wormser 94 Acton 92I</p> <p>$\bar{\Lambda}_c^- e^+ X$ Buskalic 95F Wormser 94 Acton 92I</p> <p>$\bar{\Lambda}_c^- \mu^+ X$ Buskalic 95F Wormser 94</p> <p>$\bar{p} \mu^+ \nu X$ Buskalic 95F Wormser 94</p> <p>$\bar{\Lambda} e^+ \nu X$ Abreu 95M</p> <p>$\bar{\Lambda} e^+ \nu_e X$ Abreu 95M</p> <p>$\bar{\Lambda} \mu^+ \nu X$ Akers 95W Pierre 93</p> <p>$\bar{\Lambda} \mu^+ \nu_\mu X$ Abreu 95M</p> <p>$\bar{\Lambda}_c^- e^+ \nu X$ Akers 95W Pierre 93</p> <p>$\bar{\Lambda}_c^- e^+ \nu_e X$ Abreu 95M</p> <p>$\bar{\Lambda}_c^- \mu^+ \nu X$ Pierre 93</p> <p>$\bar{\Lambda}_c^- \mu^+ \nu_\mu X$ Abreu 95M</p> <p>$\bar{\Lambda} J/\psi(1S)$ Pierre 93</p> <p>$\bar{\Lambda}_c^- \pi^+$ Alexander 95E Cattaneo 93</p> <p>$\bar{\Lambda}_c^- e^+ \nu$ Musolino 95 Cattaneo 93</p> <p>$\bar{\Lambda}_c^- e^+ \nu_e$ Akers 95U</p> <p>$\bar{\Lambda}_c^- \mu^+ \nu$ Jones 94B Pierre 93</p> <p>$\bar{\Lambda}_c^- \mu^+ \nu_\mu$ Akers 95U</p> <p>$\bar{\Lambda}_c^- \mu^+ \nu_\mu$ Jones 94B Pierre 93</p>	<p>Ξ_b^+</p> <p>$\Xi^+ e^+ X$ Abreu 95N</p> <p>$\Xi^+ \mu^+ X$ Abreu 95N</p>	<p>$N(2050 B)^+$</p> <p>$\Delta(1232 P_{33})^{++} \pi^-$ Golovkin 95 Vavilov 95</p> <p>$\Sigma(1385 P_{13})^0 K^+$ Golovkin 95 Vavilov 95</p> <p>$p \pi^+ \pi^-$ Golovkin 95 Vavilov 95</p>
<p>Λ_b</p> <p>$\Lambda e^- X$ Deangelis 93</p> <p>$\Lambda \mu^- X$ Buskalic 95F Jones 94B Wormser 94 Acton 92I</p> <p>$\Lambda_c^+ e^- X$ Buskalic 95F Wormser 94 Seywerd 93</p> <p>$\Lambda_c^+ \mu^- X$ Buskalic 95F Wormser 94 Seywerd 93</p> <p>$p \mu^- \bar{\nu} X$ Buskalic 95F Wormser 94</p> <p>$\Lambda \ell^- \bar{\nu} X$ Abreu 95M</p> <p>$\Lambda e^- \bar{\nu} X$ Abreu 93C Forty 93</p> <p>$\Lambda e^- \bar{\nu}_e X$ Abreu 95M</p> <p>$\Lambda \mu^- \bar{\nu} X$ Akers 95W Pierre 93</p> <p>$\Lambda \mu^- \bar{\nu}_\mu X$ Abreu 95M</p> <p>$\Lambda_c^+ e^- \bar{\nu} X$ Akers 95W Pierre 93</p> <p>$\Lambda_c^+ e^- \bar{\nu}_e X$ Abreu 95M</p> <p>$\Lambda_c^+ \mu^- \bar{\nu} X$ Pater 93 Pierre 93 Buskalic 92</p> <p>$\Lambda_c^+ \mu^- \bar{\nu}_\mu X$ Abreu 95M</p> <p>$\Lambda J/\psi(1S)$ Pater 93 Pierre 93 Buskalic 92</p> <p>Alexander 95E Cattaneo 93 Abe 92E Boucrot 92 Buskalic 92H Gauthier 92 Maeshima 92 Albajar 91D</p> <p>$\Lambda_c^+ \pi^-$ Musolino 95 Cattaneo 93</p> <p>$\Lambda_c^+ \ell^- \bar{\nu}$ Akers 93B Forty 93</p>	<p>$\bar{\Lambda}_c^- \mu^+ \nu X$ Buskalic 95F Wormser 94</p> <p>$\bar{\Lambda}_c^- e^+ \nu X$ Buskalic 95F Wormser 94</p> <p>$\bar{\Lambda}_c^- \mu^+ X$ Buskalic 95F Wormser 94</p> <p>$\bar{\Lambda}_c^- e^+ \nu_e X$ Akers 95W Pierre 93</p> <p>$\bar{\Lambda}_c^- \mu^+ \nu X$ Abreu 95M</p> <p>$\bar{\Lambda}_c^- \mu^+ \nu_\mu X$ Akers 95W Pierre 93</p> <p>$\bar{\Lambda}_c^- e^+ \nu X$ Abreu 95M</p> <p>$\bar{\Lambda}_c^- e^+ \nu_e X$ Pierre 93</p> <p>$\bar{\Lambda}_c^- \mu^+ \nu X$ Abreu 95M</p> <p>$\bar{\Lambda}_c^- \mu^+ \nu_\mu X$ Pierre 93</p> <p>$\bar{\Lambda}_c^- \pi^+$ Alexander 95E Cattaneo 93</p> <p>$\bar{\Lambda}_c^- e^+ \nu$ Musolino 95 Cattaneo 93</p> <p>$\bar{\Lambda}_c^- e^+ \nu_e$ Akers 95U</p> <p>$\bar{\Lambda}_c^- \mu^+ \nu$ Jones 94B Pierre 93</p> <p>$\bar{\Lambda}_c^- \mu^+ \nu_\mu$ Akers 95U</p> <p>$\bar{\Lambda}_c^- \mu^+ \nu_\mu$ Jones 94B Pierre 93</p>	<p>Ξ_b^0</p> <p>$\Xi^+ e^+ X$ Abreu 95N</p> <p>$\Xi^+ \mu^+ X$ Abreu 95N</p>	<p>$N_{5/2}^*(\text{unspec})^{+++}$</p> <p>$\Delta(1232 P_{33})^{++} \pi^+$ Brovkin 91C</p> <p>$p 2\pi^+$ Abramov 91</p>
		<p>exotic-nucleon</p> <p>$\Sigma(1385 P_{13})^0 K^+$ (neutrals) Chiba 91B Kurshetsov 94 Landsberg 94C</p> <p>$p \phi(1020)$ Balatz 94B Kurshetsov 94 Landsberg 94B Landsberg 94C Vavilov 94C Landsberg 93</p> <p>$\Delta(1232 P_{33})^{++} \pi^-$ Kurshetsov 94</p> <p>ΛK^+ Balatz 94B Landsberg 94C</p> <p>$\Lambda(1520 D_{03}) K^+$ Balatz 94B Kurshetsov 94 Landsberg 94B Landsberg 94C Vavilov 94C Landsberg 93</p> <p>$\Sigma^0 K^+$ Golovkin 94 Kurshetsov 94 Landsberg 94C</p> <p>$\Sigma(1385 P_{13})^0 K^+$ Balatz 94B Balatz 94C Golovkin 94 Kurshetsov 94 Landsberg 94B Landsberg 94C Balatz 93 Landsberg 93</p> <p>$p \pi^+ \pi^-$ Kurshetsov 94</p> <p>$p K^+ K^-$ Balatz 94B Kurshetsov 94 Landsberg 94B Landsberg 94C</p>	<p>$N_{5/2}^*(\text{unspec})^{--}$</p> <p>$n 2\pi^-$ Brovkin 94</p> <p>$N\phi(1950)^+$</p> <p>$\Sigma(1385 P_{13})^0 K^+$ Balatz 94C Landsberg 94B Landsberg 94C Balatz 93 Landsberg 94B</p> <p>$\Lambda K^+ \pi^0$ Landsberg 94B</p> <p>$N\phi(1950)^0$</p> <p>$\Sigma(1385 P_{13})^- K^+$ Landsberg 94C Landsberg 90</p> <p>$\Xi^*(\text{unspec})^0$</p> <p>$\Xi^- \pi^+$ Ronan 91</p> <p>R-baryon</p> <p>R-baryon π^+ Albuquerque 96</p> <p>R-baryon π^- Albuquerque 96</p> <p>R-proton</p> <p>Albuquerque 96</p> <p>R-Λ</p> <p>R-proton π^- Albuquerque 96</p> <p>R-Ξ^-</p> <p>R-$\Lambda \pi^-$ Albuquerque 96</p> <p>anomalon</p> <p>Cecchini 93</p> <p>fireball</p> <p>Ameeva 92</p> <p>chiron</p> <p>Arisawa 94</p> <p>strangelet</p> <p>Appelquist 95 Beavis 95B Appelquist 94</p>

Entries in order of particle name, then decay. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). See the legend on page 331.

strangelet

strangelet		⁵⁰Cr(atom)	¹⁶³Dy(ion 66⁺)	dibaryon(S = -1)
$p\ 2\Lambda$	Borer 94 Stocker 95 Longacre 93	⁵⁰Ti(atom)* Zdesenko 92	¹⁶³Ho(ion 66⁺) $\bar{\nu}_e$ Jung 92	$p\ \Lambda$ Piekarz 93
positronium		⁵⁰Ti(atom) $2\nu_e$ Zdesenko 92	nucleus	$n\ \Lambda$ Piekarz 93
$0\gamma\ 2$ neutral (neutrals)	Mitsui 93	⁵⁵Fe(atom)	nucleus $2e^-$ Tretyak 95 Ejiri 91B	$p\ \Sigma^0$ Piekarz 93
γ neutral	Maeno 95 Asai 94 Akopyan 91	⁵⁵Mn(atom) $\nu_e\ \gamma$ Logan 91	nucleus $2e^+$ Tretyak 95	$p\ \Sigma^-$ Longacre 95 Imai 92
2γ	Vonbusch 94 Akopyan 91	⁵⁵Mn(atom) heavy-$\nu_e\ \gamma$ Daszewski 95 Wiefeldt 93 Hime 91B	nucleus $2e^-$ majoron Tretyak 95 Ejiri 91B	$n\ \Sigma^-$ Piekarz 93
γ axion		⁵⁸Ni(atom)	nucleus $2e^+$ majoron Tretyak 95	$2n\ \pi^-$ Piekarz 93
2 millicharged	Akopyan 92 Mitsui 93	⁵⁸Fe(atom)* Zdesenko 92	nucleus $2e^-$ 2majoron Tretyak 95	hypernucleus(S = -2)
3γ	Asai 95 Asai 94 Skalsey 92B Akopyan 91	⁵⁸Fe(atom) $2\nu_e$ Zdesenko 92	nucleus $2e^+$ 2majoron Tretyak 95	$2p\ X$ Aoki 91
4γ	Vonbusch 94	⁶⁴Zn(atom)	nucleus $2e^-$ 2$\bar{\nu}_e$ Tretyak 95 Ejiri 91B	hypernucleus π^- Imai 92 Aoki 91E
muonium		⁶⁴Ni(atom)* Zdesenko 92	nucleus $2e^+$ $2\nu_e$ Tretyak 95	dibaryon(S = -2)
muonium	Mamedov 92	⁶⁴Ni(atom) $2\nu_e$ Zdesenko 92	hypernucleus	$p\ \Sigma^-$ Shakhbazyan 95 Itow 94 Shakhbazyan 94 Shakhbazyan 93B Shakhbazyan 92 Shakhbazyan 92C Shakhbazyan 91
muonium	Abazov 93 Gordeev 93 Ni 93 Matthias 91	⁷¹Ge(atom)	dibaryon(S = -1) X Imai 92	$p\ \Lambda\ \pi^-$ Shakhbazyan 91
($\pi\pi$)atom	Abazov 93 Gordeev 93 Ni 93 Matthias 91	$\gamma\ X$ Digregorio 93	$2n\ X$ Aoki 91E	dibaryon(S = -2)⁺
(πp)atom	Afanasyev 94 Afanasyev 93	⁷¹Ga(atom) $\nu\ \gamma$ Zlimer 91	$p\ 2$ frag X Aoki 93	$p\ \Lambda$ Shakhbazyan 94
(πp)[*]atom	Sigg 95	⁷¹Ga(atom) $\nu_e\ \gamma$ Digregorio 93 Logan 91	dibaryon	$p\ \Lambda\ \pi^0$ Shakhbazyan 94 Shakhbazyan 93 Shakhbazyan 93B Shakhbazyan 92B
γ (πp)atom	Sigg 95	⁷¹Ga(atom) heavy-$\nu_e\ \gamma$ Hime 91B Morrison 91	2baryon Nagata 92	dibaryon(S = -2)[*]
($\bar{p}p$)atom	Amsler 91	⁹²Mo(atom)	2nucleon Strakovskii 91	$p\ \Sigma^-$ Shakhbazyan 95
(\bar{p}He)atom	Morita 95 Daniel 94 Hayano 94B	⁹²Zr(atom)* Zdesenko 92	2p Abramov 94 Ball 94B Troyan 94 Kratenko 93 Troyan 93 Abramov 92 Nagata 92 Baturin 91B Didenko 91B Kobayashi 91 Antipov 90 Antipov 90E	dibaryon(S = -3)
H(atom)		⁹²Zr(atom) $2\nu_e$ Zdesenko 92	$p\ n$ Aleshin 91	$p\ \Lambda\ \pi^-$ Shakhbazyan 92
H(atom) γ	Andreae 92 Nez 92 Weitz 92	⁹²Zr(atom) $2\bar{\nu}_e +$ Aunola 95	$p\ \Delta(1232\ P_{33})^{++}$ Troyan 94	³H
H(atom)*	Hagley 94 Schmidtkaler 94 Weitz 94	⁹²Zr(atom) $e^+ 2\bar{\nu}_e +$ Aunola 95	deuteron γ Burmistrov 95	$e^- X$ Bahran 95 Kalbfleisch 93 Weinheimer 93 Bahran 92
²H(atom)*		⁹²Zr(atom) $e^+ 0\bar{\nu}_e$ Aunola 95	deuteron π Strakovskii 91	e^- heavy- $\bar{\nu}_e\ X$ Bahran 95 Kalbfleisch 93 Bahran 92
²H(atom) γ	Schmidtkaler 94 Weitz 94	¹⁰⁶Cd(atom)	deuteron π^+ Antipov 90	$^3\text{He}\ e^- \bar{\nu}_e$ Belesev 95 Hiddemann 95 Raffelt 93 Cline 92 Holzschuh 92 Budick 91 Budick 91B Kawakami 91 Logan 91 Robertson 91
Ne(atom)		¹⁰⁶Pd(atom)* Zdesenko 92	deuteron π^- Antipov 90	$^3\text{He}\ e^- \bar{\nu}_\mu$ Stoeffl 95
Ne(atom) γ	Mcgowan 93	¹⁰⁶Pd(atom) $2\nu_e$ Zdesenko 92	dibaryon π^+ Troyan 94	$^3\text{He}\ e^-$ heavy- $\bar{\nu}_e$ Hime 92 Hime 91B Morrison 91
		¹⁰⁸Cd(atom)	$2p\ \pi^+$ Troyan 94	
		¹⁰⁸Pd(atom)* Zdesenko 92	$2p\ \pi^-$ Antipov 90E Troyan 90	
		¹²⁵I(atom)	$2n\ \pi^-$ Combescomets 91	
		¹²⁵Te(atom) $\nu_e\ \gamma$ Hindi 94 Logan 91	$2p\ \pi^0\ \pi^-$ Troyan 90	
		¹²⁵Te(atom) heavy-$\nu_e\ \gamma$ Hindi 94 Hime 91B Morrison 91	dibaryon⁺	
		¹⁶³Ho(atom)	$2p\ \pi^-$ Deloff 95 Efremenko 94	
		¹⁶³Dy(atom) $\nu_e\ \gamma$ Yasumi 94		
		¹⁸⁰Wt(atom)		
		¹⁸⁰Hf(atom)* Zdesenko 92		
		¹⁹⁶Hg(atom)		
		¹⁹⁶Pt(atom)* Zdesenko 92		

³H_s

¹⁰⁰Mo

³H_s deuteron $p \pi^-$ Batusov 92	¹⁴C Sur 91 ¹⁴ Nit e^- heavy- $\bar{\nu}_e$ Hime 91B Morrison 91 Sur 91	⁴⁸Ca ⁴⁸ Ti $2e^-$ majoron Zdesenko 92 ⁴⁸ Ti $2e^- 2\bar{\nu}_e$ Zdesenko 92	⁷⁶Ge ⁷⁶ Se $2e^- 2\bar{\nu}_e$ Balysh 95 Balysh 94 Beck 93 Raffelt 93 Zdesenko 92 Avignone 91 Ejiri 91B ⁷⁶ Se* $2e^- 2\bar{\nu}_e$ Klapdorklein 91
tribaryon ³p Didenko 91B	¹⁵Nit* ¹⁵ Nit γ Olson 91	⁴²Sc ⁴² Ca $e^+ \nu_e$ Woolcock 91 ⁴² Ca* $e^+ \nu_e$ Hagberg 92	⁸²Se ⁸² Kr $2e^- X$ Zdesenko 92 ⁸² Kr $2e^-$ Elliott 92 Zdesenko 92 Ejiri 91B ⁸² Kr $2e^-$ majoron Zdesenko 92 ⁸² Kr $2e^- 2\bar{\nu}_e$ Elliott 92 Zdesenko 92 Ejiri 91B
⁴H_s ⁴ He π^- Aoki 95B Aoki 93 Batusov 92 deuteron $p n \pi^-$ Batusov 92	¹⁴O ¹⁴ Nit $e^+ \nu_e$ Woolcock 91	⁴⁶Va ⁴⁶ Ti $e^+ \nu_e$ Woolcock 91 ⁴⁶ Ti* $e^+ \nu_e$ Hagberg 92	⁷⁸Kr ⁷⁸ Se $2e^+$ Zdesenko 92 ⁷⁸ Se $2e^+ 2\nu_e$ Zdesenko 92
¹¹Li ⁸ Li ³ H $e^- \bar{\nu}_e$ Mukha 95 ⁹ Li deuteron $e^- \bar{\nu}_e$ Mukha 95	¹⁵O* ¹⁵ O γ Suzuki 93B	⁵¹Cr $\nu_e X$ Anselmann 95 Bahcall 95	Yt* $e^\pm X$ Gromov 92
⁹Be_s ⁴ He ³ He $2n$ Aoki 95B ⁶ Li $p 2n$ Aoki 95B	¹⁶O ¹⁵ O* $2\nu_e \bar{\nu}_e$ Suzuki 93B ¹⁵ O* $2\nu_\mu \bar{\nu}_\mu$ Suzuki 93B ¹⁵ O* $2\nu_\tau \bar{\nu}_\tau$ Suzuki 93B	⁵⁰Mn ⁵⁰ Cr $e^+ \nu_e$ Woolcock 91 ⁵⁰ Cr* $e^+ \nu_e$ Hagberg 92	⁹⁴Zr ⁹⁴ Mo $2e^-$ Zdesenko 92 ⁹⁴ Mo $2e^-$ majoron Zdesenko 92 ⁹⁴ Mo $2e^- 2\bar{\nu}_e$ Zdesenko 92
⁸Bor ⁸ Be $e^+ \nu_e$ Suzuki 93	²⁶Al ²⁶ Mg $e^+ \nu_e$ Woolcock 91	⁵⁵Fe ⁵⁵ Mn $e^- \bar{\nu}_e$ Sykora 95 ⁵⁵ Co $e^- \bar{\nu}_e$ Cline 92	⁹⁶Zr ⁹⁶ Mo $2e^-$ Vasiliev 95 Zdesenko 92 ⁹⁶ Nb $e^- \bar{\nu}_e \gamma$ Barabash 94 ⁹⁶ Mo $2e^- \gamma$ Barabash 94 ⁹⁶ Mo $2e^-$ majoron Zdesenko 92 ⁹⁶ Mo $2e^- 2\nu$ Vasiliev 95 ⁹⁶ Mo $2e^- 2\bar{\nu}_e$ Zdesenko 92 ⁹⁶ Mo* $2e^- 2\bar{\nu}_e$ Arpesella 94 ⁹⁶ Mo $2e^- 2\bar{\nu}_e \gamma$ Barabash 94
¹¹Bor_s $\pi^0 X$ Sakaguchi 90 $\pi^- X$ Ajimura 92B $p X$ Ajimura 92B $\Lambda < p \pi^- > X$ Noumi 95 $\Lambda < n \pi^0 > X$ Noumi 95 $p n X$ Noumi 95 $2n X$ Noumi 95	²⁷Si ²⁷ Al $e^+ \nu_e$ Hallin 92	⁵⁴Co ⁵⁴ Fe $e^+ \nu_e$ Woolcock 91 ⁵⁴ Fe* $e^+ \nu_e$ Hagberg 92	¹⁰⁰Mo ¹⁰⁰ Ru $2e^-$ Dassie 94 Alstongarnjo 93 Zdesenko 92 Dassie 91 Ejiri 91 Ejiri 91B ¹⁰⁰ Ru* $2e^-$ Barabash 95B ¹⁰⁰ Ru* $0\nu_e 2e^-$ Kudomi 92 ¹⁰⁰ Ru $2e^-$ majoron Dassie 94 Tanaka 93 Zdesenko 92 ¹⁰⁰ Ru $2e^- 2$ majoron Tanaka 93 ¹⁰⁰ Ru $2e^- 2\nu$ Ejiri 91 ¹⁰⁰ Ru* $2e^- 2\nu$ Kudomi 92
¹²C_s $p X$ Ajimura 92B $\Lambda < p \pi^- > X$ Noumi 95 $\Lambda < n \pi^0 > X$ Noumi 95 $p n X$ Noumi 95 $2n X$ Noumi 95 ¹¹ Bor _s $p \gamma$ Ajimura 92B	³⁵S $e^- X$ Abele 93 Berman 93 $e^- \gamma X$ Moriyama 95 $e^- \bar{\nu}_e \gamma X$ Moriyama 95 ³⁵ Cl e^- unspec Hicks 92 ³⁵ Cl $e^- \bar{\nu}_e$ Berman 93 Mortara 93 Cline 92 Logan 91 ³⁵ Cl e^- heavy- $\bar{\nu}_e$ Bowler 95 Bowler 94 Chen 92C Hime 92 Hime 91 Hime 91B Morrison 91	⁶³Ni $e^- X$ Derbin 93 ⁶³ Cu $e^- \bar{\nu}_e$ Ohshima 93 Cline 92 Kawakami 92 Ohshima 92 Shirai 92 Logan 91 ⁶³ Cu e^- heavy- $\bar{\nu}_e$ Hime 91B Morrison 91	
C_s $\pi^0 X$ Sakaguchi 90	³⁴Cl ³⁴ S $e^+ \nu_e$ Woolcock 91	⁷⁰Zn ⁷⁰ Ge $2e^- X$ Zdesenko 92	
C* C γ Lyndon 92	³⁵Ar* ³⁵ Ar γ Converse 93 ³⁵ Cl $e^+ \nu_e$ Converse 93	⁷¹Ge ⁷¹ Ga $e^- \bar{\nu}_e$ Lee 95 ⁷¹ As $e^- \bar{\nu}_e$ Cline 92	
C_s* ¹¹ Bor _s p Sakaguchi 90	³⁸KK ³⁸ Ar $e^+ \nu_e$ Woolcock 91	⁷⁶Ge γX Reusser 92 ⁷⁶ Se $2e^-$ Balysh 95 Raffelt 93 Balysh 92 Reusser 92 Zdesenko 92 Ejiri 91B Kirpichnikov 91 ⁷⁶ Se* $2e^-$ Barabash 95 Balysh 92 Klapdorklein 91 ⁷⁶ Se $2e^-$ majoron Beck 93 Zdesenko 92	
¹⁴C γX Wietfeldt 95 $e^- \bar{\nu}_e X$ Wietfeldt 95 ¹⁴ Nit $e^- \bar{\nu}_e$ Cline 92 Hime 92 Kuzminov 92 Logan 91 Norman 91	⁴⁶Ca ⁴⁶ Ti $2e^-$ Zdesenko 92 ⁴⁶ Ti $2e^- 2\bar{\nu}_e$ Zdesenko 92		
	⁴⁸Ca ⁴⁸ Ti $2e^-$ Zdesenko 92 Ejiri 91B You 91		

Entries in order of particle name, then decay. A few chemical symbols for nuclei have been changed to avoid ambiguity with particle names (see the Particle Vocabulary). See the legend on page 331.

^{100}Mo

^{100}Mo	^{130}Te	^{150}Nd
$^{100}\text{Ru } 2e^- 2\bar{\nu}_e$ Dassie 94 Zdesenko 92 Ejiri 91B	γ X Alessandrell 94	$^{150}\text{Sm}^* 2e^- 2\bar{\nu}_e$ Ejiri 91B Arpesella 94
$^{100}\text{Ru}^* 2e^- 2\bar{\nu}_e$ Barabash 95B Blum 92	$^{130}\text{Xe } 2e^- X$ Zdesenko 92	^{160}Nd
^{96}Ru	$^{130}\text{Xe } 2e^-$ Alessandrell 94 Alessandrell 92 Zdesenko 92 Ejiri 91B	$^{160}\text{Nd } 2e^-$ majoron Zdesenko 92
$^{96}\text{Mo } 2e^+$ Zdesenko 92	$^{130}\text{Xe } 2e^- 0\bar{\nu}_e$ Bernatowicz 92	^{160}Gd
$^{96}\text{Mo } 2e^+ 2\nu_e$ Zdesenko 92	$^{130}\text{Xe } 2e^-$ majoron Bernatowicz 92	$^{160}\text{Dy } 2e^-$ Kobayashi 94 Zdesenko 92
$^{100}\text{Ru}^*$	$^{130}\text{Xe } 2e^- 2\bar{\nu}_e$ Bernatowicz 93 Bernatowicz 92 Zdesenko 92 Ejiri 91B	$^{160}\text{Dy } 2e^- 2\bar{\nu}_e$ Kobayashi 94 Zdesenko 92
$^{100}\text{Ru } \gamma$ Barabash 95B Blum 92 Kudomi 92	^{124}Xe	^{177}Lu
^{110}Pd	$^{124}\text{Te } 2e^+$ Zdesenko 92	$^{177}\text{Hf } e^- \bar{\nu}_e$ Cline 92 Logan 91
$^{110}\text{Cd } 2e^- X$ Zdesenko 92	$^{124}\text{Te } 2e^+ 2\nu_e$ Zdesenko 92	$^{177}\text{Hf } e^-$ heavy- $\bar{\nu}_e$ Morrison 91
^{106}Cd	^{134}Xe	^{186}Wt
$^{106}\text{Pd } 2e^+$ Zdesenko 92	$^{134}\text{Ba } 2e^-$ Zdesenko 92	$^{186}\text{Os } 2e^-$ Zdesenko 92
$^{106}\text{Pd } 2e^+ 2\nu_e$ Zdesenko 92	$^{134}\text{Ba } 2e^- 2\bar{\nu}_e$ Zdesenko 92	$^{186}\text{Os } 2e^- 2\bar{\nu}_e$ Zdesenko 92
^{114}Cd	^{136}Xe	^{187}Re
$^{114}\text{Sn } 2e^-$ Zdesenko 92	$^{136}\text{Ba } 2e^-$ Vuilleumier 93 Zdesenko 92 Bellotti 91 Ejiri 91B Wong 91	$^{187}\text{Os } e^- \bar{\nu}_e$ Cosulich 92
$^{114}\text{Sn } 2e^- 2\bar{\nu}_e$ Zdesenko 92	$^{136}\text{Ba } 2e^-$ majoron Zdesenko 92	^{192}Os
^{116}Cd	$^{136}\text{Ba } 2e^- 2\bar{\nu}_e$ Miyajima 94 Zdesenko 92 Artemiev 91 Artemiev 91B Bellotti 91 Ejiri 91B	$^{192}\text{Pt } 2e^- X$ Zdesenko 92
$^{116}\text{Sn } 2e^-$ Danevich 95 Georgadze 95 Kume 94 Zdesenko 92	^{130}Ba	^{198}Pt
$^{116}\text{Sn } 2e^-$ majoron Zdesenko 92	$^{130}\text{Xe } 2e^+ X$ Zdesenko 92	$^{198}\text{Hg } 2e^- X$ Zdesenko 92
$^{116}\text{Sn } 2e^- 2\bar{\nu}_e$ Arnold 95 Danevich 95 Georgadze 95 Kume 94 Piepke 94 Zdesenko 92	$^{130}\text{Xe } 2e^+ 2\nu_e$ Barabash 96	^{214}Bi
^{107}In	^{132}Ba	$e^* X$ Pokotilovsky 93B
$^{107}\text{Cd } e^+ \nu_e$ Severijns 93	$^{132}\text{Xe } 2e^+$ Barabash 96	$e^- \gamma X$ Pokotilovsky 92
^{122}Sn	$^{132}\text{Xe } 2e^+ 2\nu_e$ Barabash 96	^{238}U
$^{122}\text{Te } 2e^- X$ Zdesenko 92	$^{139}\text{La}^*$	$^{238}\text{Pu } 2e^- X$ Zdesenko 92
^{124}Sn	$^{139}\text{La } \gamma$ Minowa 93	$^{238}\text{Pu } 2e^- 2\bar{\nu}_e$ Turkevich 91
$^{124}\text{Te } 2e^-$ Zdesenko 92	^{139}La axion Minowa 93	^{244}Pu
$^{124}\text{Te } 2e^- 2\bar{\nu}_e$ Zdesenko 92	^{148}Nd	$^{244}\text{Cm } 2e^-$ Moody 92
^{128}Te	$^{148}\text{Sm } 2e^-$ Zdesenko 92	^{244}Cm
$^{128}\text{Xe } 2e^- X$ Zdesenko 92	$^{148}\text{Sm } 2e^- 2\bar{\nu}_e$ Zdesenko 92	$^4\text{He } X$ Moody 92
$^{128}\text{Xe } 2e^-$ Zdesenko 92 Ejiri 91B	^{150}Nd	^{252}Cf
$^{128}\text{Xe } 2e^- 0\bar{\nu}_e$ Bernatowicz 93 Bernatowicz 92	$^{150}\text{Sm } 2e^-$ Zdesenko 92 Ejiri 91B	neutral X Tsunoda 95
$^{128}\text{Xe } 2e^-$ majoron Bernatowicz 92	$^{150}\text{Sm } 2e^-$ majoron Zdesenko 92	$e^- e^+ X$ Tsunoda 95
$^{128}\text{Xe } 2e^- 0\bar{\nu}_e$ majoron Bernatowicz 93	$^{150}\text{Sm } 2e^- 2\nu$ Artemiev 94	
$^{128}\text{Xe } 2e^- 2\bar{\nu}_e$ Bernatowicz 93 Bernatowicz 92 Zdesenko 92	$^{150}\text{Sm } 2e^- 2\bar{\nu}_e$ Artemiev 96 Artemiev 93 Wasiliev 93 Zdesenko 92	

This index lists papers by the accelerator, the experiment number, and the detector used, ordered alphabetically. The Accelerator Vocabulary and the Detector Vocabulary list all the facilities used by papers indexed in this book. A question mark indicates that the information is missing, usually because it was not given in the paper. A dash mark indicates that no experiment number or name is available.

Illustrative Key

Accelerator: see the *Accelerator Vocabulary* for definitions.

Detector: see the *Detector Vocabulary* for definitions.

ANL	
ANL-E-412	
DBC-12FT	Mann 86
ANL-E-435	
CNTR	Auer 86
SPEC	Auer 86B
WIRE	Auer 86
ANL-E-441	
EMS	Finley 85
ANL-E-447	
SPEC	Auer 88
ANL-E-451	
EMS	Wicklund 85
	Wicklund 87
BNL	
BNL-673-593	
MPS	Bensinger 85
BNL-701	
COMB	Franklin 87
BNL-702	
COMB	Snow 85
BNL-723	
SPEC	Gall 88
	Hertzog 88
BNL-726	
WIRE	Christenson 85
BNL-732	
CALO	Chiang 86

Document ID: see the *ID/Reference/Title Index* for the full reference.

Experiment: the experiment's number, where known.

