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A GUIDE TO

EXPERIMENTAL PARTICLE PHYSICS LITERATURE

1991–1996

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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`.

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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 $\pi^- p \rightarrow p2\pi^+3\pi^-$.

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:
  `INDex,`*key-name*
  (*e.g.*, `INDex,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**
	Dropesky 86	Phys. Rev. C32:1305,1985; **Excitation Functions for the Production of ^{18}Fl 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 ^{6}Li, ^{7}Li, and ^{9}Be 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 $p\,\overline{p}$ 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 $p\,\overline{p}$ 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 $p\,\overline{p}$ 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 $p\,\overline{p}$ 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 $p\,\overline{p}$ 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 $\overline{p}\,p$ 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 $p\,\overline{p}$ 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 $p\,\overline{p}$ 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 $p\,\overline{p}$ 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 $p\,\overline{p}$ 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 $p\,\overline{p}$ 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 $p\,\overline{p}$ Collisions at the D0 Detector

Abachi 95M FERMILAB-CONF-95-207-E;
Inclusive Dimuon and b Quark Production Cross Sections in $p\,\overline{p}$ Collisions at $\sqrt{s} = 1.8$ TeV

Abachi 95N FERMILAB-CONF-95-251-E;
Diphoton Production in $p\,\overline{p}$ 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 $p\,\overline{p}$ Collisions at $\sqrt{s} = 1.8$ TeV

Abachi 95P FERMILAB-CONF-95-208-E;
Inclusive Muon and b Quark Production Cross-Sections in $p\,\overline{p}$ 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 $B^0\ \overline{B}^0$ Mixing Using Dimuons at D0

Abachi 95S Phys. Lett. 357B:500, 1995; FERMILAB-PUB-95-203-E;
Transverse Energy Distributions within Jets in $p\,\overline{p}$ 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 $p\,\overline{p}$ 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 $\overline{p}\,p$ 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 $p\,\overline{p}$ Collisions at $\sqrt{s} = 1.8$ TeV

Abachi 95ZB FERMILAB-CONF-95-205-E;
$J/\psi(1S)$ Production in $p\,\overline{p}$ 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 $p\,\overline{p}$ Collisions

Abachi 95ZD Phys. Lett. 358B:405, 1995; FERMILAB-PUB-95-283-E;
Search for Heavy $W^\pm$ Boson in 1.8 TeV $p\,\overline{p}$ 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 $\overline{p}\,p$ Collisions at $\sqrt{s} = 1.8$ TeV

Abachi 95ZI FERMILAB-CONF-95-204-E;
Transverse Energy Distributions Within Jets in $p\,\overline{p}$ Collisions at $\sqrt{s} = 1.8$ TeV

Abachi 95ZJ Phys. Rev. Lett. 75:1028, 1995;
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See the legend on page 5.

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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 $\overline{p}\,p$ 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 $p\,\overline{p}$ 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 $p\,\overline{p}$ 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 $p\,\overline{p}$ 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 $p\,\overline{p}$ 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 $\overline{p}\,p$ 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 $\overline{p}\,p$ 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 $\overline{p}\,p$ 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 $p\,\overline{p}$ 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-$\overline{p}$ 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 $p\,\overline{p}$ 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 $\overline{p}\,p$ Collisions

Abe 94Q FERMILAB-PUB-94-131-E;
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Heavy Quark Production

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Results on τ Neutrino from Colliders

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Electromagnetic Fission of ^{238}U at 600 and 1000 MeV per Nucleon

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Status of Fermilab E710

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First Results of the CPLEAR Experiment at CERN

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Analyzing Power in n deuteron Elastic Scattering at 67 MeV

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Limits on Light Scalar and Pseudoscalar Particles from a Photon Regeneration Experiment

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Search for Photon Regeneration in a Magnetic Field

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Charge Correlations and Transverse Momenta Observed in Multifragmentation of 1 GeV/Nucleon Au Projectiles

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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}He ($\gamma\uparrow$, p) X with Polarized Photons

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Momentum Correlations of Charmed Pairs Produced in π^- Cu Interactions at 230 GeV/c

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Absorption of Intermediate-Energy Photons by Multi-Particle Clusters in ^{6}Li

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Neutron Inclusive Measurements of ^{36}Ar+Ag Reactions at 35 MeV/Nucleon

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New GAMS Results on Meson Spectroscopy

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A High Q^2 Measurement of the Photon Structure Function $F_2^{(\gamma)}$

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A High Q^2 Measurement of the Photon Structure Function $F_2^{(\gamma)}$

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Measurement of Quasi-Elastic Scattering and $D_{NN}(0^\circ)$ with (p,n)

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Sakuda 93 — Nuovo Cim. 107A:2389, 1994; KEK-93-124;
New Results from TRISTAN Experiments

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Measurement of TeV Muon Energy Loss in Iron

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Shivpuri 95B Z. Phys. C66:403, 1995;
Fractals in One and Two Dimensions of Medium Energy Particles in 800 GeV p AgBr Interactions

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On the Time Scale of Multifragment Emission in ^{4}He + Au Collisions at $E/A = 3.65$ GeV/Nucleon

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Measurement of $\overline{p}\ p$ 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 $\overline{p}\ p$ 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}Co Deep Spallation Reactions Induced by 1.2 GeV Protons. Chapter.1. Experimental Results

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Antiproton Production in Proton-Nucleus Interactions at 10.1 GeV/c

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Search for Top and Leptoquarks in the Range of the Z^0 Resonance

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Absolute $p\ p$ Elastic Cross-Sections from 492 MeV to 793 MeV

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A Study of Particle Densities in Rapidity Space in $p\ p$ Collisions at 360 GeV/c

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Intermittency Pattern in $p\ p$ Collisions at 360 GeV/c

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Characteristics of Helium Fragments Produced in ^{28}Si Emulsion Interactions at 14.5 A GeV

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Multifractal Analysis of ^{197}Au-Emulsion Collisions at 10.6 A GeV

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Some General Characteristics of ^{28}Si-Emulsion Interactions at 4.5 GeV/c per Nucleon

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The $\eta\ \eta$ Systems Produced in 450 GeV/c Central $p\ p$ Collisions

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B Lifetimes at CDF

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B-Meson Lifetimes at CDF

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Search for the Massive Neutrino in the Experiment at the Nuclear Reactor

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Momentum Distributions and Interferometry Analysis of Negatively Charged Hadrons from 200 A GeV S+Au Reactions

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Search for Top Quark at Fermilab Collider

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Onset of Nuclear Vaporization in ^{197}Au + ^{197}Au Collisions

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Summary of Low Mass Dilepton and Direct Photon Results

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Tests of QCD at the Z^0 Resonance

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New results from CLEO-II on Hadronic Decays of the Tau Lepton

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Zhdanov 91B	LENI-91-1683; Experimental Study of 1 GeV Proton Fission Processes in ^{238}U Nuclei Using Photoemulsion
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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 π^{-} p Collisions at 40 GeV/c
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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; $\tau^{\pm}$ 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 ^{3}He
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

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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 $E_{\rm cm}$. However, for colliding beam experiments, we usually only give $E_{\rm cm}$; we also give only $E_{\rm cm}$ 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.

$p\,p$

(63)	Akesson 88D
	Akesson 87
	Akesson 87B
	Akesson 87C
	Akesson 87D
	Akesson 87E
	Chauvat 87
	Smith 85D
(> 433.2)	Linsley 84

$p\,n$

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.

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

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

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

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

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

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

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)

? Edwards 95
Vetter 95
Wolfenden 91

γ Pb(atom)

? Meekhof 93

γ nucleus

0.2 – 1 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 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) Zybalov 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 ^{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 ^{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) Zybalov 95

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 Li

0.3 – 1.2 (6.758 – 7.57) Bianchi 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 ^{7}Li

0.35 (6.861) 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
200 (58.55) 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 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
320 (73.78) Frabetti 94E

γ ^{9}Be

0.35 (8.726) Ganenko 91

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 ^{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 ^{13}C

0.17 – 0.177 (12.28 – 12.28) Gothe 95
0.192 (12.2) Choi 94

γ ^{14}Nit

0.4 (13.44) Distelbrink 91

γ ^{15}Nit

0.22 (14.19) Shaw 95

γ O

0.227 – 0.391 (15.13 – 15.29) Arends 91

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 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 ^{27}Al

0.3 – 0.45 (25.45 – 25.5) Belousov 91
0.35 (25.4) Ganenko 91

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
< 5 (< 64) 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
Avakyan 91F

γ Ta
4 (172.5) Amroyan 93
< 5 (< 173.5) Amroyan 93C

γ ^{181}Ta
4 (172.6) Amroyan 93B

γ ^{184}Wt
0.35 (171.7) Ganenko 91

γ Au
2 – 3 (185.5 – 186.4)
Astabatyan 91

γ Pb
0.184 – 0.213 (193.2 – 193.2)
Fissum 96
0.227 – 0.391 (193.2 – 193.4)
Arends 91
0.3 – 1.2 (193.3 – 194.2)
Bianchi 94
0.69 – 1.95 (193.7 – 194)
Avakyan 91F
3.7 – 18.3 (196.7 – 210.5)
Arneodo 92
< 4.5 (< 197.5)
Avakyan 91F
50 – 400 (237.8 – 437.8)
Conrad 95
Naples 94

γ ^{208}Pb
0 – 1.85 (193.8 – 195.6)
Arakelyan 95
0.058 (193.8) Fuhrberg 92
0.058 – 0.075 (193.8 – 193.8)
Fuhrberg 92

γ ^{209}Bi
0 – 1.85 (194.7 – 196.5)
Arakelyan 95

γ ^{232}Th
0.25 – 1.2 (216.4 – 217.3)
Bianchi 93

γ ^{235}U
0 – 1.85 (218.9 – 220.7)
Arakelyan 95
0.05 – 0.8 (218 – 219.7)
Frommhold 94
0.06 – 0.24 (218 – 219.1)
Ivanov 94

γ ^{238}U
0.05 – 0.8 (221.8 – 222.5)
Frommhold 94
Frommhold 92
0.06 – 0.24 (221.8 – 221.9)
Ivanov 94
Ivanov 92
0.2 – 1.2 (221.9 – 222.9)
Bianchi 93B
0.25 – 1.2 (221.9 – 222.9)
Bianchi 93

γ ^{237}Np
0.06 – 0.24 (220.8 – 220)
Ivanov 94
Ivanov 92

γ ^{239}Pu
0 – 1.85 (222.6 – 224.5)
Arakelyan 95

γ ^{243}Am
0 – 1.85 Arakelyan 95

γ crystal
100 Bassompierre 95

γ^* γ^*
(0.25 – 12) Akers 93C
(0.7625 – 1.188)
Behrend 92
(1.5 – 5) Dominick 94
(< 58) Suzuki 93C

γ^* nucleon
40 – 180 Arneodo 95D

γ^* p
(50 – 240) Wolf 94
(100 – 295) Kniehl 94
Ahmed 92E

gluon q
? Abe 93E

H^0 p
< 70 Blumlein 91

H^0 C
< 70 Blumlein 91

axion γ^*
0 Ruoso 92
$2.8 \cdot 10^{-6}$ – $8.8 \cdot 10^{-6}$
Lazarus 92

axion p
< 70 Blumlein 91

axion C
< 70 Blumlein 91

ν e^-
> 0.005 (> 0.002315)
Bowles 93
> 0.0075 (> 0.002812)
Vignaud 95

ν nucleus
> 1 Sato 90
19.3 – 23.8 Gruwe 93

ν deuteron
0 – 260 (1.876 – 31.29)
Tenner 91
> 0.005 (> 1.881)
Bowles 93

ν ^{11}Bor
> 0.0045 (> 10.25)
Bowles 93

ν Fe
10 – 260 (61.21 – 172.5)
Hughes 93B
Virchaux 92
Berge 89
60 – 165 (94.5 – 140)
Choban 91

$\bar{\nu}$ deuteron
0 – 260 (1.876 – 31.29)
Tenner 91

$\bar{\nu}$ Fe
10 – 260 (61.21 – 172.5)
Hughes 93B
Virchaux 92
Berge 89

ν_e e^-
0 – 0.01 (0.00051 – 0.003234)
Suzuki 93
0 – 0.053 (0.00051 – 0.00737)
Allen 93
Allen 91
Krakauer 91
0.005 – 0.01 (0.002315 – 0.003234)
Suzuki 93

ν_e e^-
0.005 – 0.05 (0.002315 – 0.00715)
Konishi 93
Losecco 92
> 0.005 (> 0.002315)
Bowles 93
> 0.007 (> 0.00272)
Morrison 93
Morrison 93B
Anselmann 92B
Bethe 92
Morrison 92B
> 0.0075 (> 0.002812)
Vignaud 95
Suzuki 91C
> 0.0093 (> 0.003122)
Spiro 92
> 0.01 (> 0.003234)
Bowles 93
0.02 – 0.053 (0.004545 – 0.00737)
Radel 93
Burman 91

ν_e nucleon
0 – 10 (0.94 – 4.437)
Borodovsky 92
< 1.5 (< 1.924)
Suzuki 93

ν_e n
20 – 30 (6.202 – 7.567)
Vilain 94B

ν_e nucleus
> 0.0075 Vignaud 95
< 1 Allison 93B
Goodman 92
3 – 30 Ammosov 92B

ν_e deuteron
> 0.005 (> 1.881)
Bowles 93

ν_e ^{11}Bor
> 0.00198 (> 10.25)
Bowles 93

ν_e ^{12}C
0 – 0.035 (11.18 – 11.21)
Armbruster 94
0 – 0.0528 (11.18 – 11.23)
Bodmann 94
Bodmann 94B
Kretschmer 94B
Bodmann 92
Drexlin 91

ν_e ^{37}Cl
> 0.0008 (> 34.47)
Vignaud 95
Morrison 93B
Rich 93
Anselmann 92B
Bethe 92
Morrison 92B
Spiro 92
> 0.00081 (> 34.47)
Bowles 93
0.005 – 0.02 (34.47 – 34.48)
Vignaud 95
Suzuki 90B
> 0.8 (> 35.26)
Morrison 93

ν_e ^{40}Ar
> 0.01 (> 37.27)
Bowles 93

ν_e ^{71}Ga
> 0.0002 (> 66.1)
Abdurashitov 94
Morrison 93B
Rich 93
Bethe 92
Morrison 92B

ν_e ^{71}Ga
Spiro 92
Abazov 91
> 0.00023 (> 66.1)
Bowles 93
0.000233 – 0.00042 (66.1 – 66.1)
Anselmann 93
> 0.000233 (> 66.1)
Anselmann 95B
Vignaud 95
Anselmann 94
Stolarczyk 93
< 0.00042 (< 66.1)
Morrison 93
Morrison 93B
Anselmann 92
0.00042 – 0.00086 (66.1 – 0)
Morrison 93
Morrison 93B
Anselmann 92
< 0.00042 (< 66.1)
Morrison 93
Morrison 93B
Anselmann 92
0.00042 – 0.00086 (66.1 – 66.1)
Morrison 93
Morrison 93B
Anselmann 92
0.000426 – 0.000751 (66.1 – 66.1)
Bahcall 95
< 0.014 (< 66.11)
Morrison 93
Morrison 93B
Anselmann 92
Anselmann 92B
> 0.2 (> 66.2) Morrison 93

$\bar{\nu}_e$ e^-
0.0002 – 0.002 (0.0007 – 0.002)
Derbin 92
0.0006 – 0.0052 (0.0009 – 0.002)
Derbin 92B
0.0015 – 0.0045 (0.001 – 0.002)
Radel 93
0.002 – 0.009 (0.0015 – 0.003)
Vidyakin 91
0.004 – 0.01 (0.002 – 0.003)
Radel 93
Vidyakin 92
$6.4 \cdot 10^6$ (80.7) Aglietta 94

$\bar{\nu}_e$ nucleon
0 – 10 (0.94 – 4.437)
Borodovsky 92
< 1.5 (< 1.924)
Suzuki 93

$\bar{\nu}_e$ p
0 – 53 (0.9383 – 10.02)
Freedman 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
0.005 – 0.05 (0.9433 – 0.987)
Konishi 93
Losecco 92
< 0.01 (< 0.9482)
Achkar 95
Ketov 92
Skorokhvatov 92
0.01 (0.9482) Grassi 93
20 – 30 (6.198 – 7.562)
Vilain 94B

$\bar{\nu}_e$ deuteron
0.002 – 0.009 (1.878 – 1.885)
Mikaelyan 91
Vidyakin 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 $p_{\rm lab}$ in GeV/c; then $E_{\rm cm}$ in GeV follows in parentheses. For certain initial states only $E_{\rm cm}$ (in parentheses) is given.

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π^+ p

	Apsimon 91
	Fiedler 91
	Hofmann 91
85 (12.67)	Armstrong 92
	Armstrong 91
147 (16.64)	Arena 95
	Fuess 94C
	Boca 92
250 (21.68)	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
280 (22.94)	Durieux 91

π^+ n

1.07 (1.712)	Ajimura 92
1.97 (2.148)	Abramov 91D
5.98 (3.485)	Svec 93
5.98 – 11.85 (3.485 – 4.814)	Svec 93B
	Svec 92
	Svec 91

π^+ $\Delta(1232\ P_{33})^{++}$

4 (3.376)	Brovkin 91C

π^+ nucleus

> 0.06642	Johnson 93
0.2763	Lantsev 91
< 0.4168	Bilger 93
1.07	Ajimura 92
100	Walker 91
100 – 200	Geist 91
200	Schmitz 91
250	Alves 92B

π^+ deuteron

0 – 0.6242 (2.015 – 2.436)	Arndt 93
0.03235 – 0.07838 (2.019 – 2.034)	Ritchie 93B
	Ritchie 91
0.0871 – 0.1496 (2.038 – 2.075)	Yeomans 94
0.0899 – 0.1122 (2.03 – 2.052)	Gogolev 93
0.0963 – 0.1496 (2.043 – 2.075)	Kohler 93
0.1161 – 0.1496 (2.054 – 2.075)	Saunders 96
0.1268 (2.06)	Kohler 94
0.1496 (2.075)	Kohler 91
0.1904 (2.103)	Khandaker 91
0.1947 – 0.4105 (2.106 – 2.272)	Wessler 95
0.2008 – 0.3691 (2.111 – 2.23)	Feltman 91
(2.115 – 3.02)	Strakovskii 91
0.2165 – 0.3519 (2.122 – 2.227)	Alteholz 94
0.2177 (2.123)	Salvisberg 92
0.2189 – 0.3637 (2.124 – 2.236)	Maytalbeck 92

π^+ 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

π^+ ^{3}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

π^+ ^{3}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)	Alteholz 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

π^+ ^{4}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

π^+ He

0.3957 (4.129)	Bonutti 93

π^+ Li

0.6242 (7.077)	Wise 93
10.64 (13.39)	Budagov 91
300 (62.61)	Antoniazzi 94B
	Garbincius 94

π^+ ^{6}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

π^+ ^{7}Li

0.2353 – 0.302 (6.789 – 6.847)	Meier 94
300 (62.89)	Sansoni 95
	Antoniazzi 94
	Antoniazzi 92
	Antoniazzi 92B

π^+ 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

π^+ ^{9}Be

1.048 (9.382)	Pile 91

π^+ Bor

1.06 (11.09)	Hasegawa 96

π^+ ^{10}Bor

1.06 (10.33)	Nagae 95

π^+ ^{11}Bor

1 (11.21)	Olin 91
1.05 (11.26)	Noumi 95

π^+ 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

π^+ ^{12}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
1 (12.15)	Olin 91
1.048 (12.19)	Pile 91
1.05 (12.19)	Kishimoto 95
	Noumi 95
	Ajimura 94
	Ajimura 92B
1.06 (12.2)	Hasegawa 96
	Hasegawa 95
	Nagae 95
1.07 (12.21)	Kishimoto 94
	Ajimura 92
	Akei 91
4 (14.65)	Nakai 91

π^+ ^{13}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

π^+ O

0.3957 (15.32)	Bonutti 93

π^+ ^{16}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

π^+ ^{18}O

0.4693 – 0.5625 (17.25 – 17.34)	Johnson 93B

π^+ ^{20}Ne

0.2189 – 0.2875 (18.89 – 18.95)	Burlein 95

π^+ Mg

100 (70.9)	Whitmore 94
200 (97.82)	Brick 92

π^+ ^{26}Mg

0.2673 (24.52)	Clausen 93

π^+ 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

π^+ ^{27}Al

0.1947 – 0.4099 (25.39 – 25.58)	Mckinzie 94

π^+ Si

0.1161 – 0.1496 (26.34 – 26.37)	Saunders 96

π^+ ^{28}Si

0.3749 (26.48)	Rawoolsulliv 94
1.048 (27.12)	Pile 91
1.06 (27.13)	Hasegawa 96
	Nagae 95

π^+ S

0.1161 – 0.1496 (30.05 – 30.07)	Saunders 96

π^+ Ca

0.1161 – 0.1496 (37.52 – 37.54)	Saunders 96
0.6242 (37.97)	Wise 93

π^+ ^{40}Ca

1.048 (38.3)	Pile 91

π^+ Ti

1.39 (45.9)	Bayukov 91
1.4 (46.01)	Bayukov 94

π^+ ^{51}Va

1.048 (48.56)	Pile 91

π^+ ^{56}Fe

0.5212 (52.7)	Smith 93C
1.07 (53.23)	Akei 91

π^+ Fe

1.39 (53.4)	Bayukov 91
1.4 (53.41)	Bayukov 94

π^+ ^{58}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

π^+ Ni

0.0963 (54.86)	Friedman 91B

π^+ ^{60}Ni

0.2875 (56.21)	Laymon 96

π^+ ^{62}Ni

0.2875 (58.07)	Laymon 96

π^+ ^{64}Ni

0.2875 (59.93)	Laymon 96

π^+ Cu

10.64 (69.02)	Budagov 91
11.2 (69.5)	Akimenko 92

π^+ Cu

250 (181.9) Gardner 95
Appel 94
Alves 93
Alves 93B
Spiegel 91

π^+ ^{76}Se

0.4097 (71.23) Hui 95

π^+ Se

0.232 – 0.302 (73.82 – 73.88)
Hui 94

π^+ ^{78}Se

0.4097 Hui 95

π^+ ^{80}Se

0.4097 Hui 95

π^+ ^{82}Se

0.4097 (76.81) Hui 95

π^+ ^{89}Yt

1.048 (83.95) Pile 91
1.06 (83.96) Hasegawa 96
Nagae 95

π^+ ^{90}Zr

0.3637 – 0.6242 (84.22 – 84.47)
Jones 93

π^+ Zr

0.6242 (85.61) Wise 93
Peterson 92

π^+ ^{93}Nb

0.2696 – 0.4102 (87.23 – 87.36)
Kagarlis 94

π^+ Ag

100 (173.8) Whitmore 94
200 (224.3) Brick 92

π^+ ^{118}Sn

0.3637 – 0.6242 (110.3 – 110.6)
Jones 93

π^+ Sn

0.6242 (111.2) Wise 93

π^+ Xe

2.34 – 9 (124.6 – 131)
Strugalskago 94

π^+ ^{139}La

1.06 (130.6) Hasegawa 96
Nagae 95

π^+ Ta

0.6242 (169.2) Wise 93

π^+ Wt

250 (339.1) Gardner 95
Appel 94
Alves 93
Alves 93B
Spiegel 91

π^+ Au

100 (265.2) Whitmore 94
200 (327.2) Brick 92
250 (354.1) Agababyan 95
Agababyan 95B
Yandarbiev 93
Agababyan 92
Ajinenko 92
Botterweck 92
Agababyan 91B
Agababyan 90C
Botterweck 90

π^+ Pb

0.3957 (193.4) Bonutti 93
0.6242 (193.6) Wise 93
3 (195) Smirnitsky 91
Vorobiev 91

π^+ ^{208}Pb

0.3637 – 0.6242 (194.1 – 194.4)
Jones 93
0.3957 (194.2) Camerini 93
1.06 (194.8) Hasegawa 96
Nagae 95

π^+ U

0.6242 (222.4) Wise 93

π^- e^-

300 (0.5705) Buenerd 92

π^- nucleon

36.6 (8.349) Berdnikov 94
Berdnikov 94B
37 (8.394) Achasov 94
Amelin 94
Zaitsev 94
200 (19.41) Belaga 95F
Belaga 94B
Belaga 94C
250 (21.7) Karchin 95
Wallace 94
300 (23.77) Prokoshkin 90
350 (25.67) Aoki 91B
360 (26.03) Nanjo 92
600 (33.5) Kodama 93
Kwan 93

π^- p

0 (1.078) Sigg 95
Crawford 91C
0.09 (1.101) Dress 94
Farzanpay 92
0.095 (1.103) Meijerdrees 92
Meijerdrees 92B
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
0.1947 – 0.3637 (1.162 – 1.277)
Stasko 94
0.2259 – 0.3314 (1.182 – 1.255)
Friedman 93
0.2651 – 0.7263 (1.209 – 1.513)
Abaev 92
0.295 – 0.45 (1.22 – 1.336)
Kernel 91
0.301 – 0.625 (1.234 – 1.44)
Kim 91
0.4 (1.302) Muller 93
0.427 – 0.657 (1.32 – 1.46)
Supek 93
0.573 – 0.726 (1.417 – 1.512)
Lopatin 94
0.7365 – 1.025 (1.519 – 1.686)
Takahashi 95
0.9 – 2 (1.615 – 2.159)
Abramov 91C
1.78 (2.062) Alekseev 91
2 – 14 (2.159 – 5.213)
Landsberg 94C
< 2.135 (< 2.217)
Arndt 91
3.92 (2.874) Aleshin 92B
Aleshin 92C
3.93 (2.877) Andryakov 91
3.95 (2.884) Amelin 92
4.35 (3.011) Aleshin 94
4.5 (3.058) Andryakov 91
5.75 – 13.02 (3.41 – 5.033)
Landsberg 94C
5.9 (3.46) White 94B
5.98 – 11.85 (3.482 – 4.81)
Svec 93B
6 (3.487) Appel 91
Matsuda 91
6.3 (3.567) Aoyagi 94
Aoyagi 93
8.06 (4.003) Ando 90
8.95 (4.207) Fukui 91
Kinashi 91
Fukui 90
10 (4.435) Appel 91
16 (5.561) Karnaukhov 95
Karnaukhov 95B
Karnaukhov 95C
Landsberg 94C
Karnaukhov 93
Karnaukhov 93B
Lazanu 93
Karnaukhov 92
17.2 (5.75) Anisovich 95
Achasov 93
Svec 93B
Svec 92
18 (5.889) Lee 94
22 (6.495) Bertolotto 94
Landsberg 90
32 (7.807) Bityukov 91B
32.5 (7.867) Victorov 95
Victorov 95B
Donnachie 91
Landsberg 91
Bityukov 90
Landsberg 90
32.5 – 48 (7.867 – 9.538)
Achasov 93
36 (8.274) Amelin 95
Bityukov 91D
37 (8.386) Berdnikov 92B
38 (8.498) Alde 95
Anisovich 95
Chklovskaia 95
Donskov 95
Kondashov 95
Alde 94
Alde 94B
Alde 94C
Donskov 94
Kondashov 94
Kulik 94
Landsberg 94
Sadovsky 94
Achasov 93
Alde 93
Alde 92
Landsberg 92
Landsberg 92B
Alde 91B
Alde 91C
Alde 91E
Alde 91F
Alde 91G
Samoylenko 91
Landsberg 90
Bannikov 88
(8.7) Volkov 93
40 (8.716) Baloshin 95
Bolonkin 95
Boos 95
Angelov 94
Zhumanov 94
Achasov 93
Turchanovich 93
Angelov 92B
Bityukov 91
Nurushev 91
Yokosawa 91
80 (12.29) Apsimon 91B
80 – 140 (12.29 – 16.24)
Apsimon 93
Apsimon 92
Gebert 92
Apsimon 91
Fiedler 91
Hofmann 91

π^- p

100 (13.73) Donskov 95
Prokoshkin 94
Achasov 93
Alde 92
Landsberg 92
Landsberg 92B
Palano 92
Alde 91E
Landsberg 90
100 – 175 (13.73 – 18.15)
Achasov 93
200 – 230 (19.3 – 20.7)
Appel 92
230 (20.7) Appel 92
250 (21.68) Rossi 91
280 (22.94) Banerjee 92
Durieux 91
Bonvin 90B
340 (25.28) Appel 92
Rossi 91
360 (26.01) Appel 92
Rossi 91
? Burchell 92
Landsberg 91

π^- n

40 (8.722) Boos 95
340 (25.29) Tufail 92

π^- nucleus

> 0.06642 Johnson 93
2.9 Smirnitsky 91
3.6 – 6.2 Bulekov 94
4 Tomizawa 94
40 Ivanshin 94
100 Walker 91
100 – 200 Geist 91
200 Belaga 95F
Belaga 94B
Belaga 94C
Ghosh 93B
Ghosh 93D
200 – 350 Ghosh 95B
Ghosh 93
Ghosh 93C
Ghosh 92C
250 Kwan 93
Alves 92
Alves 92B
Appel 92
Thorne 92
300 Drndarevic 95
Adamovich 93C
Prokoshkin 90
320 Appel 92
340 Adamovich 94D
Elnadi 94B
Freyberger 94
Adamovich 93B
Adamovich 93D
Kwan 93
Ghosh 92
Nasr 92
Adamovich 91D
Adamovich 91E
Rossi 91
Tufail 91
350 Adamovich 95
Ghosh 94
Kwan 93
Aoki 92
Aoki 91B
Aoki 91C
500 Aitala 95
Gardner 95
Carter 94
Carter 94B
Nguyen 94
Purohit 94
Purohit 94B
525 Cherry 94C
600 Kodama 95
Freyberger 94
Garbincius 94

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π^- Ag	
40 (134.7)	Ivanshin 94
	Ananieva 92
100 (173.8)	Whitmore 94
100 − 320 (173.8 − 272.8)	Whitmore 94
200.1 (224.3)	Albrecht 93G

π^- Cd	
1.2 − 5 (105.9 − 109.6)	Smirnitsky 91
	Vorobiev 91
3 (107.7)	Degtyarenko 91

π^- Sn	
0.6242 (111.2)	Wise 93

π^- Xe	
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

π^- Ta	
0.6242 (169.2)	Wise 93
40 (204.7)	Ivanshin 94
	Ananieva 92

π^- Wt	
125 (268.6)	Tzamarias 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

π^- Pt	
250 (351)	Appel 94
500 (463.4)	Aitala 96

π^- Au	
100 − 320 (265.2 − 388.7)	Whitmore 94
200.1 (327.3)	Albrecht 93G

π^- Pb	
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)	Chklovskaia 95
40 (229.6)	Ivanshin 94
	Antipov 93B
	Ananieva 92
	Antipov 92
	Antipov 90C
530 (491.8)	Spiegel 91

π^- ^{208}Pb	
0.07735 − 0.112 (193.9 − 193.9)	Burleson 94

π^- ^{238}U	
0 (221.8)	Belovitsky 91
0.1947 (221.9)	Belovitsky 92

π^- U	
0.6242 (222.4)	Wise 93

ρ^0 nucleon	
200 (19.43)	Arneodo 94

$K^\pm$ p	
80 − 140 (12.2 − 16.24)	Apsimon 92B

K^+ nucleon	
< 3.105 (< 2.653)	Hyslop 92
250 (21.71)	Karchin 95
	Wallace 94

K^+ p	
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
80 − 140 (12.2 − 16.24)	Apsimon 92
	Gebert 92
	Apsimon 91
	Fiedler 91
	Hofmann 91
140 (16.24)	Apsimon 91B
147 (16.64)	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

K^+ n	
< 3.105 (< 2.652)	Hyslop 92
5.98 (3.522)	Svec 91B
5.98 − 11.85 (3.522 − 4.839)	Svec 93B

K^+ nucleus	
0.2507	Berdnikov 92
	Berdnikov 91
0.3811 − 0.58	Berdnikov 91C
0.4873	Berdnikov 91B
70	Elnadi 94B
100 − 200	Geist 91

K^+ deuteron	
0.488 − 0.714 (2.523 − 2.649)	Weiss 94
	Sawafta 93
0.705 (2.644)	Kormanyos 95
	Kormanyos 93
< 3.105 (< 3.944)	Hyslop 92
5.98 (5.125)	Svec 91B

K^+ Li	
0.488 − 0.714 (7.142 − 7.298)	Sawafta 93

K^+ ^{6}Li	
0.488 − 0.714 (6.264 − 6.417)	Weiss 94

K^+ Be	
11.2 (16.09)	Akimenko 92
	Akimenko 92B
	Akimenko 90B
250 (65.33)	Appel 94

K^+ C	
0.488 − 0.714 (11.87 − 12.03)	Sawafta 93
0.705 (12.03)	Kormanyos 95
	Kormanyos 93

K^+ ^{12}C	
0.488 − 0.714 (11.86 − 12.03)	Weiss 94

K^+ Mg	
100 (70.9)	Whitmore 94
200 (97.82)	Brick 92

K^+ Al	
250 (114.9)	Agababyan 95
	Agababyan 95B
	Appel 94
	Yandarbiev 93
	Agababyan 92
	Ajinenko 92
	Botterweck 92
	Agababyan 91B
	Agababyan 90C
	Botterweck 90