ANIK-MEA

BNL-ION

ANIK-MEA	BNL	BNL-ION
SPEC Kester 95 Kester 95B Vandenbrink 95 Anklin 94 Ent 94 Welch 92 Wesseling 92	BNL-791 SPEC Atiya 92 Atiya 92B Kuno 92 Atiya 91 Atiya 91B Heinson 94 Arisaka 93 Arisaka 93B Littenberg 93 Ritchie 93 Drell 92B Schwartz 92 Heinson 91	Akiba 93 Abbott 92 Abbott 92B Abbott 92C Abbott 92D Cole 92 Abbott 91 Abbott 91B Abbott 91C Abbott 91D Betts 91 Odyniec 91 Schukraft 91 Bloomer 90 Abbott 94B
ANL ? HBC-30IN ANL-E-412 DBC-12FT	BNL-794 DAS Krisch 91 Nurushev 91 Pile 91 Larson 93 Noble 92 Yokosawa 91	WIRE BNL-806 PLASTIC BNL-808 EMUL Sengupta 93 Bakk 91
ANL-ATLAS ANL-ATLAS-APEX APEX	BNL-798 SPEC BNL-811 CRYS-BOX Larson 93 Noble 92 Yokosawa 91	BNL-810 MPS Eiseman 95B Longacre 95 Stocker 95 Eiseman 94 Eiseman 93 Longacre 93 Adams 92 Adams 92F Ahmad 92B Eiseman 92 Eiseman 92B Odyniec 91 Bloomer 90
BHEP-BEPC BEPC-BES BES	BNL-817 MPS BNL-820 SPEC BNL-825 PHOTON BNL-835 CNTR SPEC BNL-838 DAS BNL-845 PHOTON Weiss 94 Sawafta 93 Weiss 94 Sawafta 93 Appel 91	BNL-814 CALO Barrette 95 Barrette 95C Barrette 95D Barrette 95F Barrette 94B Fatyga 94 Hemmick 94 Lissauer 94B Lissauer 94C Rosati 94 Xu 94 Barrette 93 Barrette 93C Barrette 92 Barrette 92B Barrette 92C Duek 92 Duek 92B Bloomer 90 Barrette 95 Barrette 95D Barrette 95C Barrette 95F Stocker 95 Barrette 94B Barrette 94C Fatyga 94 Hemmick 94 Lissauer 94B Lissauer 94C Ludlam 94 Sonnadara 94 Xu 94 Barrette 93 Barrette 93C Barrette 92 Barrette 92B Barrette 92C Duek 92 Duek 92B Barrette 91
BNL ? COMB DBC-30IN HBC-30IN BNL-564 HBC-30IN BNL-631 SPEC BNL-701 DBC-30IN BNL-723 SPEC BNL-734 CALO BNL-744 COMB BNL-747 MPS BNL-755 DAS BNL-766 SPEC BNL-771 MPS-II BNL-776 COMB BNL-777 SPEC BNL-780 WIRE BNL-785 SAS BNL-787 SPEC	BNL-851 SPEC BNL-865 SPEC BNL-871 SPEC BNL-874 DRIFT SPEC BNL-886 CNTR SPEC BNL-ION ? PLASTIC Hirzebruch 95 Cecchini 93 He 91 Price 91 Abbott 94B Ahle 94 Betts 91 Abbott 95 Abbott 94 Tannenbaum 94 Abbott 93	BNL-815 EMUL Adamovich 95F Adamovich 95G Adamovich 95H Andreeva 95B Adamovich 94B Adamovich 94C Adamovich 93F Otterlund 93

CERN-LEAR

CERN-LEP

CERN-LEAR	CERN-LEAR	CERN-LEAR	CERN-LEP	
	Anisovich 95 Ableev 94B Amsler 94 Amsler 94B Amsler 94C Amsler 94D Amsler 94E Amsler 94F Amsler 94G Amsler 94H Amsler 94I Amsler 94J Amsler 94J Anisovich 94 Brose 94 Faessler 94 Felix 94 Ravndal 94 Spanier 94 Strassburger 94 Wiedner 94 Amsler 93 Amsler 93B Amsler 93C Amsler 93D Amsler 92B Amsler 92C Amsler 92D Peters 92 Aker 91 Amsler 91B Gastaldi 91	TOF CERN-PS-205 CNTR PLASTIC CERN-PS-206 CNTR COMB TOF — MANY	Polster 93 Morita 95 Hayano 94B Widmann 94 Eades 93 Daniel 94 Bradamante 95 Birsas 94 Bradamante 94 Bradamante 95 Birsas 94 Bradamante 91	Buskulic 93B Buskulic 93C Buskulic 93D Buskulic 93E Buskulic 93F Buskulic 93G Buskulic 93H Buskulic 93I Buskulic 93J Buskulic 93K Buskulic 93L Buskulic 93M Buskulic 93N Buskulic 93O Buskulic 93P Cattaneo 93 Fernandez 93 Finch 93 Forty 93 Gaidot 93 Giacomelli 93 Kirsch 93 Pater 93 Pierre 93 Pulzer 93 Schwarz 93 Sefkow 93 Seywerd 93 Tenchini 93 Ting 93 Bardadinotwi 92 Bardadinotwi 92B Barklow 92 Bencheikh 92 Bethke 92 Borzumati 92 Boucrot 92 Brandl 92 Bryman 92 Buskulic 92 Buskulic 92B Buskulic 92C Buskulic 92D Buskulic 92E Buskulic 92F Buskulic 92G Buskulic 92H Buskulic 92I Buskulic 92J Buskulic 92K Buskulic 92L Buskulic 92M Campana 92 Dam 92 Decamp 92 Decamp 92B Decamp 92C Dittmar 92 Drell 92B Feindt 92B Felcini 92 Gross 92 Gross 92B Janssen 92 Nuttall 92 Riles 92 Rolandi 92 Settles 92 Seywerd 92 Sopczak 92 Trischuk 92 Banerjee 91 Bertin 91 Bethke 91 Bethke 91B Bhattacharyy 91 Boyle 91 Burkhardt 91 Capon 91 Colas 91 Deangelis 91 Deangelis 91B Decamp 91 Decamp 91B Decamp 91C
CERN-PS-198 SPES-II CERN-PS-199 CNTR	Perrotkunne 91 Ahmidouch 95 Ahmidouch 95B Bradamante 94 Lamanna 94 Birsas 93 Birsas 93B Dallatorreco 92 Birsas 91	CERN-LEP-05 CALO CERN-LEP-06 PLASTIC CERN-LEP-ALEPH ALEPH	Bini 91 Kinoshita 92 Buskulic 96 Andreazza 95 Bourdon 95 Buskulic 95 Buskulic 95B Buskulic 95C Buskulic 95D Buskulic 95E Buskulic 95F Buskulic 95G Buskulic 95H Buskulic 95I Buskulic 95J Buskulic 95K Buskulic 95L Buskulic 95M Buskulic 95N Buskulic 95O Buskulic 95P Buskulic 95Q Buskulic 95R Buskulic 95S Buskulic 95T Buskulic 95U Buskulic 95V Cerutti 95 Charlesworth 95 Ferrante 95 Girone 95 Musolino 95 Raab 95 Rouge 95 Alemany 94 Brient 94 Buskulic 94 Buskulic 94B Buskulic 94C Buskulic 94D Buskulic 94E Buskulic 94F Buskulic 94G Buskulic 94H Buskulic 94I Buskulic 94J Buskulic 94K Buskulic 94L Buskulic 94M Buskulic 94N Carr 94 Colas 94 Danilov 94 Dejongh 94 Dremin 94 Duflo 94 Golotvin 94 Gomezycadena 94 Janot 94 Kramer 94 Richard 94 Wormser 94 Arnaudon 93 Blondel 93 Buskulic 93	
CERN-PS-201 OBELIX	Ableev 95C Ableev 94 Ableev 94B Ableev 94C Ableev 94D Ableev 94G Ableev 94H Ableev 94I Adamo 94 Agnello 94 Felicciello 94 Lucherini 94 Masoni 94 Piccinini 94 Sapozhnikov 94 Sapozhnikov 94B Ableev 93 Adamo 92 Adamo 92B Adamo 92C Hertzog 92 Zenoni 92B Agnello 91 Gastaldi 91 Ableev 95 Bertin 95 Ableev 94E Ableev 94F Ableev 93B			
SPEC	Gastaldi 91 Ableev 95 Bertin 95 Ableev 94E Ableev 94F Ableev 93B			
CERN-PS-202 JETSET	Bertolotto 95 Bertolotto 94 Steinkamp 94 Hamann 92 Hertzog 92 Harris 91B			
CERN-PS-203 PHOTON SEMI	Lubinski 94 Polster 95 Jastrzebski 93 Hofmann 92 Sudov 93			
SPEC				

CERN-LEP

CERN-LEP

CERN-LEP

Decamp 91D
Decamp 91E
Decamp 91F
Decamp 91G
Decamp 91H
Decamp 91I
Decamp 91J
Decamp 91K
Decamp 91L
Decamp 91M
Decamp 91N
Decamp 91O
Decamp 91P
Decamp 91Q
Decamp 91R
Decamp 91S
Dydak 91
Ellis 91
Fabbri 91
Giacomelli 91
Halley 91
Hebbeker 91
Hebbeker 91B
Hidaka 91
Mattig 91
Meinhard 91
Patton 91
Perez 91
Pieri 91
Pietrzyk 91
Privitera 91
Roehn 91
Sawyer 91
Stahl 91
Trischuk 91
Wachsmuth 91
Yepes 91
Zomer 91
Zomer 91B
Decamp 90
Decamp 90M
Decamp 90N
Steinberger 90

CERN-LEP-DELPHI
DELPHI

Abreu 96
Abreu 96B
Abreu 96C
Adam 96
Abreu 95
Abreu 95B
Abreu 95C
Abreu 95D
Abreu 95E
Abreu 95F
Abreu 95G
Abreu 95H
Abreu 95I
Abreu 95J
Abreu 95K
Abreu 95L
Abreu 95M
Abreu 95N
Abreu 95O
Abreu 95P
Abreu 95Q
Abreu 95R
Abreu 95S
Abreu 95T
Abreu 95U
Adam 95
Adam 95B
Andreazza 95
Charlesworth 95
Dam 95
Ferrante 95
Stugu 95
Abreu 94
Abreu 94B
Abreu 94C
Abreu 94D
Abreu 94E
Abreu 94F
Abreu 94G
Abreu 94H
Abreu 94I

CERN-LEP

Abreu 94J
Abreu 94K
Abreu 94L
Abreu 94M
Abreu 94N
Abreu 94O
Abreu 94P
Abreu 94Q
Abreu 94R
Abreu 94S
Alemany 94
Bonivento 94
Brient 94
Carr 94
Colas 94
Danilov 94
Dejongh 94
Demin 94
Dremin 94
Golutvin 94
Gomezycadena 94
Janot 94
Kramer 94
Richard 94
Wormser 94
Abreu 93
Abreu 93B
Abreu 93C
Abreu 93D
Abreu 93E
Abreu 93F
Abreu 93G
Abreu 93H
Abreu 93I
Abreu 93J
Abreu 93K
Abreu 93L
Arnaudon 93
Batyunya 93C
Blondel 93
Cao 93
Cattaneo 93
Fernandez 93
Finch 93
Forty 93
Gaidot 93
Giacomelli 93
Kirsch 93
Luke 93
Pierre 93
Schwarz 93
Sefkow 93
Tenchini 93
Ting 93
Abreu 92
Abreu 92B
Abreu 92C
Abreu 92D
Abreu 92E
Abreu 92F
Abreu 92G
Abreu 92H
Abreu 92I
Abreu 92J
Abreu 92K
Abreu 92L
Bambade 92
Bardadinotwi 92
Bardadinotwi 92B
Benedic 92
Bethke 92
Bryman 92
Campana 92
Chrin 92
Cosmo 92
Dam 92
Dittmar 92
Drell 92B
Eerola 92
Feindt 92B
Felcini 92
Gross 92
Gross 92B
Janssen 92
Lafferty 92

CERN-LEP

Riles 92
Rolandi 92
Seywerd 92
Sopczak 92
Trischuk 92
Abreu 91
Abreu 91B
Abreu 91C
Abreu 91D
Abreu 91F
Abreu 91G
Abreu 91H
Abreu 91I
Abreu 91J
Abreu 91K
Abreu 91L
Abreu 91M
Abreu 91N
Abreu 91O
Abreu 91P
Abreu 91Q
Abreu 91R
Banerjee 91
Bethke 91
Bethke 91B
Bhattacharyy 91
Bortolotto 91
Burkhardt 91
Campion 91
Capon 91
Colas 91
Crosland 91
Deangelis 91
Deangelis 91B
Deangelis 91C
Decamp 91S
Dydak 91
Ellis 91
Fabbri 91
Giacomelli 91
Goobar 91
Hebbeker 91
Hebbeker 91B
Keranen 91
Mattig 91
Pieri 91
Pietrzyk 91
Privitera 91
Trischuk 91
Wachsmuth 91
Yepes 91
Abreu 90O
Abreu 90R
Abreu 90S
Steinberger 90

CERN-LEP-L3
L3

Acciarri 95
Acciarri 95B
Acciarri 95C
Acciarri 95D
Acciarri 95E
Acciarri 95F
Acciarri 95G
Acciarri 95H
Acciarri 95I
Acciarri 95J
Acciarri 95K
Acciarri 95L
Acciarri 95M
Acciarri 95N
Acciarri 95O
Acciarri 95P
Alcaraz 95
Biasini 95
Charlesworth 95
Gentile 95
Acciarri 94
Acciarri 94B
Acciarri 94C
Acciarri 94D
Acciarri 94E
Acciarri 94F
Brient 94
Carr 94
Dremin 94

CERN-LEP

CERN-LEP

CERN-LEP

Golutvin 94
 Gomezycadena 94
 Janot 94
 Kramer 94
 Richard 94
 Shevchenko 94
 Adam 93
 Adriani 93
 Adriani 93B
 Adriani 93C
 Adriani 93D
 Adriani 93E
 Adriani 93F
 Adriani 93G
 Adriani 93H
 Adriani 93I
 Adriani 93J
 Adriani 93K
 Adriani 93L
 Arnaudon 93
 Blondel 93
 Cattaneo 93
 Fernandez 93
 Forty 93
 Gaidot 93
 Giacomelli 93
 Grunewald 93
 Kirsch 93
 Schwarz 93
 Sefkow 93
 Tenchini 93
 Ting 93
 Adeva 92
 Adeva 92B
 Adeva 92D
 Adriani 92
 Adriani 92B
 Adriani 92C
 Adriani 92D
 Adriani 92E
 Adriani 92F
 Adriani 92G
 Adriani 92H
 Adriani 92I
 Adriani 92J
 Adriani 92K
 Adriani 92L
 Adriani 92M
 Adriani 92N
 Bardadinotwi 92
 Bardadinotwi 92B
 Bethke 92
 Borzumati 92
 Bryman 92
 Campana 92
 Chmeissani 92
 Dam 92
 Dittmar 92
 Drell 92B
 Felcini 92
 Gross 92
 Gross 92B
 Janssen 92
 Riles 92
 Rolandi 92
 Seywerd 92
 Shevchenko 92
 Sopczak 92
 Sopczak 92B
 Sopczak 92C
 Trischuk 92
 Wenninger 92
 Adeva 91
 Adeva 91B
 Adeva 91C
 Adeva 91D
 Adeva 91E
 Adeva 91F
 Adeva 91G
 Adeva 91H
 Adeva 91I
 Adeva 91J
 Adeva 91K
 Banerjee 91
 Bethke 91

CERN-LEP

Bethke 91B
 Bhattacharyy 91
 Burkhardt 91
 Capon 91
 Colas 91
 Deangelis 91B
 Decamp 91S
 Dydak 91
 Ellis 91
 Fabbri 91
 Giacomelli 91
 Hebbeker 91
 Hebbeker 91B
 Mattig 91
 Pieri 91
 Pietrzyk 91
 Privitera 91
 Trischuk 91
 Wachsmuth 91
 Yepes 91
 Adeva 90U
 Adeva 90V
 Steinberger 90

CERN-LEP-OPAL
OPAL

Akers 95
 Akers 95B
 Akers 95C
 Akers 95D
 Akers 95E
 Akers 95F
 Akers 95G
 Akers 95H
 Akers 95I
 Akers 95J
 Akers 95K
 Akers 95L
 Akers 95M
 Akers 95N
 Akers 95O
 Akers 95P
 Akers 95Q
 Akers 95R
 Akers 95S
 Akers 95T
 Akers 95U
 Akers 95V
 Akers 95W
 Akers 95X
 Alexander 95B
 Alexander 95C
 Alexander 95D
 Alexander 95E
 Alexander 95F
 Alexander 95G
 Alexander 95H
 Alexander 95I
 Biasini 95
 Charlesworth 95
 Rouge 95
 Schwiening 95
 Tesch 95
 Watkins 95
 Akers 94
 Akers 94B
 Akers 94C
 Akers 94D
 Akers 94E
 Akers 94F
 Akers 94G
 Akers 94H
 Akers 94I
 Akers 94J
 Akers 94K
 Akers 94L
 Akers 94M
 Akers 94N
 Akers 94O
 Akers 94P
 Akers 94Q
 Akers 94R
 Akers 94S
 Alemany 94
 Brient 94
 Carr 94
 Colas 94

CERN-LEP

Danilov 94
 Dejongh 94
 Dremim 94
 Golutvin 94
 Gomezycadena 94
 Hocker 94
 Janot 94
 Jones 94B
 Kramer 94
 Maur 94
 Posthaus 94
 Richard 94
 Strohmmer 94
 Werme 94
 Wormser 94
 Acton 93
 Acton 93B
 Acton 93C
 Acton 93D
 Acton 93E
 Acton 93F
 Acton 93G
 Acton 93H
 Acton 93I
 Acton 93J
 Acton 93K
 Acton 93L
 Akers 93
 Akers 93B
 Akers 93C
 Akers 93D
 Akers 93E
 Akers 93F
 Akers 93G
 Akers 93H
 Akers 93I
 Akers 93J
 Arnaudon 93
 Biebel 93B
 Blondel 93
 Cattaneo 93
 Fernandez 93
 Forty 93
 Gaidot 93
 Giacomelli 93
 Kirsch 93
 Pierre 93
 Pinfold 93
 Schwarz 93
 Sefkow 93
 Tenchini 93
 Ting 93
 Acton 92
 Acton 92B
 Acton 92C
 Acton 92D
 Acton 92E
 Acton 92F
 Acton 92G
 Acton 92H
 Acton 92I
 Acton 92J
 Acton 92K
 Acton 92L
 Acton 92M
 Acton 92N
 Acton 92O
 Acton 92P
 Acton 92Q
 Acton 92R
 Acton 92T
 Bardadinotwi 92
 Bardadinotwi 92B
 Bethke 92
 Borzumati 92
 Bryman 92
 Campana 92
 Dam 92
 Dittmar 92
 Drell 92B
 Felcini 92
 Gross 92
 Gross 92B
 Janssen 92
 Lafferty 92

CERN-LEP

CERN-SPS

CERN-LEP		CERN-PBAR/P		CERN-PS															
	Maringer 92 Riles 92 Rolandi 92 Rollnik 92 Schreiber 92 Seywerd 92 Sopczak 92 Trischuk 92 Acton 91 Acton 91B Acton 91C Acton 91D Acton 91E Acton 91F Acton 91H Acton 91I Acton 91J Akrawy 91 Akrawy 91B Akrawy 91C Akrawy 91D Alexander 91 Alexander 91B Alexander 91C Alexander 91D Alexander 91E Alexander 91F Alexander 91G Alexander 91H Alexander 91I Banerjee 91 Bethke 91 Bethke 91B Bhattacharyy 91 Burkhardt 91 Capon 91 Colas 91 Deangelis 91 Deangelis 91B Decamp 91S Dydak 91 Ellis 91 Fabbri 91 Geerts 91 Giacomelli 91 Hebbeker 91 Hebbeker 91B Hidaka 91 Kreutzmann 91 Mattig 91 Pieri 91 Pietrzyk 91 Privitera 91 Schwiening 91 Simon 91 Tesch 91 Trischuk 91 Turner 91 Wachsmuth 91 Yepes 91- Akrawy 90N Akrawy 90R Akrawy 90U Akrawy 90V Steinberger 90 Pinfold 93		Barbarogalti 92 Bryman 92 Gauthier 92 Lindgren 92 Albajar 91 Albajar 91B Albajar 91C Albajar 91D Felcini 91 Joyce 91 Lipa 91 Neumeister 91 Plohowbesch 91 Albajar 90G Albajar 90H Jakobs 94 Alitti 93 Alitti 92 Alitti 92B Alitti 92C Barbarogalti 92 Bryman 92 Rolandi 92 Alitti 91 Alitti 91B Alitti 91C Alitti 91D Alitti 91E Alitti 91F Alitti 91G Alitti 91H Alitti 91I Alitti 91J Bethke 91 Hidaka 91 Plohowbesch 91 Unal 91 Alitti 90D Alitti 90E Kawasaki 95 Pumplin 92 Kawasaki 95 Augier 94 Haguenaer 94 Augier 93 Dremin 94 Ballocchi 94 Ballocchi 93 Sozzi 93 Brandt 92B Brandt 91	CERN-XXXNT CERN-MUNICH COMB CERN-MUNICH CNTR DBC-81CM EMUL HBC-2M HLBC-GARGA HYBUC OSPK WIRE	Anisovich 95 Achasov 93 Anisovich 95 Svec 93B Landsberg 94C Gaspero 94 Gulamov 91 Karnaukhov 95 Karnaukhov 95B Karnaukhov 95C Landsberg 94C Karnaukhov 93 Karnaukhov 93B Lazanu 93 Danielsen 92 Karnaukhov 92 Radel 93 Lach 93 Lach 93 Lach 92 Landsberg 94C	CERN-SC CERN-IS-320 SPEC CERN-SC-094 OMICRON	Mukha 95 Kernel 91	CERN-SPS CERN-EMU-001 EMUL	Adamovich 95F Adamovich 95G Andreeva 95B Adamovich 93 Adamovich 93E Adamovich 93F Adamovich 92B Adamovich 92C Adamovich 92D Adamovich 92F Gulyamov 92 Adamovich 91 Adamovich 91C Stenlund 91 Wilkes 91 Adamovich 90C	CERN-EMU-003 EMUL	Elnadi 95 Elnadi 95B Elnadi 95C Elnadi 94	CERN-EMU-005 MAGIC	Iyono 92 Takahashi 91	CERN-EMU-007 EMUL	Dabrowska 95B Dabrowska 93 Dabrowska 93C Sengupta 93 Bahk 91	CERN-EMU-008 EMUL	Mukhopadhyya 95 Singh 94B Jain 93B Mukhopadhyya 93 Mukhopadhyya 93B Mukhopadhyya 93C Mukhopadhyya 93D Golde 92 Jain 92C Jain 92E Jain 92F Jain 92G Singh 92B Jain 91 Jain 91B Jain 91C Sengupta 91	CERN-EMU-009 EMUL	Aoki 95 Baroni 92 Baroni 91
PLASTIC MANY	Biebel 93 Lopezfernand 93 Montagna 93 Vilain 93B Wyatt 92																		
CERN-PBAR/P		CERN-PS		CERN-PS															
CERN-UA-001 UA1	Albajar 95 Bocquet 95 Bocquet 95B Bocquet 95C Bocquet 94 Albajar 93B Forty 93 Joyce 93 Neumeister 93 Albajar 92	CERN-UA-002 UA2	CERN-UA-004 IONIZATION	CERN-UA-004-2 UA4-2	CERN-UA-005 STRC CERN-UA-006 DAS	CERN-UA-008 UA2	CERN-PS ? HBC-2M HYBUC CERN-EMU-003 EMUL CERN-NA-035 STRC CERN-PS-136 CERN-MUNICH CERN-PS-137 DAS	CERN-PS-141 CNTR SPEC CERN-PS-180 HLBC-BEBC CERN-PS-197 CRYS-BARREL CERN-T-209 HBC-2M	Andryakov 91 Lach 94 Elnadi 93 Sollfrank 94 Svec 92 Svec 93 Svec 93B Svec 92 Svec 91 Svec 91B Yokosawa 91 Yokosawa 91 Merenyi 92 Hertzog 92 Landsberg 94C Landsberg 90										

Entries in order of accelerator code, then experiment number, then detector code, as given in Accelerator and Detector Vocabularies. See the legend on page 401.

CERN-SPS

CERN-SPS

CERN-SPS

CERN-EMU-012
EMUL Adamovich 95E
CERN-EMU-014
EMUL Ghosh 95
CERN-EMU-018
PLASTIC Cecchini 93
CERN-NA-002
EMC Arneodo 92
Virchaux 92
Ashman 91
Roberts 91
CERN-NA-004
SPEC Benvenuti 93
Arneodo 92
Virchaux 92
Bethke 91
Roberts 91
CERN-NA-005
STRC
CERN-NA-009
EMC Derado 90B
Fialkowski 94
Derado 92
Derado 92B
Derado 91
CERN-NA-012
GAMS-4000 Donskov 95
Achasov 93
Alde 92
Landsberg 92
Landsberg 92B
Palano 92
Alde 91E
Alde 91G
CERN-NA-012-2
GAMS-4000 Alde 95B
Donskov 95
Ishida 95
Prokoshkin 94
Sadovsky 94
Singovsky 94
Landsberg 90
Prokoshkin 90
CERN-NA-014
SPEC
CERN-NA-014-2
SPEC Alvarez 91
Garbincius 95
Kwan 93
Alvarez 92
Alvarez 91B
Spiegel 91
Alvarez 90D
CERN-NA-017
EMUL Ghosh 95B
Ghosh 94
Ghosh 93
Ghosh 93C
Ghosh 93D
Ghosh 92
Ghosh 92C
CERN-NA-022
EHS Agababayan 95
Agababayan 95B
Agababayan 95C
Agababayan 95D
Agababayan 94
Agababayan 94B
Agababayan 94C
Agababayan 94D
Ajinenko 94
Agababayan 93
Agababayan 93C
Ajinenko 93
Charlet 93
Kittel 93
Yandarbiev 93
Agababayan 92
Ajinenko 92
Begalli 92
Botterweck 92
Agababayan 91
Agababayan 91B
Aivazyan 91
Aivazyan 91B
Atayan 91

CERN-SPS

HBC-RCBC Botterweck 91
Agababayan 90B
Agababayan 90C
Ajinenko 90C
Atayan 90
Botterweck 90
Agababayan 95D
Agababayan 94
Agababayan 94B
Agababayan 94C
Agababayan 93
Agababayan 93B
Charlet 93
Kittel 93
Agababayan 91
Atayan 91
Ajinenko 90C
Atayan 90
CERN-NA-023
EHS Singh 91
Singh 91B
Singh 91
Singh 91B
HBC-RCBC
CERN-NA-027
HBC-LEBC-HYB Shaoshun 95
Wang 95B
Wang 95C
Zhang 95
Wang 94C
Wang 94D
Wang 94E
Appel 92
Aguilarbenit 91
Aguilarbenit 91B
CERN-NA-028
EMC Hughes 93C
Arneodo 92
Ashman 92
Ashman 92B
Virchaux 92
Ashman 91B
Bazizi 91
Roberts 91
CERN-NA-031
CALO Barr 95
Barr 95B
Barr 95C
Kreutz 95
Littenberg 93
Ritchie 93
Hsiung 92
Perdereau 92
Barr 91
Iconomidoufa 91
Kleinknecht 91
Serin 91B
Winstein 91
Barr 95
Barr 95B
Barr 95C
Kreutz 95
Littenberg 93
Ritchie 93
Perdereau 92
Barr 91
Serin 91B
Barr 93
Barr 93B
Barr 92
Drell 92B
Serin 91
Barr 93
Barr 93B
Barr 92
Drell 92B
Serin 91
CERN-NA-031-2
CALO Barr 93
Barr 93B
Barr 92
Drell 92B
Serin 91
Barr 93
Barr 93B
Barr 92
Drell 92B
Serin 91
WIRE
CERN-NA-032
ACCMOR Rybicki 95
Barlag 94
Barlag 93
Bozek 93
Kwan 93
Appel 92
Barlag 92

CERN-SPS

Barlag 92B
Barlag 92C
Jezabek 92
Barlag 91
Spiegel 91
Barlag 90E
CERN-NA-034
HELIOS Akesson 96
Akesson 94
Akesson 92B
Odyniec 91
Schukraft 91
Akesson 90G
CERN-NA-034-2
HELIOS Tserruya 95
Akesson 92
Akesson 91
Vanhecke 91
Akesson 90E
Akesson 90F
CERN-NA-034-3
HELIOS Maserà 95
Mazzoni 94
Antos 93
Goerlach 92
Mazzoni 92
CERN-NA-035
CALO Alber 95
Gunther 95
Panagiotou 95
Alber 94
Bachler 94
Bachler 94B
Gazdzcki 94
Mitchell 94
Roland 94
Wosiek 94
Bachler 93
Bachler 92
Bachler 92B
Bachler 92C
Karabarbouni 92C
Teitelbaum 92
Bachler 91
Bachler 91B
Baechler 91
Baechler 91B
Baechler 91C
Karabarbouni 91
Odyniec 91
Odyniec 91B
Schukraft 91
Alber 95
Alber 95C
Gunther 95
Panagiotou 95
Alber 94
Bachler 94
Bachler 94B
Bachler 94C
Fialkowski 94
Gazdzcki 94
Panagiotou 94
Roland 94
Wosiek 94
Bachler 93
Bachler 92
Bachler 92B
Karabarbouni 92
Karabarbouni 92B
Karabarbouni 92C
Teitelbaum 92
Bachler 91
Bachler 91B
Baechler 91
Baechler 91B
Baechler 91C
Karabarbouni 91
Odyniec 91
Odyniec 91B
Schukraft 91
Alber 95
Gunther 95
Panagiotou 95
Gazdzcki 94
Mitchell 94
TPC

CERN-SPS

CERN-SPS

CERN-SPS	Roland 94 Wosiek 94 Karabarbouni 92 Karabarbouni 92B Karabarbouni 92C	CERN-SPS	Schukraft 91	CERN-SPS	Jones 93B Jones 93C Korotkov 93 Asratyan 92 Virchoux 92 Jones 91 Jones 91B Jones 91C
CERN-NA-036 CALO	Alvarezdelar 95 Andersen 95 Andersen 94C Hafidouni 94 Andersen 93 Andersen 92 Andersen 92B Andersen 92C Odyniec 91B Andersen 95 Andersen 94 Andersen 94B	CERN-NA-041 SPEC CERN-NA-044 SPEC	Boisgard 91	CERN-WA-025 DBC-BEBC	Asratyan 95 Zaetz 95 Asratyan 94 Jones 94C Jones 94D Korotkov 93 Arneodo 92 Asratyan 92 Virchoux 92 Roberts 91 Tenner 91 Verluyten 91
TPC	Alvarezdelar 95 Andersen 94B Andersen 94C Hafidouni 94 Andersen 93 Andersen 92 Andersen 92B Andersen 92C Odyniec 91B	CERN-NA-045 CALO	Baur 95 Ceretto 95 Agakichiev 95 Tserruya 95 Baur 94B Irmscher 94 Baur 93 Baur 95 Ceretto 95 Baur 95 Ceretto 95	DBC-BEBC-HYB CERN-WA-056 OMEGAPRIME	Perepelitsa 91 Perepelitsa 90
WIRE	Amadruz 95 Arneodo 95 Arneodo 95C Arneodo 95D Arneodo 94 Arneodo 94B Arneodo 94C Mallot 94 Nassalski 94 Paic 94 Adeva 93B Altarelli 93 Arneodo 93 Arneodo 93B Hughes 93B Hughes 93C Svec 93 Amadruz 92 Amadruz 92B Arneodo 92 Botje 92 Milsztajn 92 Virchoux 92 Amadruz 91 Amadruz 91B Amadruz 91C Amadruz 91D Amadruz 91E Amadruz 91F Roberts 91 Allasia 90C	CERES	Bassompierre 95 Bassompierre 93 Bassompierre 95 Bassompierre 95	CERN-WA-057 OMEGAPRIME CERN-WA-059 HLBC-BEBC	Landsberg 90
CERN-NA-037 EMC	Amadruz 95 Arneodo 95 Arneodo 95C Arneodo 95D Arneodo 94 Arneodo 94B Arneodo 94C Mallot 94 Nassalski 94 Paic 94 Adeva 93B Altarelli 93 Arneodo 93 Arneodo 93B Hughes 93B Hughes 93C Svec 93 Amadruz 92 Amadruz 92B Arneodo 92 Botje 92 Milsztajn 92 Virchoux 92 Amadruz 91 Amadruz 91B Amadruz 91C Amadruz 91D Amadruz 91E Amadruz 91F Roberts 91 Allasia 90C	DRIFT	Adams 95E Adeva 95 Hughes 95 Adams 94G Adams 94I Horikawa 94 Lowe 94 Mallot 94 Niinikoski 94 Witzmann 94 Adeva 93 Adeva 93B Altarelli 93 Hughes 93C	CERN-WA-061 EMUL CERN-WA-066 HLBC-BEBC-HYB	Elnadi 94B
CERN-NA-038 CALO SPEC	Baglin 94 Guillaud 91 Baglin 95 Baglin 95B Lourenco 95 Tserruya 95 Baglin 94 Lourenco 94 Lourenco 93 Ronceux 93 Ronceux 93B Abreu 92M Baglin 92B Ferreira 92 Abreu 91E Baglin 91 Baglin 91B Baglin 91C Baglin 91D Baglin 91E Fredj 91 Guillaud 91 Odyniec 91 Odyniec 91B Peralta 91	SPEC CERN-NA-046 CALO MICROSTRIP WIRE CERN-NA-047 EMC	Alber 95D Margetis 95 Alber 95 Margetis 95	CERN-WA-067 OMEGAPRIME CERN-WA-069 OMEGA	Babu 94 Coopersarkar 91
		CERN-NA-049 CALO	Baldit 94 Nassalski 94	CERN-WA-070 OMEGA	Durieux 91 Bonvin 90B
		TPC	Appelquist 95 Appelquist 94 Borer 94 Appelquist 95	CERN-WA-075 EMUL	Kwan 93 Aoki 92 Appel 92 Aoki 91B Aoki 91C
		CERN-NA-051 SPEC	Hughes 93B Virchoux 92 Choban 91 Roberts 91 Berge 89	CERN-WA-076 OMEGA	Antinori 95 Bertolotto 94 Girone 94 Armstrong 92 Armstrong 92H Palano 92 Armstrong 91 Armstrong 91C Armstrong 91E Prokoshkin 90
		CERN-NA-052 CALO NEWMASS	Berge 92 Rolandi 92	CERN-WA-077 OMEGAPRIME	Belogianni 95 Belogianni 94 Belogianni 93B Belogianni 93C Belogianni 92
		SPEC CERN-WA-001 CDHS	Antoniazzi 92	CERN-WA-078 SPEC	Appel 92
		CERN-WA-001-2 CDHS	Babu 94 Virchoux 92 Dorenbosch 89		
		CERN-WA-011 GOLIATH CERN-WA-018 CHARM	Rolandi 92		
		CERN-WA-018-2 CHARM CERN-WA-021 HBC-BEBC-HYB	Asratyan 95 Zaetz 95 Asratyan 94 Jones 94C Jones 94D		

Entries in order of accelerator code, then experiment number, then detector code, as given in Accelerator and Detector Vocabularies. See the legend on page 401.