K^+ Si	
0.488 − 0.714 (26.85 − 27.02)	Sawafta 93

K^+ ^{28}Si	
0.488 − 0.714 (26.77 − 26.94)	Weiss 94

K^+ Ca	
0.488 − 0.714 (38.03 − 38.1)	Sawafta 93
0.705 (38.19)	Kormanyos 95
	Kormanyos 93

K^+ ^{40}Ca	
0.488 − 0.714 (37.95 − 38.12)	Weiss 94

K^+ Cu	
10.5 (68.91)	Blick 94
11.2 (69.51)	Akimenko 92
	Akimenko 92B
	Akimenko 90B
250 (181.9)	Appel 94

K^+ Ag	
100 (173.8)	Whitmore 94
200 (224.3)	Brick 92

K^+ Wt	
250 (339.1)	Appel 94

K^+ Au	
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

K^+ Pb	
0.705 (193.9)	Kormanyos 95
	Kormanyos 93
11.2 (203.9)	Akimenko 92B
	Akimenko 90B

K^- e^-	
250 (0.7062)	Buenerd 92

K^- nucleon	
250 (21.71)	Karchin 95
	Wallace 94

K^- p	
0 (1.432)	Larson 93
	Noble 92
0.44 − 0.5 (1.538 − 1.563)	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
32 (7.822)	Bogolyubsky 95
	Bogolyubsky 94
32.1 (7.834)	Boos 95
32.5 (7.882)	Landsberg 90
38 (8.511)	Kulik 94
79.9 − 140 (12.2 − 16.24)	Apsimon 93
80 − 140 (12.2 − 16.24)	Apsimon 92
	Gebert 92
	Apsimon 91
	Fiedler 91
	Hofmann 91
140 (16.24)	Apsimon 91B
200 − 230 (19.4 − 20.8)	Appel 92
230 (20.8)	Appel 92

K^- nucleus	
1.66	Aoki 95B
	Itow 94
	Aoki 93
	Iijima 92
	Imai 92
	Aoki 91
	Aoki 91E
70	Elnadi 94B

K^- deuteron	
0.87 (2.741)	Piekarz 93
40 (12.4)	Apokin 92

K^- ^{3}He	
0.87 (3.694)	Piekarz 93

K^- ^{4}He	
0 (4.21)	Hayano 91

K^- Be	
40 (27.25)	Antipov 92
	Tyapkin 91
	Antipov 90C
250 (65.33)	Appel 94

K^- C	
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
250 (114.9)	Appel 94

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p ^{34}S

1.696 (33.5)	Vorobiev 94
	Vorobiev 92

p ^{35}Cl

0.1317 (33.55)	Converse 93

p Ar

200 (127.6)	Derado 90B

p ^{39}KK

1.696	Vorobiev 94

p Ca

0.5681 (38.43)	Dementiev 92
1.082 (38.75)	Taddeucci 94
1.084 (38.75)	Chen 93
	Mcclelland 92
800 (247.2)	Conrad 95
	Arneodo 92
	Leitch 92
	Alde 91
	Alde 91D
	Leitch 91
	Spiegel 91
	Alde 90B

p ^{40}Ca

0.5211 (38.33)	Watson 94
1.087 (38.68)	Flanders 91

p ^{42}Ca

0.1996 – 0.3039 (40.08 – 40.11)	Carlson 94

p ^{44}Ca

0.1996 – 0.3039 (41.94 – 41.97)	Carlson 94
0.7927 (42.21)	Baker 91B

p ^{48}Ca

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 Ti

1.46 (46.33)	Barlow 92
3 – 7.5 (47.67 – 51.64)	Vlasov 95
7.5 (51.64)	Vlasov 92
14.97 – 64.99 (57.71 – 88.27)	Gavrishchuk 92
15 – 65 (57.73 – 88.28)	Belyaev 93
	Gavrishchuk 91C
15.97 – 61.99 (58.48 – 86.75)	Gavrishchuk 91B

p ^{54}Fe

0.7927 (51.52)	Hausser 90
0.7927 – 0.9821 (51.52 – 51.65)	Hicks 93

p Fe

1.463 – 3.825 (53.74 – 55.83)	Ishibashi 94
12.9 (63.67)	Shibata 93
70 (99.95)	Belikov 95
	Bunyatov 95
	Barabash 93
	Barabash 92
	Blumlein 92
	Blumlein 92B
	Bozhko 92
	Anikeyev 91
	Blumlein 91
	Ammosov 90B
	Blumlein 90
500 – 5000 (233.9 – 723.1)	Avakyan 91B
	Avakyan 91C
800 (293.2)	Conrad 95
	White 93
	Arneodo 92
	Leitch 92
	Alde 91
	Alde 91D
	Leitch 91
	Spiegel 91
	Alde 90B
	Boca 90
	Streets 89

p Co

12.9 (66.5)	Shibata 93

p ^{59}Co

1.921 (57.06)	Shvedov 93

p ^{58}Ni

0.1948 – 0.3104 (54.98 – 55.01)	Eliyakutrosh 95
4.491 (58.44)	Kozma 91

p Ni

1.696 (56.6)	Andronenko 94
12.9 (66.38)	Shibata 93

p ^{60}Ni

0.1948 – 0.3104 (56.85 – 56.88)	Eliyakutrosh 95
4.491 (60.31)	Kozma 91

p ^{62}Ni

4.491 (62.18)	Kozma 91

p ^{63}Cu

4.491 (63.11)	Kozma 91

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
4.9 (63.9)	Schmidt 92
9 (67.65)	Belzer 92
9.956 (68.48)	Gavrilov 92
10 (68.5)	Boyarinov 94
	Boyarinov 93
	Boyarinov 92
	Boyarinov 92B
	Boyarinov 92C
10.1 (68.6)	Sibirtsev 91
10.14 (68.64)	Boyarinov 91
12.9 (70.97)	Shibata 93
14.6 (72.37)	Abbott 93
	Abbott 92
	Abbott 92B
24 (79.68)	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
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 ^{65}Cu

4.491 (64.98)	Kozma 91

p Zn

0.4539 – 0.5414 (61.94 – 61.98)	Clauton 92B
12.9 (72.7)	Shibata 93

p ^{90}Zr

0.1063 (84.78)	Kimure 94
1.696 (85.76)	Vorobiev 95

p Zr

0.7389 – 1.463 (86.16 – 86.6)	Stamer 93

p Nb

1.463 – 2.359 (88.27 – 89.05)	Lemaire 91
	Lemaire 91B
	Trzaska 91C
2.359 (89.05)	Pluta 93

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 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
	Schmidt 92
100 (173.8)	Whitmore 94
200 (224.3)	Brick 92
	Geist 91
200.9 (224.7)	Awes 95
	Albrecht 93G
	Albrecht 92T
	Kampert 92
450 (317.1)	Akesson 94

p In

1.463 – 3.825 (108.7 – 110.8)	Ishibashi 94

p Sn

3.65 – 8.1 (114.3 – 118.4)	Kozma 91B
9 (119.3)	Belzer 92

p Te

0.1684 – 0.2941 (119.8 – 119.8)	Dacruz 93
2.626 – 5.864 (121.6 – 124.7)	Dacruz 93

p Xe

200 (252.8)	Derado 90B

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
	Armutlijsky 91
10 (178.4)	Boyarinov 94
	Boyarinov 93
	Boyarinov 92
	Boyarinov 92B
	Boyarinov 92C
10.1 (178.4)	Sibirtsev 91
10.14 (178.4)	Boyarinov 91
70 (228.1)	Afanasyev 94
	Afanasyev 93
	Afanasyev 90C

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

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p Wt

Vanhecke 91
200.9 (313.3) Tserruya 95
Lourenco 93
Akesson 92
Akesson 91
Odyniec 91B
Schukraft 91
250 (339.1) Appel 94
450 (428.3) Akesson 92B
Fredj 91
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

p Pt

12 (193.4) Aoki 94
12.9 (194.2) Saito 94
Diebold 93
800 (569) Mishra 94

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
200.9 (327.7) Awes 95
Albrecht 93G
Albrecht 92T
Kampert 92
Albrecht 91
Albrecht 91
Albrecht 91O
450 (445.9) Ceretto 95
800 (572) Sansoni 95
Schub 95
Jansen 94
Kowitt 94
Leitch 94
Jansen 93
Kaplan 93
Kowitt 92

p Au

Peng 92

p ^{197}Au

1.65 (186.2) Hill 91
800 (573.5) Sihver 92

p ^{206}Pb

1.282 Mack 95

p Pb

0.4539 – 0.5414 (194.1 – 194.1) Clauton 92B
0.5681 (194.1) Dementiev 92
0.7389 – 1.463 (194.2 – 194.7) Stamer 93
0.8081 – 0.9543 (194.2 – 194.3) Sakai 94
1 – 12 (194.4 – 204.7) Nakai 91
1.457 (194.7) Prout 95
1.46 (194.7) Barlow 92
1.463 – 2.359 (194.7 – 195.5) Lemaire 91
Lemaire 91B
Trzaska 91C
1.463 – 3.825 (194.7 – 196.9) Ishibashi 94
1.696 – 2.784 (194.9 – 195.9) Daniel 92
2.359 (195.5) Pluta 93
3 – 7.5 (196.1 – 200.4) Vlasov 95
Vorobiev 91
3.35 (196.5) Daniel 92
7.5 (200.4) Doroshkevich 94
Bayukov 93
Vlasov 92
Smirnitsky 91
9 (201.9) Belzer 92
14.6 (207.1) Barrette 95D
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
Beker 94C
Boggild 94
Boggild 94B
Beker 93
450.9 (459.7) Polychronako 92
800 (588.3) Fields 92

p ^{207}Pb

1.282 (194.4) Mack 95

p ^{208}Pb

0.941 (195.1) Matsuoka 95
1.087 (195.2) Flanders 91
1.282 (195.3) Mack 95
1.696 (195.7) Vorobiev 95

p Bi

1.057 – 2.784 (196.1 – 197.6) Pienkowski 94

p ^{238}U

1.037 – 2.032 (223.1 – 223.9) Obukhov 93
1.696 (223.6) Zhdanov 91
Zhdanov 91B

p ^{238}U

Zhdanov 91C
Zhdanov 91D
9.894 (231.4) Obukhov 93

p U

0.105 (222.7) Chen 92
1.057 – 2.784 (223.1 – 224.7) Pienkowski 94
200 (371.3) Baglin 95
Baglin 95B
Baglin 94
Lourenco 94
Akesson 92B
Baglin 92B
Abreu 91E
Baglin 91D
Baglin 91E
Guillaud 91
200.9 (371.9) Tserruya 95
Ronceux 93
Ronceux 93B
Abreu 92M
Baglin 91B
Baglin 91C
Jacob 91
Odyniec 91
Odyniec 91B
Schukraft 91

n e^-

< 0.004335 (< 0.9401) Leeb 92
$10^{-10} - 3.6 \cdot 10^{-7}$ Kopecky 95
? Buenerd 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 p

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
1.26 – 1.43 (2.171 – 2.23) Troyan 93
< 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
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

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) Alekseev 91B
30 – 70 (28.24 – 41.14) Aleev 93E
37.5 – 70 (31.07 – 41.14) Aleev 93D

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He ^{208}Pb

0.7491 – 1.214 (197.6 – 197.7)	Auce 94

^{8}He p

0.3862 (8.391)	Korsheninnik 93

^{8}He Be

1.907 (15.97)	Riisager 92

^{8}He Ni

1.907 (62.35)	Riisager 92

^{8}He Au

1.907 (191.2)	Riisager 92

^{6}Li p

8.39 (7.145)	Punjabi 92

^{6}Li nucleus

27	Lepekhin 95
	Elsharkawy 94
	Lepekhin 94B
< 1206	Baroni 91

^{6}Li C

27 (27.81)	Avramenko 92

^{6}Li Pb

10.15 (204.3)	Daniel 92

^{7}Li p

21 (9.201)	Avramenko 92B
	Avramenko 91C

^{7}Li nucleus

26.74	Yasin 95
28.7	Elnaghy 94
31.76	Elnadi 94C
37.46	Yasin 95

^{7}Li C

21 (25.68)	Avramenko 92B
	Avramenko 91C

^{7}Li Mg

21 (39.38)	Avramenko 92B

^{7}Li Al

21 (42.18)	Avramenko 91C

^{7}Li Cu

21 (78.42)	Avramenko 91C

^{7}Li Pb

21 (213)	Avramenko 92B
	Avramenko 91C

^{8}Li deuteron

0.3454 – 0.457 (9.329 – 9.33)	Balbes 93

^{8}Li C

3.154 (19.02)	Blank 93
	Blank 92

^{8}Li Pb

3.154 (201.1)	Blank 93
	Blank 92

^{9}Li C

3.548 (19.98)	Blank 93
	Blank 92

^{9}Li Al

3.548 (34.05)	Blank 93
	Blank 92

^{9}Li Cu

3.548 (68.21)	Blank 93
	Blank 92

^{9}Li Sn

3.548 (119.6)	Blank 93

^{9}Li Sn

	Blank 92

^{9}Li Pb

3.548 (202.1)	Blank 93
	Blank 92

^{11}Li Be

2.621 (18.79)	Riisager 92

^{11}Li C

4.337 (21.89)	Blank 93
	Blank 92

^{11}Li Ni

2.621 (65.21)	Riisager 92

^{11}Li Sn

4.337 (121.6)	Blank 93
	Blank 92

^{11}Li Au

2.621 (194)	Riisager 92

^{11}Li Pb

4.337 (204.1)	Blank 93
	Blank 92

^{9}Be nucleus

< 1808	Baroni 91

^{11}Be ^{9}Be

3.074 (18.83)	Anne 94

^{11}Be C

2.752 (21.62)	Fukuda 91

^{11}Be Al

2.752 (35.64)	Fukuda 91

^{11}Be Ti

3.074 (55.23)	Anne 94

^{11}Be ^{197}Au

3.074 (195)	Anne 94

^{14}Be Be

3.336 (21.5)	Riisager 92

^{14}Be Ni

3.336 (68.07)	Riisager 92

^{14}Be Au

3.336 (196.9)	Riisager 92

^{11}Bor nucleus

< 2210	Baroni 91

C p

54 (15.15)	Ameeva 94

C nucleus

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

C C

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

C C

	Angelov 92B
	Backovic 92C
	Krpic 92
	Simic 92
	Backovic 91
	Batskovich 91
	Didenko 91B
	Vinitsky 91
	Baatar 90
54 (38.53)	Jipa 95
	Abraamyan 94C
	Besliu 93
	Chkhaidze 92

C Ne

54 (50.5)	Chkhaidze 95
	Jipa 95
	Sarkisyan 93
	Sarkisyan 93B
	Chkhaidze 92
	Gelovani 92

C Fe

$> 6 \cdot 10^4$ (> 2499)	Apanasenko 94

C Cu

22 – 44 (80.94 – 94.89)	Bisplinghoff 94
54 (100.8)	Chkhaidze 95
	Jipa 95
	Abraamyan 94C
	Besliu 93
	Sarkisyan 93
	Sarkisyan 93B
	Chkhaidze 92
	Gelovani 92
	Sarkisyan 92
	Sarkisyan 92B
	Sarkisyan 91
54.04 (100.8)	Brandt 92

C Zr

54 (129.3)	Jipa 95
	Besliu 93

C Ta

50.4 (214.3)	Bazarov 95
	Boos 95
	Simic 95
	Backovic 94
	Bazarov 94
	Agakishiev 92
	Angelov 92
	Backovic 92C
	Agakishiev 91
	Backovic 91
	Batskovich 91

C Pb

20.31 (215.2)	Daniel 92
54 (242.2)	Chkhaidze 95
	Jipa 95
	Besliu 93
	Chkhaidze 92
$> 6 \cdot 10^4$ (> 4816)	Apanasenko 94

^{12}C p

50.4 (14.92)	Belaga 95B
	Bondarenko 94
	Pluta 93
54 (15.14)	Afanasyev 93C

^{12}C nucleus

4.077 – 4.913	Batkin 91
49.14	Belaga 95
52.8	Belaga 95F
54	Ahmad 95
	Belaga 95D
	Khan 95
	Yasinelbakry 95
	Ahmad 94
	Ghosh 94D
	Tariq 94

^{12}C nucleus

	Ahmad 93
	Ahmad 93B
	Ahmad 93C
	Ahmad 93D
	Elnagdy 93
	Ghosh 93C
	Ghosh 93D
	Ghosh 92D
	Ahmad 91
	Ahmad 91B
	Bobodjanov 91
54 – 106.8	Bondarev 93
64.21	Ghosh 94D
< 2411	Baroni 91

^{12}C C

50.4 (37.49)	Bekmirzaev 94
	Bondarenko 94
	Bekmirzaev 93
	Pluta 93
	Backovic 92
	Baatar 91
53.83 (38.48)	Baldin 95
54 (38.52)	Afanasyev 93C

^{12}C ^{12}C

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

^{12}C Al

53.22 (59.08)	Adyasevich 94
	Adyasevich 94B

^{12}C ^{58}Ni

3.584 (65.67)	Xi 93

^{12}C Cu

53.22 (100.3)	Adyasevich 94
	Adyasevich 94B
53.83 (100.7)	Baldin 95
54 (100.8)	Sarkisyan 95
	Sarkisyan 93C

^{12}C Yt

53.83 (126.8)	Fedorets 94

^{12}C Ag

2.329 (111.9)	Chen 94B
53.83 (145.8)	Fedorets 94

^{12}C ^{115}In

3.395 (118.7)	Li 92
3.584 (118.8)	Xi 93

^{12}C Sn

43.8 (149.5)	Kozma 91B

^{12}C Ta

50.4 (214.3)	Bekmirzaev 94B
	Bondarenko 94
	Pluta 93
	Backovic 92

^{12}C ^{197}Au

3.584 (196)	Xi 93

^{12}C Pb

53.22 (241.6)	Adyasevich 94
	Adyasevich 94B
53.83 (242.1)	Baldin 95
54 (242.2)	Elnaghy 94
	Afanasyev 93C
	Bobodjanov 91

^{12}C ^{208}Pb

53.83 (242.8)	Grabez 93

^{13}C C

3.252 (23.5)	Fukuda 91

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^{58}Ni *p*
50.03 – 91.06 (55.2 – 55.84) Chen 94

^{58}Ni Be
74.13 (67.3) Blank 94

^{58}Ni ^{58}Ni
98.04 (133.9) Ritman 95

^{58}Ni Ni
140.3 – 152 (149.5 – 153.5) Schroeter 94

Ni Cu
161.7 (163.4) Justice 95

^{64}Zn ^{48}Ti
16.35 – 24.85 Buta 95

^{64}Zn ^{58}Ni
16.35 – 24.85 Buta 95

^{78}Kr ^{58}Ni
29.52 Pfaff 96

^{84}Kr *p*
85.6 – 188.7 (79.63 – 80.66) Nilsen 95

^{84}Kr nucleus
190.5 Jain 94B
Jain 93C
Jain 93D

^{84}Kr ^{7}Li
28.53 (85.15) Perrin 92

^{84}Kr C
85.6 – 188.7 (94.04 – 104) Nilsen 95

^{84}Kr Al
85.6 – 188.7 (112.2 – 130.5) Nilsen 95

^{84}Kr ^{27}Al
28.53 (104.6) Perrin 92

^{84}Kr ^{59}Co
53.96 (139) Donzaud 95

^{84}Kr Cu
85.6 – 188.7 (152.9 – 183.9) Nilsen 95

^{84}Kr ^{93}Nb
21.65 – 32.03 (166.7 – 168.5) Llope 95

^{84}Kr ^{108}Ag
28.53 (181.7) Perrin 92

^{84}Kr Sn
85.6 – 188.7 (209.8 – 252) Nilsen 95

^{84}Kr ^{197}Au
21.65 – 30.8 (264.6 – 266.7) Peaslee 94
24.05 (265.1) Stuttge 92
28.53 (266.1) Perrin 92
37.22 – 79.92 (268.4 – 285.2) Peaslee 94
53.96 (274.1) Donzaud 95

^{84}Kr Pb
85.6 – 188.7 (296.9 – 349.6) Nilsen 95

Kr *p*
87.25 – 184.2 (79.46 – 80.43) Nilsen 94

Kr nucleus
87.25 – 184.2 Nilsen 94
116.2 Ghosh 94B

Kr Be
90.56 (90.39) Weber 92

Kr C
87.25 – 184.2 (94.01 – 103.4) Nilsen 94

Kr Al
87.25 – 184.2 (112.3 – 129.5) Nilsen 94

Kr Cu
87.25 – 184.2 (153.2 – 182.4) Nilsen 94

Kr Zr
140.9 (201.7) Schwalb 94

Kr Sn
87.25 – 184.2 (210.2 – 250.1) Nilsen 94

Kr Pb
87.25 – 184.2 (297.6 – 347.2) Nilsen 94

^{86}Kr ^{9}Be
93.48 Weber 94

^{86}Kr Cu
93.48 Weber 94

^{86}Kr Zr
145.5 Berg 94

^{86}Kr Ta
93.48 Weber 94

^{86}Kr ^{197}Au
145.5 Aumann 94
Aumann 93

Nb C
222.1 (113.8) Brady 94

Nb Nb
87.89 (190.6) Elaasar 94
161.4 (216) Beedoe 93
211.2 (233.4) Chacon 91

Ag *p*
109.5 – 240.9 (101.9 – 102.9) Nilsen 95
1231 (111.4) Nilsen 94

Ag nucleus
1231 Nilsen 94

Ag Li
109.5 – 240.9 (109.8 – 116.2) Nilsen 95
1231 (161.6) Nilsen 94

Ag C
109.5 – 240.9 (116.4 – 126.7) Nilsen 95
1231 (194.5) Nilsen 94

Ag Al
109.5 – 240.9 (134.9 – 154.4) Nilsen 95
1231 (269.8) Nilsen 94

Ag Cu
109.5 – 240.9 (176.6 – 210.9) Nilsen 95
1231 (399.7) Nilsen 94

Ag Sn
109.5 – 240.9 (234.9 – 282.9) Nilsen 95
1231 (543.4) Nilsen 94

Ag Pb
109.5 – 240.9 (323.6 – 384.8) Nilsen 95
1231 (723.9) Nilsen 94

Xe La
251.3 (322.5) Christie 92
336.6 (352.7) Christie 91

^{129}Xe ^{27}Al
186.8 (161.2) Summerer 95

^{129}Xe Cu
37.7 (180.4) Bruno 94

^{129}Xe ^{139}La
28.03 – 41.8 (250.4 – 252.4) Llope 95

^{129}Xe ^{197}Au
37.37 (307) Mayer 92

^{131}Xe nucleus
254.1 Jain 93C
Singh 92

^{132}Xe *p*
45.51 (123.8) Basova 95B

^{132}Xe nucleus
45.51 Basova 95B
222.1 Basova 95

^{136}Xe Be
198.5 (141.7) Hanelt 93

^{136}Xe C
182.2 (145.4) Schmidt 93B

^{136}Xe Pb
182.2 (372.8) Schmidt 93B

^{139}La *p*
266.5 (131.6) Christie 93B

^{139}La nucleus
250 Palsania 91
266.5 Gill 91

^{139}La C
266.5 (153.4) Christie 93B

^{139}La ^{12}C
35.83 – 38.35 (141.1 – 141.1) Rousselchoma 93
35.83 – 45.15 (141.1 – 141.3) Rousselchoma 93
42.99 – 61.59 (141.2 – 141.8) Bowman 91
198.8 (148) Hashimoto 94

^{139}La ^{27}Al
35.83 – 45.15 (155.4 – 155.9) Rousselchoma 93

^{139}La ^{40}Ca
35.83 – 38.35 (167.8 – 167) Rousselchoma 93

^{139}La ^{51}Va
35.83 – 45.15 (178.3 – 179.1) Rousselchoma 93

^{139}La Cu
35.83 – 45.15 (190.2 – 191.1) Rousselchoma 93
38.35 – 42.99 (190.4 – 190.9) Rousselchoma 93

^{139}La ^{139}La
85.06 – 97.84 (271.4 – 274.9) Miller 93
198.8 (308.2) Hashimoto 94

^{139}La La
275.7 (335.2) Bossy 91

^{139}La Pb
266.5 (410.4) Christie 93B

^{139}La ^{238}U
281.9 (451.1) Deboer 91

La C
265.1 (153.2) Brady 94

La La
194.8 (306.6) Dardenne 94
265.1 (331.4) Christie 93

Ho C
275.6 (175.5) Westphal 91

Ho Cu
275.6 (253.9) Westphal 91

Ho Ag
275.6 (311.6) Westphal 91

Ho Sn
275.6 (324.9) Westphal 91

Ho Pb
275.6 (427.4) Westphal 91

Ho U
275.6 (461.2) Westphal 91

Au *p*
299.1 – 333.3 (185.3 – 185.4) Rusch 94
2080 (193.9) Stocker 95
Waddington 94

Au nucleus
2080 Stocker 95
Waddington 94
2264 Cherry 95
Cherry 94
Cherry 94B
Nilsen 94
2285 Adamovich 95D
Adamovich 95E
Adamovich 95F
Adamovich 95I
Adamovich 94C
Otterlund 93

Au C
239.5 (201.3) Begemannblai 93
Kreutz 93
Hubele 91
299.1 – 333.3 (204.1 – 205.7) Rusch 94
333.3 (205.7) Brady 94
Gilkes 94
2080 (283.7) Stocker 95
Waddington 94
2264 (290.9) Nilsen 94

Au Al
239.5 (222.4) Begemannblai 93
Kreutz 93
Hubele 91
2128 (376.3) Barrette 95B
Voloshin 95
2167 (378) Beavis 95
2264 (385.3) Nilsen 94

Au Cu
239.5 (269) Begemannblai 93
Kreutz 93
Hubele 91
2080 (533.3) Stocker 95
Waddington 94
2128 (538.5) Barrette 95B
Voloshin 95
2167 (542.8) Beavis 95
2264 (553.3) Nilsen 94

Au Ag

2285 (710.3) Stocker 95
Adamovich 94
Adamovich 94B
Otterlund 93

Au Sn

2264 (740.4) Nilsen 94

Au Pt

2128 (918.1) Rusek 95
2266 (944.9) Saito 94
Diebold 93

Au Au

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
Miskowiec 94
Schwalb 94
366.7 (466.7) Wang 95D
2128 (922.5) Barrette 95B
Barrette 95E
Beavis 95B
Miskowiec 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

Au Pb

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

Au U

2128 (1015) Barrette 95B
Voloshin 95

^{197}Au p

2157 (195) Hirzebruch 95
2276 (195.6) Geer 95

^{197}Au nucleus

330.4 Dreute 91
Lewenkopf 91
2276 Cherry 96

^{197}Au nucleus

Geer 95
Jain 95
Mukhopadhya 95
Jain 94
Jain 94B
Singh 94
Singh 94B
2474 Adamovich 95H

^{197}Au C

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

^{197}Au Al

240.7 (223.3) Botvina 95
334 (232) Hanelt 93
Schmidt 93
2157 (378.7) Hirzebruch 95
2240 (384.8) He 93
2257 (385.3) Barrette 93B
2276 (386.5) Geer 95
2435 (396.7) He 94

^{197}Au Fe

2240 (521.1) He 93
2435 (539.2) He 94

^{197}Au Cu

240.7 (270.9) Botvina 95
2157 (541) Hirzebruch 95
2240 (552) He 93
2276 (554.8) Geer 95
2435 (571.4) He 94

^{197}Au Ag

2157 (692.1) Hirzebruch 95

^{197}Au Sn

2240 (738.5) He 93
2276 (742.3) Geer 95
2435 (765.6) He 94

^{197}Au Au

2257 (947) Barrette 93B

^{197}Au ^{197}Au

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

^{197}Au Pb

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

Pb Pb

$3.264 \cdot 10^4$ (3560)
Appelquist 95
$3.271 \cdot 10^4$ (3564)
Boggild 96
$3.28 \cdot 10^4$ (3574)
Adamovich 95E
Margetis 95
$3.331 \cdot 10^4$ (3596)
Alber 95
Boggild 95

Pb Pb

Boggild 95C
Vassiliadis 95

^{208}Pb Cu

351.9 (297.7) Clerc 95

^{208}Pb Pb

$3.306 \cdot 10^4$ (3583)
Alber 95D

^{208}Pb ^{208}Pb

18.42 – 20.95 (387.9 – 388.1)
Villari 93
21.47 (388.1) Tsertos 91B

^{208}Pb ^{232}Th

21.84 (410.5) Tsertos 91B

^{208}Pb ^{238}U

92.16 – 351.9 (426.4 – 514.6)
Polikanov 94

^{209}Bi ^{197}Au

353.6 (469.8) Aumann 94
Aumann 93

^{209}Bi ^{208}Pb

353.6 (481.5) Kuhn 94

Bi Pb

76.06 (394.7) Kugler 94

^{232}Th ^{181}Ta

24.36 (385.3) Bokemeyer 91

^{232}Th ^{232}Th

24.36 (432.9) Bokemeyer 91

^{232}Th ^{238}U

24.36 (438.5) Bokemeyer 91

^{232}Th ^{248}Cm

24.36 Bokemeyer 91

^{238}U nucleus

386.3 Jain 92
Singh 92
391.8 Jain 94B
Jain 93
Jain 93C
Jain 93D

^{238}U Be

289.3 – 402.7 (235.2 – 238.6)
Rubehn 96
Rubehn 95

^{238}U ^{9}Be

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

^{238}U ^{110}Pd

24.99 (324.5) Tsertos 91B

^{238}U Ag

116.1 (330) Justice 94

^{238}U In

289.3 – 402.7 (372.2 – 398.6)
Rubehn 96
Rubehn 95

^{238}U ^{181}Ta

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

^{238}U Au

289.3 – 402.7 (465.4 – 501.5)
Rubehn 96
Rubehn 95

^{238}U ^{197}Au

24.99 (406.7) Tsertos 91B
391.8 (499.1) Hill 91

^{238}U Pb

289.3 – 375.3 (476.6 – 504.6)
Aumann 95

^{238}U ^{208}Pb

24.99 (416.1) Bokemeyer 91

^{238}U ^{232}Th

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

^{238}U ^{238}U

24.78 (444.1) Bokemeyer 91
24.99 (444.1) Bokemeyer 91
24.99 – 25.62 (444.1 – 444.1)
Tsertos 91B

^{238}U U

116.1 (457.5) Justice 94
289.3 – 402.7 (509.9 – 549.7)
Rubehn 96
Rubehn 95

^{238}U ^{248}Cm

24.99 Bokemeyer 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 $p_{\rm lab}$ in GeV/c; then $E_{\rm cm}$ in GeV follows in parentheses. For certain initial states only $E_{\rm cm}$ (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.