CERN-SPS

CESR

CERN-SPS	CERN-SPS	CESR
CERN-WA-079 CHARM-II	Vilain 95 Vilain 95B Vilain 94 Vilain 94B Vilain 94C Vilain 94D Gruwe 93 Vilain 93 Vilain 93B Vilain 93C Rolandi 92 Vilain 92 Geiregat 91	
CERN-WA-080 CALO	Albrecht 96 Albrecht 95I Albrecht 94D Albrecht 94H Kampert 94 Kampert 93 Albrecht 92T Bloomer 92 Albrecht 91Q Kampert 94 Kampert 93 Albrecht 95F Albrecht 95I Awes 95 Stocker 95 Albrecht 94C Albrecht 94E Albrecht 93G Albrecht 93H Albrecht 92L Albrecht 92T Albrecht 92U Eklund 92 Kampert 92 Schmidt 92 Albrecht 91 Albrecht 91H Albrecht 91O Eklund 91 Odyniec 91B Albrecht 95I Albrecht 92T Bloomer 92 Albrecht 94H	
PHOTON		
PLASTIC-BALL		
SPEC		
STRC CERN-WA-082 OMEGA	Adamovich 94D Freyberger 94 Adamovich 93B Adamovich 93D Alves 93B Kwan 93 Adamovich 92 Appel 92 Adamovich 91D Adamovich 91E	
CERN-WA-083 OMEGA	Banerjee 92	
CERN-WA-085 OMEGAPRIME	Abatzis 95B Abatzis 95D Abatzis 95E Abatzis 94 Abatzis 94B Abatzis 93 Abatzis 92 Evans 92 Abatzis 91 Abatzis 91B Abatzis 91C Kinson 91 Odyniec 91 Odyniec 91B Schukraft 91 Abatzis 90B	
CERN-WA-089 OMEGA	Adamovich 95C Beusch 95 Chudakov 94 Buenerd 92	
	CERN-WA-090 DAS CERN-WA-091 OMEGA	Vane 92 Antinori 95 Abatzis 94D Kirk 94 Armstrong 91 Armstrong 91C Armstrong 91E
	CERN-WA-092 OMEGAPRIME	Adamovich 95 Adamovich 95B
	CERN-WA-093 CALO	Aggarwal 95 Slegt 95 Viyogi 94 Aggarwal 95 Viyogi 94 Slegt 95
	PHOTON	
	SPEC CERN-WA-094 OMEGA	Abatzis 95 Abatzis 95C Abatzis 94C Abatzis 95 Abatzis 95C Abatzis 94C
	WIRE	
	CERN-WA-095 CALO SPEC CERN-WA-097 OMEGA	Danilov 94 Danilov 94 Vassiliadis 95
	CHARM CHARM-II EMUL	Radel 93 Radel 93 Nanjo 92 Nasr 92 Tufail 92 Tufail 91 Jacob 91
	MANY	
	CESR	
	CESR-CLEO CLEO	Avery 95 Rouge 95 Athanas 94 Babu 94 Danilov 94 Dejongh 94 Duffot 94 Besson 93 Besson 93B Cinabro 93 Forty 93 Muheim 93B Shelkov 93 Aleem 92 Crawford 92 Drell 92 Drell 92B Rolandi 92 Trischuk 92 Tuan 92 Akerib 91 Ammar 91 Ammar 91B Bortoletto 91 Brock 91 Crawford 91 Crawford 91B Daoudi 91 Gittelman 91 Henderson 91 Henderson 91B Kubota 91 Morrison 91B Potter 91 Procario 91 Avery 90B Fulton 90 Kinoshita 90 Bartelt 96 Coan 96 Freyberger 96 Alam 95 Alexander 95
	CLEO-II	
		Ammar 95 Artuso 95 Artuso 95B Asner 95 Balest 95 Barish 95 Bartelt 95 Bishai 95 Bishai 95B Brandenburg 95 Butler 95 Coan 95 Crawford 95 Duboscq 95 Edwards 95B Fujino 95 Gibaut 95 Gibbons 95 Gibbons 95B Gronberg 95 Kubota 95 Weinstein 95 White 95 Alam 94B Alam 94C Alemany 94 Alexander 94 Alexander 94B Artuso 94 Avery 94 Avery 94B Balest 94 Balest 94B Balest 94C Barish 94 Bartelt 94 Battle 94 Bergfeld 94 Bergfeld 94B Brown 94 Butler 94 Cinabro 94 Dominick 94 Edwards 94 Ehrlich 94 Eigen 94 Ford 94 Freyberger 94 Gibaut 94 Goluvvin 94 Gomezycadena 94 Kubota 94 Payne 94 Smith 94 Acosta 93 Akerib 93 Alam 93 Alexander 93B Ali 93 Ammar 93 Ammar 93B Artuso 93 Avery 93 Avery 93B Balest 93 Bartelt 93 Bartelt 93B Battle 93 Bean 93 Besson 93 Besson 93B Bortoletto 93 Browder 93 Butler 93 Cinabro 93B Crawford 93 Daoudi 93 Fernandez 93 Forty 93 Kroha 93 Kubota 93 Muheim 93 Procario 93 Schwarz 93 Sefkow 93

COSM-HERCULES-X-1

DESY-DORIS-II

COSM-HERCULES-X-1 UNDERGROUND-MACRO MACRO Dicredito 93 CNTR Amenomori 92 FLYSEYE Ciampa 92	COSM-SUN Enqvist 92 Hirata 92 Kajita 92 Kihara 92 Spiro 92 Totsuka 92 Hirata 91B Mori 91 Raychaudhuri 91 Suzuki 91B Suzuki 91C Hirata 90C Sato 90 Suzuki 90B Vignaud 95 Bowles 93 Kajita 92	DESY-DORIS-II Albrecht 94P Albrecht 94Q Albrecht 94R Albrecht 94S Albrecht 94U Alemany 94 Babu 94 Freyberger 94 Golutvin 94 Kriznic 94 Litvintsev 94 Semenov 94 Spengler 94 Albrecht 93 Albrecht 93B Albrecht 93C Albrecht 93D Albrecht 93E Albrecht 93F Besson 93B Busse 93 Degtyarenko 93 Forty 93 Nau 93 Rohde 93 Schwarz 93 Sefkow 93 Stone 93 Albrecht 92 Albrecht 92B Albrecht 92C Albrecht 92D Albrecht 92E Albrecht 92F Albrecht 92G Albrecht 92H Albrecht 92I Albrecht 92J Albrecht 92K Albrecht 92N Albrecht 92O Albrecht 92P Albrecht 92Q Albrecht 92R Albrecht 92S Aleem 92 Bryman 92 Drell 92B Lafferty 92 Albrecht 91B Albrecht 91C Albrecht 91D Albrecht 91E Albrecht 91F Albrecht 91G Albrecht 91I Albrecht 91J Albrecht 91K Albrecht 91L Albrecht 91M Albrecht 91N Albrecht 91P Cronstrom 91 Gittelmann 91 Herrera 91 Mai 91 Schafer 91 Albrecht 90B Albrecht 90M Albrecht 89U
COSM-LMC-X-4 BBR Allen 93B	KAMIOKANDE-III Bowles 93	Albrecht 93B Albrecht 93C Albrecht 93D Albrecht 93E Albrecht 93F Besson 93B Busse 93 Degtyarenko 93 Forty 93 Nau 93 Rohde 93 Schwarz 93 Sefkow 93 Stone 93 Albrecht 92 Albrecht 92B Albrecht 92C Albrecht 92D Albrecht 92E Albrecht 92F Albrecht 92G Albrecht 92H Albrecht 92I Albrecht 92J Albrecht 92K Albrecht 92N Albrecht 92O Albrecht 92P Albrecht 92Q Albrecht 92R Albrecht 92S Aleem 92 Bryman 92 Drell 92B Lafferty 92 Albrecht 91B Albrecht 91C Albrecht 91D Albrecht 91E Albrecht 91F Albrecht 91G Albrecht 91I Albrecht 91J Albrecht 91K Albrecht 91L Albrecht 91M Albrecht 91N Albrecht 91P Cronstrom 91 Gittelmann 91 Herrera 91 Mai 91 Schafer 91 Albrecht 90B Albrecht 90M Albrecht 89U
COSM-PULSAR CHICAGO AIR SHOWER ARRAY CASA-MIA Cronin 92 BBR Allen 93B FLYSEYE Ciampa 92 PHOTON Voronov 93	UNDERGROUND-S-KAMIOKANDE S-KAMIOKANDE Bowles 93 UNDERGROUND-SAGE SAGE Abdurashitov 94 Bowles 93 Morrison 93 Morrison 93B Rich 93 Bethe 92 Spiro 92 Abazov 91	Albrecht 92 Albrecht 92B Albrecht 92C Albrecht 92D Albrecht 92E Albrecht 92F Albrecht 92G Albrecht 92H Albrecht 92I Albrecht 92J Albrecht 92K Albrecht 92N Albrecht 92O Albrecht 92P Albrecht 92Q Albrecht 92R Albrecht 92S Aleem 92 Bryman 92 Drell 92B Lafferty 92 Albrecht 91B Albrecht 91C Albrecht 91D Albrecht 91E Albrecht 91F Albrecht 91G Albrecht 91I Albrecht 91J Albrecht 91K Albrecht 91L Albrecht 91M Albrecht 91N Albrecht 91P Cronstrom 91 Gittelmann 91 Herrera 91 Mai 91 Schafer 91 Albrecht 90B Albrecht 90M Albrecht 89U
COSM-SN1987A UNDERGROUND-IBM IMB Dodelson 92 UNDERGROUND-IMB IMB Konishi 93 Losecco 92 Mayle 92 Mukhopadhyaya 91 UNDERGROUND-KAMIOKANDE-II KAMIOKANDE-II Konishi 93 Dodelson 92 Hirata 92 Losecco 92 Mayle 92 Mukhopadhyaya 91 UNDERGROUND-LSD LSD Losecco 92 BAKSAN Losecco 92 BBR Allen 93B MANY Totsuka 91 SMM-GRS Babu 94	UNDERGROUND-SUBBURY SNO Bowles 93 CNTR Rich 93 Bethe 92 Spiro 92 Suzuki 93 Morrison 92B Gates 91 Totsuka 91 Su 94 OTHER	Albrecht 92 Albrecht 92B Albrecht 92C Albrecht 92D Albrecht 92E Albrecht 92F Albrecht 92G Albrecht 92H Albrecht 92I Albrecht 92J Albrecht 92K Albrecht 92N Albrecht 92O Albrecht 92P Albrecht 92Q Albrecht 92R Albrecht 92S Aleem 92 Bryman 92 Drell 92B Lafferty 92 Albrecht 91B Albrecht 91C Albrecht 91D Albrecht 91E Albrecht 91F Albrecht 91G Albrecht 91I Albrecht 91J Albrecht 91K Albrecht 91L Albrecht 91M Albrecht 91N Albrecht 91P Cronstrom 91 Gittelmann 91 Herrera 91 Mai 91 Schafer 91 Albrecht 90B Albrecht 90M Albrecht 89U
COSM-SUN BNL-840 OTHER Lazarus 92 PHOTON Lazarus 92 UNDERGROUND-BOREXINO BOREXINO Bowles 93 UNDERGROUND-GALLEX GALLEX Anselmann 95B Vignaud 95 Anselmann 94 Anselmann 93 Bowles 93 Morrison 93 Morrison 93B Rich 93 Stolarczyk 93 Anselmann 92 Anselmann 92B Bethe 92 Spiro 92 UNDERGROUND-HOMESTAKE BNL-SND Vignaud 95 Bowles 93 Morrison 93 Morrison 93B Anselmann 92B Suzuki 90B UNDERGROUND-ICARUS ICARUS Bowles 93 UNDERGROUND-IMB-3 IMB-III Losecco 95 UNDERGROUND-KAMIOKANDE KAMIOKANDE-I Sato 90 UNDERGROUND-KAMIOKANDE-II IMB Enqvist 92 KAMIOKANDE-II Vignaud 95 Bowles 93 Morrison 93 Morrison 93B Suzuki 93 Anselmann 92B Bethe 92	DARE-NINA SAS Arneodo 92 DARM-LINAC SPEC Blagus 91 DESY MANY Stuart 93 SAS Arneodo 92 DESY-DORIS DESY-DORIS-ARGUS ARGUS Danilov 94 Degtyarenko 94B Besson 93 Rolandi 92 DESY-DORIS-CRYSTAL-BALL CRYST-BALL Besson 93 DESY-DORIS-II DESY-DORIS-ARGUS ARGUS Albrecht 95 Albrecht 95B Albrecht 95C Albrecht 95D Albrecht 95E Albrecht 95G Albrecht 95H Degtyarenko 95 Korolko 95 Rouge 95 Schmidtler 95 Albrecht 94B Albrecht 94F Albrecht 94G Albrecht 94I Albrecht 94J Albrecht 94K Albrecht 94L Albrecht 94M Albrecht 94N Albrecht 94O	Albrecht 92 Albrecht 92B Albrecht 92C Albrecht 92D Albrecht 92E Albrecht 92F Albrecht 92G Albrecht 92H Albrecht 92I Albrecht 92J Albrecht 92K Albrecht 92N Albrecht 92O Albrecht 92P Albrecht 92Q Albrecht 92R Albrecht 92S Aleem 92 Bryman 92 Drell 92B Lafferty 92 Albrecht 91B Albrecht 91C Albrecht 91D Albrecht 91E Albrecht 91F Albrecht 91G Albrecht 91I Albrecht 91J Albrecht 91K Albrecht 91L Albrecht 91M Albrecht 91N Albrecht 91P Cronstrom 91 Gittelmann 91 Herrera 91 Mai 91 Schafer 91 Albrecht 90B Albrecht 90M Albrecht 89U DESY-DORIS-CRYSTAL-BALL CRYST-BALL Golutvin 94 Kaloshin 94 Bienlein 92 Antreasyan 91 Antreasyan 91B Bienlein 91 Bizzeti 91 Karch 91 Karch 91B Karch 91C Kobel 91 Lesiak 91 Bieler 90

DESY-HERA

FNAL

<p>DESY-HERA DESY-HERA-H1 H1</p> <p>Aid 96 Aid 96B Aid 96C Ahmed 95 Ahmed 95B Ahmed 95C Ahmed 95D Aid 95 Aid 95B Aid 95C Aid 95D Aid 95E Aid 95F Aid 95G Aid 95H Aid 95I Aid 95J Butterworth 95 Garbincius 95 Levy 95 Abt 94 Abt 94B Abt 94C Ahmed 94 Ahmed 94B Ahmed 94C Ahmed 94D Ahmed 94E Ahmed 94F Ahmed 94G Ahmed 94H Barreiro 94 Brisson 94 Brisson 94B Burow 94 Colombo 94 Dainton 94 Deroeck 94 Feltesse 94 Greenshaw 94 Haas 94 Harnew 94 Joensson 94 Kiesling 94 Kniehl 94 Kuhlen 94 Mallot 94 Wolf 94 Abt 93B Abt 93C Abt 93D Berger 93 Besancon 93 Deroeck 93 Erdmann 93 Krasny 93 Krasny 93B Kuster 93 Laporte 93 Levonian 93 Sirois 93 Vallee 93 Ahmed 92B Ahmed 92C Ahmed 92D Ahmed 92E Eisele 92 Wolf 92</p> <p>DESY-HERA-ZEUS ZEUS</p> <p>Derrick 96 Bargende 95 Butterworth 95 Derrick 95 Derrick 95B Derrick 95C Derrick 95D Derrick 95E Derrick 95F Derrick 95G Derrick 95H Derrick 95I Derrick 95J Derrick 95K Derrick 95L</p>	<p>DESY-HERA</p> <p>Derrick 95M Derrick 95N Derrick 95O Derrick 95P Derrick 95Q Doeker 95 Garbincius 95 Levy 95 Lohr 95 Mass 95 Barreiro 94 Brisson 94B Burow 94 Derrick 94 Derrick 94B Derrick 94C Derrick 94D Derrick 94E Derrick 94F Derrick 94G Derrick 94H Derrick 94I Haas 94 Harnew 94 Kuhlen 94 Labarga 94 Mallot 94 Wolf 94 Abramowicz 93 Deroeck 93 Derrick 93 Derrick 93B Derrick 93C Derrick 93D Derrick 93E Derrick 93F Feld 93 Mclean 93 Pavel 93 Schneider 93B Derrick 92 Derrick 92B Derrick 92C Wolf 92</p> <p>DESY-PETRA DESY-PETRA-CELLO CELLO</p> <p>Danilov 94 Kaloshin 94 Aleem 92 Behrend 92 Bryman 92 Kroha 92 Behrend 91 Bethke 91 Harjes 91 Harjes 91B Podobrin 91 Behrend 90 Behrend 90C Behrend 90D Behrend 90E Behrend 90F Behrend 89I</p> <p>DESY-PETRA-JADE JADE</p> <p>Forty 93 Aleem 92 Kroha 92 Bethke 91 Magnussen 91 Pust 91</p> <p>DESY-PETRA-MARK-J MARK-J</p> <p>Bethke 91</p> <p>DESY-PETRA-PLUTO PLUTO</p> <p>Aleem 92 Kroha 92 Bethke 91</p> <p>DESY-PETRA-TASSO TASSO</p> <p>Dremin 94 Forty 93 Aleem 92 Kroha 92 Bethke 91</p>	<p>DGSI</p> <p>ALADIN</p> <p>Rubehn 96 Botvina 95 Kunde 95 Pochodzalla 95 Rubehn 95 Begemannblai 93 Brill 93 Kreutz 93 Tsang 93 Hubele 91 Clerc 95 Petrovici 95 Suzuki 95 Berg 94 Blank 94 Alard 92</p> <p>CNTR</p> <p>FOPI</p> <p>Kotte 95 Poggi 95 Ramillien 95 Ritman 95 Kuhn 94 Schwalb 94 Lambrecht 94 Jung 92 Kugler 94 Schmidt 93 Aumann 95 Muntz 95 Miskowiec 94 Polikanov 94 Schroeter 94 Weber 94 Hanelt 93 Weber 92 Berg 94 Kuhn 94 Schwalb 94 Venema 93 Berg 91 Clerc 95 Muntz 95 Suzuki 95 Blank 94 Kugler 94 Miskowiec 94 Aumann 94 Aumann 93</p> <p>LAND OTHER PLASTIC</p> <p>SPEC</p> <p>TAPS</p> <p>TOF</p> <p>X-RAY</p> <p>DGSI-UNILAC</p> <p>EPOS</p> <p>Pokotilovsky 93 Bokemeyer 91 Dzelalija 95 Kuhn 93 Leifels 93 Schmidt 93B Pokotilovsky 93 Bokemeyer 91 Tsertos 91B Summerer 95 Kuhn 93 Leifels 93 Obserstedt 92 Schmidt 93B Pokotilovsky 93</p> <p>FOPI LAND</p> <p>ORANGE</p> <p>SPEC</p> <p>TOF TORI</p> <p>ELECTROSTATIC</p> <p>SPEC</p> <p>Hagley 94</p> <p>FNAL ?</p> <p>DAS EMUL</p> <p>Fields 92 Belaga 95F Boos 95 Ghosh 95C Belaga 94B Belaga 94C Ghosh 94 Ghosh 94C Adamovich 93C Ghosh 93 Ghosh 93B Ghosh 93C</p>
---	--	---

Entries in order of accelerator code, then experiment number, then detector code, as given in Accelerator and Detector Vocabularies. See the legend on page 401.

FNAL

FNAL-COLLIDER

FNAL		FNAL		FNAL-COLLIDER	
	Ghosh 93D Bunyatov 92 Nasr 92 Abduzhamilov 91 Aggarwal 91 Bobodjanov 91 Gorichev 91 Muminov 93 Edgorov 92 Yuldashev 90B Yuldashev 90C Yuldashev 90D Lach 94 Lach 94		Lach 93 Lach 92		Rubinstein 91 Shukla 91 Shukla 91B Rubinstein 93 Amos 92 Amos 92B Pumplin 92 Amos 91 Amos 91B Rubinstein 91 Shukla 91 Shukla 91B
HLBC-30IN		FNAL-730 EMUL FNAL-733 CALO FNAL-769 TPS	Szarka 93 Strongin 91 Gardner 95 Alves 93 Alves 93B Kwan 93 Alves 92 Alves 92B Appel 92 Thorne 92 Spiegel 91	DRIFT	
SPEC WIRE FNAL-021A CITF FNAL-053B HLBC-15FT FNAL-069A SAS FNAL-110A FMPS FNAL-180 HLBC-15FT	Choban 91	FNAL-772 SPEC FNAL-789 SPEC	Mcgaughey 94	FNAL-735 SPEC	Alexopoulos 95 Alexopoulos 95C Alexopoulos 94 Alexopoulos 94C Decarlo 94 Alexopoulos 93 Alexopoulos 93B Alexopoulos 92 Alexopoulos 92B Decarlo 92 Cole 91 Lindsey 91 Odyniec 91B Alexopoulos 93B
FNAL-203A MMS FNAL-299 HBC-30IN-HYB	Baker 91 Pumplin 92 Achasov 93 Zaetz 95 Korotkov 93 Asratyan 92	SPEC WIRE	Lach 93 Lach 93 Lach 92	TOF FNAL-740 D0	Abachi 96 Abachi 96B Abachi 95B Abachi 95C Abachi 95E Abachi 95F Abachi 95G Abachi 95H Abachi 95I Abachi 95J Abachi 95K Abachi 95L Abachi 95M Abachi 95N Abachi 95O Abachi 95P Abachi 95Q Abachi 95R Abachi 95S Abachi 95T Abachi 95U Abachi 95V Abachi 95W Abachi 95X Abachi 95Y Abachi 95Z Abachi 95ZB Abachi 95ZC Abachi 95ZD Abachi 95ZE Abachi 95ZF Abachi 95ZG Abachi 95ZH Abachi 95ZI Abachi 95ZJ Abachi 95ZK Abachi 95ZL Abachi 95ZM Abachi 95ZN Abachi 95ZO Abachi 95ZP Aihara 95 Bazizi 95 Benjmain 95 Bertram 95 Blazey 95 Debarbaro 95 Derwent 95 Diehl 95 Eno 95 Fuess 95 Geer 95B Greenlee 95 Heuring 95 Hoftun 95 Klima 95 Klima 95B
FNAL-310 HPWF FNAL-398 CCS FNAL-448 CCS FNAL-495 SPEC	Virchaux 92	FNAL-AA FNAL-760 CALO	Armstrong 95 Armstrong 94 Cester 94 Garbincius 94 Gollwitzer 94 Menichetti 94 Armstrong 93 Armstrong 93B Armstrong 93E Geer 93 Pordes 93 Ray 93 Armstrong 92C Armstrong 92D Armstrong 92E Armstrong 92G Lipton 92 Ray 92 Smith 92C Tuan 92 Armstrong 91B Armstrong 91D Spiegel 91 Armstrong 95 Armstrong 94 Cester 94 Garbincius 94 Gollwitzer 94 Menichetti 94 Armstrong 93 Armstrong 93B Armstrong 93E Pordes 93 Ray 93 Armstrong 92C Armstrong 92D Armstrong 92E Armstrong 92G Lipton 92 Ray 92 Smith 92C Tuan 92 Armstrong 91B Armstrong 91D Spiegel 91 Menichetti 94 Ray 93 Armstrong 93D		
FNAL-515 SPEC FNAL-537 SPEC FNAL-555 SPEC	Arena 95 Fuess 94C Arena 92 Boca 92	CNTR			
FNAL-564 EMUL HLBC-15FT-HYB	Choban 91				
FNAL-568 EMUL FNAL-570 HBC-30IN-HYB	Virchaux 92				
FNAL-597 HBC-30IN-HYB	Arneodo 92				
FNAL-605 SPEC	Lach 94 Lach 93 Lach 92				
FNAL-609 CALO	Sarmiento 92				
FNAL-616 LAB-E FNAL-620 SPEC WIRE	Tzamarias 90				
FNAL-623 FMPS FNAL-701 LAB-E FNAL-715 COMB	Lach 94 Lach 93 Lach 92				
	Gorichev 93 Amosov 92 Dayon 92				
	Drndarevic 95				
	Arena 95 Brick 92				
	Whitmore 94 Walker 91				
	Fields 92 Moreno 91				
	Fields 92 Corcoran 91				
	Virchaux 92				
	Lach 94 Lach 94 Lach 93 Lach 92				
	Bertolotto 94				
	Oltman 92 Roberts 91				
	Lach 94				
		FNAL-COLLIDER			
		FNAL-710 CNTR	Rubinstein 93 Amos 92 Amos 92B Pumplin 92 Amos 91 Amos 91B		

FNAL-COLLIDER

FNAL-COLLIDER

FNAL-COLLIDER

Kopp 95
Lamoureux 95
Landsberg 95
Markosky 95
Melese 95
Streets 95
Strovink 95
Thompson 95
Wimpenny 95
Yu 95
Yu 95B
Abachi 94
Abachi 94B
Abachi 94C
Abachi 94D
Barker 94
Bartalini 94
Bazizi 94
Blessing 94
Buckleygeer 94
Chakraborty 94
Claes 94
Ducros 94
Ellison 94
Eppley 94
Errede 94B
Fahley 94
Garbincius 94
Geer 94
Genser 94
Graf 94
Grannis 94
Hagopian 94
Hara 94
Hedin 94
Huehn 94
Jung 94
Lidemartean 94
Nodulman 94
Norman 94
Oshima 94
Plunkett 94
Quintas 94
Raja 94
Spadafora 94
Taketani 94
Tollestrup 94
Weerts 94
White 94
Wolinski 94
Yu 94
Abachi 93
Abachi 93B
Astur 93
Bazizi 93
Bhat 93
Blazey 93
Borcherding 93
Demartean 93
Denisov 93
Diehl 93
Fatyga 93
Glicenstein 93
Graf 93
Greenlee 93
Igarashi 93
Klima 93
Kotcher 93
Lebrun 93
Lidemartean 93
Maciel 93
Merritt 93
Meschi 93
Narain 93
Piekarz 93B
Shaw 93
Snow 93
Streets 93
Trippe 93
Yu 93
Zhu 93
Zylberstein 93
Gobbi 92
Madaras 92
Raja 92

FNAL-COLLIDER

FNAL-741
CDF

Abe 96
Abe 96B
Abe 96C
Abe 96D
Abe 96E
Abe 96F
Abe 95B
Abe 95C
Abe 95D
Abe 95E
Abe 95G
Abe 95H
Abe 95I
Abe 95J
Abe 95K
Abe 95L
Abe 95M
Abe 95N
Abe 95O
Abe 95P
Abe 95Q
Abe 95R
Abe 95T
Abe 95U
Abe 95W
Abe 95X
Abe 95Y
Abe 95ZB
Abe 95ZC
Abe 95ZE
Abe 95ZH
Abe 95ZI
Abe 95ZK
Aihara 95
Anwaywiese 95
Bauer 95
Benjmain 95
Beretvas 95
Beretvas 95B
Beretvas 95C
Bertram 95
Blair 95
Blazey 95
Buckleygeer 95
Debarbaro 95
Derwent 95
Diehl 95
Frisch 95
Fuess 95
Geer 95B
Grassmann 95
Harris 95
Harris 95B
Incandela 95
Incandela 95B
Kim 95
Kim 95B
Kopp 95
Lamoureux 95
Melese 95
Papadimitrio 95
Papadimitrio 95B
Park 95
Ragan 95
Roser 95
Sansoni 95
Skarha 95
Streets 95
Ukegawa 95
Wagner 95
Yu 95
Yu 95B
Abe 94
Abe 94B
Abe 94D
Abe 94E
Abe 94F
Abe 94G
Abe 94H
Abe 94I
Abe 94J
Abe 94K
Abe 94L
Abe 94M

FNAL-COLLIDER

Abe 94N
Abe 94O
Abe 94P
Abe 94Q
Abe 94R
Abe 94S
Abe 94T
Abe 94X
Abe 94Y
Abe 94Z
Abe 94ZD
Abe 94ZE
Abe 94ZF
Abe 94ZG
Antos 94
Anwaywiese 94
Badgett 94
Bailey 94
Bartalini 94
Bazizi 94
Benfloch 94
Bhatti 94
Blair 94
Buckleygeer 94
Budd 94
Byrum 94
Cdfcollabora 94B
Cdfcollabora 94C
Cdfcollabora 94D
Cdfcollabora 94E
Cdfcollabora 94F
Daniels 94
Debarbaro 94
Dejongh 94
Derwent 94
Ducros 94
Errede 94
Errede 94B
Frisch 94
Fuess 94B
Garbincius 94
Geer 94
Gerdes 94
Giannetti 94
Grassmann 94
Hagopian 94
Hamilton 94
Hara 94
Harris 94
Harris 94B
Hauger 94B
Hawk 94
Jensen 94
Jung 94
Kamon 94
Karen 94
Keup 94
Kim 94
Konigsberg 94
Kopp 94
Kovacs 94
Kovacs 94B
Kuhlmann 94
Kuhlmann 94B
Lecompte 94
Leone 94
Lewis 94
Lewis 94B
Maeshima 94
Maghakian 94
Melese 94
Mueller 94
Nodulman 94
Papadimitrio 94
Park 94B
Plunkett 94
Rimondi 94
Sakyumoto 94
Shochet 94
Skarha 94
Sphicas 94
Tollestrup 94
Watts 94
Williams 94
Yu 94

Entries in order of accelerator code, then experiment number, then detector code, as given in Accelerator and Detector Vocabularies. See the legend on page 401.

FNAL-COLLIDER

FNAL-TEV

FNAL-COLLIDER

Yu 94B
 Abe 93C
 Abe 93D
 Abe 93E
 Abe 93F
 Abe 93G
 Abe 93H
 Abe 93I
 Abe 93J
 Abe 93K
 Abe 93L
 Abe 93N
 Abe 93O
 Abe 93P
 Abe 93Q
 Abe 93R
 Abe 93S
 Abe 93T
 Abe 93U
 Abe 93V
 Abe 93W
 Abe 93Y
 Abe 93ZB
 Abe 93ZC
 Abe 93ZD
 Abe 93ZE
 Abe 93ZG
 Abe 93ZH
 Abe 93ZI
 Abe 93ZJ
 Abe 93ZK
 Belforte 93
 Belforte 93B
 Benlloch 93
 Cdfcollabora 93F
 Cdfcollabora 93G
 Chiarelli 93
 Cobal 93
 Crane 93
 Dickson 93
 Diehl 93
 Flaughner 93
 Forty 93
 Hu 93
 Hu 93B
 Huffman 93
 Huston 93
 Kephart 93
 Lebrun 93
 Lidemarteau 93
 Luke 93
 Lukens 93
 Maas 93
 Mangano 93
 Meschi 93
 Papadimitrio 93
 Papadimitrio 93B
 Papadimitrio 93C
 Pierre 93
 Pordes 93
 Rimondi 93
 Saltzberg 93
 Schneider 93
 Shaw 93
 Skarha 93
 Wenzel 93
 Zanetti 93
 Abe 92
 Abe 92B
 Abe 92C
 Abe 92D
 Abe 92E
 Abe 92F
 Abe 92G
 Abe 92H
 Abe 92I
 Abe 92J
 Abe 92K
 Abe 92L
 Abe 92M
 Barbarogalti 92
 Behrends 92
 Borzumati 92
 Boswell 92
 Dellagnello 92

FNAL-COLLIDER

Flaughner 92
 Flaughner 92B
 Fuess 92
 Gauthier 92
 Gold 92
 Grassmann 92
 Harris 92
 Harris 92B
 Huffman 92
 Incagli 92
 Keeble 92
 Keeble 92B
 Leone 92
 Lipton 92
 Maeshima 92
 Markeloff 92
 Meschi 92
 Moulding 92
 Papadimitrio 92
 Rimondi 92
 Rimondi 92B
 Rodrigo 92
 Rolandi 92
 Sinervo 92
 Vejck 92
 Yeh 92
 Abe 91
 Abe 91B
 Abe 91C
 Abe 91D
 Abe 91E
 Abe 91F
 Abe 91G
 Abe 91H
 Abe 91I
 Abe 91J
 Abe 91K
 Abe 91L
 Abe 91M
 Abe 91N
 Abe 91O
 Barbarogalti 91
 Bethke 91
 Buckleygeer 91
 Campagnari 91
 Contreras 91
 Flaughner 91
 Fuess 91
 Giannetti 91
 Giokaris 91
 Gold 91
 Harris 91
 Hidaka 91
 Kuhlmann 91
 Laasanen 91
 Leone 91
 Liss 91
 Plothowbesch 91
 Plunkett 91
 Sansoni 91
 Sliwa 91
 Song 91
 Wainer 91
 Wainer 91B
 Wenzel 91
 White 91
 Winer 91B
 Winer 91C
 Abe 90I
 Abe 90J
 Abe 90L

FNAL-TEV

?
 MANY
 FNAL-508
 EMUL
 FNAL-581-704
 CALO
 Lipton 92
 Sengupta 93
 Akchurin 93
 Yokosawa 92
 Adams 91
 Adams 91B
 Adams 91C
 Adams 91D
 Yokosawa 91

FNAL-TEV

PHOTON
 SPEC
 Yokosawa 91
 Adams 94B
 Akchurin 93
 Yokosawa 92
 Adams 91
 Adams 91B
 Adams 91C
 Adams 91D
 Yokosawa 91
 FNAL-605
 SPEC
 Straub 92
 Straub 92B
 FNAL-621
 WIRE
 Thomson 94
 Zou 94
 FNAL-632
 HLBC-15FT-HYB
 Deprosopo 94
 Aderholz 92
 Willocq 92
 Willocq 92B
 Asratyan 90
 FNAL-653
 EMUL
 Kodama 95
 Freyberger 94
 Garbincius 94
 Gibaut 94B
 Kodama 94
 Kodama 93
 Kodama 93C
 Kodama 93D
 Kodama 93E
 Kwan 93
 Appel 92
 Drell 92B
 Kodama 92
 Kodama 92B
 Kodama 92C
 Kodama 92D
 Kodama 91
 Kodama 91B
 Kodama 91C
 Potter 91
 Spiegel 91
 Kodama 95
 Freyberger 94
 Garbincius 94
 Gibaut 94B
 Kodama 94
 Kodama 93
 Kodama 93B
 Kodama 93C
 Kodama 93D
 Kodama 93E
 Kwan 93
 Appel 92
 Drell 92B
 Kodama 92
 Kodama 92B
 Kodama 92C
 Kodama 92D
 Kodama 91
 Kodama 91B
 Kodama 91C
 Potter 91
 Spiegel 91
 FNAL-665
 CCM
 Adams 96
 Adams 95
 Adams 95C
 Adams 95D
 Adams 95F
 Adams 95G
 Conrad 95
 Kotwal 95
 Adams 94D
 Adams 94E
 Adams 94F
 Adams 94H
 Fang 94
 Kotwal 94
 Kotwal 94B
 Mallot 94
 Schellman 94
 Spentzouris 94

FNAL-TEV

FNAL-TEV

FNAL-TEV	Wolbers 94 Adams 93 Adams 93B Adams 93C Adams 93D Adams 93F Carroll 93 Fang 93 Hughes 93B Melanson 93 Salgado 93 Salgado 93B Salgado 93C Adams 92B Adams 92C Adams 92D Arneodo 92 Morfin 92 Salgado 92 Adams 91E Salgado 91 Schellman 91B	FNAL-690 SPEC FNAL-691 TPS	Spiegel 91 Gutierrez 94 Garbincius 95 Freyberger 94 Kwan 93 Anjos 92 Anjos 92B Anjos 92C Anjos 92D Anjos 91 Anjos 91B Anjos 91C Anjos 91D Potter 91 Spiegel 91 Anjos 90 Adams 95H Bravar 95 Adams 94C Adams 91F Nurushev 91 Yokosawa 91	FNAL-751 EMUL	Shivpuri 95 Shivpuri 95B Parashar 94 Parashar 94B Shivpuri 94B Shivpuri 94C Soni 94 Verma 94 Shivpuri 93 Shivpuri 93B Shivpuri 93C Shivpuri 93D Shivpuri 91 Jain 93B Mukhopadhyaya 93 Mukhopadhyaya 93C Mukhopadhyaya 93D Golde 92 Jain 92F Jain 92G
FNAL-667 EMUL FNAL-672 FMPS	Cherry 94C	FNAL-704 SPEC	Adams 95H Bravar 95 Adams 94C Adams 91F Nurushev 91 Yokosawa 91	FNAL-756 SPEC	Wallace 95 Lach 94 Lach 93 Luk 93 Duryea 92 Lach 92 Diehl 91 Duryea 91 Ho 91
FNAL-683 CALO	Garbincius 94 Fields 92 Spiegel 91	FNAL-705 SPEC	Sansoni 95 Antoniazzi 94 Antoniazzi 94B Garbincius 94 Antoniazzi 92 Antoniazzi 92B	FNAL-761 SPEC	Albuquerque 96 Albuquerque 94 Lach 94 Smith 94B Smith 94C Timm 94 Cooper 93 Dubbs 93 Lach 93 Morelos 93 Morelos 93B Morelos 93C Chen 92B Foucher 92 Lach 92 Foucher 91 Albuquerque 96 Albuquerque 94 Lach 94 Smith 94B Smith 94C Timm 94 Cooper 93 Dubbs 93 Lach 93 Morelos 93 Morelos 93B Morelos 93C Chen 92B Foucher 92 Lach 92 Foucher 91
SPEC	Conrad 95 Adams 94 Naples 94 Conrad 95 Adams 94 Naples 94	FNAL-706 FMPS	Conrad 95 Gribushin 95 Sansoni 95 Jesik 94 Alverson 93 Alverson 93B Abramov 91B Alverson 91 Alverson 91B	TRAD	Foucher 91 Albuquerque 96 Albuquerque 94 Lach 94 Smith 94B Smith 94C Timm 94 Cooper 93 Dubbs 93 Lach 93 Morelos 93 Morelos 93B Morelos 93C Chen 92B Foucher 92 Lach 92 Foucher 91
FNAL-687 CALO	Garbincius 95 Frabetti 94G Johns 94 Frabetti 93G Frabetti 93H Frabetti 95 Frabetti 95B Frabetti 95C Frabetti 95D Frabetti 95E Frabetti 95F Frabetti 95H Frabetti 95I Fujino 95 Garbincius 95 Gardner 95 Frabetti 94 Frabetti 94B Frabetti 94C Frabetti 94D Frabetti 94E Frabetti 94F Frabetti 94G Frabetti 94H Frabetti 94I Frabetti 94J Johns 94 Moroni 94 Cheung 93 Frabetti 93 Frabetti 93B Frabetti 93C Frabetti 93D Frabetti 93E Frabetti 93F Frabetti 93G Frabetti 93H Frabetti 93I Kwan 93 Zallo 93 Drell 92B Frabetti 92 Frabetti 92B Frabetti 92C Frabetti 92D Frabetti 92E Shukla 92 Shukla 92B Frabetti 91	FNAL-711 CALO	White 93 Boca 90 Streets 89 White 93 Boca 90 Streets 89 Gibbons 95C Hsiung 94 Gibbons 93 Gibbons 93B Littenberg 93 Makoff 93 Ritchie 93 Graham 92 Hsiung 92 Ramberg 92 Ramberg 92B Somalwar 92 Barker 91 Kleinknecht 91 Papadimitrio 91 Ramberg 91 Winstein 91	FNAL-769 TPS	Karchin 95 Appel 94 Wallace 94
SPEC	Garbincius 94 Fields 92 Spiegel 91	FNAL-731 SPEC	Gibbons 95C Hsiung 94 Gibbons 93 Gibbons 93B Littenberg 93 Makoff 93 Ritchie 93 Graham 92 Hsiung 92 Ramberg 92 Ramberg 92B Somalwar 92 Barker 91 Kleinknecht 91 Papadimitrio 91 Ramberg 91 Winstein 91	FNAL-770 LAB-E	Yang 96 Arroyo 94 Mallot 94 Hughes 93B King 93 Quintas 93 Rabinowitz 93 Bodek 92 Mishra 92 Sandler 92 Smith 92B Mishra 91
		FNAL-743 FMPS	Dremin 94 Appel 92 Dremin 94 Appel 92	FNAL-771 SPEC	Alexopoulos 95B Alexopoulos 95D Alexopoulos 94B
		HBC-LEBC-HYB	Bazarko 95 Mcfarland 95 Mallot 94 Bazarko 93 Leung 93 Sakumoto 92B		
		FNAL-744 LAB-E	Bazarko 95 Mcfarland 95 Mallot 94 Bazarko 93 Leung 93 Sakumoto 92B		
		FNAL-750 EMUL	Dheer 95 Malik 95 Parashar 95 Parashar 95B Parashar 95C		

Entries in order of accelerator code, then experiment number, then detector code, as given in Accelerator and Detector Vocabularies. See the legend on page 401.

FNAL-TEV

ITEP

FNAL-TEV FNAL-772 SPEC Conrad 95 Garbincius 94 Arneodo 92 Leitch 92 Mcgaughey 92 Alde 91 Alde 91D Leitch 91 Spiegel 91 Alde 90B Kaplan 89	GANIL LISE MUR-TONNEAU PHOTON SPEC Bruno 94 Villari 93 Mayer 92 Julien 91 Anne 94 Shen 93 Badala 96 Badala 95 Moisan 92 Perrin 92 Riisager 92 Stuttgart 92 Morjean 91 Villari 91	ITEP MTS NHS SEMI SPEC Strugalski 91B Strugalski 91C Zielinska 91 Abramov 94 Efremenko 94 Shvedov 93 Shvedov 93 Abramov 92 Abramov 91F Shvedov 93
FNAL-773 SPEC Matthews 95B Schwingenheu 95	GIES-LINAC SEMI Gobel 92	X-RAY ITEP-763 HBC-2M Kiselevich 95 Batusov 93 Kiselevich 93 Kiselevich 93B Kiselevich 93C Aleshin 92B Aleshin 92C Amelin 92 Brovkin 92 Brovkin 91B Brovkin 91C Kiselevich 94 Kiselevich 92 Kiselevich 92B Amelin 91
FNAL-774 SPEC FNAL-789 SPEC Brown 96 Leitch 95 Sansoni 95 Schub 95 Kowitt 94 Leitch 94 Mishra 94 Jansen 93 Kaplan 93 Kowitt 92 Leitch 92 Peng 92	GRON-CYC SPEC Sosin 94	HLBC-2M ITEP-764 MTS ITEP-784 MTS ITEP-801 SPIN ITEP-802 HLBC-DIANA Abramov 91E Abramov 91 Alekseev 91
FNAL-791 TPS Aitala 96 Aitala 95 Gardner 95 Appel 94 Carter 94 Carter 94B Nguyen 94 Purohit 94 Purohit 94B	ILL CNTR WIRE Debevec 92 Debevec 92	ITEP-804 TISS-3 ITEP-812 FOCUS ITEP-813 NHS Bayukov 94 Bayukov 91
FNAL-792 PHOTON FNAL-799 CALO Sihver 92 Conrad 95 Gu 94 Krolak 94 Roberts 94 Littenberg 93 Ritchie 93 Drell 92B Conrad 95 Spencer 95 Gu 94 Krolak 94 Nakaya 94 Ramberg 94 Roberts 94 Weaver 94 Harris 93 Harris 93B Littenberg 93 Mcfarland 93B Ritchie 93 Drell 92B	IMPL-HIREL PHOTON SPEC Li 92 Xi 93	ITEP-814 HLBC-180LIT ITEP-827 HBC-2M ITEP-828 HBC-50CM ITEP-831 SPEC ITEP-842 FHS-2 Barmin 91 Barmin 90 Aleshin 94
FNAL-800 SPEC Yokosawa 91	IND-CYC CNTR Miller 95 Raue 95 Xu 95B Lee 93 Pate 93 Rohdjess 93 Klomp 91 Knutson 91 Vonprzewoski 91 Pickar 93 Clauton 92 Clauton 92B Pairsuwan 95 Vonprzewoski 91 Liu 96 Yu 96 Daehnick 95 Pham 95 Feldman 94 Rapaport 94 Watson 94 Wissink 94 Homolka 92 Meyer 92 Przewoski 92 Zhang 92 Glover 91 Zhu 91 Wang 94B Liu 96 Rohdjess 93 Glover 91	ITEP-862 SPEC ITEP-864 MTS ITEP-865 CNTR Kuzichev 95 Kuzichev 93 Kuzichev 92 Kuzichev 92B Kuzichev 92 Kuzichev 92B
FRAS-ADONE FRAS-ADONE-FENICE FENICE Antonelli 94 Gauzzi 94 Morandin 94 Antonelli 93 Antonelli 93B	ISTU-PELLETRON CNTR Widmann 91	ITEP-875 WIRE ITEP-875 MTS ITEP-892 HBC-2M Abramov 91D
COMB PHOTON SPEC Anghinolfi 95 Anghinolfi 93 Bianchi 93 Bianchi 94 Bianchi 93B Bianchi 93C	ITEP ? CORD EMUL Bayukov 93 Berdnikov 92 Berdnikov 91 Berdnikov 91B Berdnikov 91C Brovkin 94 Bulekov 94 Drutskoi 93 Strugalskago 94 Strugalski 93 Bekmirzaev 91 Strugalski 91	ITEP-893 NHS ITEP-894 NHS Vorobiev 94C
GANIL CNTR Buta 95	HLBC-180LIT	Vlasov 95

LAMPF

MANY

LAMPF		LAMPF		LBL-BEVALAC		
LAS	Flanders 91 Rawoolsulliv 94 Beatty 93C Johnson 93B Smith 93C Wise 93 Zumbro 93 Peterson 92 Gorgen 91 Yen 91B Lyndon 92 Dowell 95B Peterson 95 Burluson 94 Hanna 94 Hoffmann 94 Mercer 94 Deswiniarski 93 Jones 93 Northcliffe 93 Smith 93B Taddeucci 94 Chen 93 Mercer 93 McClelland 92 Northcliffe 93	LAMPF-806 LAS LAMPF-876 JANUS WIRE LAMPF-960 WAS LAMPF-973 LAHRS LAMPF-985 CRYS-BOX	Supek 93 Mcnaughton 93 Mcnaughton 91 Beddo 93 Beddo 91 Nagata 92 Ni 93	MUSIC NEUTRONSPEC PHOTON PLASTIC PLASTIC-BALL SCINT SEMI SPEC STRC TOF TPC WIRE	Gilkes 94 Christie 93B Zhang 95C Hill 91 Olson 91 Zhang 95C Rusch 94 Dacruz 93 Baldwin 92 Dreute 91 Lewenkopf 91 Westphal 91 Elaasar 94 Schmidt 92 Olson 91 Justice 94 Nilsen 95 Dardenne 94 Justice 94 Miller 93 Rousselchoma 93 Bossy 91 Bowman 91 Chacon 91 Deboer 91 Zhang 93 Beavis 92 Jiang 92 Gilkes 94 Justice 95 Lisa 95 Partlan 95 Wang 95D Gilkes 94 Nilsen 95 Dardenne 94	
PLASTIC SPEC		LASER ATOMIC-PNC-OXFORD-2 OPTICAL ROTATION ATOMIC-PNC-SEATTLE OPTICAL ROTATION BNL-840 OPTICAL ROTATION PHOTON COMB OTHER SPEC	Edwards 95 Wolfenden 91 Vetter 95 Meekhof 93 Cameron 93 Cameron 92 Ruoso 92B Cameron 93 Cameron 92 Ruoso 92 Adams 95B Blanpied 92 Caracappa 91 Schmidtkaler 94 Weitz 94 Mcgowan 93 Berkeland 95			
TOF		LBL-BEVALAC CNTR	Sangster 95 Hashimoto 94 Nilsen 94 Miller 93 Hashimoto 94 Huang 94 Wilson 94 Beedoe 93 Wilson 93 Huang 92 Huang 91 Seidl 91 Olson 91 Basova 95 Basova 95B Belaga 95D Belaga 95F Bogdanov 94 Dudkin 94 Ghosh 94D Ghosh 94E Ghosh 94F Jain 94B Bogdanov 93 Ghosh 93C Ghosh 93D Ghosh 93E Jain 93 Jain 93C Jain 93D Ghosh 92B Jain 92 Singh 92 Dudkin 91 Fukshima 91 Ghosh 91 Gill 91 Palsania 91 Brady 94 Chen 94 Hashimoto 94 Ozawa 94 Christie 93 Christie 93B Christie 92 Christie 91 Olson 91		LBL-CYC-88IN OTHER PLASTIC LEBD-650 DAS LEGS CNTR LINAC PHOTON LUND CNTR PHOTON SPEC LVLN-CYC PHOTON PLASTIC SPEC MANI-CYC CNTR MANY BNL-815 EMUL CERN-EMU-001 EMUL MANY MANY MANY	Chen 94B Dacruz 93 Belousov 91 Blanpied 95 Ruth 94 Tedeschi 94 Debraeckeele 95 Annand 93 Fuhrberg 92 Hager 95 Ryckbosch 94 Decrock 93 Slypen 96 Slypen 95 Eliyakutrosh 95 Carlson 94 Otterlund 91 Adamovich 91B Adamovich 90B Goulianos 94 Arndt 95 Bagan 95
WIRE LAMPF-1072 CNTR SCINT WIRE	Gulmez 93 Simon 93 Gulmez 93 Simon 93					
LAMPF-1073 SPEC WIRE LAMPF-1085 CNTR	Matthias 91 Matthias 91 Ritchie 93B Ritchie 91					
LAMPF-1119 LAHRS LAMPF-1135 HRSF PIOSPEC LAMPF-1173 LSND	Gulmez 91 Barlow 92 Dowell 95 Albert 95 Athanasopou 95 Hill 95					
LAMPF-1179 SPEC LAMPF-1188 NEUTRONSPEC	Pocanic 94 Prout 95 Prout 94 Bowman 93 Finlay 93 Vanoers 93 Frankel 92 Zhu 92					
LAMPF-1234 JANUS	Mcnaughton 92 Mcnaughton 92B					
LAMPF-225 CNTR	Allen 93 Radel 93 Allen 91 Burman 91 Krakauer 91 Krakauer 91B Krakauer 91C					
LAMPF-457 DAS LAMPF-546 EPICS LAMPF-563 LAHRS LAMPF-645 COMB LAMPF-764 CNTR LAMPF-770 WAS	Glass 93 Matthews 95 Barlett 91 Freedman 93					
LAMPF-792 CNTR LAMPF-804 COMB	Koetke 92 Ditzler 92 Shima 92 Vanoers 93 Kim 91	HISS				

Entries in order of accelerator code, then experiment number, then detector code, as given in Accelerator and Detector Vocabularies. See the legend on page 401.

MANY

MANY	<p>Ehrnsperger 95 Garcilazo 95 Gazdzicki 95 Arndt 94 Baldoceolin 94B Deswart 94 Hasan 94 Kuno 94 Morgan 94 Novikov 94 Pantaleone 94 Terranova 94 Timmermans 94 Zenoni 94 Arndt 93 Deangelis 93 Deglinnocent 93 Fetscher 93 Henneck 93 Higuchi 93 Lafrance 93 Luke 93 Muheim 93B Pokotilovsky 93 Raffelt 93 Stoks 93 Weinstein 93B Winter 93 Abaev 92 Anton 92 Arndt 92 Battiston 92 Benayoun 92 Bethke 92 Bethke 92B Branchina 92 Buenerd 92 Burchell 92 Chliapnikov 92 Feindt 92C Hsueh 92 Hyslop 92 Kumita 92 Leeb 92 Luk 92 Mamedov 92 Schaile 92 Schmidt 92B Stoks 92 Achasov 91 Amsler 91 Arndt 91 Atwood 91 Barit 91 Batkin 91 Bhattacharje 91 Buschbeck 91 Donnachie 91 Drell 91 Gaponov 91 Gazdzicki 91 Geist 91 Gerbier 91 Heusch 91 Kiesling 91 Landsberg 91 Perl 91 Poblaguev 91 Raha 91 Rossi 91 Schmitz 91 Stoker 91 Strakovskii 91 Timmermans 91 Woolcock 91 Zylberajch 91 Feindt 90 Johnson 93</p>	<p>MANZ-MAMI — CNTR COMB PHOTON SPEC TAPS</p> <p>MINR-MMF — CALO SPEC</p> <p>MIT-BLA — AHEAD CNTR ELSSY MEPS SPEC WIRE</p> <p>MSU-CYC — CNTR EMUL MINIBALL SEMI SPEC</p> <p>MUSL-2 — CNTR</p> <p>NONE UNDERGROUND-FREJUS FREJUS UNDERGROUND-KAMIOKANDE-II KAMIOKANDE-I KAMIOKANDE-II ? CALO CNTR ELEGANTS-V FREJUS HPW</p> <p>Frommhold 92 Eyl 95 Meyerhoff 94 Harty 95 McGeorge 95 Wissmann 94 Blomqvist 96 Braghieri 95 Cross 95 Gothe 95 Harty 95 McGeorge 95 Frommhold 94 Isbert 94 Krause 92 Macgregor 91 Wallace 91 Krusche 95 Krusche 95B Krusche 95C</p> <p>Dementiev 92 Burmistrov 95</p> <p>Garson 94 The 91 Hansen 95 Jones 95 Gao 94 Markowitz 93 Retzlaff 94 The 91 Distelbrink 91 Dolfini 95 Dytman 95 Eden 94 Garson 94 Jones 93D Weinstein 93 Yates 93 Thompson 92 Hansen 95 Jones 95 Gao 94 Garson 94 Markowitz 93</p> <p>Llope 95 Barz 92 Peaslee 94 Phair 92 Gaff 95 Pfaff 96 Sackett 91</p> <p>Federspiel 91</p> <p>Berger 91 Berger 90B Suzuki 93 Suzuki 93 Mori 92</p> <p>Hubler 95 Snowdeniff 95 Akopyan 92 Akopyan 91 Pendlebury 93 Henderson 92 Wu 92 Ejiri 91B Barloutaud 91 Barloutaud 91</p>	<p>NONE IMB KAMIOKANDE KGF MANY NUSEX OTHER SEMI SOUDAN-II SPEC</p> <p>Barloutaud 91 Barloutaud 91 Barloutaud 91 Suzuki 93 Bonvicini 92 Bonvicini 92B Chine 92 Morrison 92 Ejiri 91B Barloutaud 91 Cornaz 94 Vorobiev 94B Astone 93 Chui 93 Godone 93 Goodkind 93 Moody 93 Perera 93 Smith 93 Stubbs 93 Wang 93 Alfimenkov 92 Andreae 92 Carusotto 92 Chernikov 92 Homer 92 Nez 92 Pan 92 Venema 92 Weitz 92 Astone 91 Bobrakov 91 Zumberge 91 Balys 93 Reusser 91 Barloutaud 91 Jeon 95 Romaides 94 Verkerk 91</p> <p>NOVO-VEPP-2M NOVO-CMD-2 CMD-2 NOVO-SND SND</p> <p>Akhmetshin 95 Akhmetshin 95B Aulchenko 95</p> <p>NOVO-VEPP-3 — CNTR SPEC WIRE</p> <p>Mishnev 93 Voitsekhovsk 92 Ivanov 94 Ivanov 92 Voitsekhovsk 92</p> <p>NOVO-VEPP-4 NOVO-MD-1 MD-1</p> <p>Blinov 95 Blinov 94 Besson 93 Blinov 93 Baru 92 Baru 92B Baru 91 Blinov 91 Blinov 91B</p> <p>OHIO-RBF — SEMI</p> <p>Balbes 93</p> <p>ORNL-ORELA — CNTR</p> <p>Kopecky 95 Schmiedmayer 91</p> <p>ORSA-CYC — SPEC</p> <p>Pinston 92</p> <p>ORSA-DCI — DM2</p> <p>Bertolotto 94 Castro 94 Antonelli 92</p>
SPEC			
MANZ-LINAC			
SPEC	Zieger 92 Zieger 92B		

ORSA-DCI

SACL-SATURNE-II

ORSA-DCI		PSI		RHEL-ISIS	
	Bisello 91 Bisello 91B Bisello 91C Augustin 90B Bisello 90B	PSI-Z-89-07 CNTR PSI-Z-91-02 COMB	Kretschmer 94 Tuccillo 94 Hammans 91 Klomp 91 Bannwarth 92 Crawford 91C Gotta 94 Salvisberg 92 Alteholz 94 Deleenerrosi 91 Czapek 93 Rolandi 92 Czapek 91 Czapek 93 Rolandi 92 Czapek 91 Jeckelmann 94 Meijerdrees 92 Meijerdrees 92B Muller 93 Vanoers 93 Wessler 95 Allet 94 Goetz 94 Converse 93 Belovitsky 92 Belovitsky 91 Qin 95 Kistryn 92 Ruhl 91 Balewski 95 Bilger 95 Joram 95 Joram 95B Breuer 94 Meier 94 Hyman 92 Goetz 94	— KARMEN	Armbruster 94 Bodmann 94 Bodmann 94B Kretschmer 94B Bodmann 92 Drexlin 91
OSAK-CYC		SIN-R-72-02 SPEC SIN-R-78-02 CNTR SIN-R-79-05 CNTR		ROCH-TANDEM	
— DRIFT NPOL SEMI SPEC	Sakemi 95 Wakasa 95 Warner 94 Matsuoka 95 Sakemi 95 Fujiwara 94 Harakeh 94 Sakemi 94 Warner 94 Yamagata 94 Sakai 94 Sakemi 95	LADS SIN-R-82-01 SPEC SIN-R-82-04 CALO		— SPEC	Herrick 95
TOF WIRE		CNTR		SAAC-CYC	
PIYF		SIN-R-82-10 CNTR SIN-R-85-14 SINDRUM-I		— CNTR	Allie 93 Cowley 91 Cowley 94
?		SIN-R-86-02 SPEC SIN-Z-75-02 WIRE		SACL	
SPEC LENI-SC-021 SPEC	Aleshin 94B Vorobiev 95 Vorobiev 94 Vorobiev 92	— CNTR		— COMB SPEC	Pienkowski 94 Nagata 92
LENI-SC-052 DAS LENI-SC-066 WAS	Aleshin 91 Baturin 91 Baturin 91B	EMUL		SACL-LINAC	
LENI-SC-087 SPEC LENI-SC-108 DBC-35CM PNPI-SC-124 OSPK PNPI-SC-129 CNTR	Koptev 95 Andreev 94 Lopatin 94 Prokofiev 95 Bazhanov 91	SCINT		— CNTR SAC-600 SAC-900 SPEC	Audit 93 Ducret 94 Choi 93 Amroun 94 Ducret 94 Legoff 94 Zghiche 94 Dhose 93
— CNTR	Gogolev 93 Akimov 92 Akimov 91 Obukhov 93 Zhdanov 91 Zhdanov 91B Zhdanov 91C Zhdanov 91D Andronenko 94 Domkin 92 Gridnev 95 Amelin 93 Gornov 91	SPEC		SACL-SATURNE-II	
EMUL		SUSI		?	
IONIZATION PHOTON SPEC		WIRE		DIOGENE	Montarou 93 Montarou 91 Kwiatkowski 95 Morley 95 Yennello 93 Malek 91 Blank 93 Blank 92 Yennello 93 Peaslee 94 Milkau 91 Morlet 94 Peterson 94 Vandewiele 94 Donzaud 95 Wurzinger 95 Blank 93
PPA		REACTOR		IONIZATION	
— DAS	Ritchie 93 Winstein 91	— CNTR	Baldoceolin 94 Berezin 94 Vidyakin 94 Barabanov 93 Radel 93 Bazhenov 92 Vidyakin 92 Alfimenkov 91 Erozolinskii 91 Mikaelyan 91 Tsertos 91 Vidyakin 91 Achkar 95 Derbin 92B Pendlebury 93 Faissner 92 Derbin 92 Altmann 95 Hagner 95 Ignatovich 95 Kuznetsov 95 Vyrodov 95 Declais 94 Kuznetsov 94 Mampe 93 Altarev 92 Baldoceolin 94 Schreckenbac 95 Ketov 92 Skorokhvatov 92 Kuvshinnikov 91 Mikaelyan 91	PHOTON SCINT	Nagata 92 Brockstedt 91 Frascaria 94 Goldzahl 91 Tatishcheff 92 Aslanides 91
PRIN-CYC		COMB MANY OTHER PLASTIC SEMI SPEC		SEMI SPEC	
— SEMI	Hallin 92	STRC TPC WIND		SPE-IV	
PSI		— CNTR		WIRE SACLAY-017 CNTR SACLAY-085 SPE-IV SACLAY-095 SPE-IV SACLAY-105 SPE-IV SACLAY-113 SPE-III	
PSI-R-82-04 CALO CNTR	Numao 92C Numao 92C	— CNTR		SACLAY-114 COMB SACLAY-121 SPE-IV	
PSI-R-86-05 PHOTON PSI-R-87-01 CNTR SPEC	Sigg 95 Daum 95 Assamagan 96 Assamagan 94 Daum 91	— CNTR		SACLAY-129 SPE-0 SACLAY-132 DIOGENE SACLAY-144 COMB	
PSI-R-87-03 SINDRUM-II	Dohmen 93 Drell 92B	— CNTR		SACLAY-155 CNTR SPEC	
PSI-R-89-07 SPEC PSI-Z-84-02 SPEC	Brogligysin 92 Clajus 95	— CNTR			Ball 94 Siebert 94 Siebert 91 Didenlez 91 Comptour 94 Ball 94C Ball 94D Ball 93 Ball 93B Ball 93C Fontaine 91 Julien 94 Julien 94

Entries in order of accelerator code, then experiment number, then detector code, as given in Accelerator and Detector Vocabularies. See the legend on page 401.