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

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

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

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

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

γ

$> 1.6 \cdot 10^{-9}$	Bershady 90	flux
0.03 – 0.42	Galper 93	flux
0.1 – 4	Voronov 93	flux
> 20	Enomoto 92	flux
	Enomoto 92B	flux
> 40	Enomoto 91	flux
$3000 - 1.5 \cdot 10^4$		
	Eschstruth 94	flux
	Baillon 92	flux
$5000 - 5 \cdot 10^6$	He 91B	flux
$> 10^4$	Amenomori 93	flux
	Amenomori 92	flux
$> 5 \cdot 10^4$	Vanstekelenb 93	flux
$> 6 \cdot 10^4$	Ticona 93	flux
$6.5 \cdot 10^4 - 2 \cdot 10^5$		
	Karle 95	flux
$10^5 - 10^6$	Mullazhanov 93	flux
$> 10^5$	Borione 94	angp,flux
	Allen 93B	flux
	Beaman 93	flux
	Gupta 93	flux
	Cronin 92	flux
$> 2 \cdot 10^5$	Ciampa 92	flux
$> 2.5 \cdot 10^5$	Tonwar 91	flux
$> 10^6$	Avakyan 93B	angp,flux
?	Bond 94	flux
	Losecco 93	flux

axion

$2.8 \cdot 10^{-6} - 8.8 \cdot 10^{-6}$		
	Lazarus 92	flux

graviton

?	Astone 93	flux

ν

0.0005 – 0.015	Gates 91	flux
0.004 – 0.3	Dodelson 92	flux
0.07 – 2.5	Losecco 93	flux
2 – 100	Aglietta 91	angp,flux
> 10	Suzuki 91B	flux
$10^4 - 10^6$	Aglietta 94	flux
?	Allison 93	flux
	Enqvist 92	flux
	Koshiba 92	flux
	Totsuka 91	flux,p

ν_e

> 0.0002	Abdurashitov 94	flux
	Morrison 93B	flux
	Rich 93	flux
	Bethe 92	flux
	Morrison 92B	flux
	Spiro 92	flux
	Abazov 91	flux
> 0.00023	Bowles 93	flux
> 0.000233	Anselmann 95B	flux
	Vignaud 95	flux
	Anselmann 94	flux
	Stolarczyk 93	flux
< 0.00042	Anselmann 93	–
	Morrison 93	flux
	Morrison 93B	flux
	Anselmann 92	flux
0.00042 – 0.00086		
	Morrison 93	flux
	Morrison 93B	flux
	Anselmann 92	flux
> 0.0008	Vignaud 95	flux
	Morrison 93B	flux
	Rich 93	flux
	Anselmann 92B	flux
	Bethe 92	flux
	Morrison 92B	flux
	Spiro 92	flux
> 0.00081	Bowles 93	flux
0.005 – 0.01	Suzuki 93	flux
0.005 – 0.02	Vignaud 95	flux
	Suzuki 90B	flux
0.005 – 0.05	Barloutaud 93	flux
	Konishi 93	angp,flux
	Losecco 92	flux
	Mayle 92	flux
	Mukhopadhyay 91	flux
> 0.005	Bowles 93	flux
0.006 – 0.03	Hirata 92	flux
> 0.007	Morrison 93	flux
	Morrison 93B	flux
	Anselmann 92B	flux
	Bethe 92	flux
	Morrison 92B	flux
	Totsuka 92	flux
	Suzuki 90B	flux
0.0075 – 0.015	Kihara 92	flux
> 0.0075	Vignaud 95	flux
	Kajita 92	flux
	Hirata 91B	flux
	Raychaudhuri 91	
		cor,flux
	Suzuki 91C	cor,flux
	Hirata 90C	flux
> 0.0093	Spiro 92	flux
0.01	Grassi 93	flux
> 0.01	Bowles 93	flux
< 0.014	Morrison 93	flux
	Morrison 93B	flux
	Anselmann 92	flux
	Anselmann 92B	flux
0.02 – 0.05	Konishi 93	angp,flux
	Mayle 92	flux
	Mukhopadhyay 91	flux
0.05 – 0.1	Barloutaud 93	flux
0.1 – 1.5	Barloutaud 93	flux
	Beckerszendy 91	flux
> 0.1	Hirata 91C	flux
0.2 – 1.5	Totsuka 92B	flux
0.2 – 2.6	Barloutaud 93	flux
0.2 – 20	Barloutaud 93	flux
> 0.2	Morrison 93	flux
0.3 – 1.5	Beier 92	flux
0.32 – 31.6	Daum 95B	flux,p
0.5 – 2.5	Losecco 95	flux
> 0.8	Morrison 93	flux
< 1	Totsuka 92	flux
> 1	Barloutaud 93	flux
> 1.33	Fukuda 94	flux
< 2	Beier 92	flux
	Totsuka 92	flux
	Casper 90	flux
?	Barloutaud 93	flux
	Suzuki 93	flux
	Kajita 92	flux
	Mori 91	flux
	Perdereau 91	flux

$\overline{\nu}_e$

0.005 – 0.05	Konishi 93	angp,flux
	Losecco 92	flux
	Mayle 92	flux
	Mukhopadhyay 91	flux
0.006 – 0.03	Hirata 92	flux
> 0.0075	Vignaud 95	flux
	Kajita 92	flux
0.009 – 0.05	Dadykin 93	flux
< 0.01	Ketov 92	flux
	Skorokhvatov 92	flux
0.02 – 0.05	Mayle 92	flux
	Mukhopadhyay 91	flux
0.1 – 1.5	Barloutaud 93	flux
	Beckerszendy 91	flux
> 0.1	Hirata 91C	flux
0.2 – 1.5	Totsuka 92B	flux
0.3 – 1.5	Beier 92	flux
0.32 – 31.6	Daum 95B	flux,p
0.5 – 2.5	Losecco 95	flux
< 1	Totsuka 92	flux
< 2	Beier 92	flux
	Totsuka 92	flux
	Casper 90	flux
$6.4 \cdot 10^6$	Aglietta 94	flux
?	Kajita 92	flux
	Hirata 91	flux
	Perdereau 91	flux

ν_μ

0.005 – 0.05	Barloutaud 93	flux
> 0.0075	Vignaud 95	flux
0.05 – 0.1	Barloutaud 93	flux
0.2 – 1.5	Totsuka 92B	flux
0.2 – 2.6	Barloutaud 93	flux
0.2 – 20	Barloutaud 93	flux
$0.25 - 10^4$	Daum 95B	flux,p
0.3 – 1.5	Barloutaud 93	flux
	Beier 92	flux
	Beckerszendy 91	flux
> 0.3	Hirata 91C	flux
0.5 – 2.5	Losecco 95	flux
> 0.8	Fukuda 94	flux
< 1	Totsuka 92	flux
> 1	Barloutaud 93	flux
< 2	Beier 92	flux
	Totsuka 92	flux
	Casper 90	flux
> 2.5	Losecco 93	flux
?	Barloutaud 93	flux
	Kajita 92	flux
	Perdereau 91	flux

$\overline{\nu}_\mu$

> 0.0075	Vignaud 95	flux
0.2 – 1.5	Totsuka 92B	flux
$0.25 - 10^4$	Daum 95B	flux,p
0.3 – 1.5	Barloutaud 93	flux
	Beier 92	flux
	Beckerszendy 91	flux
> 0.3	Hirata 91C	flux
0.5 – 2.5	Losecco 95	flux
< 1	Totsuka 92	flux
< 2	Beier 92	flux
	Totsuka 92	flux
	Casper 90	flux
?	Kajita 92	flux
	Perdereau 91	flux

$e^\pm$

> 1	Enomoto 91B	flux

e^-

0.0449 – 0.52	Galper 93	flux
1.3 – 26	Golden 92	flux
4.5 – 50	Barwick '96	flux,p

e^+

1.3 – 26	Golden 92	flux
4.5 – 50	Barwick 96	flux,p

$\mu^\pm$

> 1	Ahlen 95	angp,flux
	Glushkov 95	
		angp,flux,p
	Hayashida 95	flux,p
	Beckerszendy 92	flux
> 1.7	Mori 93	angp,flux
	Mori 92	angp,flux
	Mori 92B	angp,flux
	Mori 91B	angp,flux
	Mori 91C	angp,flux
> 30	Suzuki 93	ang,flux
> 700	Thomson 91	flux
$1000 - 5 \cdot 10^4$	Ambrosio 95	flux,p
$1000 - 10^5$	Lamanna 93	flux
10^4	Adarkar 91	flux
$> 2 \cdot 10^4$	Ahlen 92B	flux
$> 3 \cdot 10^4$	Aglietta 94	flux
?	Wischnewski 94	flux
	Beckerszendy 93	flux
	Dicredico 93	flux
	Palamara 93	flux
	Totsuka 92B	flux

μ^-

> 0.9944	Aglietta 95	angp,flux
1000 – 1600	Yamada 91	
		angp,flux,pol
?	Munakata 91	flux

μ^+

0.2 – 2	Aglietta 91	angp,flux
1000 – 1600	Yamada 91	angp,flux,pol
?	Munakata 91	flux

heavy-ν

0.004 – 0.3	Dodelson 92	flux

q

?	Mori 90	flux

neutralino

?	Bottino 92	flux

dark

?	Alcock 95	flux
	Bacci 94	flux
	Mosca 94	flux
	Su 94	const
	Bacci 93	flux
	Smith 93	const
	Stubbs 93	const
	Bacci 92	flux
	Bacci 92B	flux
	Bottino 92	flux
	Bacci 91	flux
	Verkerk 91	flux

monopole

?	Ahlen 94	flux
	Beckerszendy 94	–
	Adams 93E	flux
	Allison 93	flux
	Hong 93	flux
	Thron 92	flux
	Thron 92B	flux

unspec

$3 \cdot 10^7 - 3 \cdot 10^{10}$	Hayashida 95	flux
$10^8 - 10^{11}$	Sokolsky 92	flux
$> 3 \cdot 10^9$	Yoshida 95	flux
$1.7 \cdot 10^{11} - 2.6 \cdot 10^{11}$	Hayashida 94	flux

charged

> 60	Hirata 92	flux
$6.5 \cdot 10^4 - 2 \cdot 10^5$	Karle 95	flux

hadron

$3.2 - 1.78 \cdot 10^4$	Mielke 94	flux
$> 5 \cdot 10^9$	Glushkov 95	flux

hadron^0

$10 - 10^4$	Kornmayer 95	flux

charged-hadron

$10 - 10^4$	Kornmayer 95	flux

nucleon

$900 - 1.2 \cdot 10^4$	Bakatanov 92	flux

p

0.5992 – 1.09	Yoshimura 95	flux
0.8 – 1.8	Bogomolov 94	flux
> 2000	Ivanenko 93	a-dep,flux
$10^4 - 2 \cdot 10^5$	Zatsepin 94	flux
	Adamov 93B	flux
$2 \cdot 10^4 - 4 \cdot 10^5$	Zatsepin 94B	flux
$2 \cdot 10^4 - 2 \cdot 10^6$	Vildanova 94B	flux
$5 \cdot 10^4 - 5 \cdot 10^5$	Aglietta 94B	flux,p
$10^5 - 2 \cdot 10^6$	Antonov 94	flux,p
$10^6 - 10^8$	Atrashkevich 94	flux
$3 \cdot 10^8 - 10^{11}$	Bird 93	a-dep,flux

n

$10 - 10^4$	Kornmayer 95	flux

$\overline{p}$

0.5992 – 1.09	Yoshimura 95	flux

strangelet

?	Astone 93B	flux
	Ahlen 92C	flux
	Nakamura 91	flux
	Orito 91	flux

nucleus

$100 - 10^7$	Adamov 94	a-dep,flux
> 2000	Ivanenko 93	a-dep,flux
$10^4 - 10^5$	Varkovitskay 93	flux
$10^4 - 2 \cdot 10^5$	Zatsepin 94	flux
$10^4 - 10^9$	Adamov 93B	flux
$2 \cdot 10^4 - 2 \cdot 10^6$	Vildanova 94B	flux
$3 \cdot 10^4 - 10^7$	Longley 95	a-dep,flux,p
$5 \cdot 10^4 - 5 \cdot 10^5$	Aglietta 94B	a-dep,flux,p
$5 \cdot 10^4 - 5.6 \cdot 10^8$	Ahlen 92	a-dep,flux
$10^5 - 2 \cdot 10^6$	Antonov 95	flux,p
	Antonov 95B	angp,flux,p
$10^6 - 10^7$	Danilova 92	a-dep,flux
$10^6 - 10^8$	Atrashkevich 94	flux
	Voevodsky 93	a-dep,flux
$10^6 - 5 \cdot 10^8$	Atrashkevich 93	a-dep,flux
$10^6 - 10^{11}$	Vildanova 94	flux,p
$> 10^7$	Barnaveli 95	flux
$3 \cdot 10^8 - 10^{10}$	Gaisser 93	a-dep,flux
$3 \cdot 10^8 - 10^{11}$	Bird 93	a-dep,flux
?	Su 94	const

deuteron

1.6 – 3.6	Bogomolov 94	flux
2.926 – 5.144	Bogomolov 95	flux

^{3}He

17.27	Hatano 95	flux

^{4}He

3.2 – 7.2	Bogomolov 94	flux
5.838 – 10.27	Bogomolov 95	flux
23.03	Hatano 95	flux
$5 \cdot 10^4 - 5 \cdot 10^5$	Aglietta 94B	flux,p
$10^6 - 10^8$	Atrashkevich 94	flux

He

> 2000	Ivanenko 93	a-dep,flux
$10^4 - 2 \cdot 10^5$	Zatsepin 94	flux

Fe

$5 \cdot 10^4 - 5 \cdot 10^5$	Aglietta 94B	flux,p
$10^6 - 10^8$	Atrashkevich 94	flux

$\gamma\,\gamma$

mult[jet]			
	(0.3 – 20)	Morgan 94	cs,mult
e^- X			
	(< 3)	Iwasaki 94	cs,pt
e^+ X			
	(< 3)	Iwasaki 94	cs,pt
mult[charged-hadron] X			
	(4 – 15)	Kim 93	mult
		Tanaka 92	mult
jet X			
	(2 – 3.873)	Finch 93	pt
		Tanaka 91	col,pt
	(0.3 – 20)	Morgan 94	cs,mult
	(4 – 15)	Kim 93	pt
		Tanaka 92	pt
hadron (hadrons)			
	(0.3 – 20)	Morgan 94	cs,mass,p,pt
	(2 – 25)	Buskulic 93G	cs,pt
charged-hadron X			
	(4 – 15)	Kim 93	pt
		Tanaka 92	pt
vmeson (hadrons)			
	(0.3 – 20)	Morgan 94	cs,mass,p,pt
π^0 X			
	(< 10)	Karch 91C	cs
η X			
	(< 10)	Karch 91C	cs
η' X			
	(< 10)	Karch 91C	cs
$a_0(980)^0$ X			
	(< 10)	Karch 91C	cs
$f_2(1270)$ X			
	(< 10)	Karch 91C	cs
$a_2(1320)^0$ X			
	(< 10)	Karch 91C	cs
$f_0(1590)$ X			
	(< 10)	Karch 91C	cs
$\pi_2(1670)^0$ X			
	(< 10)	Karch 91C	cs
$f_J(1710)$ X			
	(< 10)	Karch 91C	cs
charm X			
	(< 3)	Iwasaki 94	cs
	(4 – 20)	Uehara 93	cs
$\overline{\text{charm}}$ X			
	(< 3)	Iwasaki 94	cs
2hadron (hadrons)			
	(2 – 25)	Itoh 95	cs
	(4 – 9)	Behrend 91	angp,col,pt
2γ X			
	(< 10)	Karch 91C	mass
$p\ \overline{p}$ X			
	(2 – 9)	Uehara 95	ang,cs,p,pt
$p\ \overline{\Lambda}$ X			
	(2 – 9)	Uehara 95	ang,cs,p,pt
$\Lambda\ \overline{\Lambda}$ X			
	(2 – 9)	Uehara 95	ang,cs,p,pt
3hadron (hadrons)			
	(1.25 – 4.25)	Baru 92	cs
charged-hadron 2hadron (hadrons)			
	(1.25 – 4.25)	Baru 92	mult
4hadron (hadrons)			
	(2 – 3.873)	Finch 93	col
		Tanaka 91	col
4charged-hadron (hadrons)			
	(4 – 15)	Kim 93	col,cs
		Tanaka 92	col,cs
4γ X			
	(< 10)	Karch 91C	mass
$2\pi^+\ 2\pi^-$ X			
	(1.1 – 2.3)	Albrecht 90M	mass
$\pi^+\ \pi^-\ 3\gamma$ X			
	(0.5 – 3.5)	Bauer 93	cs
6γ X			
	(< 10)	Karch 91C	mass
10γ X			
	(< 10)	Karch 91C	mass
meson^0			
	(0.7 – 1.6)	Harjes 91B	–

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$\gamma\,\gamma$		
meson^0		
(1.525)	Bauer 93	cs
(<5)	Karch 91	cs
?	Feindt 90	–
π^0		
(0.135)	Bienlein 91	amp
η		
(0.545)	Bienlein 91	amp
η'		
(0.958)	Bienlein 91	amp
	Karch 91	–
$f_0(975)$		
(0.98)	Bienlein 91	–
	Karch 91	–
	Feindt 90	–
$a_0(980)$		
(0.908)	Feindt 90	–
$f_0(1240)$		
(1.24)	Bienlein 92	–
	Bienlein 91	–
	Karch 91	–
$f_2(1270)$		
(1.27)	Bienlein 91	–
	Blinov 91B	–
	Bienlein 92	–
	Harjes 91B	–
	Karch 91	–
	Feindt 90	–
$f_2(1270) < \pi^+\,\pi^- >$		
(1.275)	Yabuki 94	cs
$\eta(1295)$		
(1.295)	Bienlein 91	amp
$\pi(1300)^0$		
(1.3)	Lafferty 92	cs
	Bienlein 91	amp
($1.5-3.5$)	Kriznic 94	cs
$a_2(1320)$		
(1.32)	Feindt 90	–
$a_2(1320)^0$		
(1.32)	Lafferty 92	cs
($1.5-3.5$)	Kriznic 94	cs
$f_0(1400)$		
(1.37)	Feindt 90	–
$f_2(1520)$		
(1.52)	Feindt 90	–
$f_0(1525)$		
(1.525)	Feindt 90	–
$f_2'(1525)$		
(1.525)	Acciarri 95O	cs
	Harjes 91B	–
	Feindt 90	–
$f_0(1590)$		
(1.59)	Bienlein 91	–
	Harjes 91B	–
	Feindt 90	–
$\pi_2(1670)^0$		
($1.5-3.5$)	Kriznic 94	cs
(1.67)	Lafferty 92	cs
	Karch 91	–
$f_J(1710)$		
(1.71)	Feindt 90	–
$f_2(1810)$		
(1.81)	Harjes 91B	–
$\eta_2(1870)$		
(1.87)	Bienlein 92	–
$X(2200)$		
(2.2)	Feindt 90	–
$\eta_c(1S)$		
(2.98)	Adriani 93K	cs
$\chi_{c2}(1P)$		
(3.555)	Uehara 91	cs

$\gamma\,\gamma$		
$\chi_{c2}(1P)$		
(3.556)	Bauer 93C	cs
	Shelkov 93	cs
exotic-meson		
?	Achasov 91	–
$X(1600)$		
($1.1-2.3$)	Albrecht 90M	–
$e^-\,e^+$		
($0.35-1.6$)	Kaloshin 94	angp,cs
2γ		
($0.1-1.5$)	Bienlein 91	amp
$2\pi^0$		
($0.8-2$)	Kaloshin 94	angp,cs
	Bienlein 91	cs,pwa
(<5)	Karch 91	angp,cs,mass,pwa
(<10)	Bienlein 92	cs,pwa
?	Feindt 90	angp,cs,mass
$\pi^+\,\pi^-$		
($0.7-1.6$)	Kaloshin 94	angp,cs
	Harjes 91B	angp,cs,pwa
($0.75-2$)	Harjes 91	angp,cs,pwa
($1-1.5$)	Yabuki 94	angp,cs,pwa
(<10)	Blinov 91B	mass
?	Feindt 90	angp,cs,mass
$\eta\,\pi^0$		
?	Achasov 91	cs
	Feindt 90	cs,mass
2η		
($1-2.1$)	Bienlein 91	cs
(<10)	Bienlein 92	cs,pwa
?	Feindt 90	–
$\rho^+\,\pi^-$		
($1.5-3.5$)	Kriznic 94	mass
($1.9-2.3$)	Lafferty 92	mass
$\rho^-\,\pi^+$		
($1.5-3.5$)	Kriznic 94	mass
($1.9-2.3$)	Lafferty 92	mass
$2\rho^0$		
($1.1-2.3$)	Albrecht 90M	mass,pwa
?	Achasov 91	cs
	Feindt 90	cs,mass
$\rho^+\,\rho^-$		
($1.2-2.2$)	Albrecht 91N	cs,mass,pwa
?	Achasov 91	cs
$\omega\,\rho^0$		
($1.3-3$)	Behrend 90C	cs
($1.9-2.3$)	Lafferty 92	cs
?	Achasov 91	cs
2ω		
($1.6-3$)	Albrecht 95G	cs
?	Achasov 91	cs
$a_0(980)\,\pi^0$		
(<5)	Karch 91	ang,mass
$f_2(1270)\,\pi^0$		
(<5)	Karch 91	mass
$a_2(1320)\,\pi^0$		
(<5)	Karch 91	ang,mass
$\rho(1700)^0\,\rho^0$		
($2-7.5$)	Behrend 90F	cs
$K^0\,\overline{K}^0$		
?	Feindt 90	cs,mass
$K^+\,K^-$		
?	Feindt 90	cs,mass
$K^*(892)^0\,\overline{K}^*(892)^0$		
?	Achasov 91	cs
$K^*(892)^+\,K^*(892)^-$		
?	Achasov 91	cs
$\phi(1020)\,\rho^0$		
($1.5-3.5$)	Kriznic 94	cs

$\gamma\,\gamma$		
$\phi(1020)\,\rho^0$		
($1.6-3.4$)	Albrecht 94B	ang,cs
($1.9-2.3$)	Lafferty 92	cs
?	Achasov 91	cs
$\phi(1020)\,\omega$		
($1.5-3.5$)	Kriznic 94	cs
($1.9-2.3$)	Lafferty 92	cs
($2.1-3.4$)	Albrecht 94B	cs
?	Achasov 91	cs
$2\phi(1020)$		
?	Achasov 91	cs
$p\,\overline{p}$		
($2-3.25$)	Artuso 93	angp,cs
$\ell^+\,\ell^-\,\gamma$		
(3.56)	Shelkov 93	mass
$\pi^+\,\pi^-\,\gamma$		
($0.5-3.5$)	Bauer 93	cs
$3\pi^0$		
(<5)	Karch 91	mass
$\pi^+\,\pi^0\,\pi^-$		
($1.5-3.5$)	Kriznic 94	mass
($1.9-2.3$)	Lafferty 92	mass
$\eta\,2\pi^0$		
(<5)	Karch 91	ang,mass
(<10)	Bienlein 92	cs,pwa
$\rho^+\,\pi^0\,\pi^-$		
($1.2-2.2$)	Albrecht 91N	cs
$\rho^-\,\pi^+\,\pi^0$		
($1.2-2.2$)	Albrecht 91N	cs
4γ		
(<5)	Karch 91	mass,pt
(<10)	Bienlein 92	mass
nonres $< 4\pi >$		
($1.2-2.2$)	Albrecht 91N	cs
$\pi^+\,2\pi^0\,\pi^-$		
($1.2-2.2$)	Albrecht 91N	mass
$2\rho^0\,\pi^+\,\pi^-$		
($1.5-5.5$)	Pust 91	cs
($2-7.5$)	Behrend 90F	cs,mass
$\omega\,\pi^+\,\pi^0\,\pi^-$		
($1.6-3$)	Albrecht 95G	cs
$K^+\,K^-\,\pi^+\,\pi^-$		
($1.5-3.5$)	Kriznic 94	angp,cor,mass
($1.9-2.3$)	Lafferty 92	mass
$2\pi^+\,\pi^0\,2\pi^-$		
($1.9-2.3$)	Lafferty 92	mass,pwa
(<4)	Behrend 90C	cs,mass,pwa
$\eta\,2\pi\,2\gamma$		
?	Burchell 92	–
$\rho^0\,2\pi^+\,2\pi^-$		
($1.5-5.5$)	Pust 91	cs,mass
($2-7.5$)	Behrend 90F	cs,mass
$K\,\overline{K}\,\pi\,2\gamma$		
?	Burchell 92	–
$K^+\,K^-\,\pi^+\,\pi^0\,\pi^-$		
($1.5-3.5$)	Kriznic 94	angp,cor,mass
($1.9-2.3$)	Lafferty 92	mass
6γ		
(<5)	Karch 91	mass,pt
(<10)	Bienlein 92	mass
$2\pi^+\,2\pi^0\,2\pi^-$		
($1.6-3$)	Albrecht 95G	cs
$3\pi^+\,3\pi^-$		
($1.5-5.5$)	Pust 91	cor,cs,mass
($1.6-7.5$)	Behrend 90F	angp,cs,mass
8γ		
(<5)	Karch 91	mass,pt

$\gamma\ \gamma$

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			
	$(10^{-16} - 10^{-12})$	Ruoso 92	cs
		Ruoso 92B	cs
	$(< 10^{-12})$	Cameron 93	cs
		Cameron 92	cs
meson^0			
	$(10^{-16} - 10^{-12})$	Ruoso 92B	cs
	$(< 10^{-12})$	Cameron 93	cs
		Cameron 92	cs
$\mu^-\ \mu^+$			
	$(0.25 - 12)$	Akers 93C	cs
$\tau^-\ \tau^+$			
	$(0.25 - 12)$	Akers 93C	cs
2γ			
	$(10^{-16} - 10^{-12})$	Ruoso 92B	p
	$(< 10^{-12})$	Cameron 92	const,cs
$\gamma\ \gamma^*$			
	$(< 10^{-12})$	Cameron 93	asym
		Cameron 92	asym

$\gamma\ e^-$

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

$\bar{c}$ X + c X			
	$80 - 160$	Kwan 93	cs
		Alvarez 92	cs
$D^\pm$ X			
	$50 - 150$	Alvarez 91	–
$D^\pm$ 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 + $\overline{D}^0$ X			
	$80 - 160$	Kwan 93	cs,p
		Alvarez 92	cs,p,pt
D^0 X			
	$50 - 200$	Alvarez 90D	cs
$\overline{D}$ X			
	$80 - 160$	Kwan 93	cs
		Alvarez 92	cs
$D_s^\pm$ 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
$\overline{\Lambda}_c^-$ X			
	$80 - 160$	Alvarez 92	cs
$D\ \overline{D}$ 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

$\gamma\ p$

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
	$(186 - 233)$	Levy 95	cs
		Lohr 95	cs
		Derrick 92	cs
	(197)	Haas 94	cs
		Harnew 94	cs
	(200)	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
$2\mathrm{DD} < \mathrm{X} >$			
	$(167 - 194)$	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
	(180)	Derrick 95G	p,pt
	(200)	Kiesling 94	pt
		Levonian 93	et,pt
jet X			
	$(100 - 295)$	Lohr 95	cs,p,pt

$\gamma\ p$

jet X			
		Derrick 93C	cs,p,pt
	$(135 - 265)$	Harnew 94	et,p
	$(150 - 250)$	Kiesling 94	et,p
		Abt 93D	angp,et
		Erdmann 93	p,pt
	$(167 - 194)$	Abramowicz 93	et
	$(175 - 250)$	Levy 95	pt
		Krasny 93B	pt
		Wolf 92	pt
	(179)	Dainton 94	angp,et
		Deroeck 94	angp,et
		Berger 93	angp,et,pt
$\mathrm{DD} < \mathrm{X} > \gamma$			
	$(167 - 194)$	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
	(200)	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
$\overline{K}^*(892)^0$ 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
$\overline{\text{charm}}$ 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
$\mathrm{DD} < \mathrm{X} > p$			
	$(167 - 194)$	Abramowicz 93	cs
		Pavel 93	cs

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$\gamma\, p$

Λ_c^+ X		
100	Spiegel 91	cs
$\overline{\Lambda}_c^-$ X		
100	Spiegel 91	cs
charged (chargeds) X		
(200)	Burow 94	angp,cor,p,pt
(jets) jet X		
(150 – 250)	Burow 94	cs,et,mult,p
2jet X		
50 – 400	Conrad 95	a-dep,ang,pt
	Naples 94	a-dep,ang,pt
(100 – 295)	Lohr 95	cs,mass,p,pt
	Derrick 93C	cs,mass,p,pt
	Derrick 92B	cs,pt
(100 – 300)	Labarga 94	ang,cor,et,p
(135 – 265)	Haas 94	et,p
	Harnew 94	et,mass,p
(140 – 300)	Feld 93	ang,cor,et,p
(150 – 250)	Erdmann 93	p,pt
(167 – 194)	Abramowicz 93	p
	Pavel 93	p
(175 – 250)	Wolf 92	cor
(179)	Dainton 94	p
	Deroeck 94	p
	Berger 93	p
(200)	Colombo 94	angp,cor,et,p
hadron (hadrons) X		
(150 – 250)	Ahmed 94C	col,et,p,pt
(185)	Aid 95H	angp,et
(200)	Feltesse 94	cor,et,p,pt
2γ X		
0.627 – 0.79	Krusche 95C	mass
60 – 170	Apsimon 92	mass
$\bar{c}\, c$ X		
(115 – 275)	Bargende 95	cs
	Derrick 95	cs
	Garbincius 95	cs
$\pi^+\, \pi^-$ X		
65 – 175	Apsimon 92B	mass
	Fiedler 91	mass
	Hofmann 91	mass,p,pt
$K^+\, \pi^-$ X		
65 – 175	Gebert 92	mass
$K^-\, \pi^+$ X		
65 – 175	Gebert 92	mass
$K^-\, \rho^+$ X		
80 – 230	Anjos 92C	mass
$K_S\, \rho^0$ X		
80 – 230	Anjos 92C	mass
$K^-\, a_1(1260)^+$ X		
80 – 230	Anjos 92D	cs,mass
$K_S\, a_1(1260)^+$ X		
80 – 230	Anjos 92D	cs,mass
$K^-\, a_2(1320)^+$ X		
80 – 230	Anjos 92D	cs,mass
$K_S\, a_2(1320)^+$ X		
80 – 230	Anjos 92D	cs,mass
$K^+\, K^-$ X		
65 – 175	Gebert 92	mass
$\overline{K}^*(892)^0\, \pi^+$ X		
80 – 230	Anjos 92C	mass
$\overline{K}^*(892)^0\, \pi^0$ X		
80 – 230	Anjos 92C	mass
$K^*(892)^-\, \pi^+$ X		
80 – 230	Anjos 92C	mass
$\overline{K}^*(892)^0\, \rho^+$ X		
80 – 230	Anjos 92D	cs,mass
$\overline{K}^*(892)^0\, \rho^0$ X		
80 – 230	Anjos 92D	cs,mass
$\overline{K}^*(892)^0\, f_0(975)$ X		
80 – 230	Anjos 92D	cs,mass
$K_1(1270)^0\, \pi^+$ X		
80 – 230	Anjos 92D	cs,mass
$K_1(1270)^-\, \pi^+$ X		
80 – 230	Anjos 92D	cs,mass
$K_1(1400)^0\, \pi^+$ X		
80 – 230	Anjos 92D	cs,mass
$\overline{K}_2^*(1430)^0\, \pi^+$ X		
80 – 230	Anjos 92C	mass
$\overline{K}^*(1680)^0\, \pi^+$ X		
80 – 230	Anjos 92C	mass
2charged (chargeds) X		
(179)	Dainton 94	ang,col
	Deroeck 94	ang,col
(jets) 2jet X		
50 – 400	Adams 94	ang,p,pt
hadron (hadrons) jet X		
(200)	Feltesse 94	cor,et,p,pt
$K^-\, 2\pi^+$ X		
80 – 230	Anjos 92C	mass
$K^-\, \pi^+\, \pi^0$ X		
80 – 230	Anjos 92C	mass
$K_S\, \pi^+\, \pi^-$ X		
80 – 230	Anjos 92C	mass
$K^-\, \rho^+\, \pi^+$ X		
80 – 230	Anjos 92D	cs,mass
$K^-\, \rho^0\, \pi^+$ X		
80 – 230	Anjos 92D	cs,mass
$K_S\, \rho^0\, \pi^+$ X		
80 – 230	Anjos 92D	cs,mass
$K^-\, f_0(975)\, \pi^+$ X		
80 – 230	Anjos 92D	cs,mass
$K_S\, f_0(975)\, \pi^+$ X		
80 – 230	Anjos 92D	cs,mass
$\overline{K}^*(892)^0\, \pi^+\, \pi^0$ X		
80 – 230	Anjos 92D	cs,mass
$\overline{K}^*(892)^0\, \pi^+\, \pi^-$ X		
80 – 230	Anjos 92D	cs,mass
$K^*(892)^-\, 2\pi^+$ X		
80 – 230	Anjos 92D	cs,mass
e^- (hadrons) 2jet X		
(60 – 250)	Derrick 94F	ang,cor,et,p,pt
γ hadron 2jet X		
(135 – 280)	Derrick 95O	cor,cs,et,p
$K^-\, 2\pi^+\, \pi^0$ X		
80 – 230	Anjos 92D	cs,mass
$K^-\, 2\pi^+\, \pi^-$ X		
80 – 230	Anjos 92D	cs,mass
$K_S\, 2\pi^+\, \pi^-$ X		
80 – 230	Anjos 92D	cs,mass
$p\, \gamma$		
0.032 – 0.072	Federspiel 91	angp,p
0.07 – 0.15	Macgibbon 95	angp,cs
0.098 – 0.132	Zieger 92	angp
0.136 – 0.289	Hallin 93	angp,p
0.55 – 0.95	Adamyan 91	angp,asym
(167 – 194)	Abramowicz 93	cs
	Pavel 93	cs
DD $< \gamma >$ p		
(167 – 194)	Levy 95	cs
	Lohr 95	cs
	Derrick 94	cs
	Abramowicz 93	mass
n meson$^+$		
17.6 – 21	Condo 91	cs
$p\, \pi^0$		
0.243 – 0.314	Blanpied 92	angp,asym
0.7 – 1.6	Bagdasaryan 91	angp,pol,pwa
0.875 – 1.175	Avakyan 91	pol
$n\, \pi^+$		
0.21 – 0.96	Buchler 91	angp,p
0.22 – 0.9	Buchler 94	angp
$p\, \eta$		
0.627 – 0.79	Krusche 95C	cs
0.7 – 1	Anton 92	angp,cs,pwa
0.707 – 0.723	Anton 92	cs
0.707 – 0.79	Krusche 95	angp,cs
0.708 – 0.72	Price 95	cs
0.729 – 0.753	Dytman 95	angp,cs
1.15	Breuer 95	angp
$p\, \rho^0$		
(10 – 100)	Burow 94	cs
(20 – 80)	Levonian 93	cs
(55 – 187)	Aid 96	angp,cs
(60 – 80)	Haas 94	cs
(167 – 194)	Levy 95	cs
	Lohr 95	cs
	Derrick 94	cs
	Abramowicz 93	cs
(200)	Aid 95F	cs
	Barreiro 94	cs,pt
DD $< p >$ ρ^0		
(167 – 194)	Levy 95	cs
	Lohr 95	cs
	Derrick 94	cs
DD $< p >$ ω		
(167 – 194)	Levy 95	cs
	Lohr 95	cs
	Derrick 94	cs
$p\, \omega$		
(10 – 100)	Burow 94	cs
(167 – 194)	Levy 95	cs
	Lohr 95	cs
	Derrick 94	cs
(200)	Aid 95F	cs
$n\, a_2(1320)^+$		
19.3	Condo 93	cs
$n\, \pi_2(1670)^+$		
17.6 – 21	Condo 91	cs
DD $< p >$ $\phi(1020)$		
(167 – 194)	Levy 95	cs
	Lohr 95	cs
	Derrick 94	cs
$p\, \phi(1020)$		
1.5 – 1.95	Merkel 93	cs
(10 – 100)	Burow 94	cs
(60 – 80)	Derrick 95Q	angp,cs
(167 – 194)	Levy 95	cs
	Lohr 95	cs
	Derrick 94	cs
(200)	Aid 95F	cs
	Barreiro 94	cs,pt
$p\, J/\psi(1S)$		
(30 – 180)	Haas 94	cs
(40 – 140)	Derrick 95F	cs
	Haas 94	cs
(40 – 160)	Mass 95	angp,cs
(200)	Garbincius 95	cs,pt
	Barreiro 94	cs,pt
$p\, C(1480)^0$		
20 – 70	Landsberg 91	cs
$\Delta(1232\, P_{33})^{++}$ meson$^-$		
17.6 – 21	Condo 91	cs
$\Delta(1232\, P_{33})^+\, \rho^0$		
19.3	Condo 94	cs
$\Delta(1232\, P_{33})^{++}\, \pi_2(1670)^-$		
17.6 – 21	Condo 91	cs

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γ deuteron

Final state	Momentum	Reference	Data
$p\ n$			
	0.25 – 0.5	Ganenko 93	angp,cs
	0.29 – 0.45	Avakyan 91E	angp,p,pol
	0.3 – 0.6	Ganenko 92B	pol
	0.8 – 1.8	Freedman 93B	angp,cs
	1.5 – 2.8	Belz 95	angp
$\Delta(1232\,P_{33})^{++}\ \Delta(1232\,P_{33})^-$			
	0.57 – 0.85	Asai 92	cs
deuteron π^0			
	< 1	Garcilazo 95	angp,pol
$2p\ \pi^-$			
	0.4 – 0.7	Schenk 93	ang,angp,cs,mass,p
$p\ n\ \pi^0$			
	0.29	Adams 95B	angp,asym
$n\ \Delta(1232\,P_{33})^{++}\ \pi^-$			
	0.5 – 0.7	Schutz 93	ang,mass,p
n(spect) $\Delta(1232\,P_{33})^{++}\ \pi^-$			
	0.57 – 0.85	Asai 92	cs
$p\ \Delta(1232\,P_{33})^+\ \pi^-$			
	0.5 – 0.7	Schutz 93	ang
$n\ \Delta(1232\,P_{33})^0\ \pi^+$			
	0.5 – 0.7	Schutz 93	ang,mass,p
$p\ \Delta(1232\,P_{33})^-\ \pi^+$			
	0.5 – 0.7	Schutz 93	ang
$p\ n\ \pi^+\ \pi^-$			
	0.5 – 0.7	Schutz 93	ang,mass
	0.57 – 0.85	Asai 92	angp,p
n(spect) $p\ \pi^+\ \pi^-$			
	0.57 – 0.85	Asai 92	cs

$\gamma\ ^3$He

Final state	Momentum	Reference	Data
p X			
	0.195 – 0.304	Ruth 94	angp,asym
	1.2	Zybalov 95	pol
$\Delta(1232\,P_{33})$ X			
	0.145 – 0.225	Maruyama 93	cs
deuteron p			
	0.145 – 0.425	Maruyama 93	a-dep,cs,mass
	0.166 – 0.213	Kolb 94	angp
	0.2 – 0.8	Isbert 94	angp
^{3}H π^+			
	0.21 – 0.45	Dhose 93	angp
$2p\ n$			
	0.09 – 0.25	Sarty 93	angp,cs
	0.135 – 0.455	Emura 94B	angp,cs,p
	0.145 – 0.425	Maruyama 93	a-dep,cs,mass
	0.2 – 0.45	Audit 93	angp,mass,p
	0.2 – 0.5	Emura 94	angp,mass,p
	0.235 – 0.305	Tedeschi 94	angp,asym
deuteron $n\ \pi^+$			
	0.21 – 0.45	Dhose 93	angp
$3p\ \pi^-$			
	0.21 – 0.45	Dhose 93	angp
$p\ 2n\ \pi^+$			
	0.21 – 0.45	Dhose 93	angp

$\gamma\ ^4$He

Final state	Momentum	Reference	Data
$\Delta(1232\,P_{33})$ X			
	0.145 – 0.225	Maruyama 93	cs
^{3}H p			
	0.04 – 0.08	Lyakhno 96	asym
^{3}He n			
	0.04 – 0.08	Lyakhno 96	asym
^{4}He γ			
	0.1405	Igarashi 95	angp
	0.187 – 0.28	Dellicarpini 91	angp,cs
deuteron $p\ n$			
	0.145 – 0.425	Maruyama 93	a-dep,cs,mass

$\gamma\ ^4$He

Final state	Momentum	Reference	Data
$2p\ 2n$			
	0.135 – 0.455	Emura 91	angp,cs,p
		Emura 91B	angp,mass,p
	0.145 – 0.425	Maruyama 93	a-dep,cs,mass

γ Li

Final state	Momentum	Reference	Data
X			
	0.3 – 1.2	Bianchi 94	a-dep,cs

$\gamma\ ^6$Li

Final state	Momentum	Reference	Data
π^+ X			
	0.35	Ganenko 91	a-dep,asym,p
π^0 X			
	0.3 – 0.45	Belousov 91	angp,p
π^- X			
	0.35	Ganenko 91	a-dep,asym,p
deuteron p X			
	0.06	Ryckbosch 94	cs,p
^{3}H p X			
	0.06	Ryckbosch 94	cs,p
^{3}H deuteron X			
	0.06	Ryckbosch 94	cs,p

$\gamma\ ^7$Li

Final state	Momentum	Reference	Data
π^+ X			
	0.35	Ganenko 91	a-dep,asym,p
π^- X			
	0.35	Ganenko 91	a-dep,asym,p

γ Be

Final state	Momentum	Reference	Data
X			
	0.2 – 1.1	Anghinolfi 93	cs
vee X			
	220	Frabetti 94G	cs
π^+ X			
	0.227 – 0.391	Arends 91	a-dep,angp,p
π^- X			
	0.227 – 0.391	Arends 91	a-dep,angp,p
D^+ X			
	80 – 230	Garbincius 95	cs,p,pt
		Freyberger 94	–
		Kwan 93	cs,p
		Anjos 92B	–
		Potter 91	–
	80 – 240	Anjos 91C	–
		Anjos 91D	mass
	145	Anjos 91	cs
	200	Frabetti 95	–
		Frabetti 95D	–
		Frabetti 95I	p,pt
		Gardner 95	–
	220	Frabetti 95E	–
		Garbincius 95	p,pt
		Frabetti 94C	–
		Frabetti 94G	cs
		Frabetti 94J	–
		Johns 94	p,pt
		Moroni 94	p,pt
	221	Frabetti 93F	cs
D^0 X			
	80 – 230	Garbincius 95	cs,p,pt
		Kwan 93	cs,p
		Potter 91	–
	80 – 240	Anjos 90	–
	145	Anjos 91B	–
	200	Frabetti 95B	–
		Frabetti 95I	p,pt
		Kwan 93	cs,p
		Shukla 92B	–
	220	Frabetti 95H	–

γ Be

Final state	Momentum	Reference	Data
D^0 X			
		Garbincius 95	p,pt
		Frabetti 94F	–
		Frabetti 94G	cs
		Frabetti 94I	–
		Johns 94	–
		Moroni 94	p,pt
		Frabetti 93H	–
	221	Frabetti 92B	–
		Frabetti 92D	–
	320	Frabetti 94E	–
$\overline{D}^0$ X			
	80 – 230	Garbincius 95	cs,p,pt
		Kwan 93	cs,p
	200	Frabetti 95B	–
		Frabetti 95I	p,pt
	220	Garbincius 95	p,pt
		Frabetti 94G	cs
		Frabetti 94I	–
		Johns 94	–
		Moroni 94	p,pt
		Frabetti 93H	–
D^- X			
	80 – 230	Garbincius 95	cs,p,pt
		Kwan 93	cs,p
	200	Frabetti 95	–
		Frabetti 95D	–
		Frabetti 95I	p,pt
		Gardner 95	–
	220	Frabetti 95E	–
		Garbincius 95	p,pt
		Frabetti 94C	–
		Frabetti 94G	cs
		Frabetti 94J	–
		Moroni 94	p,pt
$D^*(2010)^\pm$ X			
	220	Frabetti 94C	–
$D^*(2010)^+$ X			
	80 – 240	Anjos 92	–
	145	Anjos 91B	–
	200	Frabetti 95I	p,pt
	220	Frabetti 94I	–
		Frabetti 93H	–
	221	Frabetti 94D	–
	320	Frabetti 94E	–
$D^*(2010)^-$ X			
	145	Anjos 91B	–
	200	Frabetti 95I	p,pt
	220	Frabetti 94I	–
		Frabetti 93H	–
D_s^+ X			
	80 – 230	Garbincius 95	cs,p,pt
	80 – 240	Anjos 91D	mass
	145	Anjos 91	cs
	200	Frabetti 95	–
		Frabetti 95D	–
		Frabetti 95I	p,pt
		Gardner 95	–
		Shukla 92B	–
	220	Frabetti 95E	–
		Garbincius 95	p,pt
		Frabetti 94	–
		Frabetti 94J	–
		Johns 94	p,pt
		Moroni 94	–
		Frabetti 93G	cs
	221	Frabetti 92D	–
D_s^- X			
	80 – 230	Garbincius 95	cs,p,pt
	200	Frabetti 95	–
		Frabetti 95D	–
		Frabetti 95I	p,pt
		Gardner 95	–
	220	Frabetti 95E	–
		Garbincius 95	p,pt
		Frabetti 94J	–
		Moroni 94	–
		Frabetti 93G	cs
$D_1(2420)^0$ X			
	200	Shukla 92	–

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

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γ Be

Reaction	Momentum	Reference	Data
$K_S\ \pi^+\ \pi^0$ X	80 – 240	Anjos 92	mass
$K_S\ \pi^+\ \pi^-$ X	221	Frabetti 94D	mass
		Frabetti 92B	mass,pwa
$K^+\ \overline{K}^0\ \pi^-$ X	80 – 240	Anjos 90	mass
$K^+\ K^-\ \pi^+$ X	145	Anjos 91B	mass
	220	Frabetti 94C	mass
		Johns 94	mass,p
		Frabetti 93G	angp,mass
$K^+\ K^-\ \pi^-$ X	145	Anjos 91B	mass
	220	Frabetti 94C	mass
		Frabetti 93G	angp,mass
$K^0\ K^-\ \pi^+$ X	80 – 240	Anjos 90	mass
$2K_S\ \pi^+$ X	80 – 240	Anjos 92	mass
$K^+\ K_S\ K^-$ X	221	Frabetti 92B	mass,pwa
$3K_S$ X	220	Frabetti 94I	mass
$\phi(1020)\ \pi^+\ \pi^-$ X	80 – 240	Anjos 90	mass
$p\ K^-\ \pi^+$ X	220	Johns 94	mass,p
$\Sigma^+\ 2\pi^+$ X	220	Frabetti 94B	mass
$\Sigma^-\ 2\pi^+$ X	220	Johns 94	mass,p
$\Sigma^-\ \pi^+\ \pi^-$ X	220	Frabetti 94B	mass
$\Xi^-\ 2\pi^+$ X	220	Frabetti 92C	mass
$\overline{K}^0\ \pi^+\ \pi^-\ e^+$ X	80 – 230	Anjos 92B	mass
$K^-\ \pi^+\ \pi^0\ e^+$ X	80 – 230	Anjos 92B	mass
$2\pi^+\ \pi^-\ \gamma$ X	145	Anjos 91	mass
$2\pi^+\ 2\pi^-$ X	80 – 240	Anjos 90	mass
	220	Johns 94	mass,p
	221	Frabetti 92D	mass
$K^+\ \pi^+\ 2\pi^-$ X	220	Frabetti 94G	mass
$K^-\ 2\pi^+\ \pi^-$ X	220	Frabetti 94G	mass
		Johns 94	mass,p
	221	Frabetti 92D	mass
$K^+\ K^-\ \pi^+\ \pi^-$ X	80 – 240	Anjos 90	mass
	220	Johns 94	mass,p
$2K^+\ K^-\ \pi^-$ X	220	Johns 94	mass,p
$K^+\ 2K^-\ \pi^+$ X	220	Johns 94	mass,p
$\phi(1020)\ 2\pi^+\ \pi^-$ X	221	Frabetti 92D	mass
$\Lambda\ 2\pi^+\ \pi^-$ X	220	Frabetti 92C	mass
$\Sigma^+\ 2K^-\ \pi^+$ X	220	Johns 94	mass
$K^+\ K^-\ 2\pi^+\ \pi^-$ X	221	Frabetti 92D	mass
$p\ K^+\ K^-\ \pi^+\ \pi^0$ X	220	Johns 94	mass
$n\ K^+\ K^-\ 2\pi^+$ X	220	Johns 94	mass

γ Be

Reaction	Momentum	Reference	Data
$3\pi^+\ \pi^0\ 2\pi^-$ X	145	Anjos 91	mass
Be $J/\psi(1S)$	121 – 374	Frabetti 93D	angp,cs

$\gamma\ ^9$Be

Reaction	Momentum	Reference	Data
π^+ X	0.35	Ganenko 91	a-dep,asym,p
π^- X	0.35	Ganenko 91	a-dep,asym,p

γ C

Reaction	Momentum	Reference	Data
X	0.2 – 1.1	Anghinolfi 93	cs
	0.3 – 1.2	Bianchi 94	a-dep,cs
	0.4 – 1.2	Bianchi 93C	cs
	3.7 – 18.3	Arneodo 92	cs
γ X	0.2 – 0.5	Wissmann 94	angp
π^+ X	0.184 – 0.213	Fissum 96	a-dep,angp,cs,p
	0.227 – 0.391	Arends 91	a-dep,angp,p
π^- X	0.227 – 0.391	Arends 91	a-dep,angp,p
p X	0.227 – 0.391	Arends 91	a-dep,angp,p
	0.69 – 1.95	Avakyan 91F	angp,cs
	< 4.5	Avakyan 91F	angp,pol
fragt X	2 – 3	Astabatyan 91	angp
2jet X	50 – 400	Conrad 95	a-dep,ang,pt
		Naples 94	a-dep,ang,pt
C γ	0.2 – 0.5	Wissmann 94	angp

$\gamma\ ^{12}$C

Reaction	Momentum	Reference	Data
π^+ X	0.35	Ganenko 91	a-dep,asym,p
	< 4.5	Egiyan 93	angp
π^0 X	0.17 – 0.177	Gothe 95	angp,cs
	0.3 – 0.45	Belousov 91	angp,p
π^- X	0.35	Ganenko 91	a-dep,asym,p
	< 4.5	Egiyan 93	angp
K^+ X	0.7 – 1.1	Maeda 94	angp,cs
	0.8 – 1.1	Yamazaki 95	angp,cs,mass
p X	0.2 – 0.5	Cross 95	angp,p
	< 4.5	Egiyan 93	angp
n X	0.0545 – 0.0615	Annand 93	angp,p
$p\ \pi^{\pm}$ X	0.2 – 0.5	Cross 95	angp,p
$2p$ X	0.08 – 0.157	Mcgeorge 95	cs,p
	0.187 – 0.227	Hackett 96	ang,angp,cs,p
	0.2 – 0.5	Cross 95	angp,p
$p\ n$ X	0.08 – 0.157	Mcgeorge 95	cs,p
	0.2 – 0.5	Cross 95	angp,p

$\gamma\ ^{12}$C

Reaction	Momentum	Reference	Data
$2n$ X	0.08 – 0.157	Mcgeorge 95	cs,p
^{11}Bor p	0.044 – 0.098	Mori 95	angp
	0.08 – 0.157	Harty 95	angp,p
^{11}Bor* p	0.08 – 0.157	Harty 95	angp,p
^{12}Bor π^+	0.192	Choi 94	angp,p
^{11}C $N(1520\,D_{13})^0$	0.696 – 0.796	Weinstein 93	cs,mass
^{11}C $N(1535\,S_{11})^0$	0.696 – 0.796	Weinstein 93	cs,mass
^{12}C γ	0.058 – 0.075	Hager 95	angp
	0.137 – 0.2806	Igarashi 95	angp
^{12}C* γ	0.137 – 0.2806	Igarashi 95	angp
^{12}C π^0	0.17 – 0.177	Gothe 95	angp,cs

$\gamma\ ^{13}$C

Reaction	Momentum	Reference	Data
π^0 X	0.17 – 0.177	Gothe 95	angp,cs
^{13}Bor π^+	0.192	Choi 94	angp,p
^{13}C π^0	0.17 – 0.177	Gothe 95	angp,cs

$\gamma\ ^{14}$Nit

Reaction	Momentum	Reference	Data
^{14}C π^+	0.4	Distelbrink 91	angp

$\gamma\ ^{15}$Nit

Reaction	Momentum	Reference	Data
^{15}O π^-	0.22	Shaw 95	angp

γ O

Reaction	Momentum	Reference	Data
π^+ X	0.227 – 0.391	Arends 91	a-dep,angp,p
π^- X	0.227 – 0.391	Arends 91	a-dep,angp,p
p X	0.227 – 0.391	Arends 91	a-dep,angp,p

$\gamma\ ^{16}$O

Reaction	Momentum	Reference	Data
$2p$ X	0.08 – 0.131	Macgregor 91	cs
$p\ n$ X	0.08 – 0.131	Macgregor 91	cs
^{16}O γ	0.058 – 0.075	Hager 95	angp
4He	0.018 – 0.048	Kirichenko 95	ang,p

γ Al

Reaction	Momentum	Reference	Data
X	0.3 – 1.2	Bianchi 94	a-dep,cs
p X	< 4.5	Avakyan 91F	angp,pol
fragt X	2 – 3	Astabatyan 91	angp
^{24}Na X	< 5	Amroyan 93C	cs
2jet X	50 – 400	Conrad 95	a-dep,ang,pt
		Naples 94	a-dep,ang,pt

$\gamma\ ^{27}$Al

π^+ X			
	0.35	Ganenko 91	a-dep,asym,p
π^0 X			
	0.3 – 0.45	Belousov 91	angp,p
π^- X			
	0.35	Ganenko 91	a-dep,asym,p

γ Si

D(unspec) X			
	50 – 200	Garbincius 95	p,pt
		Alvarez 91B	p,pt
$D\,\overline{D}$ X			
	50 – 200	Garbincius 95	ang,mass,p,pt
		Alvarez 91B	ang,mass,p,pt

γ Ca

π^+ X			
	0.184 – 0.213	Fissum 96	a-dep,angp,cs,p

γ Ti

π^+ X			
	0.227 – 0.391	Arends 91	a-dep,angp,p
π^- X			
	0.227 – 0.391	Arends 91	a-dep,angp,p
p X			
	0.227 – 0.391	Arends 91	a-dep,angp,p

γ Cu

X			
	0.3 – 1.2	Bianchi 94	a-dep,cs
	3.7 – 18.3	Arneodo 92	cs
π^0 X			
	0.3 – 0.45	Belousov 91	angp,p
p X			
	0.69 – 1.95	Avakyan 91F	angp,cs
^{24}Na X			
	< 5	Amroyan 93C	cs
2jet X			
	50 – 400	Conrad 95	a-dep,ang,pt
		Naples 94	a-dep,ang,pt

$\gamma\ ^{65}$Cu

^{24}Na X	4.5	Arakelyan 91	cs
^{42}KK X	4.5	Arakelyan 91	cs
^{43}KK X	4.5	Arakelyan 91	cs
^{43}Sc X	4.5	Arakelyan 91	cs
^{44}Sc X	4.5	Arakelyan 91	cs
^{47}Sc X	4.5	Arakelyan 91	cs
^{48}Va X	4.5	Arakelyan 91	cs
^{52}Mn X	4.5	Arakelyan 91	cs
^{56}Mn X	4.5	Arakelyan 91	cs
^{56}Co X	4.5	Arakelyan 91	cs
^{58}Co X	4.5	Arakelyan 91	cs
^{61}Cu X	4.5	Arakelyan 91	cs

γ Nb

^{24}Na X	< 5	Amroyan 93C	cs

γ Ag

fragt X	2 – 3	Astabatyan 91	angp
^{24}Na X	< 5	Amroyan 93C	cs

γ Cd

π^0 X	0.3 – 0.45	Belousov 91	angp,p

$\gamma\ ^{118}$Sn

^{85}Yt X	4.5	Aleksandryan 93	cs
^{87}Yt X	4.5	Aleksandryan 93	cs
^{87}Zr X	4.5	Aleksandryan 93	cs
^{95}Zr X	4.5	Aleksandryan 93	cs
^{95}Nb X	4.5	Aleksandryan 93	cs
^{95}Tc X	4.5	Aleksandryan 93	cs
^{95}Ru X	4.5	Aleksandryan 93	cs
^{99}Rh X	4.5	Aleksandryan 93	cs
^{101}Rh X	4.5	Aleksandryan 93	cs
^{102}Rh X	4.5	Aleksandryan 93	cs
^{101}Pd X	4.5	Aleksandryan 93	cs
^{115}Cd X	4.5	Aleksandryan 93	cs
^{108}In X	4.5	Aleksandryan 93	cs
^{110}In X	4.5	Aleksandryan 93	cs
^{111}In X	4.5	Aleksandryan 93	cs
^{113}In X	4.5	Aleksandryan 93	cs
^{114}In X	4.5	Aleksandryan 93	cs
^{115}In X	4.5	Aleksandryan 93	cs
^{116}In X	4.5	Aleksandryan 93	cs
^{117}In X	4.5	Aleksandryan 93	cs
^{110}Sn X	4.5	Aleksandryan 93	cs
^{113}Sn X	4.5	Aleksandryan 93	cs
^{117}Sn X	4.5	Aleksandryan 93	cs

γ Sn

X			
	0.3 – 1.2	Bianchi 94	a-dep,cs
π^+ X			
	0.184 – 0.213	Fissum 96	a-dep,angp,cs,p
p X			
	< 4.5	Avakyan 91F	angp,pol
fragt X			
	< 4.5	Alexandryan 94	cs

γ Ta

^{7}Be X	4	Amroyan 93	cs

γ Ta

^{22}Na X	4	Amroyan 93	cs
^{24}Na X	4	Amroyan 93	cs
	< 5	Amroyan 93C	cs
^{46}Sc X	4	Amroyan 93	cs
^{54}Mn X	4	Amroyan 93	cs
^{59}Fe X	4	Amroyan 93	cs
^{58}Co X	4	Amroyan 93	cs
^{57}Ni X	4	Amroyan 93	cs
^{64}Cu X	4	Amroyan 93	cs
^{65}Zn X	4	Amroyan 93	cs
^{75}Se X	4	Amroyan 93	cs
^{82}Sr X	4	Amroyan 93	cs
^{86}Yt X	4	Amroyan 93	cs
^{88}Yt X	4	Amroyan 93	cs
^{88}Zr X	4	Amroyan 93	cs
^{95}Zr X	4	Amroyan 93	cs
^{90}Nb X	4	Amroyan 93	cs
^{95}Tc X	4	Amroyan 93	cs
^{96}Tc X	4	Amroyan 93	cs
^{101}Rh X	4	Amroyan 93	cs
^{102}Rh X	4	Amroyan 93	cs
^{100}Pd X	4	Amroyan 93	cs
^{101}Pd X	4	Amroyan 93	cs
^{105}Ag X	4	Amroyan 93	cs
^{110}Ag X	4	Amroyan 93	cs
^{125}Sb X	4	Amroyan 93	cs
^{121}Te X	4	Amroyan 93	cs
^{131}I X	4	Amroyan 93	cs
^{134}Cs X	4	Amroyan 93	cs
^{131}Ba X	4	Amroyan 93	cs
^{134}Ce X	4	Amroyan 93	cs
^{149}Pm X	4	Amroyan 93	cs
^{145}Eu X	4	Amroyan 93	cs
^{146}Eu X	4	Amroyan 93	cs
^{147}Eu X	4	Amroyan 93	cs
^{148}Eu X	4	Amroyan 93	cs
^{145}Gd X	4	Amroyan 93	cs
^{146}Gd X	4	Amroyan 93	cs

γ Ta

^{149}Gd X		
4	Amroyan 93	cs
^{151}Gd X		
4	Amroyan 93	cs
^{151}Tb X		
4	Amroyan 93	cs
^{160}Tb X		
4	Amroyan 93	cs
^{160}Er X		
4	Amroyan 93	cs
^{161}Er X		
4	Amroyan 93	cs
^{165}Tm X		
4	Amroyan 93	cs
^{167}Tm X		
4	Amroyan 93	cs
^{169}Yb X		
4	Amroyan 93	cs
^{169}Lu X		
4	Amroyan 93	cs
^{170}Lu X		
4	Amroyan 93	cs
^{171}Lu X		
4	Amroyan 93	cs
^{172}Lu X		
4	Amroyan 93	cs
^{173}Lu X		
4	Amroyan 93	cs
^{174}Lu X		
4	Amroyan 93	cs
^{177}Lu X		
4	Amroyan 93	cs
^{178}Lu X		
4	Amroyan 93	cs
^{179}Lu X		
4	Amroyan 93	cs
^{170}Hf X		
4	Amroyan 93	cs
^{171}Hf X		
4	Amroyan 93	cs
^{172}Hf X		
4	Amroyan 93	cs
^{175}Hf X		
4	Amroyan 93	cs
^{179}Hf X		
4	Amroyan 93	cs
^{180}Hf X		
4	Amroyan 93	cs
^{181}Hf X		
4	Amroyan 93	cs
^{172}Ta X		
4	Amroyan 93	cs
^{174}Ta X		
4	Amroyan 93	cs
^{175}Ta X		
4	Amroyan 93	cs
^{176}Ta X		
4	Amroyan 93	cs
^{178}Ta X		
4	Amroyan 93	cs
^{179}Ta X		
4	Amroyan 93	cs
^{180}Ta X		
4	Amroyan 93	cs

γ ^{181}Ta

^{24}Na X		
4	Amroyan 93B	cs
^{46}Sc X		
4	Amroyan 93B	cs
^{54}Mn X		
4	Amroyan 93B	cs
^{56}Co X		
4	Amroyan 93B	cs
^{88}Yt X		
4	Amroyan 93B	cs
^{102}Rh X		
4	Amroyan 93B	cs
^{125}Sb X		
4	Amroyan 93B	cs
^{134}Cs X		
4	Amroyan 93B	cs
^{143}Pm X		
4	Amroyan 93B	cs
^{176}Ta X		
4	Amroyan 93B	cs
^{178}Ta X		
4	Amroyan 93B	cs

γ ^{184}Wt

π^+ X		
0.35	Ganenko 91	a-dep,asym,p
π^- X		
0.35	Ganenko 91	a-dep,asym,p

γ Au

fragt X		
2 – 3	Astabatyan 91	angp

γ Pb

X		
0.3 – 1.2	Bianchi 94	a-dep,cs
3.7 – 18.3	Arneodo 92	cs
π^+ X		
0.184 – 0.213	Fissum 96	a-dep,angp,cs,p
0.227 – 0.391	Arends 91	a-dep,angp,p
π^- X		
0.227 – 0.391	Arends 91	a-dep,angp,p
p X		
0.227 – 0.391	Arends 91	a-dep,angp,p
0.69 – 1.95	Avakyan 91F	angp,cs
< 4.5	Avakyan 91F	angp,pol
2jet X		
50 – 400	Conrad 95	a-dep,ang,pt
	Naples 94	a-dep,ang,pt

γ ^{208}Pb

γ X		
0.058	Fuhrberg 92	p
3fragt (fragts)		
0 – 1.85	Arakelyan 95	cs
2fragt		
0 – 1.85	Arakelyan 95	cs
^{208}Pb γ		
0.058 – 0.075	Fuhrberg 92	cs

γ ^{209}Bi

3fragt (fragts)		
0 – 1.85	Arakelyan 95	cs
2fragt		
0 – 1.85	Arakelyan 95	cs

γ ^{232}Th

fragt X		
0.25 – 1.2	Bianchi 93	a-dep,cs

γ ^{235}U

inelastic		
0.05 – 0.8	Frommhold 94	cs
p fragt X		
0.06 – 0.24	Ivanov 94	cs,p
2fragt (fragts)		
0.05 – 0.8	Frommhold 94	cor,cs,mass,p
3fragt (fragts)		
0 – 1.85	Arakelyan 95	cs
2fragt		
0 – 1.85	Arakelyan 95	cs

γ ^{238}U

inelastic		
0.05 – 0.8	Frommhold 94	cs
fragt X		
0.25 – 1.2	Bianchi 93	a-dep,cs
fragt (fragts)		
0.05 – 0.8	Frommhold 92	cs
0.2 – 1.2	Bianchi 93B	cs
p γ X		
0.06 – 0.24	Ivanov 94	cs,p
fragt (fragts) hadron		
0.06 – 0.24	Ivanov 92	cs
γ fragt (fragts)		
0.06 – 0.24	Ivanov 92	cs
2fragt (fragts)		
0.05 – 0.8	Frommhold 94	cor,cs,mass,p

γ ^{237}Np

fragt (fragts) hadron		
0.06 – 0.24	Ivanov 92	cs
γ fragt (fragts)		
0.06 – 0.24	Ivanov 92	cs
p fragt X		
0.06 – 0.24	Ivanov 94	cs,p

γ ^{239}Pu

3fragt (fragts)		
0 – 1.85	Arakelyan 95	cs
2fragt		
0 – 1.85	Arakelyan 95	cs

γ ^{243}Am

3fragt (fragts)		
0 – 1.85	Arakelyan 95	cs
2fragt		
0 – 1.85	Arakelyan 95	cs

γ crystal

e^- e^+ X		
100	Bassompierre 95	mass

γ^* γ^*

hadron (hadrons)		
(< 58)	Suzuki 93C	p,pt
$D^*(2010)^+$ X		
(< 58)	Suzuki 93C	pt
$D^*(2010)^-$ X		
(< 58)	Suzuki 93C	pt
D^0 π^+ X		
(< 58)	Suzuki 93C	mass
$\overline{D}^0$ π^- X		
(< 58)	Suzuki 93C	mass
μ^- μ^+		
(0.25 – 12)	Akers 93C	cs
2jet		
(< 58)	Suzuki 93C	cor,p,pt
π^+ π^-		
(0.7625 – 1.188)	Behrend 92	ang,cs,pwa
K^+ K^- + π^+ π^-		
(1.5 – 5)	Dominick 94	angp,cs

γ^* nucleon

nucleon ρ^0			
	40 – 180	Arneodo 95D	angp,cs

γ^* p

X			
	(50 – 240)	Wolf 94	cs
charged-hadron X			
	(100 – 295)	Kniehl 94	p,pt
2jet X			
	(100 – 295)	Ahmed 92E	cor,pt

gluon q

γ q			
	?	Abe 93E	angp

H^0 p

p e^- e^+			
	< 70	Blumlein 91	cs
p μ^- μ^+			
	< 70	Blumlein 91	cs

H^0 C

C e^- e^+			
	< 70	Blumlein 91	cs
C μ^- μ^+			
	< 70	Blumlein 91	cs

axion γ^*

γ			
	0	Ruoso 92	const
	$2.8 \cdot 10^{-6} - 8.8 \cdot 10^{-6}$	Lazarus 92	const

axion p

p e^- e^+			
	< 70	Blumlein 91	cs
p μ^- μ^+			
	< 70	Blumlein 91	cs

axion C

C e^- e^+			
	< 70	Blumlein 91	cs
C μ^- μ^+			
	< 70	Blumlein 91	cs

ν e^-

e^- ν			
	> 0.005	Bowles 93	cs
	> 0.0075	Vignaud 95	cs,p

ν nucleus

$\pi^\pm$ X			
	19.3 – 23.8	Gruwe 93	angp,p
($\pi^\pm$'s) $\ell^\pm$ X			
	> 1	Sato 90	cs,p
$\pi^\pm$ ($\pi^\pm$'s) X			
	> 1	Sato 90	cs,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