SACL-SATURNE-II	SASK-LINAC	SERP
SACLAY-166 EMRIC	Kox 93 Kox 91	Shaw 95 Kolb 94
SACLAY-173 SPES-III	Beurtey 92	HBC-LUDMILA-TST
SACLAY-174 SPES-III	Bergdolt 93 Combescomets 91	SERP-E-140
SACLAY-177 POMME	Yonnet 93	GAMS-2000
SPES-IV	Yonnet 93	Coc 92 Andreev 92
SACLAY-192 DIOGENE	Hennino 93 Pluta 93 Hennino 92 Poitou 92 Dupieux 91 Lemaire 91 Lemaire 91B Trzaska 91C	Alde 95 Anisovich 95 Donskov 95 Kondashov 95 Alde 94 Alde 94B Alde 94C Donskov 94 Kondashov 94 Kulik 94 Landsberg 94 Sadovsky 94 Achasov 93 Alde 92 Landsberg 92 Landsberg 92B Alde 91B Alde 91C Alde 91E Alde 91F Alde 91G Samoylenko 91 Landsberg 90
SACLAY-197 SPES-IV	Plouin 92	SERP-E-142 LEPTON-F
SACLAY-198 SPES-II	Abegg 94 Kessler 93	Victorov 95 Victorov 95B Bitjukov 91B Landsberg 91 Bitjukov 90 Landsberg 90
SACLAY-202 SPES-IV	Punjabi 95 Cheung 92	SERP-E-146 BIS-2
SACLAY-209 SPES-0	Rappenecker 95	Landsberg 94C Aleev 93D Tatishvili 92 Landsberg 90
SACLAY-220 SPES-IV	Morsch 92	SERP-E-147 MIS
SACLAY-225 COMB	Ball 94B	SERP-E-148 SIGMA
SACLAY-233 SPES-IV	Punjabi 92	Antipov 93 Antipov 92 Antipov 90 Antipov 90C Antipov 90E Antipov 95 Antipov 93B
SACLAY-237 PINOT	Chiavassa 94 Chiavassa 94B Chiavassa 94C Chiavassa 92 Chiavassa 92B	SERP-E-149 PROZA-M
SACLAY-251 SPES-IV	Sams 95 Morsch 94	SERP-E-150 HBC-MIRA
SACLEY-140 COMB	Terrien 92	Bogolyubsky 95 Zabrodin 95 Bogolyubsky 94 Minaenko 94 Bogolyubsky 93 Bravina 92
SACLEY-145 SPES-IV	Ero 94	SERP-E-153 SPEC
SERP-E-105 RISK		Belyaev 93 Gavrishchuk 92 Gavrishchuk 91 Gavrishchuk 91B Gavrishchuk 91C Nurushev 91
SERP-E-106 OSPK		SERP-E-155 FODS
SERP-E-107 HLBC-SKAT		Turchanovich 93 Volkov 93 Volkov 92
SERP-E-112 PROZA		SERP-E-159 BIS-2
SERP-E-115 ISTRA-M		Aleev 93 Aleev 93B Aleev 93C Aleev 93E
SERP-E-119 SPEC		SERP-E-163 GAMS-2000
SERP-E-122 HBC-MIRA		SERP-E-164 VES
SERP-E-128 COMB		Amelin 95 Amelin 95B Amelin 95C Achasov 94 Amelin 94 Berdnikov 94 Berdnikov 94B Zaitsev 94
SERP-E-135 SIGMA		
SERP-E-136 CALO		
SERP-E-138 HBC-MIRA		
SERP-E-139 DBC-LUDMILA		
HBC-LUDMILA		
SERP		
SERP-E-003 EMUL	Maity 95 Maity 93 Bunyatov 92 Bobodjanov 91	
SERP-E-017 HLBC-2M	Boos 95 Angelov 94 Zhumanov 94 Angelov 92 Angelov 92B Strugalski 92 Strugalski 92C Angelov 91 Armutlijsky 91 Baatar 89B	
SERP-E-040 SPEC-6M	Bolonkin 95	
SERP-E-044 HBC-MIRA	Boos 95	
SERP-E-077 HBC-MIRA	Boos 95	
SERP-E-080 MIS	Ivanshin 94 Ananieva 92 Tyapkin 91	
SERP-E-083 HBC-LUDMILA	Boos 95 Boos 94 Dementiev 94	
SERP-E-100 FODS	Nurushev 91	
SERP-E-102 HYPERON	Blick 94 Akimenko 92 Akimenko 92B Akimenko 91 Akimenko 90B	
SERP-E-105 RISK	Chklovskaja 95 Bannikov 88	
SERP-E-106 OSPK	Achasov 93	
SERP-E-107 HLBC-SKAT	Ammosov 93 Ammosov 92B Ammosov 90	
SERP-E-112 PROZA	Achasov 93 Nurushev 91	
SERP-E-115 ISTRA-M	Artemov 95	
SERP-E-119 SPEC	Afanasyev 90C	
SERP-E-122 HBC-MIRA	Boos 95	
SERP-E-128 COMB	Aleshin 95B Baranov 92	
SERP-E-135 SIGMA	Landsberg 90	
SERP-E-136 CALO	Anikeev 95 Belikov 95 Bunyatov 95 Barabash 92 Blumlein 92 Blumlein 92B Bozhko 92 Anikeyev 91 Blumlein 91 Blumlein 90 Barabash 93	
COMB		
SERP-E-138 HBC-MIRA	Boos 94 Boos 90B	
SERP-E-139 DBC-LUDMILA	Batyunya 93B Batyunya 93	
HBC-LUDMILA		

SERP

SLAC-SPEAR

SERP		SLAC		SLAC-PEP	
	Berdnikov 93 Beladidze 92 Berdnikov 92B Bitjukov 91 Bitjukov 91C Bitjukov 91D	SLAC-E-142 DAS	Mallot 94 Adeva 93B Altarelli 93 Anthony 93C Hughes 93 Hughes 93B Hughes 93C Petratos 93 Petratos 93B		Barklow 92 Bethke 91 Gomezycadena 90 Vonzanthier 90
SERP-E-167 HYPERON	Velev 93 Budagov 91			SLAC-PEP-06 MAC SLAC-PEP-12 HRS	Kroha 92
SERP-E-168 QUARTZ	Guriyev 93 Denisov 91	SLAC-E-143 DAS	Abe 95F Abe 95S Abe 95ZL Abe 95ZO	SLAC-PEP-14 MAC SLAC-PEP-20 DELCO	Dremin 94 Aleem 92 Geld 92 Kroha 92
SERP-E-169 SPHINX	Golovkin 95 Vavilov 95 Vavilov 95B Vavilov 95C Balatz 94B Balatz 94C Golovkin 94 Kurshetsov 94 Landsberg 94B Landsberg 94C Vavilov 94 Vavilov 94B Vavilov 94C Balatz 93 Landsberg 93 Balatz 92	SLAC-E-146 SPEC SLAC-NE-03 SPEC SLAC-NE-04 DAS SLAC-NE-08 SPEC WIRE SLAC-NE-18 SPEC SSF	Anthony 95 Day 93 Frodyma 93 Freedman 93B Freedman 93B Arrington 96 Belz 95 Bulten 95 Vandenbrandt 95 Makins 94	TPC	Forty 93 Forty 93 Degtyarenko 94 Elouadrhiri 94
SERP-E-174 COMB	Afanasyev 94 Afanasyev 93	—	Jaros 95 Arneodo 92	SLAC-SLC SLAC-SLC-6 MARK-II	Fujino 92 Schumm 92 Bethke 91 Deangelis 91B Dydak 91 Hebbeker 91 Hebbeker 91B Jacobsen 91 Jacobsen 91B Koetke 91 Yepes 91
SERP-P-156 HLBC-SKAT	Ammosov 90B	CNTR SPEC		SLAC-SLC-SLD SLD	Abe 95V Abe 95Z Abe 95ZD Abe 95ZF Abe 95ZG Abe 95ZM Abe 95ZN Abe 95ZP Abe 95ZQ Baird 95 Charlesworth 95 Abe 94C Abe 94U Abe 94V Abe 94W Abe 94ZB Abe 94ZC Baird 94 Baranko 94 Fero 94 King 94 Manly 94 Martirena 94 Park 94 Yamartino 94 Abe 93M Abe 93X Abe 93Z Biebel 93 Burrows 93 Elia 93 Hiroaki 93 Lauber 93 Prescott 93 Swartz 93 Burrows 92 Burrows 92C Fan 92 Lauber 92 Rowson 92 Su 92
SLAC		SLAC-NPI			
SLAC-BC-072 HBC-40IN-HYB	Condo 94 Condo 93 Condo 91	SLAC-NE-09 8-GEV	Mezani 92 Chen 91B		
SLAC-E-061 20-GEV	Arneodo 92	SLAC-NE-11 8-GEV	Andivahis 94 Andivahis 93 Lung 93 Stuart 93 Stuart 93B Bosted 92 Bosted 92B Andivahis 93		
SLAC-E-080 SSF	Adeva 93B Altarelli 93 Hughes 93C	SSF			
SLAC-E-087 SSF	Arneodo 92 Virchaux 92	SLAC-PEP			
SLAC-E-130 COMB	Adeva 93B Altarelli 93 Hughes 93C	SLAC-PEP-04-09 2-GAMMA	Alemanly 94 Buer 94 Bauer 93 Bauer 93B Bauer 93C Nicol 93 Schwarz 93 Aleem 92 Drell 92B Aihara 91 Bethke 91 Nurushev 91 Oyang 91 Ronan 91 Alemanly 94 Buer 94 Bauer 93 Bauer 93B Bauer 93C Nicol 93 Schwarz 93 Aleem 92 Drell 92B Aihara 91 Bethke 91 Nurushev 91 Oyang 91 Ronan 91		
SLAC-E-132 LASS	Aston 91 Dunwoodie 91	TPC			
SLAC-E-133 SSF	Stuart 93	SLAC-PEP-05 MARK-II	Danilov 94 Kaloshin 94 Cords 93 Forts 93 Aleem 92	SLAC-SPEAR	
SLAC-E-135 LASS	Aston 94 Landsberg 94C Aston 93 Kwon 93 Rensing 93 Aston 92 Aston 92B Aston 91B Aston 91C			SLAC-SP-017 SMAG	Bethke 91
SLAC-E-136 8-GEV	Bosted 93 Sill 92			SLAC-SP-029 MARK-II	Tuan 92
SLAC-E-139 8-GEV	Gomez 93 Arneodo 92			SLAC-SP-030 CRYS-BALL	Danilov 94 Tuan 92
SLAC-E-140 8-GEV	Tao 95 Dasu 94 Walker 94 Arneodo 92 Roberts 91 Rock 91 Roberts 91 Whitlow 91			SLAC-SP-032 MARK-III	Bertolotto 94
SSF					

Entries in order of accelerator code, then experiment number, then detector code, as given in Accelerator and Detector Vocabularies. See the legend on page 401.

TRIUMF

YERE-ARUS

TRIUMF		VAN-DE-GRAAFF	
TRIUMF-394			Shigin 91
CNTR	Brack 95	SPEC	Yamagata 93
SCINT	Brack 95	WISC	
TRIUMF-399		—	
CNTR	Saunders 96	SEMI	Mcaninch 94
	Kohler 93		Knutson 93
	Kohler 91		Goeckner 91
TRIUMF-443		YERE-ARUS	
CNTR	Sossi 92	—	
	Sossi 91	CNTR	Astabatyan 91
SPEC	Sossi 92		Avakyan 91F
	Sossi 91	COMB	Arakelyan 95
TRIUMF-445			Amroyan 93C
SPEC	Aclander 93		Egiyan 93
	Maytalbeck 92		Avakyan 91
TRIUMF-452			Avakyan 91E
DRIFT	Depommier 94	DAS	Adamyan 91
	Hasinoff 94	DEUTRON-2	Alanakyan 91
	Jonkmans 94	OSPK	Markaryan 95
	Hasinoff 93	PHOTON	Alexandryan 94
	Armstrong 92F		Aleksandryan 93
	Hasinoff 92		Amroyan 93
	Hasinoff 92B		Amroyan 93B
	Wright 91	SEMI	Arakelyan 91
	Armstrong 90C	SPEC	Vartapetyan 95
TRIUMF-460			Bagdasaryan 91
MRS	Furutani 91		
TRIUMF-466			
MRS	Edwards 92		
	Hutcheon 91		
TRIUMF-502			
SPEC	Kohler 94		
	Brack 91		
TRIUMF-506			
TOF	Yeomans 94		
TRIUMF-508			
TOF	Yeomans 95		
TRIUMF-530			
CNTR	Friedman 91B		
TRIUMF-537			
PHOTON	Stasko 94		
TRIUMF-541			
CNTR	Rahav 92B		
	Rahav 92C		
	Hausser 91		
	Rahav 92B		
	Rahav 92C		
SPEC	Hausser 91		
TRIUMF-544			
MRS	Ram 93		
TRIUMF-552			
MRS	Korkmaz 91		
TRIUMF-556			
SPEC	Vetterli 92		
	Weber 90		
TRIUMF-557			
MRS	Brash 95		
	Hausser 95		
SPEC	Hausser 91		
WIRE	Hausser 91		
TRIUMF-561			
CNTR	Sevior 93		
	Sevior 91		
	Feltman 91		
WIRE			
TRIUMF-598			
CNTR	Friedman 93		
	Friedman 91		
TRIUMF-653			
CHAOS	Camerini 93		
TRIUMF-683			
SPEC	Cummings 95		
TRIUMF-703			
SPEC	Numao 95		
UUPP-CYC			
—			
CNTR	Ericson 95		
	Auce 94		
VAN-DE-GRAAFF			
—			
CNTR	Wilburn 95		
	Wilburn 93		
PLASTIC	Gokhberg 91		

Entries in order of accelerator code, then experiment number, then detector code, as given in Accelerator and Detector Vocabularies. See the legend on page 401.

We list here all particle names used to describe decays and reactions. Most of the names are obvious. The first column gives the usual particle symbol, the second gives the English spelling, and the third gives a brief definition. The English spelling is the "computer name," the version to be typed in searching our computer databases.

Particle names follow the ordering in the Particle Vocabulary of this compilation. The particle ordering is: gauge bosons, leptons, mesons, baryons, atoms, and nuclei, and within each group the ordering is mainly by increasing mass. However, within mesons and baryons, ordering is nonstrange, strange, charmed, bottom

In the indices, the order of the charge states is $^{++}, ^{+}, ^{0}, ^{-}, ^{--}$. For antiparticles, we use the actual charge of the antiparticle, as in $\bar{\Delta}^{--}$. Unless an antiparticle has a common name of its own, as in K^+ , all antiparticles are spelled with the suffix "BAR" appended to the English portion of the names, as PBAR for \bar{p} , DELTABAR(1900S31)0 for $\bar{\Delta}(1900S_{31})^0$, and CHARMBAR for charm.

We use the chemical symbols for nuclei except in a few cases where an ambiguity with a particle name exists. For example, we use KK for potassium to avoid confusion with the K meson, and Nit for nitrogen to avoid confusion with the neutron, nucleon or nickel.

The names we use in writing any reaction are based on those used by the authors of the paper. For example, one paper might refer to π^+ , π^- , and π^0 , while another just uses π to mean all three.

Some of the "particle names" represent a group of particles whose exact number is unknown or is varied in some limited range; for example MULT[PI+] means a limited number of π^+ particles or a multiplicity distribution on the number of π^+ particles. Names like these are treated as a single particle in the Reaction/Momentum Index, where the reaction final states are ordered by increasing multiplicity. We do give the exact number of particles when known, *e.g.*, "3 π^+ " or "2charm," and these forms are treated as the stated number of particles.

PARTICLE NAME	COMPUTER NAME	EXPLANATION
GAUGE AND HIGGS BOSONS		
γ	GAMMA	Photon
γ^*	GAMMA*	Virtual γ , predominantly used for static fields
W^\pm	W+-	Positive or negative weak gauge boson
W^+	W+	Positive weak gauge boson
W^-	W-	Negative weak gauge boson
Z^0	Z	Neutral weak gauge boson
gluon.	GLUON	Massless color-octet gauge vector bosons carrying strong forces
H^0	H0	Minimal standard model Higgs boson
axion	AXION	Hypothetic neutral pseudoscalar particle invented in the standard model for conservation of the CP-symmetry in quantum chromodynamics
graviton	GRAVITON	Particle carrying gravitational force

HYPOTHETICAL GAUGE AND SCALAR NON-SUSY BOSONS

W_R	WR	Right-handed intermediate vector boson
W_R^+	WR+	Positive right intermediate vector boson
W_R^-	WR-	Negative right intermediate vector boson
W'^\pm	WPRIME+-	Additional charged W -boson
W'^+	WPRIME+	Additional positive W -boson
W'^-	WPRIME-	Additional negative W -boson
Z'	ZPRIME	Additional Z -boson
lepto-gluon	LEPTO-GLUON	Hypothetic particle
lepto-quark	LEPTO-QUARK	Hypothetic particle of the Grand Unified Theories carrying interactions changing leptons to quarks and quarks to leptons
lepto-quark	LEPTO-QUARKBAR	Hypothetic antiparticle of the Grand Unified Theories carrying interactions changing leptons to quarks and quarks to leptons
goldstone	GOLDSTONE	Goldstone boson
majoron	MAJORON	Hypothetical neutral, spinless, light or massless, penetrating particle. Predicted in some models in which lepton charge conservation is spontaneously broken
familon	FAMILON	Massless axion-like Nambu-Goldstone boson
arion	ARION	Massless pseudo-goldstone boson
axigluon	AXIGLUON	Massive color-octet gauge bosons in chiral color models, have axial-vector coupling to quarks with the same coupling strength as gluons
baryoboson	BARYOBOSON	Hypothetical very light or massless particle coupled with baryon charge and responsible for intermediate range interactions
fifth-force	FIFTH-FORCE	General particle responsible for additional scalar long-range interaction
higgs ⁺⁺	HIGGS++	Doubly-positive-charge Higgs boson
higgs ⁻⁻⁻	HIGGS--	Doubly-negative-charge Higgs boson
S^+	S+	Positive intermediate scalar boson
S^0	S0	Intermediate scalar boson
S^-	S-	Negative intermediate scalar boson

LEPTONS

l	LEPTON	Unspecified lepton
ν	NU	Unspecified neutrino or antineutrino
$\bar{\nu}$	NUBAR	Unspecified antineutrino
ν_e	NUE	Electron neutrino
$\bar{\nu}_e$	NUEBAR	Electron antineutrino
ν_μ	NUMU	Muon neutrino
$\bar{\nu}_\mu$	NUMUBAR	Muon antineutrino
ν_τ	NUTAU	τ neutrino
$\bar{\nu}_\tau$	NUTAUBAR	τ antineutrino
l^\pm	LEPTON+-	Unspecified charged lepton
l^-	LEPTON-	Unspecified negative lepton
l^+	LEPTON+	Unspecified positive lepton
e^\pm	E+-	Positron or electron
e^-	E-	Electron
e^+	E+	Positron
μ^\pm	MU+-	μ^+ or μ^- lepton
μ^-	MU-	Ordinary μ^- lepton
μ^+	MU+	Ordinary μ^+ lepton
τ^\pm	TAU+-	τ^+ or τ^- lepton
τ^-	TAU-	Ordinary τ^- lepton
τ^+	TAU+	Ordinary τ^+ lepton

HYPOTHETICAL HEAVY LEPTONS

heavy-lepton	HEAVY-LEPTON	Unspecified heavy lepton
heavy- ν	HEAVY-NU	Unspecified heavy neutrino
heavy- $\bar{\nu}$	HEAVY-NUBAR	Unspecified heavy antineutrino
heavy- ν_e	HEAVY-NUE	Heavy electron neutrino
heavy- $\bar{\nu}_e$	HEAVY-NUEBAR	Heavy electron antineutrino
heavy- ν_μ	HEAVY-NUMU	Heavy muon neutrino
heavy- $\bar{\nu}_\mu$	HEAVY-NUMUBAR	Heavy muon antineutrino
heavy- ν_τ	HEAVY-NUTAU	Heavy τ neutrino

heavy- $\bar{\nu}_\tau$

$\bar{\nu}_e$

PARTICLE NAME	COMPUTER NAME	EXPLANATION
heavy- $\bar{\nu}_\tau$	HEAVY-NUTAUBAR	Heavy τ antineutrino
heavy-lepton ⁰	HEAVY-LEPTON0	Unspecified neutral heavy lepton
heavy-lepton ⁰	HEAVY-LEPTONBAR0	Unspecified neutral heavy antilepton
heavy-lepton [±]	HEAVY-LEPTON+-	Unspecified charged heavy lepton
heavy-lepton ⁻	HEAVY-LEPTON-	Unspecified negative heavy lepton
heavy-lepton ⁺	HEAVY-LEPTON+	Unspecified positive heavy lepton
heavy-e	HEAVY-E	Unspecified heavy electron
heavy-e ⁰	HEAVY-E0	Neutral heavy electron
heavy- μ	HEAVY-MU	Unspecified heavy muon
heavy- μ ⁰	HEAVY-MU0	Neutral heavy muon
heavy- τ	HEAVY-TAU	Unspecified heavy τ lepton

QUARKS AND DIQUARKS

q	QUARK	Quark of unspecified charge
\bar{q}	QUARKBAR	Antiquark of unspecified charge
u	UQ	Up quark
\bar{u}	UQBAR	Up antiquark
d	DQ	Down quark
\bar{d}	DQBAR	Down antiquark
s	SQ	Strange quark
\bar{s}	SQBAR	Strange antiquark
c	CQ	Charmed quark
\bar{c}	CQBAR	Charmed antiquark
b	BQ	Bottom quark
\bar{b}	BQBAR	Bottom antiquark
t	TQ	Top quark
\bar{t}	TQBAR	Top antiquark
diquark	DIQUARK	Diquark of unspecified charge and flavor

HYPOTHETICAL QUARKS

b'	BQPRIME	Bottom quark of fourth generation
\bar{b}'	BQPRIMEBAR	Bottom antiquark of fourth generation

SUSY PARTICLES: FERMIONS

s-particle	SPARTICLE	Supersymmetric partner of any ordinary particle
gaugino	GAUGINO	Spin-1/2 supersymmetric partner of any gauge boson
neutralino	NEUTRALINO	Any supersymmetric partner of an ordinary neutral particle
chargino	CHARGINO	Mixture of wino and charged higgsino
chargino ⁺	CHARGINO+	Mixture of wino and charged higgsino
chargino ⁻	CHARGINO-	Mixture of wino and charged higgsino
photino	PHOTINO	Spin-1/2 supersymmetric partner of the photon
photino	PHOTINOBAR	Spin-0 supersymmetric partner of the antiphoton
wino	WINO	Spin-1/2 supersymmetric partner of the W^\pm
wino ⁺	WINO+	Spin-1/2 supersymmetric partner of the W^+
wino ⁻	WINO-	Spin-1/2 supersymmetric partner of the W^-
zino	ZINO	Spin-1/2 supersymmetric partner of the Z^0
gluino	GLUINO	Spin-1/2 supersymmetric partner of the gluon
axino	AXINO	Spin-1/2 supersymmetric partner of the axion
gravitino	GRAVITINO	Spin-3/2 supersymmetric partner of the graviton
gravitino	GRAVITINOBAR	Antigravitino
higgsino	HIGGSINO	Spin-1/2 supersymmetric partner of any Higgs boson
higgsino(CP = -1) ⁰	HIGGSINO(CP=-1)0	Spin-1/2 supersymmetric partner of neutral CP-odd Higgs boson
higgsino ⁺	HIGGSINO+	Spin-1/2 supersymmetric partner of the positive Higgs boson
higgsino ⁰	HIGGSINO0	Spin-1/2 supersymmetric partner of any neutral CP-even Higgs boson
higgsino ⁻	HIGGSINO-	Spin-1/2 supersymmetric partner of the negative Higgs boson
goldstino	GOLDSTINO	Supersymmetric partner of the Goldstone boson
goldstino	GOLDSTINOBAR	Spin-0 supersymmetric partner of the antigoldstino

SUSY PARTICLES: BOSONS

H_1^0	H(1)0	Minimal supersymmetric model CP-even Higgs boson (lightest)
A^0	A0	Minimal supersymmetric model CP-odd Higgs boson
H_2^0	H(2)0	Minimal supersymmetric model CP-even Higgs boson (heaviest)
H^\pm	H+-	Minimal supersymmetric charged Higgs boson
H^+	H+	Minimal supersymmetric positive Higgs boson
H^-	H-	Minimal supersymmetric model negative Higgs boson
$\tilde{\ell}$	SLEPTON	Spin-0 supersymmetric lepton partner
$\tilde{\ell}^-$	SLEPTON-	Negative spin-0 supersymmetric lepton partner
$\tilde{\ell}^+$	SLEPTON+	Positive spin-0 supersymmetric lepton partner
$\tilde{\ell}^0$	SLEPTON0	Neutral spin-0 supersymmetric lepton partner
$\tilde{\nu}$	SNU	Spin-0 supersymmetric partner of the neutrino
$\tilde{\nu}$	SNUBAR	Spin-0 supersymmetric partner of the antineutrino
$\tilde{\nu}_e$	SNUVE	Spin-0 supersymmetric partner of the ν_e

PARTICLE NAME	COMPUTER NAME	EXPLANATION
$\bar{\nu}_e$	SNUEBAR	Spin-0 supersymmetric partner of the $\bar{\nu}_e$
$\bar{\nu}_\mu$	SNUMU	Spin-0 supersymmetric partner of the ν_μ
$\bar{\nu}_\mu$	SNUMUBAR	Spin-0 supersymmetric partner of the $\bar{\nu}_\mu$
$\bar{\nu}_\tau$	SNUTAU	Spin-0 supersymmetric partner of the ν_τ
$\bar{\nu}_\tau$	SNUTAUBAR	Spin-0 supersymmetric partner of the $\bar{\nu}_\tau$
\bar{e}^-	SELECTRON	Spin-0 supersymmetric partner of the positron or electron
\bar{e}^+	SELECTRON-	Spin-0 supersymmetric partner of the electron
$\bar{\mu}^-$	SELECTRON+	Spin-0 supersymmetric partner of the positron
$\bar{\mu}^-$	SMUON	Spin-0 supersymmetric partner of muon
$\bar{\mu}^+$	SMUON-	Spin-0 supersymmetric partner of μ^-
$\bar{\tau}^-$	SMUON+	Spin-0 supersymmetric partner of μ^+
$\bar{\tau}^-$	STAU	Spin-0 supersymmetric partner of τ lepton
$\bar{\tau}^+$	STAU-	Spin-0 supersymmetric partner of τ^- lepton
\bar{u}	STAU+	Spin-0 supersymmetric partner of τ^+ lepton
\bar{q}	SQUARK	Spin-0 supersymmetric quark partner
\bar{q}	SQUARKBAR	Spin-0 supersymmetric antiquark partner
\bar{u}	S-UQ	Spin-0 supersymmetric partner of the up quark
\bar{d}	S-DQ	Spin-0 supersymmetric partner of the down quark
\bar{s}	S-SQ	Spin-0 supersymmetric partner of the strange quark
\bar{c}	S-CQ	Spin-0 supersymmetric partner of the charm quark
\bar{b}	S-BQ	Spin-0 supersymmetric partner of the bottom quark
\bar{t}	S-TQ	Spin-0 supersymmetric partner of the top quark
\bar{t}_1	S-TQBAR	Spin-0 supersymmetric partner of the top antiquark
\bar{t}_1	S-TQ1	Lightest mass eigenstate of the mixed spin-0 supersymmetric partners of the left and right top quarks
\bar{t}_1	S-TQ1BAR	Lightest mass eigenstate of the mixed spin-0 supersymmetric partners of the left and right top quarks
\bar{t}_2	S-TQ2	Heaviest mass eigenstate of the mixed spin-0 supersymmetric partners of the left and right top quarks
\bar{t}_2	S-TQ2BAR	Heaviest mass eigenstate of the mixed spin-0 supersymmetric partners of the left and right top quarks
gluinium	GLUINIUM	Bound state of gluinos

COMPOSITE LEPTONS AND QUARKS

ℓ^*	LEPTON*	Unspecified excited lepton
ν^*	NU*	Excited generic neutrino. Different with heavy-lepton ⁰
$\bar{\nu}^*$	NU*BAR	Excited generic anti-neutrino. Different with heavy-lepton ⁰
ν_e^*	NUE*	Composite electron neutrino
$\bar{\nu}_e^*$	NUE*BAR	Composite electron anti-neutrino
$e^{*\pm}$	E*+-	Excited positron or electron
e^{*-}	E*-	Excited electron
e^{*+}	E*+	Excited positron
$\mu^{*\pm}$	MU*+-	Excited charged muon
μ^{*-}	MU*-	Excited μ^-
μ^{*+}	MU*+	Excited μ^+
τ^*	TAU*	Excited τ of unspecified charge
τ^{*-}	TAU*-	Excited τ^-
τ^{*+}	TAU*+	Excited τ^+
q^*	QUARK*	Excited quark
\bar{q}^*	QUARK*BAR	Excited antiquark

MISCELLANEOUS HYPOTHETICAL PARTICLES

cosmion	COSMION	Weakly interacting massive particle (WIMP), proposed to solve simultaneously the problem of dark matter and deficit of B8 neutrinos from the Sun
dark	DARK	A generic name for the dark matter in the galactic halo. May be a weakly interacting particle (neutrino, axion, stable particle, etc.) or strongly interacting particles (quark nuggets)
millicharged	MILLICHARGED	Hypothetic particle with electric charge less than $10^{-3} e$
monopole	MONOPOLE	Magnetic monopole
technipion	TECHNIPION	Technicolor pion
technipion ⁺	TECHNIPION+	Positive technicolor pion
technipion ⁻	TECHNIPION-	Negative technicolor pion
technirho	TECHNIRHO	Technicolor ρ
color	COLOR	Unspecified particle carrying color
lepton-colored	LEPTON-COLOR	Unspecified lepton carrying color
lepton-colored	LEPTON-COLORBAR	Unspecified lepton carrying color
e-color [±]	E-COLOR+-	Colored electron of unspecified charge
ℓ^{++}	LEPTON++	Doubly charged lepton
wquark	WQUARK	Hypothetic fractionally charged particle interacting only weakly
wquark	WQUARKBAR	Weak antiquark
tachyon	TACHYON	Hypothetic faster-than-light particle of unspecified charge
tachyon ⁺	TACHYON+	Hypothetic faster-than-light positively charged particle
tachyon ⁻	TACHYON-	Hypothetic faster-than-light negatively charged particle

e-nonpauli

$a_1(1260)^\pm$

PARTICLE NAME	COMPUTER NAME	EXPLANATION
<i>e</i> -nonpauli	NONPAULI(E-)	Electron-like particle but not fermionic, used to encode experiments on search for Pauli principle violation in exotic atoms
<i>p</i> -nonpauli	NONPAULI(P)	Proton-like particle but not fermionic, used to encode experiments on search for Pauli principle violation in exotic nuclei

GENERIC PARTICLE NAMES

unspec	UNSPEC	Particle of unspecified type
neutral	NEUTRAL	Unspecified neutral particle
invisible	INVISIBLE	One or more neutral weakly interacting particles not visible in the current detecting system
higgs	HIGGS	Generic name for Higgs bosons
charged	CHARGED	Unspecified charged particle
charged ⁺⁺	CHARGED++	Unspecified doubly charged positive particle
charged ⁺	CHARGED+	Positive particle of unspecified type
charged ⁻	CHARGED-	Negative particle of unspecified type
charged ⁻⁻	CHARGED--	Unspecified doubly charged negative particle
multicharged	MULTICHARGED	Stable particle with electric charge greater than 1
even-charged	EVEN-CHARGED	An even number of charged particles
odd-charged	ODD-CHARGED	An odd number of charged particles
parton	PARTON	Hypothetic particle
jet	JET	Jet detected as a whole
jet ⁺	JET+	Jet with positive net charge
jet ⁻	JET-	Jet with negative net charge
hadron	HADRON	Unspecified hadron
hadron ⁰	HADRON0	Unspecified neutral hadron
charged-hadron	CHARGED-HADRON	Unspecified charged hadron
hadron ⁺	HADRON+	Unspecified positive hadron
hadron ⁻	HADRON-	Unspecified negative hadron
charged-meson	CHARGED-MESON	Unspecified charged meson
vmeson	VMESON	Neutral vector meson of unspecified mass
heavy	HEAVY	Unspecified stable particle with mass greater than proton's mass
heavy-flavor	HEAVY-FLAVOR	Any unspecified particle carrying a flavor heavier than strange
longlived	LOGLIVED	Unspecified particle stable under strong and electromagnetic decay
longlived ⁺	LOGLIVED+	Unspecified positive-charge particle stable under strong and electromagnetic decay
longlived ⁰	LOGLIVED0	Unspecified neutral-charge particle stable under strong and electromagnetic decay
longlived ⁻	LOGLIVED-	Unspecified negative-charge particle stable under strong and electromagnetic decay
narrow	NARROW	Unspecified narrow resonance
vee	VEE	Unspecified neutral strange particle decay
kink ⁺	KINK+	Positive kinking track observed in track detector
kink ⁻	KINK-	Negative kinking track observed in track detector
star	STAR	High charged multiplicity final state
shower	SHOWER	Shower track
shower ⁺	SHOWER+	Positive shower track
shower ⁻	SHOWER-	Negative shower track
grey	GREY	Emulsion track reported as grey (mostly protons in the range 30-400 MeV/c)
htrack	HTRACK	Heavy tracks (black or grey) in emulsion
black	BLACK	Heavily ionizing track in emulsions