ν deuteron

Λ (neutrals) even-charged			
	0 – 260	Tenner 91	mult
Λ (neutrals) odd-charged			
	0 – 260	Tenner 91	mult
K_S hadron$^-$ (neutrals) even-charged			
	0 – 260	Tenner 91	mult
$K^*(892)$ hadron$^-$ (neutrals) even-charged			
	0 – 260	Tenner 91	mult
Λ hadron$^-$ (neutrals) even-charged			
	0 – 260	Tenner 91	mult
p n ν			
	> 0.005	Bowles 93	cs

ν ^{11}Bor

^{11}Bor* ν			
	> 0.0045	Bowles 93	cs

ν Fe

μ^- X			
	10 – 260	Hughes 93B	p
		Virchaux 92	p
		Berge 89	p
$3\mu^\pm$ X			
	60 – 165	Choban 91	cs

$\bar{\nu}$ 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
Λ (neutrals) even-charged			
	0 – 260	Tenner 91	mult
Λ (neutrals) odd-charged			
	0 – 260	Tenner 91	mult
K_S hadron$^-$ (neutrals) even-charged			
	0 – 260	Tenner 91	mult
$K^*(892)$ hadron$^-$ (neutrals) even-charged			
	0 – 260	Tenner 91	mult
Λ hadron$^-$ (neutrals) even-charged			
	0 – 260	Tenner 91	mult

$\bar{\nu}$ Fe

μ^+ X			
	10 – 260	Hughes 93B	p
		Virchaux 92	p
		Berge 89	p

ν_e e^-

e^- ν_e			
	0 – 0.01	Suzuki 93	cs
	0 – 0.053	Allen 93	cs
		Allen 91	angp
		Krakauer 91	cs,qnc
	0.005 – 0.01	Suzuki 93	cs
	0.005 – 0.05	Konishi 93	cs
		Losecco 92	cs
	> 0.005	Bowles 93	cs
	> 0.007	Morrison 93	cs
		Morrison 93B	cs
		Anselmann 92B	cs
		Bethe 92	p

ν_e e^-

e^- ν_e			
		Morrison 92B	p
	> 0.0075	Vignaud 95	cs,p
		Suzuki 91C	p
	> 0.0093	Spiro 92	cs
	> 0.01	Bowles 93	cs
	0.02 – 0.053	Radel 93	cs
		Burman 91	angp,const

ν_e nucleon

e^- X			
	0 – 10	Borodovsky 92	p
	< 1.5	Suzuki 93	cs

ν_e n

p e^-			
	20 – 30	Vilain 94B	cs,p

ν_e nucleus

X			
	< 1	Allison 93B	cs
		Goodman 92	cs
e^- X			
	> 0.0075	Vignaud 95	cs,p
	3 – 30	Ammosov 92B	cs

ν_e deuteron

$2p$ e^-			
	> 0.005	Bowles 93	cs

ν_e ^{11}Bor

^{11}C* e^-			
	> 0.00198	Bowles 93	cs

ν_e ^{12}C

^{12}C* ν_e			
	0 – 0.035	Armbruster 94	cs
	0 – 0.0528	Drexlin 91	cs
^{12}Nit < ^{12}C e^+ ν_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
^{12}Nit e^-			
	0 – 0.0528	Bodmann 92	cs
^{12}Nit* e^-			
	0 – 0.035	Armbruster 94	cs

ν_e ^{37}Cl

^{37}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
	> 0.00081	Bowles 93	cs
	0.005 – 0.02	Vignaud 95	p
		Suzuki 90B	p
	> 0.8	Morrison 93	cs

ν_e ^{40}Ar

^{40}KK* e^-			
	> 0.01	Bowles 93	cs

ν_e ^{71}Ga

^{71}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
	> 0.00023	Bowles 93	cs
	0.000233 – 0.00042	Anselmann 93	cs

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$\nu_e\ {}^{71}$Ga

^{71}Ge e^-

> 0.000233	Anselmann 95B	cs
	Vignaud 95	p
	Anselmann 94	p
	Stolarczyk 93	p
< 0.00042	Morrison 93	cs
	Morrison 93B	cs
	Anselmann 92	cs
0.00042 – 0.00086		
	Morrison 93	cs
	Morrison 93B	cs
	Anselmann 92	cs
< 0.00042	Morrison 93	cs
	Morrison 93B	cs
	Anselmann 92	cs
0.00042 – 0.00086		
	Morrison 93	cs
	Morrison 93B	cs
	Anselmann 92	cs
0.000426 – 0.000751		
	Bahcall 95	cs
< 0.014	Morrison 93	cs
	Morrison 93B	cs
	Anselmann 92	cs
	Anselmann 92B	cs
> 0.2	Morrison 93	cs

$\overline{\nu}_e\ e^-$

W^-

$6.4 \cdot 10^6$	Aglietta 94	cs

$e^-\ \overline{\nu}_e$

0.0002 – 0.002	Derbin 92	cs
0.0006 – 0.0052		
	Derbin 92B	cs
0.0015 – 0.0045		
	Radel 93	cs
0.002 – 0.009	Vidyakin 91	const,cs
0.004 – 0.01	Radel 93	cs
	Vidyakin 92	cs

$\overline{\nu}_e$ nucleon

e^+ X

0 – 10	Borodovsky 92	p
< 1.5	Suzuki 93	cs

$\overline{\nu}_e\ p$

$n\ e^+$

0 – 53	Freedman 93	cs
0.002 – 0.009	Vidyakin 94	cs
	Kuvshinnikov 91	const,cs
	Mikaelyan 91	cs
	Vidyakin 91	cs
0.002 – 0.01	Vyrodov 95	cs
	Declais 94	cs
0.005 – 0.05	Konishi 93	cs
	Losecco 92	cs
< 0.01	Achkar 95	cs
	Ketov 92	cs
	Skorokhvatov 92	cs
0.01	Grassi 93	p
20 – 30	Vilain 94B	cs,p

$\overline{\nu}_e$ deuteron

$p\ n\ \overline{\nu}_e$

0.002 – 0.009	Mikaelyan 91	cs
	Vidyakin 91	cs

$2n\ e^+$

0.002 – 0.009	Mikaelyan 91	cs
	Vidyakin 91	cs

$\nu_\mu\ e^-$

$e^-\ \nu_\mu$

1.3	Radel 93	cs,p
2	Radel 93	cs,p
10 – 160	Dorenbosch 89	const,cs
20	Vilain 94C	angp
23.7	Vilain 94	const,cs
	Vilain 94D	const,cs
	Vilain 93	angp,const

$\nu_\mu\ e^-$

$e^-\ \nu_\mu$

	Vilain 93B	angp,const
	Rolandi 92	angp,const,cs
	Vilain 92	angp,const,cs
23.8	Geiregat 91	const,cs
25	Radel 93	cs,p

$\mu^-\ \nu_e$

10 – 160	Dorenbosch 89	const,cs
10.9 – 23.8	Vilain 95B	const,cs,p,pt
> 10.9	Vilain 95B	const,cs,p,pt
10.9 – 600	Fetscher 93	const,cs
10.9 – 23.8	Vilain 95B	const,cs,p,pt
> 10.9	Vilain 95B	const,cs,p,pt

$\nu_\mu\ q$

$\mu^-\ q$

10 – 600	Mishra 92	const
30 – 600	Leung 93	const

ν_μ nucleon

ν_μ X

10 – 160	Rolandi 92	cs

μ^- X

0 – 10	Borodovsky 92	p
< 1.5	Suzuki 93	cs
3 – 30	Anikeev 95	cs
10 – 160	Rolandi 92	cs
10 – 200	Virchaux 92	p
20 – 600	Yang 96	angp,p
?	Roberts 91	p

heavy-ν X

5 – 100	Vilain 95	cs

$K_S\ \mu^-$ X

150	Aderholz 92	cs,p

$\Lambda\ \mu^-$ X

150	Aderholz 92	cs,p

$\overline{\Lambda}\ \mu^-$ X

150	Aderholz 92	cs,p

μ^- hadron (hadrons) X

150	Aderholz 92	cs,p

$\mu^-\ \mu^+\ \nu_\mu$ X

5 – 100	Vilain 95	angp

$2\mu^-\ \mu^+$ X

20 – 200	Choban 91	cs,p

$\nu_\mu\ p$

μ^- X

3 – 30	Ammosov 92B	cs
5 – 150	Virchaux 92	p
5 – 160	Jones 94C	angp,p
	Jones 94D	angp,p
10 – 250	Virchaux 92	cs,p

μ^- mult[charged] (neutrals)

10 – 150	Jones 91C	mass,mult,p

$\rho^0\ \mu^-$ X

10 – 150	Zaetz 95	dme

$f_2(1270)\ \mu^-$ X

10 – 200	Jones 91	angp,mass,mult,p,pt

$K_S\ \mu^-$ X

5 – 160	Jones 93B	cs,mult,p,pt

$K^*(892)^+\ \mu^-$ 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

$\nu_\mu\ p$

$D_s^+\ \mu^-$ X

0 – 150	Asratyan 92	angp,cs

$D_s^{*+}\ \mu^-$ X

0 – 150	Asratyan 92	angp,cs

$D_{s1}(2536)^+\ \mu^-$ X

61.4	Asratyan 94	cs

$\Lambda\ \mu^-$ X

5 – 160	Jones 93B	cs,mult,p,pt

$\overline{\Lambda}\ \mu^-$ X

5 – 160	Jones 93B	cs,mult,p,pt

$\Sigma(1385\,P_{13})^+\ \mu^-$ X

5 – 160	Jones 93B	mult,p,pt

$\Sigma(1385\,P_{13})^-\ \mu^-$ X

5 – 160	Jones 93B	mult,p,pt

μ^- 2charged$^+$ X

0 – 150	Korotkov 93	angp,mass,p,pt

μ^- charged$^+$ charged$^-$ X

0 – 150	Korotkov 93	angp,mass,p,pt

μ^- 2charged$^-$ X

0 – 150	Korotkov 93	angp,mass,p,pt

$\pi^+\ \pi^-\ \mu^-$ X

10 – 150	Zaetz 95	ang,mass,p

$\rho^0\ \mu^-$ hadron (hadrons)

10 – 200	Jones 91B	angp,mult,p

$2K_S\ \mu^-$ X

5 – 160	Jones 93B	cs,mult,p,pt

$\Lambda\ K^0\ \mu^-$ X

5 – 160	Jones 93B	cs,mult,p,pt

$\overline{\Lambda}\ K^0\ \mu^-$ X

5 – 160	Jones 93B	cs,mult,p,pt

$2\Lambda\ \mu^-$ X

5 – 160	Jones 93B	cs,mult,p,pt

$\Lambda\ \overline{\Lambda}\ \mu^-$ X

5 – 160	Jones 93B	cs,mult,p,pt

μ^- 2charged$^-$ mult[charged] X

0 – 150	Korotkov 93	angp,mass,mult,p,pt

$\pi^+\ \pi^-\ \mu^-$ hadron (hadrons)

10 – 200	Jones 91B	mass

$\Lambda\ \overline{\Lambda}\ K^0\ \mu^-$ X

5 – 160	Jones 93B	cs,mult,p,pt

$K^+\ K^-\ \pi^+\ \mu^-\ \gamma$ X

61.4	Asratyan 94	mass

$K^+\ K^-\ \pi^+\ \pi^0\ \mu^-$ X

61.4	Asratyan 94	mass

$K^*(892)^-\ K^+\ \pi^+\ \mu^-\ \gamma$ X

61.4	Asratyan 94	mass

$K^*(892)^-\ K^+\ \pi^+\ \pi^0\ \mu^-$ X

61.4	Asratyan 94	mass

$K^0\ K^-\ 2\pi^+\ \pi^0\ \mu^-$ X

61.4	Asratyan 94	mass

$K^0\ K^-\ 3\pi^+\ \pi^-\ \mu^-$ X

61.4	Asratyan 94	mass

$p\ \nu_\mu$

0 – 12	Garvey 93	angp,const,cs

$\Delta(1232\,P_{33})^{++}\ \mu^-$

3 – 30	Ammosov 92B	cs

$\Sigma_c(2455)^{++}\ \mu^-$

3 – 30	Ammosov 93	cs

$\Sigma_c(2530)^{++}\ \mu^-$

3 – 30	Ammosov 93	cs

$p\ \pi^+\ \mu^-$

3 – 30	Ammosov 92B	cs

$\nu_\mu\ p$

$p\ \rho^+\ \mu^-$			
	10 – 60	Jones 93C	angp,cs,p
$p\ \pi^+\ \pi^0\ \mu^-$			
	10 – 60	Jones 93C	mass
$p\ \rho^0\ \pi^+\ \mu^-$			
	10 – 60	Jones 93C	angp,cs,p
$p\ 2\pi^0\ \nu_e$ heavy-lepton^0			
	3 – 30	Ammosov 92B	cs
$p\ 2\pi^+\ \pi^-\ \mu^-$			
	10 – 60	Jones 93C	mass

$\nu_\mu\ n$

μ^- X			
	3 – 30	Ammosov 92B	cs
	10 – 250	Virchaux 92	cs,p
$p\ \mu^-$			
	3 – 30	Ammosov 92B	cs,p
	20 – 30	Vilain 94B	cs,p
$p\ \pi^0\ \mu^-$			
	3 – 30	Ammosov 92B	cs
$n\ \pi^+\ \mu^-$			
	3 – 30	Ammosov 92B	cs

ν_μ nucleus

X			
	< 1	Allison 93B	cs
		Goodman 92	cs
ν_μ X			
	3 – 30	Ammosov 92B	cs
	30 – 600	Smith 92B	const,cs
μ^- X			
	> 0.0075	Vignaud 95	cs,p
	3 – 30	Ammosov 92B	cs
	30 – 600	Smith 92B	const,p
mult[grey] X			
	10 – 200	Dayon 92	a-dep,mult
	49 – 63	Gorichev 93	mult
mult[htrack] X			
	49 – 63	Gorichev 93	mult
mult[black] X			
	49 – 63	Gorichev 93	mult
grey X			
	10 – 200	Dayon 92	angp,mult,p
	49 – 63	Gorichev 93	angp,mult
black X			
	49 – 63	Gorichev 93	angp,mult
mult[π^+] μ^- X			
	3 – 30	Ammosov 92B	mult
mult[π^0] μ^- X			
	3 – 30	Ammosov 92B	mult
mult[π^-] μ^- X			
	3 – 30	Ammosov 92B	mult
μ^- mult[shower] X			
	10 – 200	Ammosov 92	mult
μ^- mult[grey] X			
	10 – 200	Ammosov 92	mult
μ^- mult[htrack] X			
	10 – 200	Ammosov 92	mult
μ^- mult[black] X			
	10 – 200	Ammosov 92	mult
μ^- charged X			
	10 – 200	Gorichev 91	ang,mult,p
μ^- hadron$^+$ X			
	3 – 30	Ammosov 92B	mult
μ^- hadron$^-$ X			
	3 – 30	Ammosov 92B	mult
μ^- charged-hadron X			
	3 – 30	Ammosov 92B	p,pt
	10 – 100	Berggren 90	col,const,mass,p,pt

ν_μ nucleus

μ^- shower X			
	10 – 200	Ammosov 92	mult
μ^- grey X			
	10 – 200	Ammosov 92	mult
μ^- htrack X			
	10 – 200	Ammosov 92	mult
μ^- black X			
	10 – 200	Ammosov 92	mult
$\mu^-\ \gamma$ X			
	3 – 30	Ammosov 92B	angp
$\mu^-\ e^-$ X			
	3 – 30	Ammosov 92B	cs
$\mu^-\ e^+$ X			
	3 – 30	Ammosov 92B	cs
$2\mu^-$ X			
	30 – 600	Smith 92B	cs
$\mu^-\ \mu^+$ X			
	20 – 500	Strongin 91	const,cs,p
	30 – 600	Hughes 93B	const,cs
		Rabinowitz 93	const,cs
		Smith 92B	cs
$\pi^+\ \mu^-$ X			
	3 – 30	Ammosov 92B	mult
$\pi^0\ \mu^-$ X			
	3 – 30	Ammosov 92B	mult
$\pi^-\ \mu^-$ X			
	3 – 30	Ammosov 92B	mult
$\rho^0\ \mu^-$ X			
	3 – 30	Ammosov 92B	mult,p,pt
μ^- strange X			
	3 – 30	Ammosov 92B	cs
$K^0\ \mu^-$ X			
	3 – 30	Aleshin 95B	mult
$K_S\ \mu^-$ X			
	3 – 30	Ammosov 92B	cs,p,pt
μ^- charm X			
	3 – 30	Aleshin 95B	cs
		Ammosov 92B	cs
$D\ \mu^-$ X			
	3 – 30	Ammosov 92B	cs
$D_s^+\ \mu^-$ X			
	0 – 200	Asratyan 92	angp,cs
	10 – 100	Asratyan 92	angp,cs
$D_s^{*+}\ \mu^-$ X			
	0 – 200	Asratyan 92	angp,cs
	10 – 100	Asratyan 92	angp,cs
$p\ \mu^-$ X			
	3 – 30	Ammosov 92B	p
$\Lambda\ \mu^-$ X			
	3 – 30	Aleshin 95B	mult
		Ammosov 92B	cs,p,pt
$\Lambda_c^+\ \mu^-$ X			
	3 – 30	Ammosov 92B	cs
$\mu^-\ \mu^+\ \nu_\mu$ X			
	10 – 600	Mishra 91	cs
$\pi^0\ \mu^-$ mult[hadron$^-$] X			
	3 – 30	Ammosov 92B	mult
$2\pi^+\ \mu^-$ X			
	3 – 30	Ammosov 92B	mass
		Ammosov 90	angp,mass
$\pi^+\ \pi^-\ \mu^-$ X			
	3 – 30	Ammosov 92B	mass
$2\pi^-\ \mu^-$ X			
	3 – 30	Ammosov 92B	mass
		Ammosov 90	angp,mass
p mult[p] μ^- X			
	3 – 30	Ammosov 92B	mult

ν_μ nucleus

$p\ \pi^+\ \mu^-$ X			
	3 – 30	Ammosov 92B	p
$p\ \pi^-\ \mu^-$ X			
	3 – 30	Ammosov 92B	p
$2p\ \mu^-$ X			
	3 – 30	Ammosov 92B	p
		Ammosov 90	angp
$\pi^+\ \mu^-$ fragt charged$^+$ (neutrals)			
	3 – 30	Ammosov 93	mass
nucleus $\pi^+\ \mu^-$			
	3 – 30	Ammosov 92B	cs
	23.7	Vilain 93C	cs,p
nucleus $\pi^0\ \nu_\mu$			
	3 – 30	Ammosov 92B	cs

ν_μ deuteron

μ^- X			
	0.4 – 6	Merenyi 92	angp,p
	?	Roberts 91	p
$\pi^\pm$ X			
	0.4 – 6	Merenyi 92	angp,p
μ^- mult[charged] (neutrals)			
	5 – 200	Verluyten 91	cor,mult,p
$\rho^0\ \mu^-$ X			
	10 – 260	Zaetz 95	dme
$D^*(2010)^+\ \mu^-$ X			
	10 – 260	Asratyan 95	cs
$D_s^+\ \mu^-$ X			
	0 – 260	Asratyan 92	angp,cs
$D_s^{*+}\ \mu^-$ X			
	0 – 260	Asratyan 92	angp,cs
$D_{s1}(2536)^+\ \mu^-$ X			
	61.4	Asratyan 94	cs
$p\ \mu^-$ X			
	5 – 160	Jones 94C	angp,p
		Jones 94D	angp,p
$n\ \mu^-$ X			
	5 – 160	Jones 94C	angp,p
		Jones 94D	angp,p
μ^- 2charged$^+$ X			
	0 – 260	Korotkov 93	angp,mass,p,pt
μ^- charged$^+$ charged$^-$ X			
	0 – 260	Korotkov 93	angp,mass,p,pt
μ^- 2charged$^-$ X			
	0 – 260	Korotkov 93	angp,mass,p,pt
$\pi^+\ \pi^-\ \mu^-$ X			
	10 – 260	Zaetz 95	ang,mass,p
μ^- 2charged$^-$ mult[charged] X			
	0 – 260	Korotkov 93	angp,mass,mult,p,pt
$K^0\ K^-\ 2\pi^+\ \mu^-$ X			
	61.4	Asratyan 94	mass
p(spect) $n\ \pi^+\ \pi^0$ (π^0's) μ^-			
	0.4 – 6	Merenyi 92	cs
n(spect) $p\ \pi^+\ \pi^0$ (π^0's) μ^-			
	0.4 – 6	Merenyi 92	cs
n(spect) $n\ 2\pi^+$ (π^0's) μ^-			
	0.4 – 6	Merenyi 92	cs
p(spect) $p\ \mu^-$			
	0.4 – 6	Merenyi 92	cs
p(spect) $p\ \pi^0\ \mu^-$			
	0.4 – 6	Merenyi 92	cs
p(spect) $n\ \pi^+\ \mu^-$			
	0.4 – 6	Merenyi 92	cs

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ν_μ deuteron

$n(\text{spect})\ p\ \pi^+\ \mu^-$			
	0.4 – 6	Merenyi 92	cs
$p(\text{spect})\ p\ 2\pi^0\ \mu^-$			
	0.4 – 6	Merenyi 92	cs
$p(\text{spect})\ p\ \pi^+\ \pi^-\ \mu^-$			
	0.4 – 6	Merenyi 92	cs

ν_μ ^{12}C

μ^- X			
	0.1237 – 0.28	Albert 95	cs
	202	Koetke 92	cs
^{12}Nit μ^-			
	202	Koetke 92	cs

ν_μ Ne

μ^- X			
	0.4 – 6	Merenyi 92	angp,p
$\pi^\pm$ X			
	0.4 – 6	Merenyi 92	angp,p
$\mu^-\ e^+$ X			
	10 – 200	Baker 91	cs,p
$\rho^0\ \mu^-$ X			
	10 – 100	Zaetz 95	dme
	10 – 200	Zaetz 95	dme
$K_S\ \mu^-$ X			
	10 – 300	Deprospo 94	mult,p,pt
$D^+\ \mu^-$ X			
	10 – 200	Baker 91	cs
$D^0\ \mu^-$ X			
	10 – 200	Baker 91	cs
$D^*(2010)^+\ \mu^-$ X			
	10 – 100	Asratyan 95	cs,p
$D_1(2420)^0\ \mu^-$ X			
	10 – 100	Asratyan 95	cs
$D_2^*(2460)^0\ \mu^-$ X			
	10 – 100	Asratyan 95	cs
$D_{s1}(2536)^+\ \mu^-$ X			
	61.4	Asratyan 94	cs
$p\ \mu^-$ X			
	0.4 – 6	Merenyi 92	cs
$\Lambda\ \mu^-$ X			
	10 – 300	Deprospo 94	mult,p,pol,pt
$\overline{\Lambda}\ \mu^-$ X			
	10 – 300	Deprospo 94	mult,p,pt
$\Sigma^0\ \mu^-$ X			
	10 – 300	Deprospo 94	cs
$\Lambda_c^+\ \mu^-$ X			
	10 – 200	Baker 91	cs
μ^- 2charged$^+$ X			
	0 – 200	Korotkov 93	angp,mass,p,pt
	10 – 100	Korotkov 93	angp,mass,p,pt
μ^- charged$^+$ charged$^-$ X			
	0 – 200	Korotkov 93	angp,mass,p,pt
	10 – 100	Korotkov 93	angp,mass,p,pt
μ^- 2charged$^-$ X			
	0 – 200	Korotkov 93	angp,mass,p,pt
	10 – 100	Korotkov 93	angp,mass,p,pt
$2\mu^-\ e^+$ X			
	10 – 100	Choban 91	cs
$2\mu^-\ \mu^+$ X			
	10 – 100	Choban 91	cs
$\pi^+\ \pi^-\ \mu^-$ X			
	10 – 100	Zaetz 95	ang,mass,p

ν_μ Ne

$\pi^+\ \pi^-\ \mu^-$ X			
	10 – 200	Zaetz 95	ang,mass,p
	10 – 300	Deprospo 94	angp,mass,p
$K_S\ \mu^-\ e^+$ X			
	10 – 200	Baker 91	cs
$n\ \mu^-\ \gamma$ X			
	10 – 300	Deprospo 94	angp,mass,p
$\overline{n}\ \mu^-\ \gamma$ X			
	10 – 300	Deprospo 94	angp,mass,p
$p\ \pi^+\ \mu^-$ X			
	0.4 – 6	Merenyi 92	cs
$p\ \pi^0\ \mu^-$ X			
	0.4 – 6	Merenyi 92	cs
$p\ \pi^-\ \mu^-$ X			
	10 – 300	Deprospo 94	angp,mass,p
$n\ \pi^+\ \mu^-$ X			
	0.4 – 6	Merenyi 92	cs
$\overline{p}\ \pi^+\ \mu^-$ X			
	10 – 300	Deprospo 94	angp,mass,p
$\Lambda\ \mu^-\ \gamma$ X			
	10 – 300	Deprospo 94	angp,mass,p
$\Lambda\ \mu^-\ e^+$ X			
	10 – 200	Baker 91	cs
μ^- 2charged$^-$ mult[charged] X			
	0 – 200	Korotkov 93	angp,mass,mult,p,pt
	10 – 100	Korotkov 93	angp,mass,mult,p,pt
$K^*(892)^-\ K^+\ \mu^-\ \gamma$ X			
	61.4	Asratyan 94	mass
$K^*(892)^-\ K^+\ \pi^0\ \mu^-$ X			
	61.4	Asratyan 94	mass
$p\ 2\pi^0\ \mu^-$ X			
	0.4 – 6	Merenyi 92	cs
$p\ \pi^+\ \pi^-\ \mu^-$ X			
	0.4 – 6	Merenyi 92	cs
$K^0\ K_S\ \pi^+\ \pi^0\ \mu^-$ X			
	61.4	Asratyan 94	mass
$p\ \pi^+\ \pi^0\ (\pi^0\text{'s})\ \mu^-$ X			
	0.4 – 6	Merenyi 92	cs
$n\ 2\pi^+\ (\pi^0\text{'s})\ \mu^-$ X			
	0.4 – 6	Merenyi 92	cs
$n\ \pi^+\ \pi^0\ (\pi^0\text{'s})\ \mu^-$ X			
	0.4 – 6	Merenyi 92	cs
Ne $\pi^+\ \mu^-$			
	10 – 300	Willocq 92	angp,cs
	10 – 400	Willocq 92B	angp,cs,mass,p
Ne $\rho^+\ \mu^-$			
	10 – 300	Willocq 92	angp,cs
	10 – 400	Willocq 92B	angp,cs,mass,p

ν_μ Al

μ^- X			
	3 – 30	Anikeev 95	cs

ν_μ Fe

ν_μ X			
	10 – 160	Rolandi 92	const,cs,p
	30 – 600	Arroyo 94	const,cs
		King 93	const,cs
μ^- X			
	10 – 160	Rolandi 92	const,cs,p
	10 – 260	Virchaux 92	cs,p
	10 – 600	Mishra 92	p
	15 – 600	Quintas 93	angp,const,p
	30 – 230	Oltman 92	angp,p
	30 – 600	Arroyo 94	const,cs
		Mallot 94	p
		King 93	const,cs
		Leung 93	p
		Bodek 92	p
	37.1 – 230	Virchaux 92	cs
	?	Roberts 91	p
$2\mu^-$ X			
	30 – 600	Sandler 92	ang,cs,p,pt
$\mu^-\ \mu^+$ X			
	30 – 600	Bazarko 93	const,cs
		Sakumoto 92B	const,cs,p
	< 600	Bazarko 95	const,p
$2\mu^-\ \mu^+$ X			
	10 – 150	Choban 91	cs,mass
$\mu^-\ 2\mu^+$ X			
	10 – 150	Choban 91	cs,mass

$\overline{\nu}_\mu$ e^-

$e^-\ \overline{\nu}_\mu$			
	1.3	Radel 93	cs,p
	2	Radel 93	cs,p
	10 – 160	Dorenbosch 89	const,cs
	19.1	Vilain 94	const,cs
		Vilain 94D	const,cs
		Vilain 93	angp,const
		Vilain 93B	angp,const
		Rolandi 92	angp,const,cs
		Vilain 92	angp,const,cs
	19.3	Geiregat 91	const,cs
	20	Vilain 94C	angp
	25	Radel 93	cs,p

$\overline{\nu}_\mu$ q

$\mu^+\ q$			
	10 – 600	Mishra 92	const
	30 – 600	Leung 93	const

$\overline{\nu}_\mu$ nucleon

μ^+ 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
$K_S\ \mu^+$ X			
	110	Aderholz 92	cs,p
$\Lambda\ \mu^+$ X			
	110	Aderholz 92	cs,p
$\overline{\Lambda}\ \mu^+$ X			
	110	Aderholz 92	cs,p
μ^+ hadron (hadrons) X			
	110	Aderholz 92	cs,p
$\mu^-\ 2\mu^+$ X			
	20 – 200	Choban 91	cs,p

$\overline{\nu}_\mu$ p

μ^+ X			
	3 – 30	Ammosov 92B	cs
	5 – 150	Virchaux 92	p
	5 – 160	Jones 94C	angp,p
		Jones 94D	angp,p
	10 – 250	Virchaux 92	cs,p
μ^+ mult[charged] (neutrals)			
	10 – 150	Jones 91C	mass,mult,p

$\overline{\nu}_\mu\ p$

$\rho^0\ \mu^+$ X			
	10 – 150	Zaetz 95	dme
$f_2(1270)\ \mu^+$ X			
	10 – 200	Jones 91	angp,mass,mult,p,pt
$K_S\ \mu^+$ X			
	5 – 160	Jones 93B	cs,mult,p,pt
$K^*(892)^+\ \mu^+$ 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
$D_s^-\ \mu^-$ X			
	0 – 150	Asratyan 92	angp,cs
$D_s^{*-}\ \mu^-$ X			
	0 – 150	Asratyan 92	angp,cs
$\Lambda\ \mu^+$ X			
	5 – 160	Jones 93B	cs,mult,p,pt
$\overline{\Lambda}\ \mu^+$ X			
	5 – 160	Jones 93B	cs,mult,p,pt
$\Sigma(1385\,P_{13})^+\ \mu^+$ X			
	5 – 160	Jones 93B	mult,p,pt
$\Sigma(1385\,P_{13})^-\ \mu^+$ X			
	5 – 160	Jones 93B	mult,p,pt
μ^+ 2charged$^+$ X			
	0 – 150	Korotkov 93	angp,mass,p,pt
μ^+ charged$^+$ charged$^-$ X			
	0 – 150	Korotkov 93	angp,mass,p,pt
μ^+ 2charged$^-$ X			
	0 – 150	Korotkov 93	angp,mass,p,pt
$\pi^+\ \pi^-\ \mu^+$ X			
	10 – 150	Zaetz 95	ang,mass,p
$\rho^0\ \mu^+$ hadron (hadrons)			
	10 – 200	Jones 91B	angp,mult,p
$2K_S\ \mu^+$ X			
	5 – 160	Jones 93B	cs,mult,p,pt
$\Lambda\ K^0\ \mu^+$ X			
	5 – 160	Jones 93B	cs,mult,p,pt
$\overline{\Lambda}\ K^0\ \mu^+$ X			
	5 – 160	Jones 93B	cs,mult,p,pt
$2\Lambda\ \mu^+$ X			
	5 – 160	Jones 93B	cs,mult,p,pt
$\Lambda\ \overline{\Lambda}\ \mu^+$ X			
	5 – 160	Jones 93B	cs,mult,p,pt
μ^+ 2charged$^-$ mult[charged] X			
	0 – 150	Korotkov 93	angp,mass,mult,p,pt
$\pi^+\ \pi^-\ \mu^+$ hadron (hadrons)			
	10 – 200	Jones 91B	mass
$\Lambda\ \overline{\Lambda}\ K^0\ \mu^+$ X			
	5 – 160	Jones 93B	cs,mult,p,pt
$p\ \overline{\nu}_\mu$			
	0 – 12	Garvey 93	angp,const,cs
$n\ \mu^+$			
	3 – 30	Ammosov 92B	cs,p
	20 – 30	Vilain 94B	cs,p
$\Lambda\ \mu^+$			
	3 – 30	Ammosov 92B	cs
$p\ \pi^-\ \mu^+$			
	3 – 30	Ammosov 92B	cs
$n\ \pi^0\ \mu^+$			
	3 – 30	Ammosov 92B	cs

$\overline{\nu}_\mu\ p$

$p\ \rho^-\ \mu^+$			
	10 – 60	Jones 93C	angp,cs,p
$p\ \pi^0\ \pi^-\ \mu^+$			
	10 – 60	Jones 93C	mass
$p\ \rho^0\ \pi^-\ \mu^+$			
	10 – 60	Jones 93C	angp,cs,p
$p\ \pi^+\ 2\pi^-\ \mu^+$			
	10 – 60	Jones 93C	mass

$\overline{\nu}_\mu\ n$

μ^+ X			
	3 – 30	Ammosov 92B	cs
	10 – 250	Virchaux 92	cs,p
$n\ \pi^-\ \mu^+$			
	3 – 30	Ammosov 92B	cs

$\overline{\nu}_\mu$ nucleus

$\overline{\nu}_\mu$ X			
	3 – 30	Ammosov 92B	cs
	30 – 600	Smith 92B	const,cs
μ^+ X			
	3 – 30	Ammosov 92B	cs
	30 – 600	Smith 92B	const,p
mult[π^+] μ^+ X			
	3 – 30	Ammosov 92B	mult
mult[π^0] μ^+ X			
	3 – 30	Ammosov 92B	mult
mult[π^-] μ^+ X			
	3 – 30	Ammosov 92B	mult
μ^+ mult[shower] X			
	10 – 200	Ammosov 92	mult
μ^+ mult[grey] X			
	10 – 200	Ammosov 92	mult
μ^+ mult[htrack] X			
	10 – 200	Ammosov 92	mult
μ^+ mult[black] X			
	10 – 200	Ammosov 92	mult
μ^+ hadron$^+$ X			
	3 – 30	Ammosov 92B	mult
μ^+ hadron$^-$ X			
	3 – 30	Ammosov 92B	mult
μ^+ charged-hadron X			
	3 – 30	Ammosov 92B	p,pt
	10 – 100	Berggren 90	col,const,mass,p,pt
μ^+ shower X			
	10 – 200	Ammosov 92	mult
μ^+ grey X			
	10 – 200	Ammosov 92	mult
μ^+ htrack X			
	10 – 200	Ammosov 92	mult
μ^+ black X			
	10 – 200	Ammosov 92	mult
$\mu^-\ \mu^+$ X			
	20 – 500	Strongin 91	const,cs,p
	30 – 600	Hughes 93B	const,cs
		Rabinowitz 93	const,cs
		Smith 92B	cs
$2\mu^+$ X			
	30 – 600	Smith 92B	cs
$\pi^+\ \mu^+$ X			
	3 – 30	Ammosov 92B	mult
$\pi^0\ \mu^+$ X			
	3 – 30	Ammosov 92B	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
$D_s^{*-}\ \mu^-$ X			
	0 – 200	Asratyan 92	angp,cs
	10 – 100	Asratyan 92	angp,cs
$p\ \mu^+$ X			
	3 – 30	Ammosov 92B	p
$\pi^0\ \mu^+$ mult[hadron$^-$] X			
	3 – 30	Ammosov 92B	mult
$p\ \pi^+\ \mu^+$ X			
	3 – 30	Ammosov 92B	p
$p\ \pi^-\ \mu^+$ X			
	3 – 30	Ammosov 92B	p
$2p\ \mu^+$ X			
	3 – 30	Ammosov 92B	p
nucleus $\pi^-\ \mu^+$			
	3 – 30	Ammosov 92B	cs
	19.1	Vilain 93C	cs,p

$\overline{\nu}_\mu$ deuteron

μ^+ X			
	10 – 250	Arneodo 92	a-dep,p,pt
	?	Roberts 91	p
$\rho^0\ \mu^+$ X			
	10 – 260	Zaetz 95	dme
$D^*(2010)^-\ \mu^+$ X			
	10 – 260	Asratyan 95	cs
$D_s^-\ \mu^-$ X			
	0 – 260	Asratyan 92	angp,cs
$D_s^{*-}\ \mu^-$ X			
	0 – 260	Asratyan 92	angp,cs
$p\ \mu^+$ X			
	5 – 160	Jones 94C	angp,p
		Jones 94D	angp,p
$n\ \mu^+$ X			
	5 – 160	Jones 94C	angp,p
		Jones 94D	angp,p
μ^+ 2charged$^+$ X			
	0 – 260	Korotkov 93	angp,mass,p,pt
μ^+ charged$^+$ charged$^-$ X			
	0 – 260	Korotkov 93	angp,mass,p,pt
μ^+ 2charged$^-$ X			
	0 – 260	Korotkov 93	angp,mass,p,pt
$\pi^+\ \pi^-\ \mu^+$ X			
	10 – 260	Zaetz 95	ang,mass,p
μ^+ 2charged$^-$ mult[charged] X			
	0 – 260	Korotkov 93	angp,mass,mult,p,pt

$\overline{\nu}_\mu\ ^{12}C$

$^{12}C^* < {}^{12}C\ 2\gamma > \overline{\nu}_\mu$			
	0 – 0.0528	Bodmann 94	cor,cs,p
		Kretschmer 94B	cor,cs,p
$^{12}C^*\ \overline{\nu}_\mu$			
	0 – 0.035	Armbruster 94	cs
	0 – 0.0528	Drexlin 91	cs

$\overline{\nu}_\mu$ Ne

μ^+ X			
	10 – 250	Arneodo 92	a-dep,p,pt
$\rho^0\ \mu^+$ X			
	10 – 100	Zaetz 95	dme
	10 – 200	Zaetz 95	dme
$K_S\ \mu^+$ X			
	10 – 200	Willocq 91	mult,p,pt
	10 – 300	Deprospo 94	mult,p,pt
$D^*(2010)^-\ \mu^+$ X			
	10 – 100	Asratyan 95	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 $p_{\rm lab}$ in GeV/c, or in parentheses $E_{\rm cm}$ in GeV.

$\overline{\nu}_\mu$ Ne

Reaction	Momentum	Reference	Data
$\overline{D}_1(2420)^0 \mu^+ X$	10 – 100	Asratyan 95	cs
$\overline{D}_2^*(2460)^0 \mu^+ X$	10 – 100	Asratyan 95	cs
$D_{s1}(2536)^- \mu^+ X$	48.6	Asratyan 94	cs
$\Lambda \mu^+ X$	10 – 200	Willocq 91	mult,p,pol,pt
	10 – 300	Deprospo 94	mult,p,pol,pt
$\overline{\Lambda} \mu^+ X$	10 – 200	Willocq 91	mult
	10 – 300	Deprospo 94	mult,p,pt
$\Sigma^0 \mu^+ X$	10 – 200	Willocq 91	mult
	10 – 300	Deprospo 94	cs
$D_s^- \gamma X$	10 – 300	Asratyan 90	mass
μ^+ 2charged$^+$ X	0 – 200	Korotkov 93	angp,mass,p,pt
	10 – 100	Korotkov 93	angp,mass,p,pt
μ^+ charged$^+$ charged$^-$ X	0 – 200	Korotkov 93	angp,mass,p,pt
	10 – 100	Korotkov 93	angp,mass,p,pt
μ^+ 2charged$^-$ X	0 – 200	Korotkov 93	angp,mass,p,pt
	10 – 100	Korotkov 93	angp,mass,p,pt
$\pi^+ \pi^- \mu^+ X$	10 – 100	Zaetz 95	ang,mass,p
	10 – 200	Zaetz 95	ang,mass,p
		Willocq 91	mass
	10 – 300	Deprospo 94	angp,mass,p
$2K_S \mu^+ X$	10 – 200	Willocq 91	mult
$n \mu^+ \gamma X$	10 – 300	Deprospo 94	angp,mass,p
$\overline{n} \mu^+ \gamma X$	10 – 300	Deprospo 94	angp,mass,p
$p \pi^- \mu^+ X$	10 – 200	Willocq 91	mass
	10 – 300	Deprospo 94	angp,mass,p
$\overline{p} \pi^+ \mu^+ X$	10 – 300	Deprospo 94	angp,mass,p
$\Lambda \mu^+ \gamma X$	10 – 200	Willocq 91	mass
	10 – 300	Deprospo 94	angp,mass,p
$\Lambda K_S \mu^+ X$	10 – 200	Willocq 91	mult
$\overline{\Lambda} K_S \mu^+ X$	10 – 200	Willocq 91	mult
$2\Lambda \mu^+ X$	10 – 200	Willocq 91	mult
$\Lambda \overline{\Lambda} \mu^+ X$	10 – 200	Willocq 91	mult
$K_S K^- \gamma X$	10 – 300	Asratyan 90	mass
$K^*(892)^0 K^- \gamma X$	10 – 300	Asratyan 90	mass

$\overline{\nu}_\mu$ Ne

Reaction	Momentum	Reference	Data
$\phi(1020) \pi^- \gamma X$	10 – 300	Asratyan 90	mass
μ^+ 2charged$^-$ mult[charged] X	0 – 200	Korotkov 93	angp,mass,mult,p,pt
	10 – 100	Korotkov 93	angp,mass,mult,p,pt
$\Lambda\ 2K_S \mu^+ X$	10 – 200	Willocq 91	mult
$2K_S \pi^- \gamma X$	10 – 300	Asratyan 90	mass
$\phi(1020) \pi^0 \pi^- \gamma X$	10 – 300	Asratyan 90	mass
$K^+ \overline{K}^0 \pi^0 2\pi^- \mu^+ X$	48.6	Asratyan 94	mass
Ne $\pi^- \mu^+$	10 – 300	Willocq 92	angp,cs
	10 – 400	Willocq 92B	angp,cs,mass,p
Ne $\rho^- \mu^+$	10 – 300	Willocq 92	angp,cs
	10 – 400	Willocq 92B	angp,cs,mass,p
Ne $a_1(1260)^- \mu^+$	10 – 100	Marage 91	cs
Ne $\rho^0 \pi^- \mu^+$	10 – 100	Marage 91	cs,mass
Ne $\rho^- \pi^0 \mu^+$	10 – 100	Marage 91	cs,mass
Ne $\pi^0 \pi^- \mu^+ \gamma$	10 – 100	Marage 91	angp,cs,mass
Ne $2\pi^0 \pi^- \mu^+$	10 – 100	Marage 91	angp,cs,mass
Ne $\pi^+ 2\pi^- \mu^+$	10 – 100	Marage 91	angp,cs,mass

$\overline{\nu}_\mu$ Al

Reaction	Momentum	Reference	Data
$\mu^+ X$	3 – 30	Anikeev 95	cs

$\overline{\nu}_\mu$ Fe

Reaction	Momentum	Reference	Data
$\overline{\nu}_\mu X$	10 – 160	Rolandi 92	const,cs,p
	30 – 600	Arroyo 94	const,cs
$\mu^+ X$	10 – 160	Rolandi 92	const,cs,p
	10 – 260	Virchaux 92	cs,p
	10 – 600	Mishra 92	p
	15 – 600	Quintas 93	angp,const,p
	30 – 230	Oltman 92	angp,p
	30 – 600	Arroyo 94	const,cs
		Mallot 94	p
		Leung 93	p
	37.1 – 230	Virchaux 92	cs
	?	Roberts 91	p
$\mu^- \mu^+ X$	30 – 600	Bazarko 93	const,cs
		Sakumoto 92B	const,cs,p
	< 600	Bazarko 95	const,p
$2\mu^+ X$	30 – 600	Sandler 92	ang,cs,p,pt
$2\mu^- \mu^+ X$	10 – 150	Choban 91	cs,mass
$\mu^- 2\mu^+ X$	10 – 150	Choban 91	cs,mass

$\nu_\tau e^-$

Reaction	Momentum	Reference	Data
$e^- \nu_\tau$	< 400	Babu 94	cs
		Coopersarkar 91	cs

ν_τ nucleon

Reaction	Momentum	Reference	Data
$\tau^- X$	20	Danilov 94	cs

ν_τ nucleus

Reaction	Momentum	Reference	Data
$\tau^- X$	19.3 – 23.8	Gruwe 93	cs

$\overline{\nu}_\tau e^-$

Reaction	Momentum	Reference	Data
$e^- \overline{\nu}_\tau$	< 400	Coopersarkar 91	cs

$\overline{\nu}_\tau$ nucleus

Reaction	Momentum	Reference	Data
$\tau^+ X$	19.3 – 23.8	Gruwe 93	cs

$e^\pm$ nucleus

Reaction	Momentum	Reference	Data
$2\pi^+ X$	5	Degtyarenko 95	cor
$\pi^+ \pi^- X$	5	Degtyarenko 95	cor
$2\pi^- X$	5	Degtyarenko 95	cor

$e^\pm$ ^{16}O

Reaction	Momentum	Reference	Data
$p \pi^+ X$	5.001	Degtyarenko 94B	cor
$p \pi^- X$	5.001	Degtyarenko 94B	cor
$2p X$	5	Degtyarenko 93	ang,cor,mass,pt
	5.001	Degtyarenko 94B	cor
$2p$ mult[p] X	5	Degtyarenko 93	cor,mult

$e^- \gamma$

Reaction	Momentum	Reference	Data
$e^- X$	25 – 30.7	Sahu 95	p
		Sahu 95B	p
	45.6	Akers 93G	angp,mass,p
$\pi^+ \pi^- e^- 3\gamma X$	14.5	Bauer 93	cs,mass
$\pi^+ \pi^- e^- 4\gamma X$	14.5	Bauer 93	cs,mass

$e^- \gamma^*$

Reaction	Momentum	Reference	Data
e^- unspec	150	Bassompierre 93	cs

$e^- e^-$

Reaction	Momentum	Reference	Data
$2e^-$	0.0026 – 0.0029	Gobel 92	angp

e^- nucleon

Reaction	Momentum	Reference	Data
$e^- X$	1.5 – 5.5	Stuart 93	cs
$\Delta(1232 P_{33}) e^-$	1.5 – 5.5	Stuart 93	cs

$e^- p$

Reaction	Momentum	Reference	Data
X	(295)	Derrick 93C	cs,et
		Ahmed 92E	cs,et
		Derrick 92B	cs,et
	(296)	Lohr 95	cs
νX	(296)	Ahmed 94G	cs,pt

$e^- p$

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

$e^- p$

Reaction / Momentum	Reference	Data descriptors
$e^- e^+ X$		
(295)	Abt 93C	pt
μ^- jet X		
(300)	Aid 95J	cs,et,mass
$\mu^- \mu^+ X$		
(295)	Abt 93C	pt
τ^- jet X		
(300)	Aid 95J	cs,et,mass
$K_S e^- X$		
(296)	Derrick 95H	mult,p,pt
e^- charm X		
(296)	Brisson 94B	cs,p
$e^- \overline{\text{charm}}$ X		
(296)	Brisson 94B	cs,p
$D^*(2010)^+ e^- X$		
(295)	Barreiro 94	cs,p,pt
(296)	Bargende 95	cs,p,pt
	Derrick 95	cs,p,pt
	Garbincius 95	cs,p,pt
	Brisson 94B	cs
$D^*(2010)^- e^- X$		
(295)	Barreiro 94	cs,p,pt
(296)	Bargende 95	cs,p,pt
	Derrick 95	cs,p,pt
	Garbincius 95	cs,p,pt
	Brisson 94B	cs
$J/\psi(1S) e^- X$		
(295)	Ahmed 94D	cs,pt
(296)	Brisson 94B	cs
$p e^- X$		
$5-21.5$	Bosted 93	angp,p
(296)	Derrick 96	angp,cs,mass,p
	Ahmed 95D	angp,p
$\Lambda e^- X$		
(296)	Derrick 95H	mult,p,pt
2jet X		
(296)	Derrick 94G	mass
hadron (hadrons) X		
(295)	Barreiro 94	cor,et,p,pt
	Wolf 94	cs,et,p
(296)	Ahmed 94G	col,cs,pt
	Dainton 94	angp,col,et,mass,p
	Deroeck 94	angp,col,et,mass,p
	Laporte 93	angp,mass,p
γ jet X		
(295)	Greenshaw 94	mass
(296)	Derrick 94G	mass
W^- jet X		
(296)	Derrick 94G	mass
Z^0 jet X		
(296)	Derrick 94G	mass
e^- charged (chargeds) X		
(295)	Burow 94	angp,col
	Derrick 94E	ang,col,et,p
(296)	Lohr 95	ang,col,et,p
	Abt 94B	col,et,p
	Krasny 93	col,et,p
e^- (chargeds) jet X		
(295)	Derrick 94C	ang,cor,et,mass,p,pt
(296)	Lohr 95	ang,cor,et,mass,p,pt
e^- (jets) jet X		
(296)	Kuhlen 94	angp,const,cs
$e^\pm$ 2jet X		
(295)	Ahmed 94	et,p

$e^- p$

Reaction / Momentum	Reference	Data descriptors
e^- 2jet X		
(295)	Barreiro 94	cor,p,pt
	Feltesse 94	cs,et,p
	Derrick 93B	et,mass,pt
	Kuster 93	p,pt
(296)	Ahmed 95C	angp,et,p,pt
	Aid 95	angp,p,pt
	Butterworth 95	et,p
	Derrick 95E	angp,cs,p
	Ahmed 94E	angp,const,cs
	Colombo 94	angp,cor,et,p
	Dainton 94	cs,p
	Deroeck 94	cs
	Haas 94	cs,p
	Kuhlen 94	ang,angp,cs,p
	Labarga 94	et,p
	Berger 93	cs
	Feld 93	et,p
ν_e hadron (hadrons) X		
(295)	Feltesse 94	cs,pt
e^- hadron (hadrons) X		
(295)	Ahmed 94C	angp
	Barreiro 94	cor,p,pt
	Derrick 94F	et,mass,p,pt
	Feltesse 94	angp,col,p
	Schneider 93B	cor,p,pt
(296)	Aid 95D	et,p
	Aid 95H	angp,et
	Lohr 95	p
	Ahmed 94H	p
	Brisson 94B	cor,et,p,pt
	Colombo 94	cor,p,pt
	Derrick 94B	p
	Derrick 94G	col,et,mass
	Labarga 94	cor,mass,p
	Derrick 93F	p
	Feld 93	et,mass,p,pt
$3e^\pm$ X		
(295)	Abt 93C	pt
$2e^- e^+$ X		
(295)	Ahmed 94D	cs,mass
(296)	Brisson 94B	mass
	Derrick 94G	mass
	Harnew 94	cs,mass,pt
	Derrick 93E	mass,pt
$\mu^- \mu^+ e^\pm X$		
(295)	Abt 93C	pt
$\mu^- \mu^+ e^- X$		
(295)	Ahmed 94D	cs,mass
(296)	Brisson 94B	mass
$e^- \bar{c}\, c$ X		
(296)	Bargende 95	cs,p,pt
	Derrick 95	cs,p,pt
	Garbincius 95	cs,p,pt
$D^0 \pi^+ e^- X$		
(296)	Brisson 94B	mass
$\overline{D}^0 \pi^- e^- X$		
(296)	Brisson 94B	mass
$p e^-$ jet X		
(296)	Derrick 95K	et,p
$p e^-$ hadron (hadrons)		
(296)	Aid 96B	ang,angp,cor,p
	Doeker 95	angp
γ hadron (hadrons) X		
(296)	Derrick 94G	col,et,mass
e^- 2charged (chargeds) X		
(314)	Ahmed 92C	angp,col,et,p

$e^- p$

Reaction / Momentum	Reference	Data descriptors
e^- (chargeds) 2jet X		
(295)	Derrick 94C	ang,cor,et,mass,p,pt
(296)	Lohr 95	ang,cor,et,mass,p,pt
e^- (jets) 2jet X		
(296)	Derrick 95B	et,p
	Deroeck 94	cs
	Berger 93	cs
e^- (hadrons) 2jet X		
(295)	Derrick 94F	ang,cor,et,mass,p,pt
$(K_S$'s$)$ e^- 2jet X		
(295)	Barreiro 94	cor,et,p
e^- 3jet X		
(295)	Barreiro 94	cor,p,pt
	Feltesse 94	cs,et,p
	Derrick 93B	ang,et
	Kuster 93	p,pt
(296)	Aid 95	angp,p,pt
	Derrick 95E	angp,cs,p
	Derrick 95J	angp,et,p,pt
	Haas 94	cs,p
	Berger 93	cs
	Feld 93	et,p
(300)	Derrick 95N	const,cs,p
e^- hadron (hadrons) jet X		
(295)	Feltesse 94	cs,et,p
e^- 2hadron (hadrons) X		
(296)	Abramowicz 93	mass
	Pavel 93	mass
$e^\pm \gamma$ 2jet X		
(295)	Ahmed 94B	mass
$K_S e^-$ hadron (hadrons) X		
(296)	Derrick 95H	cor,mult,p,pt
$K^+ 2\pi^- e^- X$		
(296)	Brisson 94B	mass
$K^- 2\pi^+ e^- X$		
(296)	Brisson 94B	mass
nucleon e^- hadron (hadrons) X		
(296)	Derrick 96	angp,cs,mass,p
$p e^-$ hadron (hadrons) X		
(296)	Derrick 95I	cor,mass,p,pt
Λe^- hadron (hadrons) X		
(296)	Derrick 95H	cor,mult,p,pt
e^- charged (chargeds) 2jet X		
(296)	Aid 95I	angp,et,p
e^- 4jet X		
(295)	Feltesse 94	cs,et,p
e^- hadron (hadrons) 2jet X		
(295)	Barreiro 94	cor,et,p
$p e^-$		
0.855	Eyl 95	asym,pol
$1.5-9.8$	Andivahis 93	angp
	Bosted 92B	angp
$1.6-8.2$	Walker 94	angp,p
$2-5$	Makins 94	angp
$5-21.5$	Sill 92	angp
$9-21$	Stuart 93	cs
$9.8-21$	Rock 91	angp
(295)	Barreiro 94	p
?	Buenerd 92	angp
$\Delta(1232\, P_{33})^+ e^-$		
$1.5-5.5$	Stuart 93	cs
$p e^- \gamma$		
2.015	Vandenbrandt 95	angp,p

$e^- p$

$p\, e^-\, \gamma$		
(296)	Ahmed 95	et,p
$p\, \pi^0\, e^-$		
0.35 – 0.5	Welch 92	angp
0.525	Vandenbrink 95	angp
$n\, \pi^+\, e^-$		
(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
$p\, \eta\, e^-$		
1.49 – 1.59	Wilhelm 93	angp,cs,pwa
$p\, \rho^0\, e^-$		
(295)	Feltesse 94	cs
$p\, \rho^0 < \pi^+\, \pi^- >\, e^-$		
(296)	Derrick 95L	ang,cs,dme,p,pt
$p\, J/\psi(1S)\, e^-$		
(296)	Derrick 95F	cs,pt
$p\, 2e^-\, e^+$		
(295)	Barreiro 94	mass
$p\, \mu^-\, \mu^+\, e^-$		
(295)	Garbincius 95	mass
	Barreiro 94	mass
$p\, \pi^+\, \pi^-\, e^-$		
(295)	Barreiro 94	mass
	Burow 94	mass,pt
	Feltesse 94	mass
(296)	Aid 96	angp,mass,p
$p\, K^+\, K^-\, e^-$		
(295)	Barreiro 94	mass
	Burow 94	mass,pt
$p\, \pi^+\, \pi^0\, \pi^-\, e^-$		
(295)	Burow 94	mass,pt

$e^- n$

e^- 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^- nucleus

axion X		
275	Bross 89	cs
$e^-\, e^+$ X		
275	Bross 89	cs,mass
$\pi\, e^-$ X		
14.5	Degtyarenko 94	angp,cs,p
$p\, \pi^-\, e^-$ X		
14.5	Elouadrhiri 94	angp,mass,p
$2p\, e^-$ X		
14.5	Degtyarenko 94	angp,mass,p

e^- deuteron

e^- 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
3.75 – 19.5	Arneodo 92	a-dep,angp,p
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
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
$p\, e^-$ X		
0.1005 – 0.7205	Ducret 94	angp,p,pt
0.5	Dolfini 95	asym,pol
1.2	Boden 92	angp,p
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
$p\, n\, e^-$		
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
1.5 – 5.5	Lung 93	angp,mass
	Stuart 93B	angp,mass
1.6	Frommberger 93	angp
1.602	Frommberger 94	ang,angp
2	Mishnev 93	ang,angp,pol
2 – 5	Bulten 95	angp,p
p(spect) $n\, e^-$		
0.4509 – 0.4577	Anklin 94	cs
0.9 – 1.6	Bruins 95	cs,p
n(spect) $p\, e^-$		
0.4509 – 0.4577	Anklin 94	cs
0.9 – 1.6	Bruins 95	cs,p
$n\, \Delta(1232\, P_{33})^+\, e^-$		
?	Stuart 93	cs
$p\, \Delta(1232\, P_{33})^0\, e^-$		
1.5 – 5.5	Stuart 93	cs
?	Stuart 93	cs

$e^-\, {}^3$H

^{3}H e^-		
0.0999 – 0.75	Retzlaff 94	angp,p
0.189 – 0.689	Amroun 94	angp

$e^-\, {}^3$He

e^- 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
	Adeva 93B	pol
	Altarelli 93	pol
	Anthony 93C	pol
	Hughes 93B	pol
	Hughes 93C	asym
19.4 – 26	Petratos 93B	asym,p
25.4	Petratos 93	asym,p
^{3}He e^-		
0.0999 – 0.75	Retzlaff 94	angp,p
0.189 – 0.689	Amroun 94	angp
0.578	Thompson 92	angp,asym
$2p\, n\, e^-$		
0.37	Hansen 95	angp,asym
	Gao 94	angp,asym
0.855	Meyerhoff 94	asym

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

e^- 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
$p\, e^-$ X		
0.5	Legoff 94	angp,p
$\Delta(1232\, P_{33})\, e^-$ X		
1.16	Kuplennikov 94	angp,p
deuteron e^- X		
0.466	Ent 94	angp,p
2deuteron e^-		
0.466	Ent 94	angp,p
deuteron $p\, n\, e^-$		
0.466	Ent 94	angp,p

e^- He

e^- X		
8 – 24.5	Gomez 93	a-dep,p
	Arneodo 92	a-dep,angp,p

$e^-\, {}^6$Li

deuteron e^- X		
0.466	Ent 94	angp,p
^{4}He deuteron e^-		
0.466	Ent 94	angp,p
^{4}He* deuteron e^-		
0.466	Ent 94	angp,p

e^- Be

e^- 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

$e^-\, {}^9$Be

e^- X		
0.8185	Kuplennikov 91	angp,p

$e^-\, {}^{11}$Bor

^{11}Be $\pi^+\, e^-$		
0.2005	Yamaya 95	angp,p

e^- C

e^- 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
γ X		
25	Anthony 95	p
$p\, e^-$ X		
2 – 5	Makins 94	angp,p

$e^-\, {}^{12}$C

e^- X		
1.45 – 2.39	Vartapetyan 95	angp,p

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$e^- \, ^{12}\mathrm{C}$

e^- X		
2.02 – 3.995	Day 93	angp,cs,p
$p \, e^-$ X		
0.129	Tadokoro 94	angp,p
0.475	Kester 95	angp
1.94	Alanakyan 91	angp,p
$2p \, e^-$ X		
0.475	Kester 95B	angp
^{10}Bor deuteron e^-		
0.466	Ent 94	angp,p

$e^- \, ^{16}\mathrm{O}$

e^- X		
0.5 – 1.5	Anghinolfi 95	angp

e^- Al

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
9.8 – 21	Rock 91	angp,p
13 – 20	Arneodo 92	angp,p

$e^- \, ^{27}\mathrm{Al}$

e^- X		
2.02 – 3.995	Day 93	angp,cs,p

$e^- \, ^{30}\mathrm{Si}$

$^{29}\mathrm{Al} \, p \, e^-$		
0.33 – 0.454	Wesseling 92	p

$e^- \, ^{31}\mathrm{Ph}$

$^{30}\mathrm{Si} \, p \, e^-$		
0.33 – 0.454	Wesseling 92	p

$e^- \, ^{32}\mathrm{S}$

$^{31}\mathrm{Ph} \, p \, e^-$		
0.33 – 0.454	Wesseling 92	p

$e^- \, ^{40}\mathrm{Ar}$

e^- X		
0.5 – 1.5	Anghinolfi 95	angp

e^- Ca

e^- X		
8 – 24.5	Gomez 93	a-dep,p
	Arneodo 92	a-dep,angp,p

$e^- \, ^{40}\mathrm{Ca}$

$p \, e^-$ X		
0.348 – 0.841	Yates 93	angp,p

$e^- \, ^{50}\mathrm{Cr}$

$^{50}\mathrm{Ti} \, e^+$		
?	Zdesenko 92	–
$^{50}\mathrm{Ti} \, e^+ \, 2\nu_e$		
?	Zdesenko 92	–

$e^- \, ^{55}\mathrm{Fe}$

$^{55}\mathrm{Mn} \, \nu_e \, \gamma$		
0	Hime 92	p
	Norman 91	p

$e^- \, ^{56}\mathrm{Fe}$

e^- X		
2.02 – 3.995	Day 93	angp,cs,p
$\mathrm{Fe}^* \, e^-$		
0.9 – 4.3	Chen 91B	angp,p

e^- Fe

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

$e^- \, ^{58}\mathrm{Ni}$

$^{58}\mathrm{Fe} \, e^+$		
?	Zdesenko 92	–
$^{58}\mathrm{Fe} \, e^+ \, 2\nu_e$		
?	Zdesenko 92	–

e^- Cu

e^- X		
13 – 20	Arneodo 92	angp,p

$e^- \, ^{64}\mathrm{Zn}$

$^{64}\mathrm{Ni} \, e^+$		
?	Zdesenko 92	–
$^{64}\mathrm{Ni} \, e^+ \, 2\nu_e$		
?	Zdesenko 92	–

$e^- \, ^{71}\mathrm{Ge}$

$^{71}\mathrm{Ga} \, \nu \, \gamma$		
0	Hime 92	p

$e^- \, ^{78}\mathrm{Kr}$

$^{78}\mathrm{Se} \, e^+$		
?	Zdesenko 92	–
$^{78}\mathrm{Se} \, e^+ \, 2\nu_e$		
?	Zdesenko 92	–

$e^- \, ^{84}\mathrm{Sr}$

$^{84}\mathrm{Kr} \, e^+$ X		
?	Zdesenko 92	–

$e^- \, ^{92}\mathrm{Mo}$

$^{92}\mathrm{Zr} \, e^+$		
?	Zdesenko 92	–
$^{92}\mathrm{Zr} \, e^+ \, 2\nu_e$		
?	Zdesenko 92	–

$e^- \, ^{96}\mathrm{Ru}$

$^{96}\mathrm{Mo} \, e^+$		
?	Zdesenko 92	–
$^{96}\mathrm{Mo} \, e^+ \, 2\nu_e$		
?	Zdesenko 92	–

e^- Ag

e^- X		
8 – 24.5	Gomez 93	a-dep,p
	Arneodo 92	a-dep,angp,p

$e^- \, ^{106}\mathrm{Cd}$

$^{106}\mathrm{Pd} \, e^+$		
?	Zdesenko 92	–
$^{106}\mathrm{Pd} \, e^+ \, 2\nu_e$		
?	Zdesenko 92	–

$e^- \, ^{112}\mathrm{Sn}$

$^{112}\mathrm{Cd} \, e^+$ X		
?	Zdesenko 92	–

$e^- \, ^{120}\mathrm{Te}$

$^{120}\mathrm{Sn} \, e^+$ X		
?	Zdesenko 92	–

$e^- \, ^{124}\mathrm{Xe}$

$^{124}\mathrm{Te} \, e^+$		
?	Zdesenko 92	–
$^{124}\mathrm{Te} \, e^+ \, 2\nu_e$		
?	Zdesenko 92	–

$e^- \, ^{130}\mathrm{Ba}$

$^{130}\mathrm{Xe} \, e^+$ X		
?	Zdesenko 92	–

$e^- \, ^{139}\mathrm{Ce}$

$^{139}\mathrm{La}^*$		
0.0004441	Minowa 93	cs

e^- Wt

X 2millicharged		
29.5	Jaros 95	cs

$e^- \, ^{184}\mathrm{Os}$

$^{184}\mathrm{Wt} \, e^+$ X		
?	Zdesenko 92	–

$e^- \, ^{190}\mathrm{Pt}$

$^{190}\mathrm{Os} \, e^+$ X		
?	Zdesenko 92	–

e^- Au

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
13 – 20	Arneodo 92	angp,p
γ X		
8 – 25	Anthony 95	p

$e^- \, ^{197}\mathrm{Au}$

e^- X		
2.02 – 3.995	Day 93	angp,cs,p
fragt X		
3	Markaryan 95	angp,p

$e^- \, ^{208}\mathrm{Pb}$

e^- X		
0.262 – 0.645	Zghiche 94	angp

e^- crystal

$2e^- \, e^+$ X		
150	Bassompierre 93	mass

$e^+ \, \gamma$

e^+ X		
45.6	Akers 93G	angp,mass,p
$e^+ \, \gamma$		
46	Bini 91	p

$e^+ \, e^-$

mult[jet]		
(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
(91)	Bethke 91	cs
(91.2)	Acton 93E	const,cs,mult
	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
(91.25)	Buskulic 92C	cs