HADRONS: LIGHT QUARK MESONS

meson	MESON	Unspecified meson
π	PI	Pion of unspecified charge
π^\pm	PI+-	π^+ or π^- meson
η	ETA	$\eta(549)$ meson
meson(600)	MESON(600)	Neutral meson
$f_0(700)$	F0(700)	Was $\epsilon(700)$. $\pi\pi$ S-wave (near 700 MeV)
ρ	RHO(770)	
ρ^\pm	RHO(770)+-	
ω	OMEGA(783)	
η'	ETAPRIME(958)	$\eta'(958)$ meson
$M(940)$	M(940)	Nonstrange, $I = 0$ meson resonance
$M(953)$	M(953)	Nonstrange, $I = 0$ meson resonance
$f_0(975)$	F0(980)	$I = 1$, S-wave $K\bar{K}$ enhancement
$a_0(980)$	A0(980)	
$h(990)$	H(990)	
$M(1033)$	M(1033)	Nonstrange, $I = 0$ meson resonance
$\eta(1080)$	ETA(1080)	
$M(1150)$	M(1150)	Nonstrange, $I = 0$ meson resonance
$\omega\pi(1160)$	OMEGAPI(1160)	Reported meson state decaying to $\omega\pi$
$h_1(1170)$	H1(1170)	
$b_1(1235)$	B1(1235)	"Buddha" meson
$f_0(1240)$	F0(1240)	Was $g_s(1240)$
$a_1(1260)$	A1(1260)	
$a_1(1260)^\pm$	A1(1260)+-	

$f_2(1270)$

PARTICLE NAME	COMPUTER NAME	EXPLANATION
$f_2(1270)$	F2(1270)	
$f_1(1285)$	F1(1285)	Was $D(1285)$
$\eta(1295)$	ETA(1295)	
$\pi(1300)$	PI(1300)	
$a_0(1320)$	A0(1320)	Intensity peaking in mass of $\eta\pi$ system at a_2 meson mass and with comparable width
$a_2(1320)$	A2(1320)	
$a_2(1320)^\pm$	A2(1320)++	
$h_1(1380)$	H1(1380)	
$\omega(1390)$	OMEGA(1390)	Meson resonance
$f_0(1400)$	F0(1370)	Was $\epsilon(1300)$. $\pi\pi$ S-wave (near 1300 MeV)
$\rho(1405)$	RHOHAT(1405)	Seen in the P-wave intensity of the $\eta\pi^0$ system
$f_1(1420)$	F1(1420)	Was $E(1420)$
$\omega(1420)$	OMEGA(1420)	Meson resonance
$f_2(1430)$	F2(1430)	
$\eta(1440)$	ETA(1440)	Was $\iota(1440)$ - glueball candidate
$\rho(1450)$	RHO(1450)	
$\eta(1490)$	ETA(1490)	
$f_1(1510)$	F1(1510)	Was $D(1530)$
$f_2(1520)$	F2(1520)	
$f_0(1525)$	F0(1525)	
$f_2'(1525)$	F2PRIME(1525)	
$f_0(1590)$	F0(1590)	
$\omega(1600)$	OMEGA(1600)	Meson resonance
$f_2(1640)$	F2(1640)	
$X(1650)$	X(1650)	Seen in the $\eta'\pi^0$ system
$\omega_3(1670)$	OMEGA3(1670)	
$\pi_2(1670)$	PI2(1670)	Was $A(1680)$
$\rho_3(1690)$	RHO3(1690)	
$\rho(1700)$	RHO(1700)	
$X(1700)$	X(1700)	
$f_2(1710)$	F/J(1710)	Was $\theta(1690)$ - glueball candidate
$X(1740)$	X(1740)	
$f_0(1750)$	F0(1750)	Was $S(1730)$
$\eta(1760)$	ETA(1760)	
$\pi(1775)$	PI(1775)	Seen by CONDO 91 in 3 pion system produced in charge exchange photo-production
$a_5(1790)^+$	A5(1790)+	
$\pi(1800)$	PI(1800)	Triplet of hadronic resonance with quantum numbers $I^G(J^P) = 1^-(0^-)$
$f_2(1810)$	F2(1810)	
$X(1814)$	X(1814)	Seen in coherent production of $\pi^-\eta\eta$ system on a carbon nucleus
$\eta_2(1870)$	ETA2(1870)	
$X(1910)$	X(1910)	
$f_2(1920)$	F2(1920)	
$X(1935)$	X(1935)	Was $S(1935)$
$X(1950)$	X(1950)	
$f_2(2010)$	F2(2010)	Glueball candidate
$a_4(2040)$	A4(2040)	Was $\delta(2040)$
$a_3(2050)$	A3(2050)	3π state
$f_4(2050)$	F4(2050)	Was $h(2030)$. $I = 0, J^P = 4^+$ meson resonance
$\eta(2100)$	ETA(2100)	
$\pi_2(2100)$	PI2(2100)	
$\rho(2110)$	RHO(2110)	Seen in the ($\omega\pi^0$) and (ω 3 pion) systems
$f_2(2150)$	F2(2150)	Was $\epsilon(2150)$
$\rho(2150)$	RHO(2150)	
$f_2(2175)$	F2(2175)	
$X(2200)$	X(2200)	
$f_4(2220)$	F4(2220)	Was $\xi(2220)$. Meson seen in $J/\psi(1S)$ decays
$\eta(2225)$	ETA(2225)	
$\rho_3(2250)$	RHO3(2250)	Seen in $\bar{p}p$ formation experiments
$f_2(2300)$	F2(2300)	Was $g_T(2320)$
$f_4(2300)$	F4(2300)	Was $\epsilon(2300)$
$f_2(2340)$	F2(2340)	
$\rho_5(2350)$	RHO5(2350)	
$a_6(2450)$	A6(2450)	Was $\delta(2450)$
$f_6(2510)$	F6(2510)	Was $R(2510)$
meson(2950)	MESON(2950)	Bump seen in $p\bar{p}\pi$
$X(3250)$	X(3250)	

HADRONS: OTHER UNFLAVOURED MESONS

$(e^+e^-(1100 - 2200))$	E+E-(1100-2200)	Vector meson
$X(1900 - 3600)$	X(1900-3600)	Any meson bump seen in production experiments in that mass region

HADRONS: MESONS WITH HEAVIEST QUARK STRANGE

strange	STRANGE	Unspecified strange particle
kaon	KAON	Kaon or antikaon of unspecified charge

K

$\eta_c(2S)$

PARTICLE NAME	COMPUTER NAME	EXPLANATION
K	K	K meson
K^\pm	K+-	Ordinary K^+ or K^- meson
K_S	KS	K_{short} , neutral K meson
K_L	KL	K_{long} , neutral K meson
$K^*(892)$	K*(892)	
$K^*(892)^\pm$	K*(892)+-	
$K_1(1270)$	K1(1270)	Was $Q(1280)$
$K_1(1400)$	K1(1400)	Was $Q(1400)$
$K^*(1410)$	K*(1410)	
$K_0^*(1430)$	K0*(1430)	Was $\kappa(1350)$
$K_2^*(1430)$	K2*(1430)	
$K(1460)$	K(1460)	$J^P = 0^-$ state seen in PWA decaying predominantly into ϵK
$K_2(1580)$	K2(1580)	Seen in PWA of the $K2\pi$ system. Was $L(1580)$
$K_1(1650)$	K1(1650)	Various peaks in $K\phi$ and $K2\pi$ reported in PWA
$K^*(1680)$	K*(1680)	
$K_2(1770)$	K2(1770)	
$K_3^*(1780)$	K3*(1780)	
$K_2(1820)$	K2(1820)	
$K(1830)$	K(1830)	Seen in PWA of $K\phi$ system
$K_0^*(1950)$	K0*(1950)	
$K_2^*(1980)$	K2*(1980)	Seen in PWA of $K2\pi$ system
$K_4^*(2045)$	K4*(2045)	
$K_2(2250)$	K2(2250)	$\Lambda\bar{p}$ or $\bar{\Lambda}p$ state with quantum numbers of kaon
$K_3(2320)$	K3(2320)	
$K_5^*(2380)$	K5*(2380)	
$K_4(2500)$	K4(2500)	
I(2600)	I(2600)	Strange meson
$K^*(unspec)$	K*(UNSPEC)	Unspecified K^*
strangeonium	STRANGEONIUM	Unspecified meson whose quark content is dominantly $s\bar{s}$, such as the $\phi(1020)$
$\phi(1020)$	PHI(1020)	
$\phi(1680)$	PHI(1680)	
$\phi_3(1850)$	PHI3(1850)	Bump in K^+K^- mass
$K\bar{K}(2200)^0$	KKBAR(2200)0	Reported spin 5 boson resonance
$\phi_5(2400)$	PHI5(2400)	

HADRONS: MESONS WITH HEAVIEST QUARK CHARMED

charm	CHARM	Unspecified charmed particle
$charm^\pm$	CHARM+-	Unspecified charged charmed particle
charmed-meson	CHARMED-MESON	Unspecified charmed meson
$D(unspec)$	DC	D or \bar{D} charmed meson
D^\pm	D+-	D^+ or D^- charmed nonstrange meson
D	D	D^+ or D^0 charmed meson
$D^*(2010)^\pm$	D*(2010)+-	Excited charmed nonstrange meson
$D^*(2010)$	D*(2010)	Excited charmed nonstrange meson
$D^*(unspec)$	D*(UNSPEC)	
D_s^\pm	D/S+-	Was F . D_s^+ or D_s^- charmed strange meson
D_s^+	D/S+	Was F . D_s^+ charmed strange meson
D_s^*	D/S*	Was $F^*(2140)$. Excited charmed strange meson
$D_1(2420)$	D1(2420)	
$D_J(2440)$	D/J(2440)	Excited charmed nonstrange meson
$D_2^*(2460)$	D2*(2460)	
$D_3^*(2470)$	D/J*(2470)	Excited charmed nonstrange meson seen in $D^0\pi^+$
$D_{s1}(2536)^\pm$	D/S1(2536)+-	
$D_{s1}(2536)^+$	D/S1(2536)+	
$D_s^*(2547)^+$	D/S*(2547)+	
$D_{sJ}(2564)^+$	D/S/J(2564)+	
$D_{s2}(2573)^+$	D/S2(2573)+	Charmed antistrange meson
$D_s^*(2790)$	D/S*(2790)	
$D_s(unspec)$	D/S(UNSPEC)	Unspecified charmed strange meson
charmonium	CHARMONIUM	Unspecified charm-anticharm state
$X(2830)$	X(2830)	$J^P = 0^-$ charmonium state
$\chi(2850)$	CHI(2850)	
$\eta_c(1S)$	ETA/C(1S)	Charmonium meson
$h_c(1P)$	H/C(1P)	
$\psi(3040)$	PSI(3040)	
$J/\psi(1S)$	J/PSI(1S)	
$\chi(3180)$	CHI(3180)	
$\chi_{c0}(1P)$	CHI/C0(1P)	Particle observed in $e^+e^- \rightarrow \mu^+\mu^-2\gamma$
$\chi(3300 - 3500)$	CHI(3300-3500)	Generic name for charmonium χ states in the 3300-3500 MeV mass region
$\chi_c(3455)$	CHI/C(3455)	Radiative decay product of $\psi(2S)$
$\chi_{c1}(1P)$	CHI/C1(1P)	Observed in $e^+e^-2\gamma$ final state
$\chi_{c2}(1P)$	CHI/C2(1P)	Charmonium meson
$\eta_c(2S)$	ETA/C(2S)	Charmonium meson

$\psi(2S)$

PARTICLE NAME	COMPUTER NAME	EXPLANATION
$\psi(2S)$	PSI(2S)	
$\psi(3770)$	PSI(3770)	
$\psi(4040)$	PSI(4040)	
$\psi(4160)$	PSI(4160)	
$\psi(4415)$	PSI(4415)	
$\chi_c(\text{unspec})$	CHI/C(UNSPEC)	Unspecified radiative decay product of any ψ meson
$\psi(\text{unspec})$	PSI(UNSPEC)	Unspecified ψ meson

HADRONS: MESONS WITH HEAVIEST QUARK BEAUTY

bottom	BOTTOM	Unspecified particle with naked bottom
bottom \pm	BOTTOM \pm	Generic name for charged particle with naked beauty
B^\pm	B \pm	Bottom meson
B	B	B^+ or B^- bottom meson
$B(\text{unspec})$	B(UNSPEC)	Meson of unspecified mass with antibeauty quark
B^*	B*	Excited bottom meson
$B_J^*(5732)$	B/J*(5732)	Orbitally excited bottom meson
$B^*(\text{unspec})$	B*(UNSPEC)	Vector beauty meson
B_s	B/S	Beauty-antistrange meson
B_s^*	B/S*	Beauty-antistrange excited meson
B_c^+	B/C+	Antibeauty-charmed meson
bottomonium	BOTTOMONIUM	Unspecified bottom-antibottom state
$\zeta(8300)$	ZETA(8300)	
η_b	ETA/B(1S)	Lowest mass $J^P = 0^- b\bar{b}$ state
$\Upsilon(1S)$	UPSI(1S)	
$h_b(1P)$	H/B(1P)	Lowest mass $J^P = 1^+ b\bar{b}$ state
$\chi_{b0}(1P)$	CHI/B0(1P)	Bottomonium meson
$\chi_{b1}(1P)$	CHI/B1(1P)	Bottomonium meson
$\chi_{b2}(1P)$	CHI/B2(1P)	Bottomonium meson
$\Upsilon(1D)$	UPSI(1D)	$J^P = 1^- b\bar{b}$ state
$\Upsilon(2S)$	UPSI(2S)	
$\chi_{b0}(2P)$	CHI/B0(2P)	Bottomonium meson
$\chi_{b1}(2P)$	CHI/B1(2P)	Bottomonium meson
$\chi_{b2}(2P)$	CHI/B2(2P)	Bottomonium meson
$\Upsilon(3S)$	UPSI(3S)	
$\Upsilon(4S)$	UPSI(4S)	
$\Upsilon(10860)$	UPSI(10860)	
$\Upsilon(11020)$	UPSI(11020)	
$\chi_b(\text{unspec})$	CHI/B(UNSPEC)	Bottomonium meson
$\Upsilon(\text{unspec})$	UPSI(UNSPEC)	Unspecified Υ particle

HADRONS: MESONS WITH HEAVIEST QUARK TOP

top	TOP	Unspecified particle with naked top
toponium	TOPONIUM	Unspecified top-antitop state

HADRONS: EXOTIC MESONS AND MESON-LIKE OBJECTS

exotic	EXOTIC	Unspecified particle which cannot be fit into $q\bar{q}$ or qqq model
exotic-meson	EXOTIC-MESON	Manifestly exotic meson that cannot be formed of quark-antiquark
glueball	GLUEBALL	Unspecified glueball
pomeron	POMERON	
$C(1480)$	C(1480)	Meson decaying into $\phi\pi$
$X(1600)$	X(1600)	
meson $^{--}$	MESON $^{--}$	Charged -2 meson of unspecified mass
baryonium	BARYONIUM	Unspecified nucleon-antinucleon particle
baryonium($S = -1$)	BARYONIUM($S=-1$)	Strange mesons that couple predominately to baryon-antibaryon
baryonium($S = +1$)	BARYONIUM($S=+1$)	Strange mesons that couple predominately to baryon-antibaryon
$X(3100)$	X(3100)	Exotic meson possibly seen in $\Lambda\bar{p}$ plus pions

HADRONS: LIGHT QUARK BARYONS

baryon	BARYON	Unspecified baryon
p^\pm	P \pm	Proton or antiproton
nucleon	NUCLEON	Unspecified nucleon
p	P	Proton
n	N	Neutron
$p(\text{spect})$	P(SPECT)	Spectator proton
$n(\text{spect})$	N(SPECT)	Spectator neutron
$N(1440 P_{11})$	N(1440P11)	
$N(1520 D_{13})$	N(1520D13)	
$N(1535 S_{11})$	N(1535S11)	
$N(1540 P_{13})$	N(1540P13)	
$N(1650 S_{11})$	N(1650S11)	
$N(1675 D_{15})$	N(1675D15)	
$N(1680 F_{15})$	N(1680F15)	
$N(1700 D_{13})$	N(1700D13)	
$N(1700 B)$	N(1700B)	Bump in production experiment
$N(1710 P_{11})$	N(1710P11)	

$N(1720 P_{13})$ $\Sigma(1620 S_{11})$

PARTICLE NAME	COMPUTER NAME	EXPLANATION	
$N(1720 P_{13})$	$N(1720P13)$		
$N(1890 B)$	$N(1890B)$	Enhancement seen in $\pi\pi \rightarrow \eta'n$ cross section	
$N(1900 P_{13})$	$N(1900P13)$		
$N(1990 F_{17})$	$N(1990F17)$		
$N(2000 F_{15})$	$N(2000F15)$		
$N(2080 D_{13})$	$N(2080D13)$		
$N(2090 S_{11})$	$N(2090S11)$		
$N(2100 P_{11})$	$N(2100P11)$		
$N(2190 G_{17})$	$N(2190G17)$		
$N(2200 D_{15})$	$N(2200D15)$		
$N(2220 H_{19})$	$N(2220H19)$		
$N(2250 G_{19})$	$N(2250G19)$		
$N(2600 I_{1, 11})$	$N(2600I111)$		
$N(2700 K_{1, 13})$	$N(2700K113)$		
$N(\text{unspec})$	$N(\text{UNSPEC})$		Unspecified $I = 1/2, S = 0$ baryon
$\Delta(1232 P_{33})$	$\Delta(1232P33)$		
$\Delta(1550 P_{31})$	$\Delta(1550P31)$		
$\Delta(1600 P_{33})$	$\Delta(1600P33)$		
$\Delta(1620 S_{31})$	$\Delta(1620S31)$		
$\Delta(1700 D_{33})$	$\Delta(1700D33)$		
$\Delta(1750 P_{31})$	$\Delta(1750P31)$		
$\Delta(1900 S_{31})$	$\Delta(1900S31)$		
$\Delta(1905 F_{35})$	$\Delta(1905F35)$		
$\Delta(1910 P_{31})$	$\Delta(1910P31)$		
$\Delta(1920 P_{33})$	$\Delta(1920P33)$		
$\Delta(1930 D_{35})$	$\Delta(1930D35)$		
$\Delta(1940 D_{33})$	$\Delta(1940D33)$		
$\Delta(1950 F_{37})$	$\Delta(1950F37)$		
$\Delta(2000 P_{33})$	$\Delta(2000P33)$		
$\Delta(2000 F_{35})$	$\Delta(2000F35)$		
$\Delta(2150 S_{31})$	$\Delta(2150S31)$		
$\Delta(2200 G_{37})$	$\Delta(2200G37)$		
$\Delta(2300 H_{39})$	$\Delta(2300H39)$		
$\Delta(2350 D_{35})$	$\Delta(2350D35)$		
$\Delta(2390 F_{37})$	$\Delta(2390F37)$		
$\Delta(2400 G_{39})$	$\Delta(2400G39)$		
$\Delta(2420 H_{3, 11})$	$\Delta(2420H311)$		
$\Delta(2750 I_{3, 13})$	$\Delta(2750I313)$		
$\Delta(2950 K_{3, 15})$	$\Delta(2950K315)$		
$\Delta(3230 B)$	$\Delta(3230B)$	Unspecified $I = 3/2, S = 0$ baryon	
$\Delta(\text{unspec})$	$\Delta(\text{UNSPEC})$		
$N^*(\text{unspec})$	$N^*(\text{UNSPEC})$		$S = 0$ baryon with unspecified mass and isospin

HADRONS: BARYONS WITH HEAVIEST QUARK STRANGE

hyperon	HYPERON	Unspecified hyperon
Λ	LAMBDA	Ordinary Λ hyperon
$\Lambda(1330 B)$	LAMBDA(1330B)	Bump in production experiment
$\Lambda(1405 S_{01})$	LAMBDA(1405S01)	
$\Lambda(1520 D_{03})$	LAMBDA(1520D03)	
$\Lambda(1600 P_{01})$	LAMBDA(1600P01)	
$\Lambda(1670 S_{01})$	LAMBDA(1670S01)	
$\Lambda(1690 D_{03})$	LAMBDA(1690D03)	
$\Lambda(1690 B)$	LAMBDA(1690B)	
$\Lambda(1800 S_{01})$	LAMBDA(1800S01)	
$\Lambda(1800 G_{09})$	LAMBDA(1800G09)	
$\Lambda(1800 B)$	LAMBDA(1800B)	
$\Lambda(1810 P_{01})$	LAMBDA(1810P01)	
$\Lambda(1820 F_{05})$	LAMBDA(1820F05)	
$\Lambda(1830 D_{05})$	LAMBDA(1830D05)	
$\Lambda(1890 P_{03})$	LAMBDA(1890P03)	
$\Lambda(2000)$	LAMBDA(2000)	
$\Lambda(2020 F_{07})$	LAMBDA(2020F07)	
$\Lambda(2100 G_{07})$	LAMBDA(2100G07)	
$\Lambda(2100 B)$	LAMBDA(2100B)	Bump in production experiment
$\Lambda(2110 F_{05})$	LAMBDA(2110F05)	
$\Lambda(2325 D_{03})$	LAMBDA(2325D03)	
$\Lambda(2350 H_{09})$	LAMBDA(2350H09)	
$\Lambda(2350 B)$	LAMBDA(2350B)	Bump in production experiment
$\Lambda(2585 B)$	LAMBDA(2585B)	Bump in production experiment
$\Lambda(\text{unspec})$	LAMBDA(UNSPEC)	Unspecified $I = 0, S = -1$ baryon
Σ	SIGMA	Ordinary Σ hyperon
Σ^\pm	SIGMA+-	
$\Sigma(1385 P_{13})$	SIGMA(1385P13)	
$\Sigma(1385 P_{13})^\pm$	SIGMA(1385P13)+-	
$\Sigma(1480 B)$	SIGMA(1480B)	Bump in production experiment
$\Sigma(1560 B)$	SIGMA(1560B)	
$\Sigma(1580 D_{13})$	SIGMA(1580D13)	
$\Sigma(1620 S_{11})$	SIGMA(1620S11)	

$\Sigma(1620 B)$ Ω_{bb}^-

PARTICLE NAME	COMPUTER NAME	EXPLANATION
$\Sigma(1620 B)$	SIGMA(1620B)	
$\Sigma(1650 P_{11})$	SIGMA(1650P11)	
$\Sigma(1660 P_{11})$	SIGMA(1660P11)	
$\Sigma(1670 D_{13})$	SIGMA(1670D13)	
$\Sigma(1690 B)$	SIGMA(1690B)	Bump in production experiment
$\Sigma(1750 S_{11})$	SIGMA(1750S11)	
$\Sigma(1770 B)$	SIGMA(1770B)	
$\Sigma(1770 P_{11})$	SIGMA(1770P11)	
$\Sigma(1775 D_{15})$	SIGMA(1775D15)	
$\Sigma(1840 P_{13})$	SIGMA(1840P13)	
$\Sigma(1880 P_{11})$	SIGMA(1880P11)	
$\Sigma(1900 S_{11})$	SIGMA(1900S11)	
$\Sigma(1915 F_{15})$	SIGMA(1915F15)	
$\Sigma(1915 B)$	SIGMA(1915B)	
$\Sigma(1920 P_{13})$	SIGMA(1920P13)	
$\Sigma(1940 D_{13})$	SIGMA(1940D13)	
$\Sigma(2000 S_{11})$	SIGMA(2000S11)	
$\Sigma(2030 F_{17})$	SIGMA(2030F17)	
$\Sigma(2030 B)$	SIGMA(2030B)	
$\Sigma(2070 F_{15})$	SIGMA(2070F15)	Seen in DPWA
$\Sigma(2080 P_{13})$	SIGMA(2080P13)	Suggested by some but not all PWA
$\Sigma(2100 G_{17})$	SIGMA(2100G17)	Seen in DPWA
$\Sigma(2140 P_{13})$	SIGMA(2140P13)	
$\Sigma(2250 B)$	SIGMA(2250B)	Bump in production experiment
$\Sigma(2455 B)$	SIGMA(2455B)	
$\Sigma(2620 B)$	SIGMA(2620B)	
$\Sigma(3000 B)$	SIGMA(3000B)	
$\Sigma(3170 B)$	SIGMA(3170B)	Seen in production experiment
$\Sigma(\text{unspec})$	SIGMA(UNSPEC)	Unspecified $I = 1, S = -1$ baryon
$Y^*(\text{unspec})$	Y*(UNSPEC)	$S = -1$ baryon with unspecified mass and isospin
Ξ	XI	Ordinary Ξ hyperon
$\Xi(1530 P_{13})$	XI(1530P13)	
$\Xi(1620)$	XI(1620)	Seen in $\Xi\pi$ channel
$\Xi(1690)$	XI(1690)	
$\Xi(1760)$	XI(1760)	
$\Xi(1820 D_{13})$	XI(1820D13)	
$\Xi(1950)$	XI(1950)	
$\Xi(2030)$	XI(2030)	
$\Xi(2120)$	XI(2120)	Seen in production experiment
$\Xi(2250)$	XI(2250)	Seen in production experiment
$\Xi(2370)$	XI(2370)	
$\Xi(2500)$	XI(2500)	Seen in production experiment
$\Xi(2600)$	XI(2600)	Not confirmed
$\Xi(\text{unspec})$	XI(UNSPEC)	Unspecified $I = 1/2, S = -2$ baryon
Ω^\pm	OMEGA+-	
Ω^-	OMEGA-	Ordinary Ω^- hyperon
$\Omega(2250)^\pm$	OMEGA(2250)++	
$\Omega(2250)^-$	OMEGA(2250)-	
$\Omega(2380)^\pm$	OMEGA(2380)++	
$\Omega(2380)^-$	OMEGA(2380)-	
$\Omega(2470)^\pm$	OMEGA(2470)++	
$\Omega(2470)^-$	OMEGA(2470)-	
$\Omega^*(\text{unspec})^-$	OMEGA*(UNSPEC)-	$S = -3$ baryon with unspecified mass and isospin

HADRONS: BARYONS WITH HEAVIEST QUARK CHARMED

Λ_c	LAMBDA/C	$\Lambda_c(2281)^+$ or $\bar{\Lambda}_c(2281)^-$
$\Lambda_c(2625)$	LAMBDA/C(2625)	
Λ_c^+	LAMBDA/C**	Exited Λ_c^+ charmed baryon
$\Sigma_c(2455)$	SIGMA/C(2455)	$I = 1$ charmed baryon triplet
$\Sigma_c(2530)^{++}$	SIGMA/C(2530)++	Charmed baryon
$\Xi_c(2460)$	XI/C(2460)	Baryon with quark content usc
$\Xi_c(\text{unspec})$	XI/C*(UNSPEC)	Unspecified excited charmed strange baryon (qsc)
Ω_c	OMEGA/C	$\Omega_c(2740)^0$ $I = 0$ charmed doubly strange baryon
Ω_c^{++}	OMEGA/CCC+	Baryon with quark content ccc

HADRONS: BARYONS WITH HEAVIEST QUARK BEAUTY

Λ_b	LAMBDA/B	$\Lambda_b(5500)^0$ $I = 0$ bottom baryon
Σ_b	SIGMA/B	Ground state $I = 1$ bottom baryon (qqb)
Σ_b^\pm	SIGMA/B+-	Ground state $I = 1$ bottom baryon
Ξ_b	XI/B	Ground state $I = 1/2$ strange bottom baryon (qsb)
Ω_b^-	OMEGA/B-	
Ω_{cb}^0	OMEGA/CB0	
Ω_{bb}^-	OMEGA/BB-	

Ω_{bb}^-

Ca(atom)

PARTICLE NAME	COMPUTER NAME	EXPLANATION
---------------	---------------	-------------

Ω_{bb}^-

HADRONS: EXOTIC BARYONS

exotic-nucleon	EXOTIC-NUCLEON	Cannot be formed of qqq
$N_{5/2}^*(1380)^{+++}$	N*5/2(1380)+++	Exotic baryon
$N_{5/2}^*(1390)^{+++}$	N*5/2(1390)+++	Exotic $I = 5/2$ nonstrange baryon
$N_{5/2}^*(1480)^{+++}$	N*5/2(1480)+++	Exotic $I = 5/2$ nonstrange baryon
$N_{5/2}^*(1650)$	N*5/2(1650)	$I = 5/2, Y = 1$ baryon of unspecified charge
$N_{5/2}^*(1760)^{+++}$	N*5/2(1760)+++	Exotic baryon
$N_{5/2}^*(1760)^+$	N*5/2(1760)+	Exotic baryon
$N(2000 B)^+$	EXOTIC-N(2000B)+	Bump in production experiment, candidate for cryptoexotic pentaquark baryons with hidden strangeness
$N(2050 B)^+$	EXOTIC-N(2050B)+	Bump in production experiment, candidate for cryptoexotic pentaquark baryons with hidden strangeness
$N_{5/2}^*(2070)^{+++}$	N*5/2(2070)+++	Exotic baryon
$N_{5/2}^*(\text{unspec})$	N*5/2(UNSPEC)	Unspecified $I = 5/2, S = 0$ baryon
$N(2170 B)^+$	EXOTIC-N(2170B)+	Bump in production experiment, candidate for cryptoexotic pentaquark baryons with hidden strangeness
$N(3520 B)^+$	EXOTIC-N(3520B)+	Bump in production experiment, candidate for cryptoexotic pentaquark baryons with hidden strangeness
$N\phi(1950)^+$	NPHI(1950)+	Reported baryon with $s\bar{s}$ and 3 other quarks
$N\phi(1950)^0$	NPHI(1950)0	Reported baryon with $s\bar{s}$ and 3 other quarks
$Z_0(1780 P_{01})$	Z0(1780P01)	
$Z_0(1865 D_{03})$	Z0(1865D03)	
$Z_0(\text{unspec})$	Z0(UNSPEC)	Exotic $I = 0, S = +1$ baryon of unspecified mass
$Z_1(1900 P_{13})$	Z1(1900P13)	
$Z_1(2150)$	Z1(2150)	
$Z_1(2500)$	Z1(2500)	
$Z_1(\text{unspec})$	Z1(UNSPEC)	Exotic $I = 1, S = +1$ baryon of unspecified mass
$Z^*(\text{unspec})$	Z*(UNSPEC)	Exotic $I = \text{unspecified}, S = +1$ baryon of unspecified mass
$Y_2^*(\text{unspec})$	Y*2(UNSPEC)	Unspecified $I = 2, S = -1$ baryon
$\Xi^*(\text{unspec})$	XI*(UNSPEC)	$I = \text{unspecified}, S = -2$ baryon of unspecified mass
$\Xi_{3/2}^*(\text{unspec})$	XI*3/2(UNSPEC)	Unspecified $I = 3/2, S = -2$ baryon
R-baryon	R-BARYON	Generic exotic baryon with $3q$ quarks plus one gluino
R-proton	R-PROTON	Exotic baryon with uud quarks plus one gluino
$R-\Delta^{++}$	R-DEL++	Exotic baryon with uuu quarks plus one gluino
R- Λ	R-LAMBDA	Exotic baryon with uus quarks plus one gluino
$R-\Xi^-$	R-XI-	Exotic baryon with ssd quarks plus one gluino

EXOTIC MATTER

anomalon	ANOMALON	Anomalous nuclear fragment
fireball	FIREBALL	
centauro	CENTAURO	Final state with 50 or more charged particles and no π^0 's
mini-centauro	MINI-CENTAURO	New type of final state with 20 or less charged particles, no π^0 's
chiron	CHIRON	
geminion	GEMINION	Hypothetical particle
strangelet	STRANGELET	Proposed new form of strange hadronic matter. Quark nuggets.