$e^+ e^-$

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

$e^+ e^-$

$K^\pm$ X		
(9.98)	Aleem 92	mult,p
(10.49)	Aleem 92	mult
(29)	Aleem 92	p
(34)	Aleem 92	mult,p
(91.2)	Akers 94C	cs,p
	Buskulic 94N	p
	Tesch 91	p
K^+ X		
(10 − 92)	Deangelis 93	cs
(58)	Itoh 94	p
(91.2)	Abreu 95D	mult,p
	Tesch 95	mult,p
	Akers 94C	cs,p
	Buskulic 94N	p
K^0 X + $\overline{K}^0$ X		
(9.98)	Aleem 92	mult,p
(10.49)	Aleem 92	mult,p
(14.8 − 42.6)	Aleem 92	col,cs,mult,p,pt
(29)	Aleem 92	mult,p
(35)	Aleem 92	cs,mult,p
K^0 X		
(10 − 92)	Deangelis 93	cs
(91.2)	Abreu 94Q	mult,p
	Buskulic 94M	mult,p,pt
	Hebbeker 91	mult,p
	Hebbeker 91B	mult,p
$\overline{K}^0$ X		
(91.2)	Hebbeker 91B	mult,p
K^- X		
(58)	Itoh 94	p
(91.2)	Abreu 95D	mult,p
	Tesch 95	mult,p
	Akers 94C	cs,p
	Buskulic 94N	p
	Tesch 91	p
K_S 0bottom 0charm X		
(91.2)	Akers 93I	col,p
K_S X		
(58)	Itoh 94	p
(88.3 − 94.3)	Maringer 92	cs,p
(91)	Schwiening 91	angp
(91.2)	Acciarri 94B	mult,p
	Buskulic 94M	mult,p,pt
(91.31)	Alexander 91E	cs,mult,p
K_L X		
(91.2)	Buskulic 94M	mult,p,pt
$K^*(892)^\pm$ X		
(29)	Aleem 92	mult
(34.5 − 42.6)	Aleem 92	cs,mult,p
(35)	Aleem 92	cs,mult,p
$K^*(892)^+$ X		
(9.46 − 10.58)	Albrecht 94G	angp,cs,p
(29)	Ronan 91	mult
(91.2)	Abreu 94Q	mult,p
	Hebbeker 91B	mult,p
$K^*(892)^+$ X + $K^*(892)^-$ X		
(10 − 92)	Deangelis 93	cs
(88.3 − 94.3)	Maringer 92	cs,p
(91.2)	Acton 92O	mult,p
$K^*(892)^0$ X		
(9.46 − 10.58)	Albrecht 94G	angp,cs,p
(29)	Aleem 92	mult,p
	Ronan 91	mult
(91.2)	Ting 93	p
	Abreu 92J	mult,p
$K^*(892)^0$ X + $\overline{K}^*(892)^0$ X		
(10 − 92)	Deangelis 93	cs
$\overline{K}^*(892)^0$ X		
(29)	Ronan 91	mult
(91.2)	Ting 93	p

$e^+ e^-$

$\overline{K}^*(892)^0$ X		
	Abreu 92J	mult,p
$K^*(892)^-$ X		
(29)	Ronan 91	mult
(91.2)	Abreu 94Q	mult,p
	Hebbeker 91B	mult,p
$K_2^*(1430)^+$ X + $K_2^*(1430)^-$ X		
(30)	Deangelis 93	cs
$K_2^*(1430)^0$ X + $\overline{K}_2^*(1430)^0$ X		
(30)	Deangelis 93	cs
$\phi(1020)$ X		
(10 − 92)	Deangelis 93	cs
(29)	Ronan 91	mult
charm X		
(58)	Sakuda 93	cs,p
$\overline{\text{charm}}$ X		
(58)	Sakuda 93	cs,p
charmed-meson X		
(10.35 − 10.58)	Kubota 94	cs
D^+ X + D^- X		
(10 − 92)	Deangelis 93	cs
(88.2 − 94.2)	Abreu 93G	p
D^+ X		
(9.4 − 10.6)	Albrecht 94J	cs
	Busse 93	p
(10.35 − 10.58)	Freyberger 94	−
(10.47)	Albrecht 91G	cs,p
(10.52 − 10.58)	Freyberger 94	−
	Bean 93	−
(88.3 − 94.3)	Buskulic 93P	cs,p
(91.2)	Abe 95ZQ	angp,asym
	King 94	asym,p
D^0 X + $\overline{D}^0$ X		
(10 − 92)	Deangelis 93	cs
(88.2 − 94.2)	Abreu 93G	p
D^0 X		
(9 − 11.5)	Danilov 94	cs
(9 − 12)	Danilov 94	cs
(9.3 − 10.6)	Semenov 94	cs
(9.4 − 10.6)	Albrecht 94J	cs
	Rohde 93	−
(10 − 10.6)	Albrecht 95E	−
(10.36 − 10.7)	Procario 92B	−
(10.4)	Albrecht 94L	−
	Litvintsev 94	cs
(10.47)	Albrecht 91G	cs,p
(10.52 − 10.58)	Freyberger 94	−
	Bean 93	−
(10.6)	Bartelt 95	−
(88.3 − 94.3)	Buskulic 93P	cs,p
(< 120)	Danilov 94	cs
$\overline{D}^0$ X		
(10 − 10.6)	Albrecht 95E	−
(10.4)	Albrecht 94L	−
(10.6)	Bartelt 95	−
(88.3 − 94.3)	Buskulic 93P	cs,p
D^- X		
(10.35 − 10.58)	Albrecht 91B	−
(88.3 − 94.3)	Buskulic 93P	cs,p
(91.2)	King 94	asym,p
$D^*(2010)^\pm$ X		
(91.3)	Geerts 91	p
$D^*(2010)$ X		
(10)	Albrecht 92O	−
$D^*(2010)^+$ X		
(9 − 12)	Danilov 94	cs
(9.3 − 10.6)	Semenov 94	cs
(9.46 − 10.58)	Albrecht 92G	cs
(10)	Albrecht 94N	−
(10.36 − 10.7)	Procario 92B	−
(10.4)	Albrecht 94L	−
	Litvintsev 94	−
(10.47)	Albrecht 91G	cs,p
(10.5)	Kubota 91	angp
(10.52 − 10.58)	Kubota 95	−

$e^+ e^-$

$D^*(2010)^+$ X		
	Freyberger 94	−
(10.52 − 10.7)	Balest 94	−
(10.58)	Butler 95	−
	Cinabro 93B	cs
(10.6)	Freyberger 96	−
	Bartelt 95	−
	Akerib 93	−
	Bortoletto 92	−
	Butler 92	−
(29)	Aihara 91	asym,pol
	Nurushev 91	asym
(57.9 − 58)	Suzuki 93C	angp,cs
(57.96)	Nakano 93	angp,cs,pt
(58)	Sakuda 93	angp,cs
(88.3 − 94.3)	Buskulic 93P	cs,p
(89.75 − 92.64)	Akers 93E	cs,p
(91.2)	Abe 95ZQ	angp,asym
	Buskulic 95J	p
	King 94	asym,p
	Alexander 91	p
$D^*(2010)^+$ X + $D^*(2010)^-$ X		
(10 − 92)	Deangelis 93	cs
(58)	Hinode 93	cs
(88.2 − 94.2)	Abreu 93G	p
$D^*(2010)^0$ X + $\overline{D}^*(2010)^0$ X		
(10 − 30)	Deangelis 93	cs
$D^*(2010)^0$ X		
(9 − 12)	Danilov 94	cs
(10)	Albrecht 94N	−
(10.6)	Brown 94	−
	Bortoletto 92	−
	Butler 92	−
(88.3 − 94.3)	Buskulic 93P	cs,p
$\overline{D}^*(2010)^0$ X		
(10)	Albrecht 94N	−
(88.3 − 94.3)	Buskulic 93P	cs,p
$D^*(2010)^-$ X		
(10)	Albrecht 94N	−
(10.4)	Albrecht 94L	−
(10.52 − 10.58)	Kubota 95	−
(10.58)	Butler 95	−
(10.6)	Freyberger 96	−
	Bartelt 95	−
(29)	Aihara 91	asym,pol
(57.9 − 58)	Suzuki 93C	angp,cs
(57.96)	Nakano 93	angp,cs,pt
(58)	Sakuda 93	angp,cs
(88.3 − 94.3)	Buskulic 93P	cs,p
(89.75 − 92.64)	Akers 93E	cs,p
(91.2)	Buskulic 95J	p
	King 94	asym,p
	Alexander 91	p
D_s^+ X		
(9.4 − 10.6)	Busse 93	p
(10.35 − 10.58)	Alexander 92	−
(10.35 − 10.6)	Avery 92	−
(10.35 − 11.6)	Alexander 93	p
(10.36 − 10.58)	Muheim 93B	cs
	Daoudi 91	−
(10.5)	Albrecht 91J	cs,p
(10.52 − 10.58)	Freyberger 94	−
(10.6)	Brandenburg 95	−
	Butler 94	−
D_s^- X		
(10.35 − 10.58)	Albrecht 91B	−
(10.5)	Albrecht 91J	cs,p
(10.6)	Brandenburg 95	−
D_s^* X		
(10.6)	Acosta 93	−
D_s^{*+} X		
(10.35 − 11.6)	Alexander 93	p
(10.6)	Gronberg 95	−
	Brown 94	−
	Muheim 93	−
D_s^{*-} X		
(10.6)	Gronberg 95	−

$e^+ e^-$

$D_1(2420)^+$ X		
(10.58)	Bergfeld 94B	cs,p
$D_1(2420)^0$ X		
(10.58)	Avery 94	cs
(88.3 – 94.3)	Buskulic 93P	cs,p
$\overline{D}_1(2420)^0$ X		
(88.3 – 94.3)	Buskulic 93P	cs,p
$D_1(2420)^-$ X		
(10.58)	Bergfeld 94B	cs,p
$D_2^*(2460)^+$ X		
(10.58)	Bergfeld 94B	cs,p
$D_2^*(2460)^0$ X		
(10.58)	Avery 94	cs
(88.3 – 94.3)	Buskulic 93P	cs,p
$\overline{D}_2^*(2460)^0$ X		
(88.3 – 94.3)	Buskulic 93P	cs,p
$D_2^*(2460)^-$ X		
(10.58)	Bergfeld 94B	cs,p
$D_{s1}(2536)^+$ X		
(9 – 12)	Danilov 94	cs
(10.35 – 11.6)	Alexander 93	cs,p
(10.4)	Albrecht 92N	cs
$D_{sJ}(2564)^+$ X		
(9 – 12)	Danilov 94	cs
$D_{s2}(2573)^+$ X		
(10 – 10.6)	Albrecht 95D	cs,p
$D_{s2}(2573)^-$ X		
(10 – 10.6)	Albrecht 95D	cs,p
$J/\psi(1S)$ X		
(91.2)	Abreu 95O	cs
	Alexander 95E	cs,mult,p
	Abreu 94M	cs
(91.31)	Alexander 91I	cs
$\chi_{c1}(1P)$ X		
(10.58)	Albrecht 91D	cs
(91.2)	Abreu 94M	cs
$\psi(2S)$ X		
(91.2)	Abreu 95O	cs
	Alexander 95E	cs,mult,p
	Abreu 94M	cs
bottom X		
(10.6 – 91.3)	Atwood 91	–
(29)	Forty 93	–
(34)	Forty 93	–
(35)	Forty 93	–
(58)	Sakuda 93	cs,p
(88.2 – 94.2)	Abreu 94F	cs
	Abreu 93I	cs
	Adriani 93B	p
(91.2)	Buskulic 93N	cs
	Colas 91	p
bottom X + $\overline{\text{bottom}}$ X		
(88.2 – 94.2)	Buskulic 95E	p
	Buskulic 92F	cs
$\overline{\text{bottom}}$ X		
(58)	Sakuda 93	cs,p
(88.2 – 94.2)	Adriani 93B	p
(91.2)	Buskulic 93N	cs
$B^\pm$ X		
(10.58 – 29)	Drell 91	p
B X		
(88.2 – 94.2)	Luke 93	–
(91.2)	Abreu 96C	–
	Alexander 95E	p
B^+ X		
(88.3 – 94.3)	Buskulic 93D	cs
(91.2)	Abe 95ZN	–
	Abreu 95L	–
	Adam 95B	–

$e^+ e^-$

B^+ X		
	Akers 95R	–
	Alexander 95C	p
	Alexander 95E	p
	Buskulic 95L	p
B^0 X		
(10.58)	Alam 94C	p
	Ammar 93B	–
(10.58 – 29)	Drell 91	p
(88.3 – 94.3)	Buskulic 93D	cs
(91)	Abreu 95E	cs
(91.2)	Abreu 96C	–
	Abe 95ZN	–
	Abreu 95L	–
	Adam 95B	–
	Akers 95R	–
	Alexander 95C	p
	Alexander 95E	p
	Buskulic 95L	p
$\overline{B}$ X		
(91.2)	Abreu 96C	–
	Alexander 95E	p
$\overline{B}^0$ X		
(10.58)	Alam 94C	p
	Athanas 94	p
(10.58 – 29)	Drell 91	p
(88.3 – 94.3)	Buskulic 93D	cs
(91.2)	Abreu 96C	–
	Abe 95ZN	–
	Abreu 95L	–
	Adam 95B	–
	Akers 95R	–
	Alexander 95C	p
	Alexander 95E	p
	Buskulic 95L	p
	Buskulic 95S	–
B^- X		
(10.58)	Alam 94C	p
	Athanas 94	p
(88.3 – 94.3)	Buskulic 93D	cs
(91)	Abreu 95E	cs
(91.2)	Abe 95ZN	–
	Abreu 95L	–
	Adam 95B	–
	Akers 95R	–
	Alexander 95C	p
	Alexander 95E	p
	Buskulic 95L	p
B(unspec) X		
(91.2)	Acciarri 95D	cs
B^* X		
(10.61 – 10.7)	Akerib 91	cs
B^{*+} X		
(91.2)	Abreu 95H	p
B^{*0} X		
(91.2)	Abreu 95H	p
$\overline{B}^{*0}$ X		
(91.2)	Abreu 95H	p
B^{*-} X		
(91.2)	Abreu 95H	p
$B_J^*(5732)$ X		
(91.2)	Abreu 95R	cs
$\overline{B}_J^*(5732)$ X		
(91.2)	Abreu 95R	cs
B^*(unspec) X		
(91.2)	Acciarri 95D	cs
B_s X		
(91)	Abreu 95E	cs
(91.2)	Akers 95P	cs
	Alexander 95E	p
	Buskulic 95T	cs
	Buskulic 94B	cs
	Acton 93L	cs
	Buskulic 93H	cs
	Abreu 92F	cs
$\overline{B}_s$ X		
(91.2)	Akers 95P	cs

$e^+ e^-$

$\overline{B}_s$ X		
	Alexander 95E	p
	Buskulic 95T	cs
	Buskulic 94B	cs
	Acton 93L	cs
	Buskulic 93H	cs
	Abreu 92F	cs
B_c^+ X		
(91.2)	Alexander 95E	cs
B_c^- X		
(91.2)	Alexander 95E	cs
Υ(unspec) X		
(91.2)	Abreu 95O	cs
p X + $\overline{p}$ X		
(10 – 91.2)	Deangelis 93	cs,p
(91.2)	Akers 94C	cs,p
	Buskulic 94N	p
	Tesch 91	p
p X		
(10.5 – 10.58)	Crawford 91B	p
(58)	Itoh 94	p
(91.2)	Abreu 95D	mult,p
	Tesch 95	mult,p
	Akers 94C	cs,p
	Buskulic 94N	p
$\overline{p}$ X		
(58)	Itoh 94	p
(91.2)	Abreu 95D	mult,p
	Tesch 95	mult,p
	Akers 94C	cs,p
	Buskulic 94N	p
	Tesch 91	p
$\Delta(1232\,P_{33})^{++}$ X		
(91.2)	Abreu 95J	mult,p
	Alexander 95B	p
$\Delta(1232\,P_{33})^{++}$ X + $\overline{\Delta}(1232\,P_{33})^{--}$ X		
(10 – 91.2)	Deangelis 93	cs,p
$\overline{\Delta}(1232\,P_{33})^{--}$ X		
(91.2)	Abreu 95J	mult,p
	Alexander 95B	p
	Alexander 95C	p
Λ X		
(7.2 – 10)	Blinov 94	mult
(9.46)	Blinov 94	mult,p
(29)	Oyang 91	cs,p
	Ronan 91	mult
(91.2)	Acciarri 94B	mult,p
	Buskulic 94M	mult,p,pt
	Abreu 93K	mult,p
	Hebbeker 91	mult,p
	Hebbeker 91B	mult,p
Λ X + $\overline{\Lambda}$ X		
(10 – 91.2)	Deangelis 93	cs,p
(29)	Geld 92	mult,p
$\overline{\Lambda}$ X		
(29)	Oyang 91	cs,p
(91.2)	Buskulic 94M	mult,p,pt
	Abreu 93K	mult,p
	Hebbeker 91B	mult,p
$\Lambda(1520\,D_{03})$ X + $\overline{\Lambda}(1520\,D_{03})$ X		
(10)	Deangelis 93	cs
Σ^+ X		
(91.2)	Abreu 95C	mult,p
Σ^0 X		
(91.2)	Adam 96	cs
Σ^0 X + $\overline{\Sigma}^0$ X		
(10 – 91.2)	Deangelis 93	cs,p
Σ^- X		
(91.2)	Abreu 95C	mult,p
$\overline{\Sigma}^+$ X		
(91.2)	Abreu 95C	mult,p

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$e^+ e^-$

$\overline{\Sigma}^0$ X		
(91.2)	Adam 96	cs
$\overline{\Sigma}^-$ X		
(91.2)	Abreu 95C	mult,p
$\Sigma(1385\,P_{13})^+$ X		
(91.2)	Abreu 95C	mult,p
$\Sigma(1385\,P_{13})^-$ X		
(91.2)	Abreu 95C	mult,p
$\Sigma(1385\,P_{13})^-$ X + $\overline{\Sigma}(1385\,P_{13})^+$ X		
(10 – 91.2)	Deangelis 93	cs,p
$\overline{\Sigma}(1385\,P_{13})^+$ X		
(91.2)	Abreu 95C	mult,p
$\overline{\Sigma}(1385\,P_{13})^-$ X		
(91.2)	Abreu 95C	mult,p
Ξ^- X		
(9.46)	Blinov 94	mult
(29)	Oyang 91	cs,p
	Ronan 91	mult
(91.2)	Abreu 95C	mult,p
	Hebbeker 91B	mult,p
Ξ^- X + $\overline{\Xi}^+$ X		
(10 – 91.2)	Deangelis 93	cs,p
$\overline{\Xi}^+$ X		
(91.2)	Hebbeker 91B	mult,p
$\Xi(1530\,P_{13})^0$ X		
(29)	Oyang 91	cs,p
(91.2)	Abreu 95C	mult,p
$\Xi(1530\,P_{13})^0$ X + $\overline{\Xi}(1530\,P_{13})^0$ X		
(10 – 91.2)	Deangelis 93	cs,p
$\overline{\Xi}(1530\,P_{13})^0$ X		
(91.2)	Abreu 95C	mult,p
Ω^- X		
(29)	Oyang 91	cs,p
	Ronan 91	mult
(91.2)	Adam 96	cs
Ω^- X + $\overline{\Omega}^+$ X		
(10 – 91.2)	Deangelis 93	cs,p
$\overline{\Omega}^+$ X		
(91.2)	Adam 96	cs
charmed-baryon X		
(10.58)	Albrecht 93F	cs,p
Λ_c X		
(10.55)	Avery 90B	cs,p
(10.6)	Kubota 93	–
(29)	Ronan 91	mult
Λ_c^+ X + $\overline{\Lambda}_c^-$ X		
(10 – 91.2)	Deangelis 93	cs,p
Λ_c^+ X		
(10.3 – 10.58)	Procario 91	–
(10.35 – 10.6)	Avery 93	–
(10.4)	Albrecht 94F	–
	Albrecht 94S	cs
	Albrecht 92C	–
	Albrecht 91F	cs
(10.52 – 10.58)	Alexander 95	p
	Bishai 95	–
(10.56)	Ammar 95	–
	Crawford 95	–
	Spengler 94	cs
(10.58)	Bergfeld 94	–
$\overline{\Lambda}_c^-$ X		
(10.4)	Albrecht 94S	cs
(10.52 – 10.58)	Bishai 95	–
(10.56)	Ammar 95	–
	Crawford 95	–
	Spengler 94	cs
$\Lambda_c(2625)^+$ X		
(9.3 – 10.6)	Semenov 94	cs
(10.4)	Litvintsev 94	cs

$e^+ e^-$

$\Lambda_c(2625)^+$ X		
(10.52 – 10.58)	Fujino 95	cs,p
	Edwards 94	cs,p
Λ_c^{*+} X		
(10.52 – 10.58)	Fujino 95	cs,p
	Edwards 94	cs,p
(10.56)	Spengler 94	cs,p
$\overline{\Lambda}_c^{*-}$ X		
(10.52 – 10.58)	Fujino 95	cs,p
	Edwards 94	cs,p
(10.56)	Spengler 94	cs,p
$\overline{\Lambda}_c(2625)^-$ X		
(10.52 – 10.58)	Fujino 95	cs,p
	Edwards 94	cs,p
$\Sigma_c(2455)^{++}$ X + $\overline{\Sigma}_c(2455)^{--}$ X		
(10 – 30)	Deangelis 93	cs
$\Sigma_c(2455)^{++}$ X		
(10.5)	Crawford 93	cs
(10.56)	Spengler 94	cs
(10.58)	Procario 93	p
$\Sigma_c(2455)^+$ X		
(10.5)	Crawford 93	cs
(10.58)	Procario 93	p
$\Sigma_c(2455)^0$ X + $\overline{\Sigma}_c(2455)^0$ X		
(10 – 30)	Deangelis 93	cs
$\Sigma_c(2455)^0$ X		
(10.5)	Crawford 93	cs
(10.56)	Spengler 94	cs
(10.58)	Procario 93	p
$\overline{\Sigma}_c(2455)^0$ X		
(10.56)	Spengler 94	cs
$\overline{\Sigma}_c(2455)^{--}$ X		
(10.56)	Spengler 94	cs
$\Xi_c(2460)^+$ X		
(10)	Alexander 94	cs
(10.6)	Edwards 95B	cs,p
$\Xi_c(2460)^0$ X		
(10)	Alexander 94	cs
(10.4)	Albrecht 94S	cs
	Albrecht 92R	cs
(10.56)	Spengler 94	cs
(10.58 – 10.86)	Procario 91	–
$\overline{\Xi}_c(2460)^0$ X		
(10)	Alexander 94	cs
(10.4)	Albrecht 94S	cs
(10.56)	Spengler 94	cs
$\overline{\Xi}_c(2460)^-$ X		
(10)	Alexander 94	cs
(10.6)	Edwards 95B	cs,p
Ω_c X		
(10.56)	Spengler 94	cs
(10.58)	Albrecht 92J	cs
$\overline{\Omega}_c$ X		
(10.56)	Spengler 94	cs
Λ_b X		
(91.2)	Abreu 95M	cs
	Akers 95U	–
	Akers 95W	cs
	Alexander 95E	cs
	Buskulic 95F	–
	Musolino 95	–
	Abreu 93C	cs
	Akers 93B	cs
	Deangelis 93	cs
$\overline{\Lambda}_b$ X		
(91.2)	Abreu 95M	cs
	Akers 95U	–
	Akers 95W	cs
	Alexander 95E	cs
	Buskulic 95F	–
	Musolino 95	–

$e^+ e^-$

$\overline{\Lambda}_b$ X		
	Abreu 93C	cs
	Akers 93B	cs
Ξ_b^0 X + Ξ_b^- X		
(91.2)	Abreu 95N	cs
$\overline{\Xi}_b^+$ X + $\overline{\Xi}_b^0$ X		
(91.2)	Abreu 95N	cs
Ξ^*(unspec)^0 X		
(29)	Ronan 91	mult
$\overline{\text{deuteron}}$ X		
(91.2)	Akers 95H	cs
$^3\overline{\text{H}}$ X		
(91.2)	Akers 95H	cs
ℓ^+ jet$^-$ X		
(91.2)	Buskulic 95U	angp,pt
$2\ell^-$ X		
(88.2 – 94.2)	Buskulic 94D	col,pt
	Steinberger 90	asym,p,pt
(91.2)	Akers 95E	col,cs
	Abreu 94J	ang,col,pt
	Sefkow 93	asym
	Abreu 92L	ang,col
	Colas 91	angp
$\ell^+ \ell^-$ X		
(10.5)	Kroha 93	angp
(10.58)	Athanas 94	mass
	Schafer 91	ang,mass
(88.2 – 94.2)	Buskulic 94D	col,pt
	Steinberger 90	asym,p,pt
(91.2)	Abreu 94J	ang,col,pt
	Sefkow 93	asym
	Abreu 92L	ang,col
	Colas 91	angp
$2\ell^+$ X		
(88.2 – 94.2)	Steinberger 90	asym,p,pt
(91.2)	Akers 95E	col,cs
	Abreu 94J	ang,col,pt
	Sefkow 93	asym
	Abreu 92L	ang,col
	Colas 91	angp
$2\ell^+$ X + $2\ell^-$ X		
(10.5)	Kroha 93	angp
(10.58)	Athanas 94	mass
	Schafer 91	ang,mass
$\nu \overline{\nu}$ X		
(88.2 – 94.2)	Adeva 91B	mass
(88.2 – 94.3)	Alexander 91B	mass
$\nu \overline{\nu}$ (neutrals)		
(91.2)	Buskulic 93L	cs,mass
e^+ mult[hadron] X		
(50 – 60.8)	Kim 90C	mass
e^- jet X		
(57.9)	Nakano 94	angp,p,pt
(91.2)	Abe 94V	angp,const,p,pt
e^+ jet X		
(57.9)	Nakano 94	angp,p,pt
(91.2)	Abe 94V	angp,const,p,pt
$e^\pm$ (hadrons) jet		
(52 – 61.4)	Nagai 91	angp
e^- hadron$^+$ X + e^+ hadron$^-$ X		
(10.58)	Schafer 91	p
e^- hadron$^-$ X + e^+ hadron$^+$ X		
(10.58)	Schafer 91	p
$e^\pm \gamma$ X		
(10.6)	Acosta 93	ang,mass,p,pt

$e^+ e^-$

$2e^-$ X
(10.5) Kroha 92B ang,angp,p

$2e^-$ X + $2e^+$ X
(10.53 – 10.58) Bartelt 93 cs
Besson 93B cs

$e^- e^+$ X
(9.4 – 10.6) Albrecht 93C ang,p
(10.53 – 10.58) Bartelt 93 cs
Besson 93B cs
(10.58) Ammar 93B mass
Lafferty 92 p
(50 – 60.8) Kim 90C mass
(88.2 – 94.2) Abreu 94M mass
Adeva 91B mass
(88.2 – 94.3) Alexander 91B mass
(91.2) Abreu 95G angp,mass,p
Abreu 95O ang,mass
(91.24) Adriani 92E col

$2e^+$ X
(10.5) Kroha 92B ang,angp,p

$e^- e^+$ (γ's)
(88 – 94) Dittmar 92 p
(130.3 – 140.2) Acciarri 95K angp,cs

$e^- e^+$ mult[jet]
(50 – 62) Olsen 91 col,pt
(58) Tsuboyama 92 pt

μ^+ mult[hadron] X
(50 – 60.8) Kim 90C mass

μ^- jet X
(91.2) Abe 94V angp,const,p,pt

μ^+ jet X
(91.2) Abe 94V angp,const,p,pt

μ^- hadron$^+$ X + μ^+ hadron$^-$ X
(10.58) Schafer 91 p

μ^- hadron$^-$ X + μ^+ hadron$^+$ X
(10.58) Schafer 91 p

$\mu^\pm \gamma$ X
(10.6) Acosta 93 ang,mass,p,pt

$\mu^- e^-$ X
(10.5) Kroha 92B ang,angp,p

$\mu^- e^-$ X + $\mu^+ e^+$ X
(10.53 – 10.58) Bartelt 93 cs
Besson 93B cs

$\mu^- e^+$ X
(9.4 – 10.6) Albrecht 93C ang,p
(10) Schmidtler 95 cor,p
Albrecht 93E cor,p
(50 – 60.8) Kim 90C mass
(91.24) Adriani 92E col

$\mu^- e^+$ X + $\mu^+ e^-$ X
(3.568 – 3.579) Bai 92 p
(10.53 – 10.58) Bartelt 93 cs
Besson 93B cs
(10.58) Ammar 93B mass

$\mu^+ e^-$ X
(9.4 – 10.6) Albrecht 93C ang,p
(10) Schmidtler 95 cor,p
Albrecht 93E cor,p
(50 – 60.8) Kim 90C mass
(91.24) Adriani 92E col

$\mu^+ e^+$ X
(10.5) Kroha 92B ang,angp,p

$2\mu^-$ X
(10.5) Kroha 92B ang,angp,p

$2\mu^-$ X + $2\mu^+$ X
(10.53 – 10.58) Bartelt 93 cs
Besson 93B cs

$e^+ e^-$

$\mu^- \mu^+$ X
(10.53 – 10.58) Bartelt 93 cs
Besson 93B cs
(10.58) Ammar 93B mass
(14.8 – 42.6) Aleem 92 cs
(35) Aleem 92 cs
(50 – 60.8) Kim 90C mass
(88.2 – 94.2) Abreu 94M mass
Adeva 91B mass
(88.2 – 94.3) Alexander 91B mass
(91.2) Abreu 95O ang,mass
(91.24) Adriani 92E col

$2\mu^+$ X
(10.5) Kroha 92B ang,angp,p

$\mu^- \mu^+$ (γ's)
(88 – 94) Dittmar 92 p
(130.3 – 140.2) Acciarri 95K angp,cs

$\mu^- \mu^+$ mult[γ]
(91.2) Abreu 94N cs

$\overline{\nu}_\tau$ hadron$^-$ X
(91.2) Abreu 95T angp,const,cor

$\tau^- \tau^+$ X
(88.2 – 94.2) Adeva 91B mass
(88.2 – 94.3) Alexander 91B mass
(91.2) Buskulic 95 col

$\tau^- \tau^+$ (γ's)
(88 – 94) Dittmar 92 p
(88.24 – 94.23) Grunewald 93 angp,const,cs
(130.3 – 140.2) Acciarri 95K angp,cs

$\pi^+ \ell^-$ X + $\pi^- \ell^+$ X
(10.53 – 10.58) Bartelt 93 mass
Besson 93B mass

$\pi^+ e^-$ X + $\pi^- e^+$ X
(10.58) Ammar 93B pt

$\pi^+ \mu^-$ X + $\pi^- \mu^+$ X
(10.58) Ammar 93B pt

$\pi^+ \overline{\nu}_\tau$ X
(91.2) Abreu 95T angp,const,cor

$\rho^+ e^-$ X
(10.5) Kroha 92B mass,p

$\rho^0 e^-$ X
(9.4 – 10.58) Bartelt 94 cs,mass,p,pt
(10.5) Kroha 92B mass,p

$\rho^0 e^+$ X
(9.4 – 10.58) Bartelt 94 cs,mass,p,pt
(10.5) Kroha 92B mass,p

$\rho^- e^+$ X
(10.5) Kroha 92B mass,p

$\rho^+ \mu^-$ X
(10.5) Kroha 92B mass,p

$\rho^0 \mu^-$ X
(9.4 – 10.58) Bartelt 94 cs,mass,p,pt
(10.5) Kroha 92B mass,p

$\rho^0 \mu^+$ X
(9.4 – 10.58) Bartelt 94 cs,mass,p,pt
(10.5) Kroha 92B mass,p

$\rho^- \mu^+$ X
(10.5) Kroha 92B mass,p

$\rho^+ \overline{\nu}_\tau$ X
(91.2) Abreu 95T angp,const,cor

ωe^- X
(10.5) Kroha 92B mass,p

ωe^+ X
(10.5) Kroha 92B mass,p

$\omega \mu^-$ X
(10.5) Kroha 92B mass,p

$e^+ e^-$

$\omega \mu^+$ X
(10.5) Kroha 92B mass,p

$a_1(1260)^+ \overline{\nu}_\tau$ X
(91.2) Abreu 95T angp,const,cor

$K^+ e^+$ X
(10.58) Cronstrom 91 ang

$K^- e^+$ X
(10.58) Cronstrom 91 ang

$K_S e^+$ X
(10.58) Cronstrom 91 ang

$K^+ \mu^+$ X
(10.58) Cronstrom 91 ang

$K^- \mu^+$ X
(10.58) Cronstrom 91 ang

$K_S \mu^+$ X
(10.58) Cronstrom 91 ang

$K^+ \overline{\nu}_\tau$ X
(91.2) Abreu 95T angp,const,cor

$K^*(892)^+ \ell^+$ X
(10.58) Cronstrom 91 ang,mass

$K^*(892)^0 \ell^+$ X
(10.58) Cronstrom 91 ang,mass

$\overline{K}^*(892)^0 \ell^+$ X
(10.58) Cronstrom 91 ang,mass

$K^*(892)^- \ell^+$ X
(10.58) Cronstrom 91 ang,mass

$K^*(892)^0 e^-$ X
(9.4 – 10.58) Bartelt 94 cs,mass,p,pt

$K^*(892)^0 e^+$ X
(9.4 – 10.58) Bartelt 94 cs,mass,p,pt

$\overline{K}^*(892)^0 e^-$ X
(9.4 – 10.58) Bartelt 94 cs,mass,p,pt

$\overline{K}^*(892)^0 e^+$ X
(9.4 – 10.58) Bartelt 94 cs,mass,p,pt

$K^*(892)^0 \mu^-$ X
(9.4 – 10.58) Bartelt 94 cs,mass,p,pt

$K^*(892)^0 \mu^+$ X
(9.4 – 10.58) Bartelt 94 cs,mass,p,pt

$\overline{K}^*(892)^0 \mu^-$ X
(9.4 – 10.58) Bartelt 94 cs,mass,p,pt

$\overline{K}^*(892)^0 \mu^+$ X
(9.4 – 10.58) Bartelt 94 cs,mass,p,pt

$\phi(1020) \ell^+$ X
(10.58) Cronstrom 91 mass,p

$\phi(1020) e^-$ X
(10.35 – 10.58) Albrecht 91B mass

$\phi(1020) e^+$ X
(10.6) Butler 94 mass

$\phi(1020) \mu^+$ X
(10.6) Butler 94 mass

$D^+ \ell^-$ X
(10.58) Albrecht 92E p

$D^0 \ell^-$ X
(10.58) Albrecht 92E p
(88.3 – 94.3) Buskulic 93D mass,p

$\overline{D}^0 \ell^+$ X
(88.3 – 94.3) Buskulic 93D mass,p

$D^*(2010)^+ \ell^\pm$ X
(91.2) Akers 93I col,p

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$e^+ e^-$

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

(10.58)	Albrecht 92E	p
	Schafer 91	cor
(88.3 – 94.3)	Buskulic 93D	mass,p
(91.2)	Buskulic 93I	ang,cor