ELECTROMAGNETIC COMPOSITES

positronium	POSITRONIUM	
positronium ⁻	POSITRONIUM-	$e^- e^+ e^-$ coulomb bound state, "positronium negative ion"
muonium	MUEATOM	$\mu^+ e^-$ atom
muonium	MUEATOMBAR	$\mu^- e^+$ atom
$(\pi\mu)_{\text{atom}}$	PIMUATOM	$\pi\mu$ coulomb bound state
mupatom	MUPATOM	$\mu^- p$ atom
$(\pi\pi)_{\text{atom}}$	PIPIATOM	$\pi\pi$ coulomb bound state
taonium	TAONIUM	$\tau^+ \tau^-$ coulomb bound state
$(\pi p)_{\text{atom}}$	PIPATOM	$(\pi^- p)$ coulomb bound state
$(\bar{p}p)_{\text{atom}}$	PBARPATOM	
$(\bar{p} \text{deuteron})_{\text{atom}}$	PBARDEUTATOM	
$(\bar{p} \text{He})_{\text{atom}}$	PBARHEATOM	Antiproton helium coulombic atom
atom	ATOM	Unspecified conventional atom
atom*	ATOM*	Unspecified excited conventional atom
H(atom)	ATOM(P)	Hydrogen atom
$^2\text{H}(\text{atom})$	ATOM(DEUT)	Deuteron atom
C(atom)	ATOM(C)	Carbon atom
$^{19}\text{F}(\text{atom})$	ATOM(FL19)	Fluorine-19 atom - note name is not same as chemical symbol
Ne(atom)	ATOM(NE)	Neon atom
Nit(atom)	ATOM(NIT)	Nitrogen atom
Al(atom)	ATOM(AL)	Aluminum atom
Ca(atom)	ATOM(CA)	

⁵⁰Ti(atom)

tetra-neutron

PARTICLE NAME	COMPUTER NAME	EXPLANATION
⁵⁰ Ti(atom)	ATOM(TI50)	
⁵⁰ Cr(atom)	ATOM(CR50)	
⁵⁵ Mn(atom)	ATOM(MN55)	Manganese-55 atom
⁵⁵ Fe(atom)	ATOM(FE55)	Iron-55 atom
⁵⁸ Fe(atom)	ATOM(FE58)	Iron-58 atom
Fe(atom)	ATOM(Fe)	Iron atom
⁵⁸ Ni(atom)	ATOM(NI58)	Nickel-58 atom
⁶⁴ Ni(atom)	ATOM(NI64)	Nickel-64 atom
Cu(atom)	ATOM(CU)	Copper atom
⁶⁴ Zn(atom)	ATOM(ZN64)	Zinc-64 atom
⁶⁷ Zn(atom)	ATOM(ZN67)	Zinc-67 atom
⁶⁷ Ga(atom)	ATOM(GA67)	Gallium-67 atom
⁷¹ Ga(atom)	ATOM(GA71)	
⁷¹ Ge(atom)	ATOM(GE71)	
⁹² Zr(atom)	ATOM(ZR92)	Zirconium-92 atom
⁹² Mo(atom)	ATOM(MO92)	
¹⁰⁶ Pd(atom)	ATOM(PD106)	
¹⁰⁸ Pd(atom)	ATOM(PD108)	
Ag(atom)	ATOM(AG)	Silver atom
¹⁰⁶ Cd(atom)	ATOM(CD106)	
¹⁰⁸ Cd(atom)	ATOM(CD108)	
Sn(atom)	ATOM(SN)	Tin atom
¹²⁴ Te(atom)	ATOM(TE124)	Tellur-124 atom
¹²⁴ Xe(atom)	ATOM(XE124)	Xenon-124 atom
¹²⁵ Te(atom)	ATOM(TE125)	Tellurium-125 atom
¹²⁵ I(atom)	ATOM(I125)	Iodine-125 atom
Cs(atom)	ATOM(CS)	Cesium atom
¹⁶³ Dy(atom)	ATOM(DY163)	
¹⁶³ Ho(atom)	ATOM(HO163)	
¹⁸⁰ Wt(atom)	ATOM(WT180)	
Pt(atom)	ATOM(PT)	Platinum atom
¹⁹⁶ Pt(atom)	ATOM(PT196)	Platinum-196 atom
Au(atom)	ATOM(AU)	Gold atom
¹⁹⁶ Hg(atom)	ATOM(HG196)	Mercury-196 atom
¹⁹⁹ Hg(atom)	ATOM(HG199)	Mercury-199 atom
Hg(atom)	ATOM(HG)	Mercury atom
Tl(atom)	ATOM(TL)	
Pb(atom)	ATOM(PB)	
Bi(atom)	ATOM(BI)	Bismuth atom
ion	ION	Unspecified ion of
¹⁶³ Dy(ion 66 ⁺)	ION(DY163)66+	66-charged dysprosium-163 ion
¹⁶³ Ho(ion 66 ⁺)	ION(HO163)66+	66-charged holmium-163 ion
²³⁸ U(ion 90 ⁺)	ION(U238)90+	90-charged uranium-238 ion

NUCLEI, MULTIBARYONS, HYPER- AND SUPERNUCLEI

nucleus	NUCLEUS	Unspecified nucleus
frag	FRAG	Nuclear fragment
fragb	FRAGB	Fragment of beam
fragt	FRAGT	Fragment of target
hypernucleus	HYPERNUCLEUS	Unspecified hypernucleus, generally containing more than two baryons
charmed-nucleus	CHARMED-NUCLEUS	Unspecified charmed nucleus
deuteron	DEUT	Deuteron
deut**(2500) ⁺	DEUT**(2500)+	Low-mass dππ bump
demon	DEMON	Exotic 6-quark deuteron-like state
dibaryon	DIBARYON	Dibaryon resonance
dineutron	DINEUTRON	Dineutron resonance
NN(2170 ¹ D ₂)	NN(2170/1D2)	
NN(2250 ³ F ₃)	NN(2250/3F3)	
NN(2900 ¹ H ₆)	NN(2900/1H6)	Dibaryon resonance
dibaryon(S = -1)	DIBARYON(S=-1)	Unspecified S = -1 dibaryon resonance
ΛN(2130 ³ S ₁)	LAMBDA N(2130/3S1)	
hypernucleus(S = -2)	HYPERNUCLEUS(S=-2)	Unspecified hypernucleus with strangeness = -2
dibaryon(S = -2)	DIBARYON(S=-2)	Unspecified S = -2 dibaryon resonance
dibaryon(S = -2) [*]	DIBARYON*(S=-2)	Unspecified S = -2 excited dibaryon resonance
(ΞN) ⁺	XIN+	Dibaryon with S = -2
³ H	TRITIUM	Tritium nucleus
³ H _Λ	H3/S	Hypernucleus with Λ instead of neutron
trineutron	TRINEUTRON	Reported 3-neutron bound state
tribaryon	TRIBARYON	Reported 3-baryon state
tetra-neutron	TETRA-NEUTRON	Hypothetic 4-neutron bound state

${}^4\text{H}_s$

I

PARTICLE NAME	COMPUTER NAME	EXPLANATION
${}^4\text{H}_s$	H4/S	Hypernucleus with Λ instead of neutron
${}^3\text{He}_s$	HE3/S	Helium hypernucleus with strangeness = -1
He	HE	Helium nucleus
${}^4\text{He}_s$	HE4/S	Helium hypernucleus with strangeness = -1
${}^4\text{H}_{ss}$	H4/SS	Hydrogen-4 hypernucleus with strangeness=-2
${}^5\text{He}_s$	HE5/S	Helium-5 hypernucleus with strangeness=-1
${}^5\text{He}_{ss}$	HE5/SS	Helium-5 hypernucleus with strangeness=-2
${}^6\text{He}_{ss}$	HE6/SS	Helium-6 hypernucleus with strangeness=-2
Li	LI	Lithium nucleus
${}^7\text{Li}_s$	LI7/S	Hypernucleus with Λ instead of neutron
${}^8\text{Li}_s$	LI8/S	
${}^9\text{Li}_s$	LI9/S	Hypernucleus with Λ instead of neutron
Be	BE	Beryllium nucleus
${}^9\text{Be}_s$	BE9/S	Beryllium-9 hypernucleus with strangeness=-1
${}^{10}\text{Be}_{ss}$	BE10/SS	Beryllium-10 hypernucleus with strangeness=-2
${}^{11}\text{Be}_{ss}$	BE11/SS	Beryllium-11 hypernucleus with strangeness=-2
Bor	BOR	Boron nucleus - note name is not same as chemical symbol
Bor_s	BOR/S	Boron hypernucleus
${}^{10}\text{Bor}_s$	BOR10/S	Boron-10 hypernucleus with strangeness = -1
${}^{11}\text{Bor}_s$	BOR11/S	Boron-11 hypernucleus
C	C	Carbon nucleus
${}^{12}\text{C}_s$	C12/S	Carbon-12 hypernucleus
C_s	C/S	Carbon hypernucleus with strangeness=-1
Nit	NIT	Nitrogen nucleus - note name is not same as chemical symbol
O	O	Oxygen nucleus
O_s	O/S	Oxygen hypernucleus
${}^{16}\text{O}_s$	O16/S	Oxygen-16 hypernucleus
Fl	FL	Fluorine nucleus - note name is not same as chemical symbol
Ne	NE	Neon nucleus
Na	NA	Sodium nucleus
Mg	MG	Magnesium nucleus
Al	AL	Aluminum nucleus
Si	SI	Silicon nucleus
${}^{28}\text{Si}_s$	SI28/S	Silicon-28 hypernucleus
Ph	PH	Phosphorus nucleus - note name is not same as chemical symbol
S	S	Sulfur nucleus
S_s	S/S	Sulfur hypernucleus
Cl	CL	Chlorine nucleus
Ar	AR	Argon nucleus
KK	KK	Potassium nucleus - note name is not same as chemical symbol
Ca	CA	Calcium nucleus
Ca_s	CA/S	Calcium hypernucleus
${}^{40}\text{Ca}_s$	CA40/S	Calcium-40 hypernucleus
Sc	SC	Scandium nucleus
Ti	TI	Titanium nucleus
Va	VA	Vanadium nucleus - note name is not same as chemical symbol
${}^{51}\text{Va}_s$	VA51/S	Vanadium-51 hypernucleus
Cr	CR	Chromium nucleus
Mn	MN	Manganese nucleus
${}^{56}\text{Fe}_s$	FE56/S	Iron-56 nucleus hypernucleus with strangeness=-1
Fe	FE	Iron nucleus
Fe_s	FE/S	Iron hypernucleus
Co	CO	Cobalt nucleus
Ni	NI	Nickel nucleus
Cu	CU	Copper nucleus
Zn	ZN	Zinc nucleus
Ga	GA	Gallium nucleus
Ge	GE	Germanium nucleus
As	AS	Arsenic nucleus
Se	SE	Selenium nucleus
Br	BR	Bromine nucleus
Kr	KR	Krypton nucleus
Rb	RB	Rubidium nucleus
Sr	SR	Strontium nucleus
Yt	YT	Yttrium nucleus - note name is not same as chemical symbol
${}^{89}\text{Yt}_s$	YT89/S	Yttrium-89 hypernucleus - note name is not same as chemical symbol
Zr	ZR	Zirconium nucleus
Nb	NB	Niobium nucleus
Mo	MO	Molybdenum nucleus
Tc	TC	Technetium nucleus
Ru	RU	Ruthenium nucleus
Rh	RH	Rhodium nucleus
Pd	PD	Palladium nucleus
Ag	AG	Silver nucleus
Cd	CD	Cadmium nucleus
In	IN	Indium nucleus
Sn	SN	Tin nucleus
Sb	SB	Antimony nucleus
Te	TE	Tellurium nucleus
I	I	Iodine nucleus

Xe

 $(\pi^+ \text{'s})$

PARTICLE NAME	COMPUTER NAME	EXPLANATION
Xe	XE	Xenon nucleus
Cs	CS	Cesium nucleus
Ba	BA	Barium nucleus
$^{139}\text{La}_s$	LA139/S	Lanthanum-139 hypernucleus with strangeness = -1
La	LA	Lanthanum nucleus
Ce	CE	Cerium nucleus
Pr	PR	Praseodymium nucleus
Nd	ND	Neodymium nucleus
Pm	PM	Promethium nucleus
Sm	SM	Samarium nucleus
Eu	EU	Europium nucleus
Gd	GD	Gadolinium nucleus
Tb	TB	Terbium nucleus
Dy	DY	Dysprosium nucleus
Ho	HO	Holmium nucleus
Er	ER	Erbium nucleus
Tm	TM	Thulium nucleus
Yb	YB	Ytterbium nucleus
Lu	LU	Lutetium nucleus
Hf	HF	Hafnium nucleus
Ta	TA	Tantalum nucleus
Wt	WT	Tungsten nucleus - note name is not same as chemical symbol
Re	RE	Rhenium nucleus
Os	OS	Osmium nucleus
Ir	IR	Iridium nucleus
Pt	PT	Platinum nucleus
Au	AU	Gold nucleus
Hg	HG	Mercury nucleus
Tl	TL	Thallium nucleus
Pb	PB	Lead nucleus
$^{208}\text{Pb}_s$	PB208/S	Lead-208 hypernucleus with strangeness = -1
Bi	BI	Bismuth nucleus
Bi_s	BI/S	Bismuth hypernucleus
Po	PO	Polonium nucleus
At	AST	Astatine nucleus - note name is not same as chemical symbol
Rn	RN	Radon nucleus
Fr	FR	Francium nucleus
Ra	RA	Radium nucleus
Ac	AC	Actinium nucleus
Th	TH	Thorium nucleus
Pa	PA	Protactinium nucleus
U	U	Uranium nucleus
Np	NP	Neptunium nucleus
Pu	PU	Plutonium nucleus
Cm	CM	Curium nucleus
supernucleus	SUPERNUCLEUS	Super heavy nucleus

GLOBAL ATTRIBUTES OF INCLUSIVE REACTIONS

X	X	For use in inclusive reactions. Also for total cross-section data, as in $K^-p \rightarrow X$
inelastic	INELASTIC	Same as X except elastic excluded
annihil	ANNIHIL	Pure annihilation final state in nucleon-antinucleon scattering

ATTRIBUTES OF SEMIINCLUSIVE REACTIONS

(neutrals)	(NEUTRALS)	Zero or more neutral particles
(charged _s)	(CHARGEDS)	Zero or more charged particles plus possible neutrals
(charged ⁺ _s)	(CHARGED+S)	Zero or more positive charged particles plus possible neutrals
(charged ⁻ _s)	(CHARGED-S)	Zero or more negative charged particles plus possible neutrals
(vees)	(VEES)	Zero or more unspecified neutral strange particle decays
(γ 's)	(GAMMAS)	Zero or more γ 's
(gluons)	(GLUONS)	
(leptons)	(LEPTONS)	Zero or more unspecified leptons
(ν 's)	(NUS)	Zero or more unspecified neutrinos
(e^{\pm} 's)	(E+-S)	Zero or more electrons or positrons
(e^- 's)	(E-S)	Zero or more electrons
(e^+ 's)	(E+S)	Zero or more positrons
(μ^{\pm} 's)	(MU+-S)	Zero or more muons
(jets)	(JETS)	Zero or more jets
(hadrons)	(HADRONS)	Zero or more hadrons
(hadron ⁰ 's)	(HADRONOS)	Zero or more hadrons
(charged-hadrons)	(CHARGED-HADRONS)	Zero or more charged hadrons
(mesons)	(MESONS)	Zero or more mesons
(charged-mesons)	(CHARGED-MESONS)	Zero or more charged mesons
(π 's)	(PIONS)	Zero or more pions
(π^{\pm} 's)	(PI+-S)	Zero or more π^{\pm} 's
(π^+ 's)	(PI+S)	Zero or more π^+ 's

(π^0 's)

mult[K*(892)+]

PARTICLE NAME	COMPUTER NAME	EXPLANATION
(π^0 's)	(PIOS)	Zero or more π^0 's
(π^- 's)	(PI-S)	Zero or more π^- 's
(η 's)	(ETAS)	
(ρ^+ 's)	(RHO+S)	Zero or more ρ^+ 's
(ρ^0 's)	(RHOOS)	Zero or more ρ^0 's
(ρ^- 's)	(RHO-S)	Zero or more ρ^- 's
(stranges)	(STRANGES)	Zero or more unspecified strange particles
(kaons)	(KAONS)	Zero or more unspecified kaons
(K^\pm 's)	(K+-S)	Zero or more K^\pm 's
(K_S 's)	(KSS)	Zero or more K_S 's
(D(unspec)'s)	(D(UNSPEC)S)	Zero or more unspecified charmed nonstrange mesons
(nucleons)	(NUCLEONS)	Zero or more unspecified nucleons
(p's)	(PROTONS)	Zero or more protons
(n's)	(NS)	Zero or more neutrons
(Λ 's)	(LAMBDA S)	Zero or more Λ 's
(He's)	(HES)	Zero or more He nuclei
(frags)	(FRAGS)	Zero or more nuclear fragments
(fragbs)	(FRAGBS)	Zero or more beam fragments
(fragts)	(FRAGTS)	Zero or more target fragments
(showers)	(SHOWERS)	
(greys)	(GREYS)	Zero or more grey tracks, usually in emulsions
(htracks)	(HTRACKS)	Zero or more heavy tracks, usually in emulsions
(blacks)	(BLACKS)	Zero or more black tracks, usually in emulsions

ATTRIBUTES OF TOPOLOGICAL REACTIONS

mult[charged]	MULT(CHARGED)	Multiplicity distribution for unspecified charged particle
mult[charged ⁺⁺]	MULT(CHARGED++)	Multiplicity distribution for unspecified double charged positive particle
mult[charged ⁺]	MULT(CHARGED+)	Multiplicity distribution for unspecified positive particle
mult[charged ⁻]	MULT(CHARGED-)	Multiplicity distribution for unspecified negative particle
mult[neutral]	MULT(NEUTRAL)	Multiplicity distribution for unspecified neutral particle
mult[vee]	MULT(VEE)	Multiplicity distribution for strange visible neutral vee (not γ conversions)
mult[γ]	MULT(GAMMA)	Multiplicity distribution for γ
mult[lepton]	MULT(LEPTON)	Multiplicity distribution for unspecified lepton
mult[ν]	MULT(NU)	Multiplicity distribution for unspecified ν
mult[e [±]]	MULT(E+-)	Multiplicity distribution for positron or electron
mult[e ⁻]	MULT(E-)	Multiplicity distribution for electron
mult[e ⁺]	MULT(E+)	Multiplicity distribution for positron
mult[μ^-]	MULT(MU-)	Multiplicity distribution for μ^-
mult[μ^+]	MULT(MU+)	Multiplicity distribution for μ^+
mult[μ]	MULT(MUON)	Multiplicity distribution for muon of unspecified charge
mult[jet]	MULT(JET)	Multiplicity distribution for jet
mult[hadron]	MULT(HADRON)	Multiplicity distribution for unspecified hadron
mult[charged-hadron]	MULT(CHARGED-HADRON)	Multiplicity distribution for unspecified charged hadron
mult[hadron ⁺]	MULT(HADRON+)	Multiplicity distribution for unspecified positive hadron
mult[hadron ⁰]	MULT(HADRONO)	Multiplicity distribution for unspecified neutral hadron
mult[hadron ⁻]	MULT(HADRON-)	Multiplicity distribution for unspecified negative hadron
mult[meson]	MULT(MESON)	Multiplicity distribution for unspecified meson
mult[charged-meson]	MULT(CHARGED-MESON)	Multiplicity distribution for unspecified charged meson
mult[π]	MULT(PION)	Multiplicity distribution for pion of unspecified charge
mult[π^\pm]	MULT(PI+-)	Multiplicity distribution for π^+ or π^-
mult[π^+]	MULT(PI+)	Multiplicity distribution for π^+
mult[π^0]	MULT(PIO)	Multiplicity distribution for π^0
mult[π^-]	MULT(PI-)	Multiplicity distribution for π^-
mult[η]	MULT(ETA)	Multiplicity distribution for $\eta(549)$
mult[ρ]	MULT(RHO)	Multiplicity distribution for $\rho(770)$
mult[ρ^+]	MULT(RHO+)	Multiplicity distribution for $\rho(770)^+$
mult[ρ^0]	MULT(RHO0)	Multiplicity distribution for $\rho(770)^0$
mult[ρ^-]	MULT(RHO-)	Multiplicity distribution for $\rho(770)^-$
mult[ω]	MULT(OMEGA)	Multiplicity distribution for $\omega(783)$
mult[f ₂ (1270)]	MULT(F2(1270))	Multiplicity distribution for f ₂ (1270)
mult[$\rho_3(1690)^0$]	MULT(RHO3(1690)0)	Multiplicity distribution for $\rho_3(1690)^0$
mult[<i>strange</i>]	MULT(STRANGE)	Multiplicity distribution for unspecified strange particle
mult[kaon]	MULT(KAON)	Multiplicity distribution for kaon of unspecified charge
mult[K [±]]	MULT(K+-)	Multiplicity distribution for K^+ or K^-
mult[K ⁺]	MULT(K+)	Multiplicity distribution for K^+
mult[K ⁰]	MULT(KO)	Multiplicity distribution for K^0
mult[K _L]	MULT(KL)	Multiplicity distribution for K_L
mult[K _S]	MULT(KS)	Multiplicity distribution for K_S
mult[\bar{K}^0]	MULT(KBARO)	Multiplicity distribution for \bar{K}^0
mult[K ⁻]	MULT(K-)	Multiplicity distribution for K^-
mult[K*(892) ⁺]	MULT(K*(892)+)	Multiplicity distribution for $K^*(892)^+$

mult[K*(892)⁰]

0π

PARTICLE NAME	COMPUTER NAME	EXPLANATION
mult[K*(892) ⁰]	MULT(K*(892)0)	Multiplicity distribution for K*(892) ⁰
mult[K*(892) ⁰]	MULT(K*BAR(892)0)	Multiplicity distribution for K*(892) ⁰
mult[K*(892) ⁻]	MULT(K*(892)-)	Multiplicity distribution for K*(892) ⁻
mult[K ₂ ⁺ (1430) ⁺]	MULT(K2*(1430)+)	Multiplicity distribution for K ₂ ⁺ (1430) ⁺
mult[K ₂ ⁰ (1430) ⁰]	MULT(K2*(1430)0)	Multiplicity distribution for K ₂ ⁰ (1430) ⁰
mult[K ₂ ⁺ (1430) ⁰]	MULT(K2*BAR(1430)0)	Multiplicity distribution for K ₂ ⁺ (1430) ⁰
mult[K ₂ ⁺ (1430) ⁻]	MULT(K2*(1430)-)	Multiplicity distribution for K ₂ ⁺ (1430) ⁻
mult[φ]	MULT(PHI)	Multiplicity distribution for φ(1020)
mult[D [±]]	MULT(D+-)	Multiplicity distribution for D ⁺ or D ⁻
mult[D(unspec)]	MULT(D(UNSPEC))	Multiplicity distribution for unspecified charmed nonstrange meson
mult[p [±]]	MULT(P+-)	Multiplicity distribution for proton or antiproton
mult[nucleon]	MULT(NUCLEON)	Multiplicity distribution for unspecified nucleon
mult[p]	MULT(P)	Multiplicity distribution for proton
mult[n]	MULT(N)	Multiplicity distribution for neutron
mult[n̄]	MULT(NBAR)	Multiplicity distribution for antineutron
mult[p̄]	MULT(PBAR)	Multiplicity distribution for antiproton
mult[Δ ⁺⁺]	MULT(DELTA++)	Multiplicity distribution for Δ(1232 P ₃₃) ⁺⁺
mult[Δ ⁺]	MULT(DELTA+)	Multiplicity distribution for Δ(1232 P ₃₃) ⁺
mult[Δ ⁰]	MULT(DELTA0)	Multiplicity distribution for Δ(1232 P ₃₃) ⁰
mult[Δ ⁻]	MULT(DELTA-)	Multiplicity distribution for Δ(1232 P ₃₃) ⁻
mult[Δ ⁺]	MULT(DELTA BAR+)	Multiplicity distribution for Δ̄(1232 P ₃₃) ⁺
mult[Δ ⁰]	MULT(DELTA BAR0)	Multiplicity distribution for Δ̄(1232 P ₃₃) ⁰
mult[Δ ⁻]	MULT(DELTA BAR-)	Multiplicity distribution for Δ̄(1232 P ₃₃) ⁻
mult[Δ ^{- -}]	MULT(DELTA BAR--)	Multiplicity distribution for Δ̄(1232 P ₃₃) ^{- -}
mult[Λ]	MULT(LAMBDA)	Multiplicity distribution for Λ
mult[Λ̄]	MULT(LAMBDA BAR)	Multiplicity distribution for Λ̄
mult[Σ ⁺]	MULT(SIGMA+)	Multiplicity distribution for Σ ⁺
mult[Σ ⁰]	MULT(SIGMA0)	Multiplicity distribution for Σ ⁰
mult[Σ ⁻]	MULT(SIGMA-)	Multiplicity distribution for Σ ⁻
mult[Σ ⁺]	MULT(SIGMA BAR+)	Multiplicity distribution for Σ̄ ⁺
mult[Σ ⁰]	MULT(SIGMA BAR0)	Multiplicity distribution for Σ̄ ⁰
mult[Σ ⁻]	MULT(SIGMA BAR-)	Multiplicity distribution for Σ̄ ⁻
mult[Σ(1385) ⁺]	MULT(SIGMA(1385)+)	Multiplicity distribution for Σ(1385 P ₁₃) ⁺
mult[Σ(1385) ⁻]	MULT(SIGMA(1385)-)	Multiplicity distribution for Σ(1385 P ₁₃) ⁻
mult[Ξ ⁻]	MULT(XI-)	Multiplicity distribution for Ξ ⁻
mult[Ξ ⁺]	MULT(XI BAR+)	Multiplicity distribution for Ξ̄ ⁺
mult[deuteron]	MULT(DEUTERON)	Multiplicity distribution for deuteron
mult[triton]	MULT(TRIT)	Multiplicity distribution for triton
mult[He]	MULT(HE)	Multiplicity distribution for helium nucleus
mult[⁴ He]	MULT(HE4)	Multiplicity distribution for ⁴ He nucleus
mult[frag]	MULT(FRAG)	Multiplicity distribution for nuclear fragment
mult[fragb]	MULT(FRAGB)	Multiplicity distribution for beam fragment
mult[fragt]	MULT(FRAGT)	Multiplicity distribution for target fragment
mult[star]	MULT(STAR)	Multiplicity distribution for star
mult[shower]	MULT(SHOWER)	Multiplicity distribution for shower track
mult[grey]	MULT(GREY)	Multiplicity distribution for grey track
mult[htrack]	MULT(HTRACK)	Multiplicity distribution for heavy tracks (black or grey) in emulsion
mult[black]	MULT(BLACK)	Multiplicity distribution for black track
mult[heavy]	MULT(HEAVY)	Multiplicity distribution for black track

QUALIFIERS DESCRIBING ABSENCE OF PARTICLE IN THE FINAL STATE

0 charged	OCHARGED	Exactly zero charged particles
0 charged ⁺	OCHARGED+	Exactly zero positive particles
0 charged ⁻	OCHARGED-	Exactly zero negative particles
0 charged-hadron	OCHARGED-HADRON	Exactly zero charged hadrons
0 jet	OJET	Exactly zero jets
0 vee	OVEE	Exactly zero neutral strange particle decays
0 γ	OGAMMA	Exactly zero γ's
0 lepton	OLEPTON	Exactly zero leptons
0 ν _e	ONUE	Exactly zero ν _e 's
0 e [±]	OE+-	Exactly zero electrons and positrons
0 e ⁻	OE-	Exactly zero electrons
0 e ⁺	OE+	Exactly zero positrons
0 ν _e	ONUEBAR	Exactly zero ν̄ _e 's
0 ν _μ	ONUMU	Exactly zero ν _μ 's
0 μ [±]	OMU+-	Exactly zero muons
0 μ ⁻	OMU-	Exactly zero μ ⁻ 's
0 μ ⁺	OMU+	Exactly zero μ ⁺ 's
0 ν _μ	ONUMUBAR	Exactly zero ν̄ _μ 's
0 π	OPI	Exactly zero pions

$0\pi^\pm$

$\bar{K}N(1700)^0$

PARTICLE NAME	COMPUTER NAME	EXPLANATION
$0\pi^\pm$	OPI+-	Exactly zero π^+ 's and π^- 's
$0\pi^+$	OPI+	Exactly zero π^+ 's
$0\pi^0$	OPIO	Exactly zero π^0 's
$0\pi^-$	OPI-	Exactly zero π^- 's
0 strange	OSTRANGE	Exactly zero strange particles
$0K_S$	OKS	Exactly zero K_S 's
$0K_0$	OKO	Exactly zero K_0 's
0 p	OP	Exactly zero protons
0 n	ON	Exactly zero neutrons
0Λ	OLAMBDA	Exactly zero Λ 's
$0\bar{\Lambda}$	OLAMBDA BAR	Exactly zero $\bar{\Lambda}$'s
0 charm	OCHARM	
0 bottom	OBOTTOM	
0 fragb	OFRAGB	Exactly zero number of particles with naked beauty
0 shower	OShower	Exactly zero beam fragments
0 grey	OGREY	Exactly zero showers
0 htrack	OHTRACK	Exactly zero grey tracks in an emulsion
0 He	OHE	Exactly zero heavy tracks
		Exactly zero helium nucleus

QUALIFIERS OF PARTICLE GROUP IN A FINAL STATE

nonres	NONRES	Unspecified nonresonant state
cc	CC	Charge conjugate final state
DD	DD	Unspecified diffraction dissociation final state

MISCELLANEOUS TERMS

unlinked	UNLINKED	Pseudo-particle used as a complete reaction by itself
crystal	CRYSTAL	General target for channeling expts - target is not individual particles
$(\pi\pi)_{L=0}$	PIPI(L=0)	$\pi\pi$ S-wave state
$(\pi\pi)_{I=0}$	PIPI(I=0)	$\pi\pi$ I = 0 state
$(\pi\pi)_{I=1}$	PIPI(I=1)	$\pi\pi$ I = 1 state
$(\pi\pi)_{I=2}$	PIPI(I=2)	$\pi\pi$ I = 2 state
$(K^*\pi)_{L=0}$	KK(L=0)	
$(K^*\pi)_{I=1/2}$	K*PI(I=1/2)	$K^*\pi$ I = 1/2 state
$(K^*\pi)_{I=3/2}$	K*PI(I=3/2)	$K^*\pi$ I = 3/2 state
$(K\pi)_{I=1/2}$	KPI(I=1/2)	$K\pi$ I = 1/2 state
$(K\pi)_{I=3/2}$	KPI(I=3/2)	$K\pi$ I = 3/2 state
$(KN)_{I=0}$	KN(I=0)	Kn I = 0 initial state (and elastic final state)
$(KN)_{I=1}$	KN(I=1)	Kn I = 1 initial state (and elastic final state)
$(\pi\Lambda)_{I=1}$	PILAMBDA(I=1)	$\pi\Lambda$ I = 1 system of unspecified mass, for PWA
$(\pi\Sigma)_{I=0}$	PISIGMA(I=0)	$\pi\Sigma$ I = 0 system of unspecified mass, for PWA
$(\pi\Sigma)_{I=1}$	PISIGMA(I=1)	$\pi\Sigma$ I = 1 system of unspecified mass, for PWA
$(\pi N)_{I=1/2}$	PIN(I=1/2)	πN I = 1/2 initial state (and elastic final state)
$(\pi N)_{I=3/2}$	PIN(I=3/2)	πN I = 3/2 initial state (and elastic final state)
$N\rho(I=1/2)$	NRHO(I=1/2)	$N\rho$ I = 1/2 final state
$N\rho(I=3/2)$	NRHO(I=3/2)	$N\rho$ I = 3/2 final state
$(N\pi\pi)_{I=1/2}$	NEPSILON(I=1/2)	Nucleon and S-wave dipion I=1/2 final state
$(\pi\Delta)_{I=1/2}$	PIDELTA(I=1/2)	$\pi\Delta$ I = 1/2 final state
$(\pi\Delta)_{I=3/2}$	PIDELTA(I=3/2)	$\pi\Delta$ I = 3/2 final state
$(K\Sigma)_{I=1/2}$	KSIGMA(I=1/2)	$K\Sigma$ I = 3/2 state
$(K\Sigma)_{I=3/2}$	KSIGMA(I=3/2)	$K\Sigma$ I = 3/2 state
$NN(I=0)$	NN(I=0)	NN I = 0 initial state (and elastic final state)
$NN(I=1)$	NN(I=1)	NN I = 1 initial state (and elastic final state)

MISCLASSIFIED OR DEAD PARTICLES

$f_0(995)$	F0(995)	S-wave $\pi^0\pi^0$ enhancement
$\Upsilon(5970)$	UPSI(5970)	Early reported Υ to e^+e^-
$\bar{K}N(1700)^0$	KNBAR(1700)0	Possible $K\omega$ state

Our names for accelerators are collected below. Usually the name is simply an abbreviation of the name of the institution at which the accelerator is located. Where there is more than one accelerator at an institution, an appropriate modifier is appended, as in CERN-SPS.

For a cosmic ray experiment, we use COSM as the accelerator name, sometimes combined with a specification of the source of the rays.

We use NONE for certain cases, such as proton decay experiments, in which no particle beam is used. We use MANY for certain rapporteur talks or other papers surveying a number of experiments at several (often unspecified) accelerators.

Energies listed are the approximate maximum energies of the circulating beams.

ACCELERATOR	EXPLANATION
ANIK-MEA	MEA e^- linac at NIKHEF
ANL	Argonne (ZGS) proton synchrotron (12.7 GeV/c p_{lab})
ANL-ATLAS	Superconducting linear accelerator at the Argonne National Laboratory
BHEP-BEPC	Beijing electron-positron colliding ring (5.6 GeV E_{cm})
BNL	Brookhaven (AGS) proton synchrotron (33 GeV/c p_{lab})
BNL-ION	Heavy ion accelerator at BNL
BONN	Bonn electron synchrotron (2.5 GeV/c p_{lab})
BONN-500	Bonn electron synchrotron (500 MeV/c p_{lab})
BONN-ELSA	Electron-Stretcher-Accelerator (2-3.5 GeV/c p_{lab})
CELSIUS	Storage ring at the Svedberg Laboratory in Uppsala
CERN-ISR	CERN proton-proton collider (62 GeV E_{cm})
CERN-LEAR	CERN low-energy antiproton ring
CERN-LEP	CERN large electron-positron collider (120 GeV E_{cm})
CERN-PBAR/P	CERN $\bar{p}p$ collider (540 GeV E_{cm})
CERN-PS	CERN proton synchrotron (28 GeV/c p_{lab})
CERN-SC	CERN synchrocyclotron (600 MeV T_{lab})
CERN-SPS	CERN super proton synchrotron (450 GeV/c p_{lab})
CESR	Cornell electron-positron storage ring (12 GeV E_{cm})
COSM	Cosmic rays
COSM-CYGNUS-X-3	Local source of cosmic ray particles from direction of Cygnus X-3
COSM-HERCULES-X-1	Local source of cosmic ray particles from direction of Hercules X-1
COSM-LMC-X-4	Local source of cosmic ray particles from direction of LMC-X-4
COSM-PULSAR	Pulsar cosmic object
COSM-SN1987A	Local source of cosmic ray particles from direction of SN 1987A
COSM-SUN	Local source of cosmic ray particles from direction of the Sun
DARE-NINA	Daresbury electron synchrotron (5.2 GeV/c p_{lab})
DARM-LINAC	Darmstadt 65 MeV/c p_{lab} linac
DESY	Hamburg Deutches Electron Synchrotron (7.5 GeV/c p_{lab})
DESY-DORIS	DESY DOppeL RIng Speicher (2-6 GeV E_{cm})
DESY-DORIS-II	DESY-DORIS upgraded in 1977 (11.2 GeV E_{cm})
DESY-HERA	$e-p$ machine at DESY
DESY-PETRA	DESY electron-positron collider (40 GeV E_{cm})
DGSI	Darmstadt heavy ion facility (SIS/ESR)
DGSI-UNILAC	Heavy ion accelerator at GSI
ELECTROSTATIC	General electrostatic accelerator
FNAL	FNAL proton synchrotron (500 GeV/c p_{lab})
FNAL-AA	Antiproton accumulator for collider
FNAL-COLLIDER	FNAL $\bar{p}p$ collider (2000 GeV E_{cm})
FNAL-TEV	FNAL fixed target machine (1000 GeV/c p_{lab})
FRAS-ADONE	Frascati electron-positron ring (3 GeV E_{cm})
GANIL	Two coupled isochronous cyclotrons for heavy ions
GIES-LINAC	65 MeV electron linear accelerator of the Giessen University
GRON-CYC	KVI Cyclotron at Groningen
ILL	University of Illinois electron synchrotron (300 MeV/c p_{lab})
IMPL-HIREL	Heavy Ion REsearch facility
IND-CYC	Indiana University cyclotron facility
ISTU-PELLETRON	Stuttgart pelletron
Itep	Itep Moscow proton synchrotron (7 GeV/c p_{lab})
JINR	JINR Dubna proton synchrotron (10 GeV/c p_{lab})
JINR-600	JINR Dubna synchrocyclotron (600 MeV T_{lab})
KEK-KENS	KEK Spallation Neutron Source
KEK-PF-LINAC	KEK Photon Factory, storage ring using 2.5 GeV electron beam from the injector LINAC
KEK-PS	KEK proton synchrotron (12 GeV/c p_{lab})
KEK-TRISTAN	KEK electron-positron collider (64 GeV E_{cm})
KFAJ-CYC	Cyclotron at Institute of nuclear physics of KFA, Julich, FRG
KHAR	Electron linear accelerator (2 GeV/c p_{lab}) at Kharkov Physico-Technical Inst., Ukr. Acad. Sci.
KYUS-TAF	Tandem accelerator facility of the Kyushu University
LAMPF	Los Alamos meson/proton factory
LASER	Laser as a source of γ 's
LBL	Lawrence Berkeley Lab (Bevatron) proton synchrotron (6.2 GeV/c p_{lab})
LBL-BEVALAC	Tandem combination of LBL-HILAC and Bevatron. Accelerates ions upto Fe (2.1 GeV/nucleon for charge/mass = 0.5, 4.9 for protons)
LBL-CYC-88IN	The LBL 88 inch cyclotron (160 MeV for alphas)
LEBD-650	Lebedev Physics Inst. synchrotron (650 MeV/c p_{lab})
LEGS	Laser Electron Gamma Source at BNL.
LINAC	Unspecified linac
LUND	Electron synchrotron at Lund (1.1 GeV/c p_{lab})
LVLN-CYC	Isochronous cyclotron at University of Louvain
MANI-CYC	University of Manitoba cyclotron
MANY	Used (rarely) for reviews and compilations
MANZ-LINAC	Electron LINAC at Mainz (300 MeV/c p_{lab})
MANZ-MAMI	Mainz electron Microtron on the energy up to 855 MeV and 100 microamps current
MINR-MMF	Moscow Meson Factory, proton and H- ion accelerator with the energy of 600 MeV
MIT-BLA	MIT electron LINAC (780 MeV E_{lab})
MSU-CYC	Michigan State Univ. superconducting cyclotron to 40 MeV
MUSL-2	
NONE	No accelerator used
NOVO-VEPP-2M	Electron-positron storage ring at Novosibirsk (1.4 GeV E_{cm})
NOVO-VEPP-3	Novosibirsk (VEPP-3) electron-positron storage ring, used primarily as synchrotron radiation source, will be used as intermediate storage for VEPP-4 (2.2 GeV E_{cm})

NOVO-VEPP-4

ACCELERATOR	EXPLANATION
NOVO-VEPP-4	Electron-positron ring at Novosibirsk, also a synchrotron radiation source (7-10.4 GeV E_{cm})
OHIO-RBF	Notre Dame-Michigan-Ohio state radiative beam facility
ORNL-ORELA	Oak Ridge Electron Linear Accelerator pulsed neutron source
ORSA-CYC	Orsay synchrocyclotron (150 MeV/c p_{lab})
ORSA-DCI	Orsay electron-positron storage ring (3.4 GeV E_{cm})
OSAK-CYC	230 cm AVF cyclotron
PIYF	Peterburg Inst. of Nucl. Phys. synchrocyclotron (1 GeV T_{lab})
PPA	Princeton-pennsylvania (PPA) proton synchrotron (3 GeV/c p_{lab})
PRIN-CYC	Princeton cyclotron
PSI	Isochronous cyclotron (590 MeV T_{lab}) at PSI
REACTOR	General nuclear reactor
RHEL-ISIS	Pulsed neutron source at RAL (1-1000 MeV T_{lab})
ROCH-TANDEM	Tandem Electrostatic accelerator at Univ. of Rochester's Nuclear Structure Research Laboratory
SAAC-CYC	National Accelerator Center Cyclotron, South Africa
SACL	Saclay (Saturne) proton synchrotron (3 GeV/c p_{lab})
SACL-LINAC	Saclay electron LINAC
SACL-SATURNE-II	Saclay proton, deuteron, nucleus accelerator (2.95 GeV T_{lab} for protons)
SAIP-RIKEN	Ring cyclotron at Saitama Inst. of Phys. and Chem. Res.
SARA	Coupled cyclotron accelerator system in CEN, Grenoble
SASK-LINAC	LINAC at University of Saskatewan
SERP	IHEP Serpukhov proton synchrotron (76 GeV/c p_{lab})
SLAC	Stanford electron linear accelerator (40 GeV/c p_{lab})
SLAC-NPI	Stanford nuclear physics injector
SLAC-PEP	Stanford electron-positron ring (30 GeV E_{cm})
SLAC-SLC	Stanford linear electron-positron collider (100 GeV E_{cm})
SLAC-SPEAR	Stanford electron-positron ring (8.4 GeV E_{cm})
SOURCE	Generic name for radioactive source used for particle physics experiments
TAIU-CYC	
TAMU-CYC	Texas A&M university cyclotron
TOHO	Low energy electron linear accelerator at Tohoku University
TOKY	INS Tokyo electron synchrotron (1.3 GeV/c p_{lab})
TRID	Triangle Universities Nuclear Laboratory accelerator
TRIUMF	Canadian TRIangle University Meson Facility (520 MeV T_{lab})
UUPP-CYC	Uppsala cyclotron
VAN-DE-GRAAFF	General Van-de-Graaff accelerator
WISC	U. Wisconsin electrostatic (2.5 MeV/c p_{lab})
YERE-ARUS	Yerevan (ARUS) electron synchrotron (6.1 GeV/c p_{lab})

We list here detectors and the laboratories at which they are used.

Bubble chamber detector names give the fill — hydrogen (HBC), deuterium (DBC), helium (HEBC) or heavy liquid (HLBC) — then the chamber name (which is usually simply its size), and finally any qualifiers. The qualifiers are HYB for a predominantly hybrid mode of operation, RAP for a rapid-cycling chamber, and TST for a chamber containing a track-sensitive target. When more than one qualifier is appropriate, we use the one most important to the data at hand.

2-GAMMA

DETECTOR	ACCELERATOR	EXPLANATION
2-GAMMA	SLAC-PEP	System of forward detectors for studying mainly the 2- γ process
20-GEV	SLAC	Spectrometer
2BETA-GS	UNDERGROUND	Underground experiment on double β decay at the Gran Sasso National Laboratory, L'Aquila, Italy
8-GEV	SLAC	8-GeV spectrometer
?		Unknown detector
ACCMOR	CERN-SPS	Large aperture forward magnetic spectrometer
AFS	CERN-ISR	Axial field spectrometer
AGASA	COSM	Akeno Giant Air Shower Array
AHEAD	MIT-BLA	Alberta high efficiency analyzer for deuterons
ALADIN	DGSI	Forward spectrometer
ALEPH	CERN-LEP	LEP detector
ALPHA-POLIS	JINR	
AMADEUS	BONN-ELSA	Scintillation detector in the PHOENICS area at BONN-ELSA
AMPHORA	SARA	
AMS		Accelerator Mass Spectrometry
AMY	KEK-TRISTAN	High resolution lepton detector
AMY-1.5	KEK-TRISTAN	Upgraded AMY detector with improved coverage in the forward-backward angular regions
ANI	COSM	Complex of detectors on Aragatz mountain
APEX	ANL-ATLAS	ATLAS positron experiment
APPLE	CERN-LEAR	Apparatus for precision measurements of the proton electromagnetic form factors in the time-like region and vector meson spectroscopy.
ARGUS	DESY-DORIS	
ASTERIX	CERN-LEAR	Antiproton stop experiment with trigger on initial x rays
BAKSAN	UNDERGROUND	
BBR	COSM	Cosmic-ray facility at the Black Birch Range in New Zealand
BENKEI	KEK-PS	
BES	BHEP-BEPC	BEijing Spectrometer
BESS	COSM	Balloon Borne Experiment with a Superconducting Spectrometer
BIS-2	SERP	Upgrade of BIS
BNL-SND	UNDERGROUND	Homestake gold mine Brookhaven solar neutrino detector at Lead, South Dakota
BOREXINO	UNDERGROUND	Scintillator detector at Grand Sasso
CALO		Calorimeter
CASA-MIA	COSM	Chicago Air Shower Array with Michigan Muon Array
CCM	FNAL-TEV	Chicago cyclotron magnet spectrometer
CCS	FNAL	Chicago cyclotron spectrometer at Fermilab
CDF	FNAL-COLLIDER	Collider detector at Fermilab
CDHS	CERN-SPS	CERN-Dortmund-Heidelberg-Saclay-Bologna neutrino detector at SPS (135 tons)
CELLO	DESY-PETRA	Spectrometer system
CERES	CERN-SPS	CERN Ring Electron Spectrometer
CERN-MUNICH	CERN-PS	CERN-Max Planck I (Munich) spectrometer
CHAOS	TRIUMF	
CHARGEX	TRIUMF	
CHARM	CERN-SPS	CERN-Hamburg-Amsterdam-Rome-Moscow neutrino detector
CHARM-II	CERN-SPS	Upgraded charm detector
CITF	FNAL	CIT-FNAL neutrino event spectrometer
CLEO	CESR	Solenoidal magnetic spectrometer
CLEO-II	CESR	Upgraded CLEO detector
CMD-2	NOVO-VEPP-2M	Cryogenic magnetic detector, 1.5 T solenoid, CsI and BGO calorimeters
CNTR		Counters (no chambers)
COMB		Combinations of different types of detectors. Can include a hybrid system involving a bubble chamber, if the bubble chamber is a minor part of the system
CORD	ITEP	CORrelations Detector
CPLEAR	CERN-LEAR	Apparatus for precision measurements of CP-violation and CPT tests with $K^0\bar{K}^0$
CRYS-BALL	SLAC-SPEAR	Crystal Ball detector
CRYS-BARREL	CERN-LEAR	Crystal Barrel large-solid-angle detector
CRYS-BOX	LAMPF	Crystal array detector
CUSB	CESR	High resolution calorimeter
CUSB-II	CESR	Upgraded CUSB detector
D0	FNAL-COLLIDER	FNAL collider detector
DAS		Double arm spectrometer
DBC-12FT	ANL	Deuterium bubble chamber
DBC-30IN	ANL	Deuterium bubble chamber
DBC-30IN	BNL	Deuterium bubble chamber
DBC-30IN	LBL	Deuterium bubble chamber
DBC-30IN	FNAL	Deuterium bubble chamber
DBC-35CM	SACL	Deuterium bubble chamber
DBC-81CM	SACL	Deuterium bubble chamber
DBC-BEBC	CERN-PS	Deuterium bubble chamber
DBC-BEBC-HYB	CERN-SPS	BEBC HYBRid system with deuterium fill
DBC-LUDMILA	SERP	Also known as DUBNA chamber but at SERP
DELCO	SLAC-PEP	
DELPHI	CERN-LEP	LEP detector
DEUTRON-2	YERE-ARUS	Modification of DEUTRON detector
DIOGENE	SACL-SATURNE-II	Pictorial drift chamber
DISC	JINR	
DISC-3	JINR	Double-arm magnetic spectrometer
DL5	LBL-BEVALAC	Double arm spectrometer
DM2	ORSA-DCI	Detecteur magnetique no. 2
DRIFT		Generic drift chamber detector

DETECTOR	ACCELERATOR	EXPLANATION
EAS-TOP	COSM	Extended air shower detector on top of the Gran Sasso Mt., at the Gran Sasso National Laboratory, L'Aquila, Italy
EHS	CERN-SPS	European Hybrid Spectrometer
ELAN	BONN-ELSA	
ELEGANTS-V	UNDERGROUND	ELElectron GAMMA-ray NeuTrino Spectrometer V at Kamioka underground laboratory
ELSSY	MIT-BLA	Electron spectrometer system
EMC	CERN-SPS	European muon collaboration
EMRIC	SLAC	
EMUL		Emulsion. Also used for detectors like PLASTIC where tracks are "frozen" in a solid medium
EPICS	LAMPF	Energetic pion spectrometer and detection system
EPOS	DGSI-UNILAC	Electron-positron solenoid spectrometer
FANCY	KEK-PS	Forward and cylindrical detector system, large acceptance spectrometer covering both projectile and target regions
FENICE	FRAS-ADONE	Non-magnetic detector
FGJT	FNAL	FERMILAB Gas Jet Target
FHS-2	ITEP	Second arm of FHS-1
FLYSEYE	COSM	FLY'S EYE cosmic ray detector
FMP5	FNAL	Multiparticle spectrometer at Fermilab
FOCUS	ITEP	FORward particle and CUmulative particle Spectrometer
FODS	SERP	Double-arm spectrometer
FOP1	DGSI	Detector for an identification of charged particles ($Z \leq 15$). High granularity time-of-flight wall (764 scintillators) and an inner shell of thin energy-loss detectors (188 elements)
PREJUS	UNDERGROUND	Proton decay experiment, tracking calorimeter in the Alps
GALLEX	UNDERGROUND	Solar neutrino detector in hall A of the Gran Sasso National Laboratory, L'Aquila, Italy. Uses 30 tons of Gallium in the form of $GaCl_3$
GAMS-2000	SERP	Hodoscope gamma-spectrometer
GAMS-4000	CERN-SPS	Hodoscope gamma-spectrometer
GIBS	JINR	Combination of scintillator counters and streamer chamber
GOLIATH	CERN-SPS	
H1	DESY-HERA	
HBC-1M	KEK-PS	Hydrogen bubble chamber
HBC-1M	JINR	Hydrogen bubble chamber
HBC-2M	ITEP	Hydrogen bubble chamber
HBC-2M	CERN-PS	Hydrogen bubble chamber
HBC-30IN	ANL	Hydrogen bubble chamber
HBC-30IN	LBL	Hydrogen bubble chamber
HBC-30IN	BNL	Hydrogen bubble chamber
HBC-30IN	FNAL	Hydrogen bubble chamber
HBC-30IN-HYB	FNAL	Hydrogen bubble chamber
HBC-40IN-HYB	RHEL	Hydrogen bubble chamber
HBC-40IN-HYB	SLAC	SLAC hybrid facility rapid cycling HBC (retired)
HBC-50CM	JINR	Hydrogen bubble chamber
HBC-50CM	ITEP	Ceased running around 1975
HBC-BEBC-HYB	CERN-PS	Big European bubble chamber with hybrid system
HBC-LEBC-HYB	CERN-SPS	Little European bubble chamber with hybrid system
HBC-LUDMILA	SERP	Also known as DUBNA chamber, but at Serpukhov
HBC-LUDMILA-TST	SERP	Also known as DUBNA chamber, but at Serpukhov
HBC-MIRA	SERP	4.5m x 1.6m x 1.1m cold chamber
HBC-RCBC	CERN-SPS	
HELIOS	CERN-SPS	
HISS	LBL-BEVALAC	Heavy Ion Spectrometer System
HLBC-15FT	FNAL	Heavy-liquid bubble chamber
HLBC-15FT-HYB	FNAL	Heavy-liquid bubble chamber
HLBC-180LIT	ITEP	Heavy-liquid bubble chamber
HLBC-1M	JINR	Heavy-liquid bubble chamber
HLBC-26LIT	JINR	Heavy-liquid bubble chamber
HLBC-2M	SERP	180-liter propane chamber
HLBC-2M	JINR	180-liter propane chamber built by Dubna
HLBC-30IN	FNAL	Heavy-liquid bubble chamber
HLBC-BEBC	CERN-PS	Heavy-liquid bubble chamber
HLBC-BEBC-HYB	CERN-PS	Heavy-liquid bubble chamber
HLBC-DIANA	ITEP	Heavy-liquid bubble chamber
HLBC-GARGA	CERN-PS	Heavy-liquid bubble chamber
HLBC-SKAT	SERP	4.5m x 1.6m warm chambers
HPW	BNL	Harvard-Penn-Wisconsin neutrino detector at BNL
HPWF		Harvard-Penn-Wisconsin-Fermilab calorimeter-magnetic spectrometer. NEULAND is reincarnated HPWF
HRS	SLAC-PEP	High resolution spectrometer
HRSF	LAMPF	High resolution spectrometer facility
HYBUC	CERN-SPS	Hydrogen bubble chamber at CERN SPS
HYPERON	SERP	Single arm magnetic spectrometer with big spark and proportional chambers and gas hodoscope counter
ICARUS	UNDERGROUND	Underground Experiment on solar neutrinos to be performed in hall C at the Gran Sasso National Laboratory, L'Aquila, Italy. Detector based on a liquid argon drift chamber/calorimeter
IMB	UNDERGROUND	Irvine-Michigan-Brookhaven nucleon decay detector, Ohio
IMB-III	UNDERGROUND	Upgraded IMB detector
IONIZATION		Generic detector looking for ionization
ISTRA-M	SERP	
JADE	DESY-PETRA	
JANUS	LAMPF	Proton polarimeter

JETSET

DETECTOR	ACCELERATOR	EXPLANATION
JETSET	CERN-LEAR	Compact general purpose detector
KAMIOKANDE	UNDERGROUND	Kamioka nucleon decay experiment detector, Japan
KAMIOKANDE-I	UNDERGROUND	Kamioka nucleon decay detector
KAMIOKANDE-II	UNDERGROUND	Kamioka nucleon decay detector, stage-2
KAMIOKANDE-III	UNDERGROUND	Kamioka nucleon decay detector, stage-3
KARMEN	RHEL-ISIS	56-tons liquid scintillator calorimeter
KASPIY	JINR	Channel and π -meson spectrometer with final particle energy up to 1 GeV
KGF	UNDERGROUND	
L3	CERN-LEP	LEP detector
LAB-E	FNAL	1100-tons target-calorimeter muon-spectrometer detector for neutrino physics
LADS	PSI	Large Acceptance Detector System
LAHRS	LAMPF	High resolution proton spectrometer
LAMBDA METER	ITEP	Nonmagnetic spectrometer plus multywire chambers
LAND	DGSI	Large area neutron detector
LAS	LAMPF	
LASS	SLAC	Large aperture solenoid spectrometer
LEPTON-F	SERP	Spectrometer
LISE	GANIL	Magnetic recoil spectrometer
LSD	UNDERGROUND	
LSND	LAMPF	Liquid Scintillator Neutrino detector
LVD	UNDERGROUND	Large volume detector, installed in hall A of the Gran Sasso National Laboratory, L'Aquila, Italy. Using 1600 tons of liquid scintillator and limited streamer tubes
MAC	SLAC-PEP	Magnetic calorimeter
MACRO	UNDERGROUND	Large area detector
MAGIC	CERN-SPS	MAGNETIC Interferometer emulsion Chamber
MANY		Many different detectors
MARK-II	SLAC-SPEAR	
MARK-III	SLAC-SPEAR	SLAC-SPEAR spectrometer system (not related to MARK-II)
MARK-J	DESY-PETRA	
MASPIC	JINR	Magnetic spectrometer
MATSUSHIRO	UNDERGROUND	Matsushiro underground muon laboratory, 220 meter of water equivalent underground in Nagano city, Japan
MD-1	NOVO-VEPP-4	Magnetic detector
MEPS	MIT-BLA	Medium energy pion spectrometer
MICROSTRIP		Generic microstrip detector
MINIBALL	MSU-CYC	
MIS	SERP	Multiparticle spectrometer
MMS	FNAL	Multimuon spectrometer with hadron calorimeter
MPS	BNL	Multiparticle spectrometer
MPS-II	BNL	Updated BNL MPS
MRS	TRIUMF	Medium resolution spectrometer
MTS	ITEP	3-m magnetic spectrometer with spark chambers
MUR-TONNEAU	GANIL	Axially symmetric multi-detector system at GANIL
MUSIC	LBL-BEVALAC	MULTiple-Sampling Ionization Chamber, component of HISS
NEUTRONSPEC		Neutron spectrometer
NEWMASS	CERN-SPS	Detector to look for charged massive object at 0 degree production angle, using H6-beamline in the North Experimental Area as a charged particle spectrometer
NHS	ITEP	Spectrometer without magnetic field
NPOL	OSAK-CYC	Neutron Polarimeter
NUSEX	UNDERGROUND	NUSEX nucleon decay detector, Mont Blanc tunnel
OBELIX	CERN-LEAR	A large acceptance and high resolution detector based on the Open Axial Field Spectrometer to study of \bar{p} and \bar{n} annihilation
OMEGA	CERN-SPS	Spectrometer system
OMEGAPRIME	CERN-SPS	Spectrometer system
OMICRON	CERN-SC	
OPAL	CERN-LEP	LEP detector
OPTICAL ROTATION		Generic detector system to measure the rotation angle of the polarization plane of the laser light.
ORANGE	DGSI-UNILAC	Beta spectrometer
OSPK		Optical spark chamber
OTHER		Rare nonelectronic detectors (e.g. moon, ocean floor)
PERKEO		Solenoidal electron spectrometer
PHOENICS	BONN-ELSA	
PHOTON		Photon spectrometer
PHOTON-MASSER	JINR	Lead Glass Photon Spectrometer
PIOSPEC	LAMPF	Los Alamos π^0 spectrometer
PIK	KEK-PS	Medium resolution spectrometer for (π , K) nuclear spectroscopy
PINOT	SACL-SATURNE-II	Saclay high resolution π^0 and η detector
PION	COSM	Hadronic calorimeter with pion-proton identification
PLASTIC		Lexan or other such material in which tracks are frozen (except emulsion)
PLASTIC-BALL	LBL-BEVALAC	Plastic Ball detector
PLUTO	DESY-DORIS	Superconducting solenoid spectrometer
POMME	SACL-SATURNE-II	
PROZA	SERP	Polarized proton target with frozen polarization, gamma spectrometer, neutron detector
PROZA-M	SERP	Modified PROZA
QUARTZ	SERP	Crystal-diffraction spectrometer
RISK	SERP	4.7x0.9 x 0.8 m ³ streamer chamber in magnetic field
RMS	RHEL	Magnetic spectrometer facility
S-KAMIOKANDE	UNDERGROUND	Proposed detector for nucleon decay and neutrino astronomy experiments, Kamioka, Japan
SAC-600	SACL-LINAC	High resolution electron scattering detector

SAC-900

DETECTOR	ACCELERATOR	EXPLANATION
SAC-900	SACL-LINAC	High resolution electron scattering detector
SAGE	UNDERGROUND	Soviet-American Gallium Experiment in the Baksan Neutrino Observatory
SAPHIR	BONN-ELSA	
SAS		Single arm spectrometer
SCINT	GANIL	
SEMI		Semiconductor detector
SFM	CERN-PS	Split field magnet
SIGMA	SERP	CERN-IHEP magnetic spectrometer at Serpukhov
SIGMA-AYAKS	SERP	Modified SIGMA spectrometer with cumulative particles arm
SINDRUM-I	PSI	Large-angle solenoid detector
SINDRUM-II	PSI	Upgraded large-angle solenoid detector
SKM-200	JINR	2-m neon filled streamer chamber
SKS	KEK-PS	High resolution large acceptance superconducting spectrometer for nuclear spectroscopy
SLD	SLAC-SLC	SLac Detector
SMAG	SLAC-SPEAR	Magnetic detector
SMM-GRS	COSM	Gamma ray spectrometer of the solar maximum mission satellite facility
SND	NOVO-VEPP-2M	Spherical Neutral Detector, 1680 NaI(Tl) counters
SNO	UNDERGROUND	1000 tons heavy water solar neutrino detector, detecting Cerenkov light (Canada-USA-UK), placed near Sudbury, Canada
SOKOL	COSM	
SOUDAN-II	UNDERGROUND	Detector with drift calorimeter modules, 1030 tons, at Minnesota
SPASE	COSM	South Pole air shower experiment
SPEC		General spectrometer system not filling one of the others or where specific type not given
SPEC-6M	SERP	6-m spectrometer
SPES-0	SACL-SATURNE-II	Modular lead-glass Cerenkov detector
SPES-I	SACL-SATURNE-II	High resolution spectrometer
SPES-II	CERN-LEAR	High resolution spectrometer
SPES-III	SACL-SATURNE-II	Saclay Saturne spectrometer
SPES-IV	SACL-SATURNE-II	High resolution spectrometer
SPHERE	JINR	4 π detector
SPHINX	SERP	
SPIN	ITEP	Magnetic superconducting spectrometer with horizontal magnetic field
SPRK		Spark chamber of unspecified type (use WIRE or OSPK, if possible)
SSF	SLAC	SLAC spectrometer facility — 1.6, 8, and/or 20 GeV spectrometers
SSNTD	JINR	Solid State Nuclear Track Detector
STRC		Streamer chamber
SUPERBENKEI	KEK-PS	Superconducting spectrometer system
SUSI	PSI	Pion spectrometer
SYSTEMA-II	COSM	Upgraded SYSTEMA-I spectrometer
TAGX	TOKY	Large-aperture spectrometer system
TAPS	DGSI	Two arms photon spectrometer
TASSO	DESY-PETRA	
THERMAL		General detector based on measuring of temperature increase after particle passing
TISS-3	ITEP	Spark chamber of 1.5 m length
TOF		Time Of Flight detecting system
TOKIWA	KEK-PS	KEK spectrometer
TOPAZ	KEK-TRISTAN	Solenoidal spectrometer with time projection chamber
TORI	DGSI-UNILAC	Magnetic β -spectrometer
TPC	SLAC-PEP	Time projection chamber
TPS	FNAL	Tagged photon spectrometer
TRAD		A general transition radiation detector
TROITSK-NU-MASS		Setup to measure electron neutrino mass. An integral electrostatic spectrometer with adiabatic magnetic collimation and gaseous tritium source
UA1	CERN-PBAR/P	
UA2	CERN-PBAR/P	
UA4-2	CERN-PBAR/P	Two pairs of "Roman Pots" placed symmetrically at 45m from the crossing point. Main detector components: drift chambers, hodoscopes based on scintillating fibres, scintillation counters for trigger
VENUS	KEK-TRISTAN	Versatile Economical and Novel Universal Spectrometer
VES	SERP	Magnetic VERTex Spectrometer
WAS		Wide Angle Spectrometer
WIND	REACTOR	Water Integral Neutrino Detector
WIRE		Wire chambers (proportional wire chambers, drift chambers). Includes all nonoptical spark chambers
X-RAY		X-RAY spectrometer
ZEUS	DESY-HERA	

We give here the symbols used in the Reaction/Momentum/Data Descriptor Index to indicate what quantities are measured in an experiment.

A-DEP

DATA DESCRIPTOR	EXPLANATION
A-DEP	Atomic number dependence
AMP	Amplitudes not decomposed into states of definite angular momentum: Re/Im ratio, helicity amplitude, etc.
ANG	Angular distributions between particles in the final state. Includes also angular distributions involving decay products of particles listed in the reaction, even though those decay products are not themselves explicitly listed. Includes angles used to study the decay of a system in the final state, even though the coordinate system axes may be defined with respect to the incident particles (e.g., Jackson angles, etc.). Also the equivalent, expressed as moments, etc.
ANGP	Production angular distributions of one or more of the outgoing particles relative to one of the incident particles. Also the equivalent, expressed as moments or polynomial expansion coefficients. Also invariant cross sections as a function of production angle or t . By convention, does not include rapidity or its approximation (see P)
ANGP*MASS	Biplot, note that order of description is essential
ANGP*P	Biplot, note that order of description is essential
ANGP*PT	Biplot, note that order of description is essential
ASYM	Asymmetry in scattering off a polarized target and/or with a polarized beam (with exception of special case noted under POL)
COL	Collective variables (sphericity, thrust, etc.)
CONST	Physical constant (Fermi constant, Weinberg angle, etc.). Used to express that model parameters are extracted from data
COR	General correlator (on momentum, rapidity, etc.)
CS	Cross section, cross section ratio, or cross section upper limit. Can also be listed for very rare reactions whose existence is being established, even though the number of events has not been converted to a cross section. Does not include parametrizations of the cross section, e.g. as a function of energy
DME	Density matrix elements, including joint density matrix elements
ET	Transverse energy
FLUX	Cosmic-ray particle flux
FV	For proposals only. Experiment proposes to measure complete four-vector, without specifying exactly what analysis of them will be done
MANY	For rare cases when there are many types of data measured
MASS	Mass spectrum, or invariant cross section as a function of mass
MASS*MASS	
MULT	Multiplicity distribution, its average, ratio or moments
P	Any function of outgoing momentum or energy not included in any others. Includes rapidity and Feynman scaling variables
P*P	
POL	Final state spin polarization measurement, including Wolfenstein spin rotation parameters, and measurements of the asymmetry off a polarized target when it is equal to the final state polarization
PT	Transverse momentum spectrum, or invariant cross section as a function of above. Does not include a momentum transfer spectrum (see ANGP). Includes transverse mass, unless the particle mass is also variable
PT*MASS	
PT*P	
PWA	Partial wave amplitudes, including formation partial waves and production partial waves. Any attempt to measure amplitudes of definite angular momentum. Includes scattering length and effective range
QNC	Test of quantum-number conservation