$D^*(2010)^+ \ell^+ X$

(10.58)	Schafer 91	cor
(91.2)	Buskulic 93I	ang,cor

$D^*(2010)^- \ell^- X$

(91.2)	Buskulic 93I	ang,cor

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

(88.3 – 94.3)	Buskulic 93D	mass,p
(91.2)	Buskulic 93I	ang,cor

$D^*(2010)^+ e^- X$

(10.5)	Kroha 92B	mass,p

$D^*(2010)^- e^+ X$

(10.5)	Kroha 92B	mass,p

$D^*(2010)^+ \mu^- X$

(10.5)	Kroha 92B	mass,p

$D^*(2010)^- \mu^+ X$

(10.5)	Kroha 92B	mass,p

$\overline{B}^0 \ell^- X$

(10.58)	Schafer 91	cor

$\overline{B}^0 \ell^+ X$

(10.58)	Schafer 91	cor

$\Lambda \ell^- X$

(91.2)	Abreu 94J	ang,col,pt
	Akers 93B	cor,cs

$\Lambda \ell^+ X$

(91.2)	Abreu 94J	ang,col,pt
	Abreu 93C	mass,pt
	Akers 93B	cor,cs

$\overline{\Lambda} \ell^- X$

(91.2)	Abreu 94J	ang,col,pt
	Abreu 93C	mass,pt

$\overline{\Lambda} \ell^+ X$

(91.2)	Abreu 94J	ang,col,pt

$\Lambda e^+ X$

(10.56)	Crawford 95	ang,angp,mass
(10.58)	Bergfeld 94	ang,mass

$\overline{\Lambda} e^- X$

(10.56)	Crawford 95	ang,angp,mass

$\Lambda \mu^+ X$

(10.58)	Bergfeld 94	mass

$\Xi^- \ell^+ X$

(10.4)	Albrecht 92R	mass,p

$\Xi^0 e^+ X$

(10)	Alexander 94	angp,mass

$\Xi^- e^+ X$

(10)	Alexander 94	angp,mass

$\overline{\Xi}^+ e^- X$

(10)	Alexander 94	angp,mass

$\overline{\Xi}^0 e^- X$

(10)	Alexander 94	angp,mass

$\Lambda_c^+ \ell^- X$

(91.2)	Akers 93B	cs,mass

$\overline{\Lambda}_c^- \ell^+ X$

(91.2)	Akers 93B	cs,mass

2charged X

(35)	Podobrin 91	col,cor,pt
(91)	Deangelis 91C	ang,cor,pt

$e^+ e^-$

2charged$^+$ X

(58)	Choi 95	cor,mass,p,pt
(91)	Abreu 92G	ang,cor

charged$^+$ charged$^-$ X

(58)	Choi 95	cor,mass,p,pt
(91)	Abreu 92G	ang,cor

2charged$^-$ X

(58)	Choi 95	cor,mass,p,pt
(91)	Abreu 92G	ang,cor

2charged (neutrals)

(9.4 – 10.6)	Albrecht 91M	cs

(jets) jet X

(130.3 – 136.3)	Acciarri 95N	const,cs,mass,p

neutral (neutrals) jet

(91.2)	Buskulic 94I	cs,mass,pt

2jet X

(35)	Podobrin 91	col,cor,pt
(58)	Li 95	const,mass
(91.2)	Buskulic 95V	col
	Akers 94R	col

(jets) 2jet

(4 – 9)	Behrend 91	angp,col,pt

hadron (hadrons) X

(7.2 – 10.34)	Blinov 93	col,cs
(91.2)	Fero 94	asym,const

2hadron$^+$ X

(91)	Decamp 91P	cor

hadron$^+$ hadron$^-$ X

(91)	Decamp 91P	cor

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
(12 – 46)	Bethke 91	col
(14 – 46.5)	Kumita 92	const,cs
(29)	Bethke 91	col
	Vonzanthier 90	cs
(50 – 62)	Olsen 91	cs
(52 – 61.4)	Kumita 92	const,cs
(57.4 – 59.8)	Abe 93B	cs
(57.77)	Miyabayashi 95	cor,cs
(57.9)	Lee 93B	col,p
(58)	Li 95	col
	Li 93	col,const,cor
	Li 93B	col
	Tsuboyama 92	col,const,cs
	Maki 91	cs
(88.2 – 94.2)	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
(88.2 – 94.3)	Adriani 93J	asym,const,cs
	Buskulic 93	angp,const,cs
(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
(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

$e^+ e^-$

2hadron (hadrons)

(91)	Bethke 91	col,const,cs
(91 – 91.5)	Buskulic 95G	col
	Decamp 90	col
	Decamp 90N	col,const,cor
(91.2)	Acciarri 95E	ang,col,p
	Akers 95C	col,const,cor,p
	Akers 93F	cs
	Blondel 93	angp,const,cs
	Blondel 93B	cs
	Acton 92H	const,cs
	Adeva 92D	col
	Adriani 92	col,const,cor,mass
	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
(91.26)	Abe 94C	asym,const,cs
(91.27 – 91.28)	Buskulic 94E	cs
(91.28)	Abreu 94G	cs
(91.2)	Akers 93D	angp,const,cs
(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
(92.1)	Bethke 91B	const,cs
	Fabbri 91	const,cs

charged-hadron (charged-hadrons) X

(91.2)	Baranko 94	asym,col,const,p

2charged-hadron X

(88.3 – 94.3)	Acton 92G	cor,p
(91.2)	Boyle 91	ang,const,cor

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

longlived$^+$ longlived$^-$ X

(52 – 61.4)	Adachi 91	cs

γ neutral (neutrals)

(57.8)	Sugimoto 95	angp,cs,p,pt

γ charged X

(10.46 – 10.59)	Lesiak 91	angp

γ (jets) jet

(88.28 – 94.28)	Alexander 91D	mass

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

2γ X

(9.39 – 10.52)	Bieler 90	mass
(10.6)	Artuso 92	mass

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

$e^+ e^-$

Reaction	Momentum	Reference	Descriptor
$D^- \pi^0$ X	(10)	Albrecht 94N	mass
$D^0 \eta$ X	(10.58)	Alam 94C	cs,mass
$D \rho^-$ X	(10.58)	Athanas 94	mass
$D^+ \rho^-$ X	(10.58)	Alam 94C	cs,mass
$D^0 \rho^0$ X	(10.58)	Alam 94C	cs,mass
$D^0 \rho^-$ X	(10.58)	Alam 94C	cs,mass
$D^0 \omega$ X	(10.58)	Alam 94C	cs,mass
$D^0 \eta'$ X	(10.58)	Alam 94C	cs,mass
$D\ a_1(1260)^-$ X	(10.58)	Athanas 94	mass
$D^0 K^+$ X	(10 – 10.6)	Albrecht 95D	mass,p
	(10.35 – 10.58)	Kubota 94	mass
$\overline{D}^0 K^-$ X	(10 – 10.6)	Albrecht 95D	mass,p
$D^*(2010)^+$ jet X	(91.2)	Abreu 94K	col,cor
$D^*(2010)^-$ jet X	(91.2)	Abreu 94K	col,cor
$D^*(2010)\ \pi^-$ X	(10.58)	Athanas 94	mass
$D^*(2010)^+ \pi^-$ X	(10.58)	Avery 94	mass
$D^*(2010)^0 \pi^+$ X	(10.58)	Bergfeld 94B	amp,angp,mass,p
$D^*(2010)^0 \pi^0$ X	(10.58)	Alam 94C	cs,mass
$D^*(2010)^0 \pi^-$ X	(10.58)	Alam 94C	cs,mass
$\overline{D}^*(2010)^0 \pi^-$ X	(10.58)	Bergfeld 94B	amp,angp,mass,p
$D^*(2010)^0 \eta$ X	(10.58)	Alam 94C	cs,mass
$D^*(2010)\ \rho^-$ X	(10.58)	Athanas 94	mass
$D^*(2010)^+ \rho^-$ X	(10.58)	Alam 94C	mass,pol
$D^*(2010)^0 \rho^0$ X	(10.58)	Alam 94C	cs,mass
$D^*(2010)^0 \rho^-$ X	(10.58)	Alam 94C	cs,mass
$D^*(2010)^0 \omega$ X	(10.58)	Alam 94C	cs,mass
$D^*(2010)^0 \eta'$ X	(10.58)	Alam 94C	cs,mass
$D^*(2010)\ a_1(1260)^-$ X	(10.58)	Athanas 94	mass
$D^*(2010)^+ K^+$ X	(10.58)	Albrecht 95H	p
$D^*(2010)^0 K^+$ X	(10.4)	Albrecht 92N	mass
$D^*(2010)^+ K^-$ X	(10.58)	Albrecht 95H	p

$e^+ e^-$

Reaction	Momentum	Reference	Descriptor
$D^*(2010)^- K^+$ X	(10.58)	Albrecht 95H	p
		Cronstrom 91	ang
$D^*(2010)^- K^-$ X	(10.58)	Albrecht 95H	p
		Cronstrom 91	ang
$D^*(2010)^- K_S$ X	(10.58)	Cronstrom 91	ang
$D^*(2010)^+$ charm$^-$ X	(10)	Albrecht 91K	cs
$D_s^+ \gamma$ X	(10.6)	Brown 94	mass
		Acosta 93	ang,mass,p,pt
$D_s^+ \pi^0$ X	(10.6)	Albrecht 93B	mass
		Besson 93B	mass
$D_s^+ \pi^-$ X	(10.6)	Albrecht 93B	mass
		Besson 93B	mass
$D_s^+ \rho^0$ X	(10.6)	Albrecht 93B	mass
		Besson 93B	mass
$D_s^+ \rho^-$ X	(10.6)	Albrecht 93B	mass
		Besson 93B	mass
$D_s^+ \omega$ X	(10.6)	Albrecht 93B	mass
		Besson 93B	mass
$D_s^+ a_1(1260)^0$ X	(10.6)	Albrecht 93B	mass
		Besson 93B	mass
$D_s^+ a_1(1260)^-$ X	(10.6)	Albrecht 93B	mass
		Besson 93B	mass
$D_s^- K^+$ X	(10.6)	Albrecht 93B	mass
		Besson 93B	mass
$D_s^+ K_S$ X	(10.6)	Albrecht 93B	mass
		Besson 93B	mass
$D_s^- K^*(892)^+$ X	(10.6)	Albrecht 93B	mass
		Besson 93B	mass
$D_s^+ \overline{K}^*(892)^0$ X	(10.6)	Albrecht 93B	mass
		Besson 93B	mass
$D_s^+ \phi(1020)$ X	(10.6)	Albrecht 93B	mass
		Besson 93B	mass
$D_s^* \overline{D}^*(2010)$ X	(10.58)	Albrecht 91J	mass
$D_1(2420)^0 \pi^-$ X	(10.58)	Alam 94C	cs,mass
$D_1(2420)^0 \rho^-$ X	(10.58)	Alam 94C	cs,mass
$D_2^*(2460)^0 \pi^-$ X	(10.58)	Alam 94C	cs,mass
$D_2^*(2460)^0 \rho^-$ X	(10.58)	Alam 94C	cs,mass
$J/\psi(1S)\ \gamma$ X	(10.58)	Albrecht 91D	mass
	(88.2 – 94.2)	Abreu 94M	mass
$K\ J/\psi(1S)$ X	(10.58)	Athanas 94	mass
$K^0\ J/\psi(1S)$ X	(10.58)	Alam 94C	cs,mass

$e^+ e^-$

Reaction	Momentum	Reference	Descriptor
$K^-\ J/\psi(1S)$ X	(10.58)	Alam 94C	cs,mass
$K^*(892)\ J/\psi(1S)$ X	(10.58)	Athanas 94	mass
$K^*(892)^+\ J/\psi(1S)$ X	(10.6)	Albrecht 94P	ang,angp,mass
$K^*(892)^0\ J/\psi(1S)$ X	(10.58)	Alam 94C	cs,mass
	(10.6)	Albrecht 94P	ang,angp,mass
$\overline{K}^*(892)^0\ J/\psi(1S)$ X	(10.6)	Albrecht 94P	ang,angp,mass
$K^*(892)^-\ J/\psi(1S)$ X	(10.58)	Alam 94C	cs,mass
	(10.6)	Albrecht 94P	ang,angp,mass
$K^\pm\ \chi_{c1}(1P)$ X	(10.58)	Albrecht 91D	cs
$K^0\ \chi_{c1}(1P)$ X	(10.58)	Alam 94C	cs,mass
$K^-\ \chi_{c1}(1P)$ X	(10.58)	Alam 94C	cs,mass
$K^*(892)^0\ \chi_{c1}(1P)$ X	(10.58)	Alam 94C	cs,mass
$K^*(892)^-\ \chi_{c1}(1P)$ X	(10.58)	Alam 94C	cs,mass
$K^0\ \psi(2S)$ X	(10.58)	Alam 94C	cs,mass
$K^-\ \psi(2S)$ X	(10.58)	Alam 94C	cs,mass
$K^*(892)^0\ \psi(2S)$ X	(10.58)	Alam 94C	cs,mass
$K^*(892)^-\ \psi(2S)$ X	(10.58)	Alam 94C	cs,mass
bottom $\overline{\text{bottom}}$ X	(91.2)	Abe 94U	asym,const,pol
		Abe 94V	asym,const,pol
B charged X + $\overline{B}$ charged X	(91.2)	Abreu 95Q	mult,p
$B^\pm \gamma$ X	(91.2)	Akers 94R	cor,mass
$B \pi^+$ X	(91.2)	Abreu 95R	cs,mass
$B \pi^0$ X	(91.2)	Adam 95	p
$B \pi^-$ X	(91.2)	Abreu 95R	cs,mass
$B^+ \pi^+$ X	(91.2)	Akers 94R	cor,mass
$B^+ \pi^-$ X	(91.2)	Akers 94R	cor,mass
$B^0 \pi^\pm$ X	(91.2)	Akers 94R	cor,mass
$\overline{B} \pi^+$ X	(91.2)	Abreu 95R	cs,mass
$\overline{B} \pi^0$ X	(91.2)	Adam 95	p
$\overline{B} \pi^-$ X	(91.2)	Abreu 95R	cs,mass
$\overline{B}^0 \pi^\pm$ X	(91.2)	Akers 94R	cor,mass
$B^- \pi^+$ X	(91.2)	Akers 94R	cor,mass

$e^+ e^-$

$B^- \pi^-$ X		
(91.2)	Akers 94R	cor,mass
$K^\pm B$ X + $K^\pm \overline{B}$ X		
(91.2)	Abreu 95Q	mult,p
$K_S B$ X + $K_S \overline{B}$ X		
(91.2)	Abreu 95Q	mult,p
$2B^0$ X		
(88.2 – 94.2)	Akers 94G	cs
(91.2)	Buskulic 93I	cs
$B^0 \overline{B}^0$ X		
(88.2 – 94.2)	Akers 94G	cs
(91.2)	Abreu 94K	cs
	Buskulic 93I	cs
$2\overline{B}^0$ X		
(88.2 – 94.2)	Akers 94G	cs
(91.2)	Buskulic 93I	cs
$\pi^+ B^*$ X		
(91.2)	Abreu 95R	cs,mass
$\pi^- B^*$ X		
(91.2)	Abreu 95R	cs,mass
$\pi^+ \overline{B}^*$ X		
(91.2)	Abreu 95R	cs,mass
$\pi^- \overline{B}^*$ X		
(91.2)	Abreu 95R	cs,mass
$B_s \overline{B}_s$ X		
(91.2)	Buskulic 95U	–
$p \pi^-$ X		
(7.2 – 10)	Blinov 94	mass
(10.5 – 10.58)	Crawford 91B	mass,p
(91.2)	Abreu 93K	mass
$p \overline{K}^0$ X		
(10.55)	Avery 90B	mass
$p K_S$ X		
(10.5)	Crawford 93	mass
$p \phi(1020)$ X		
(10.52 – 10.58)	Alexander 95	cs,mass
$p B$ X + $p \overline{B}$ X		
(91.2)	Abreu 95Q	mult,p
$\overline{p} B$ X + $\overline{p} \overline{B}$ X		
(91.2)	Abreu 95Q	mult,p
$2p$ X + $2\overline{p}$ X		
(10)	Albrecht 90B	ang,p
$p \overline{p}$ X		
(91)	Abreu 95E	mass
(91.2)	Deangelis 93	ang,col,p
$\Lambda \pi^+$ X		
(10.3 – 10.58)	Procario 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
$\Lambda \pi^-$ X		
(9.46)	Blinov 94	mass
(91.2)	Abreu 95C	mass,p
$\overline{\Lambda} \pi^+$ X		
(91.2)	Abreu 95C	mass,p
$\overline{\Lambda} \pi^-$ X		
(10.52 – 10.58)	Bishai 95	ang,angp,mass,p
(91.2)	Abreu 95C	mass,p
ΛK_S X		
(10.4)	Albrecht 94S	cs,mass,p
(91.2)	Buskulic 94M	ang,cor,mult,p
$\overline{\Lambda} K_S$ X		
(10.4)	Albrecht 94S	cs,mass,p
(91.2)	Buskulic 94M	ang,cor,mult,p
ΛB X + $\Lambda \overline{B}$ X		
(91.2)	Abreu 95Q	mult,p

$e^+ e^-$

$\overline{\Lambda} B$ X + $\overline{\Lambda} \overline{B}$ X		
(91.2)	Abreu 95Q	mult,p
2Λ X + $2\overline{\Lambda}$ X		
(10)	Albrecht 90B	ang,p
(29)	Geld 92	mult
	Ronan 91	cor,p
2Λ X		
(91.2)	Buskulic 94M	ang,cor,mult,p
	Acton 92T	cor,p
$\Lambda \overline{\Lambda}$ X		
(29)	Geld 92	mult
	Oyang 91	cor,p
	Ronan 91	cor,p
(91.2)	Buskulic 94M	ang,cor,mult,p
	Abreu 93K	cor,mult,p
	Deangelis 93	ang,col,p
	Acton 92T	cor,p
$2\overline{\Lambda}$ X		
(91.2)	Buskulic 94M	ang,cor,mult,p
	Acton 92T	cor,p
$\Sigma^+ \pi^0$ X		
(10.52 – 10.58)	Bishai 95	ang,angp,mass,p
(10.6)	Kubota 93	mass
$\Sigma^0 \pi^+$ X		
(10.3 – 10.58)	Procario 91	mass
$\overline{\Sigma}^- \pi^0$ X		
(10.52 – 10.58)	Bishai 95	ang,angp,mass,p
$\Sigma^+ \eta$ X		
(10.56)	Ammar 95	mass,p
$\overline{\Sigma}^- \eta$ X		
(10.56)	Ammar 95	mass,p
$\Sigma^+ \rho^0$ X		
(10.6)	Kubota 93	mass
$\Sigma^+ \omega$ X		
(10.6)	Kubota 93	mass
$\Sigma^+ \phi(1020)$ X		
(10.35 – 10.6)	Avery 93	mass
$\Sigma(1385\,P_{13})^+ \eta$ X		
(10.56)	Ammar 95	mass,p
$\overline{\Sigma}(1385\,P_{13})^- \eta$ X		
(10.56)	Ammar 95	mass,p
$\Xi^0 \pi^+$ X		
(10.6)	Edwards 95B	mass
$\Xi^- \pi^+$ X		
(10)	Alexander 94	angp,mass
(10.58 – 10.86)	Procario 91	mass
(10.58 – 10.87)	Henderson 91B	mass
(91.2)	Abreu 95C	mass,p
$\overline{\Xi}^+ \pi^-$ X		
(10)	Alexander 94	angp,mass
$\overline{\Xi}^0 \pi^-$ X		
(10.6)	Edwards 95B	mass
$\Xi^0 K^+$ X		
(10.35 – 10.6)	Avery 93	mass
$\overline{\Lambda} \Xi^-$ X		
(29)	Oyang 91	cor,p
(91.2)	Acton 92T	cor,p
$\Lambda \overline{\Xi}^+$ X + $\overline{\Lambda} \Xi^-$ X		
(91.2)	Abreu 95C	cor,mult
$\Lambda \overline{\Xi}^+$ X		
(91.2)	Acton 92T	cor,p
$\Xi^- \overline{\Xi}^+$ X		
(91.2)	Acton 92T	cor,p

$e^+ e^-$

$\Xi(1530\,P_{13})^0 K^+$ X		
(10.35 – 10.6)	Avery 93	mass
(10.4)	Albrecht 94S	cs,mass,p
$\overline{\Xi}(1530\,P_{13})^0 K^-$ X		
(10.4)	Albrecht 94S	cs,mass,p
$\Omega^- K^+$ X		
(10.58 – 10.86)	Procario 91	mass
(10.58 – 10.87)	Henderson 91B	mass
$\Lambda_c^+ \pi^+$ X		
(10.5)	Crawford 93	mass
(10.58)	Albrecht 93F	mass
	Procario 93	mass
$\Lambda_c^+ \pi^0$ X		
(10.5)	Crawford 93	mass
(10.58)	Procario 93	mass
$\Lambda_c^+ \pi^-$ X		
(10.5)	Crawford 93	mass
(10.58)	Albrecht 93F	mass
	Procario 93	mass
$\Sigma_c(2455)^{++} \pi^-$ X		
(10.58)	Albrecht 93F	mass
$\Sigma_c(2455)^0 \pi^+$ X		
(10.58)	Albrecht 93F	mass
$\Xi_c(2460)^+ \pi^-$ X		
(10.5 – 10.7)	Avery 95	mass
$\ell^+ \ell^-$ mult[charged] (neutrals)		
(91.2)	Akers 94N	col,cs,pt
$e^\pm$ hadron (hadrons) X		
(88.2 – 94.2)	Acciarri 94D	angp,col,p,pt
e^- 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
e^+ hadron (hadrons) X		
(88.2 – 94.2)	Acciarri 94D	angp,col,p,pt
$e^- e^+$ neutral (neutrals)		
(91.2)	Buskulic 94I	cs,mass,pt
$e^- e^+$ jet X		
(58)	Tauchi 94	p,pt
	Finch 93	pt
	Hayashii 93	cs,p,pt
	Sakuda 93	p,pt
	Tauchi 93	cs,pt
(60)	Kim 93B	p,pt
	Kim 93C	p,pt
(91.2)	Finch 93	col,pt
$e^- e^+$ 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
$e^- e^+$ charged-hadron X		
(29)	Cords 93	angp,mass,pt
$e^- e^+ e^\pm$ X		
(58)	Abe 93ZF	p,pt
	Uehara 93	ang,col
$2e^- e^+$ X		
(9.4 – 10.58)	Bartelt 94	cs,mass,p,pt
$e^- 2e^+$ X		
(9.4 – 10.58)	Bartelt 94	cs,mass,p,pt
$e^- \nu_\tau \overline{\nu}_e$ X + $e^+ \overline{\nu}_\tau \nu_e$ X		
(91)	Abreu 95F	cs

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$e^+ e^-$

$e^- \nu_\tau \overline{\nu}_e X$		
(91.2)	Abreu 95T	angp,const,cor
$e^+ \overline{\nu}_\tau \nu_e X$		
(91.2)	Abreu 95T	angp,const,cor
$\mu^\pm$ 2charged (neutrals)		
(10.58)	Battle 92	col
$\mu^\pm$ hadron (hadrons) X		
(88.2 – 94.2)	Acciarri 94D	angp,col,p,pt
μ^- hadron (hadrons) X		
(10)	Korolko 95	cor,p
(88.2 – 94.2)	Acciarri 94D	angp,col,p,pt
μ^+ hadron (hadrons) X		
(10)	Korolko 95	cor,p
(88.2 – 94.2)	Acciarri 94D	angp,col,p,pt
$\mu^- e^- e^+ X$		
(9.4 – 10.58)	Bartelt 94	cs,mass,p,pt
$\mu^- 2e^+ X$		
(9.4 – 10.58)	Bartelt 94	cs,mass,p,pt
$\mu^+ 2e^- X$		
(9.4 – 10.58)	Bartelt 94	cs,mass,p,pt
$\mu^+ e^- e^+ X$		
(9.4 – 10.58)	Bartelt 94	cs,mass,p,pt
$\mu^+ \nu_\mu \gamma X$		
(10.6)	Muheim 93	mass,p
$2\mu^- e^+ X$		
(9.4 – 10.58)	Bartelt 94	cs,mass,p,pt
$\mu^- \mu^+ e^- X$		
(9.4 – 10.58)	Bartelt 94	cs,mass,p,pt
$\mu^- \mu^+ e^+ X$		
(9.4 – 10.58)	Bartelt 94	cs,mass,p,pt
$2\mu^+ e^- X$		
(9.4 – 10.58)	Bartelt 94	cs,mass,p,pt
$2\mu^- \mu^+ X$		
(9.4 – 10.58)	Bartelt 94	cs,mass,p,pt
$\mu^- 2\mu^+ X$		
(9.4 – 10.58)	Bartelt 94	cs,mass,p,pt
$\mu^- \nu_\tau \overline{\nu}_\mu X + \mu^+ \overline{\nu}_\tau \nu_\mu X$		
(91)	Abreu 95F	cs
$\mu^+ \overline{\nu}_\tau \nu_\mu X$		
(91.2)	Abreu 95T	angp,const,cor
$\pi^+ \ell^- \overline{\nu} X + \pi^- \ell^+ \nu X$		
(10.58)	Gibbons 95B	mass
$\pi^0 e^\pm$ charged-hadron (neutrals)		
(10.6)	Procario 92	mass
$\pi^0 \pi^\pm \ell X$		
(10.52 – 10.58)	Bean 92B	mass
$\pi^+ \pi^- \ell X$		
(10.52 – 10.58)	Bean 92B	mass
$2\pi^+ e^- X$		
(9.4 – 10.58)	Bartelt 94	cs,mass,p,pt
$\pi^+ \pi^- e^- X$		
(9.4 – 10.58)	Bartelt 94	cs,mass,p,pt
$2\pi^0 e^+ X$		
(10.6)	Alam 93	mass,p
$\pi^+ \pi^- e^+ X$		
(9.4 – 10.58)	Bartelt 94	cs,mass,p,pt
$2\pi^- e^+ X$		
(9.4 – 10.58)	Bartelt 94	cs,mass,p,pt
$2\pi^+ \mu^- X$		
(9.4 – 10.58)	Bartelt 94	cs,mass,p,pt

$e^+ e^-$

$\pi^+ \pi^- \mu^- X$		
(9.4 – 10.58)	Bartelt 94	cs,mass,p,pt
$2\pi^0 \mu^+ X$		
(10.6)	Alam 93	mass,p
$\pi^+ \pi^- \mu^+ X$		
(9.4 – 10.58)	Bartelt 94	cs,mass,p,pt
$2\pi^- \mu^+ X$		
(9.4 – 10.58)	Bartelt 94	cs,mass,p,pt
$\rho^+ \ell^- \overline{\nu} X + \rho^- \ell^+ \nu X$		
(10.58)	Gibbons 95B	mass
$K^0 e^- e^+ X$		
(29)	Cords 93	angp,mass,pt
$K_S e^- e^+ X$		
(58)	Enomoto 94B	cs,pt
$K^+ \pi^+ e^- X$		
(9.4 – 10.58)	Bartelt 94	cs,mass,p,pt
$K^+ \pi^- e^- X$		
(9.4 – 10.58)	Bartelt 94	cs,mass,p,pt
(10.35 – 10.58)	Albrecht 91B	mass
$K^+ \pi^- e^+ X$		
(9.4 – 10.58)	Bartelt 94	cs,mass,p,pt
$K^- \pi^+ e^- X$		
(9.4 – 10.58)	Bartelt 94	cs,mass,p,pt
$K^- \pi^+ e^+ X$		
(9.4 – 10.58)	Bartelt 94	cs,mass,p,pt
$K^- \pi^- e^+ X$		
(9.4 – 10.58)	Bartelt 94	cs,mass,p,pt
$K_S \pi^0 e^+ X$		
(10.6)	Alam 93	mass,p
$K^+ \pi^+ \mu^- X$		
(9.4 – 10.58)	Bartelt 94	cs,mass,p,pt
$K^+ \pi^- \mu^- X$		
(9.4 – 10.58)	Bartelt 94	cs,mass,p,pt
$K^+ \pi^- \mu^+ X$		
(9.4 – 10.58)	Bartelt 94	cs,mass,p,pt
$K^- \pi^+ \mu^- X$		
(9.4 – 10.58)	Bartelt 94	cs,mass,p,pt
$K^- \pi^+ \mu^+ X$		
(9.4 – 10.58)	Bartelt 94	cs,mass,p,pt
$K^- \pi^- \mu^+ X$		
(9.4 – 10.58)	Bartelt 94	cs,mass,p,pt
$K_S \pi^0 \mu^+ X$		
(10.6)	Alam 93	mass,p
$K^+ K^- e^\pm X$		
(10.58)	Cronstrom 91	mass
$K^+ K^- e^- X$		
(10.35 – 10.58)	Albrecht 91B	mass
(10.6)	Avery 94B	amp,mass,p
$K^+ K^- e^+ X$		
(10.6)	Avery 94B	amp,mass,p
	Butler 94	mass
$K^+ K^- \mu^\pm X$		
(10.58)	Cronstrom 91	mass
$K^+ K^- \mu^+ X$		
(10.6)	Butler 94	mass
$e^- e^+$ charm X		
(58)	Aso 95B	cs
$e^- e^+ \overline{\text{charm}}$ X		
(58)	Aso 95B	cs
$D^0 \pi^+ e^- X$		
(10.5)	Kroha 92B	mass,p
$\overline{D}^0 \pi^- e^+ X$		
(10.5)	Kroha 92B	mass,p
$D^0 \pi^+ \mu^- X$		
(10.5)	Kroha 92B	mass,p

$e^+ e^-$

$\overline{D}^0 \pi^- \mu^+ X$		
(10.5)	Kroha 92B	mass,p
$D^*(2010)^+ e^- \overline{\nu}_e X$		
(10)	Albrecht 91K	cs
$D^*(2010)^0 e^- \overline{\nu}_e X$		
(10.58)	Albrecht 92B	mass,p
$D^*(2010)^\pm e^- e^+ X$		
(58.1)	Enomoto 94	pt
$D^*(2010) e^- e^+ X$		
(57.16)	Enomoto 93	cs,pt
$D^*(2010)^+ e^- e^+ X$		
(58)	Aso 95	cs,pt
	Sakuda 93	pt
(90)	Buskulic 95C	cs
$D^*(2010)^- e^- e^+ X$		
(58)	Aso 95	cs,pt
	Sakuda 93	pt
(90)	Buskulic 95C	cs
$D^*(2010)^+ \mu^- \overline{\nu}_\mu X$		
(10)	Albrecht 91K	cs
$D^*(2010)^0 \mu^- \overline{\nu}_\mu X$		
(10.58)	Albrecht 92B	mass,p
$D^*(2010)^+ K^+ e^- X$		
(10.58)	Albrecht 95H	p
$D^*(2010)^+ K^- e^- X$		
(10.58)	Albrecht 95H	p
$D^*(2010)^- K^+ e^+ X$		
(10.58)	Albrecht 95H	p
$D^*(2010)^- K^- e^+ X$		
(10.58)	Albrecht 95H	p
$D^*(2010)^+ K^+ \mu^- X$		
(10.58)	Albrecht 95H	p
$D^*(2010)^+ K^- \mu^- X$		
(10.58)	Albrecht 95H	p
$D^*(2010)^- K^+ \mu^+ X$		
(10.58)	Albrecht 95H	p
$D^*(2010)^- K^- \mu^+ X$		
(10.58)	Albrecht 95H	p
$p \pi^- e^+ X$		
(10.4)	Albrecht 94F	ang,mass,p
	Albrecht 91F	mass,p
(10.58)	Bergfeld 94	mass
$p \pi^- \mu^- X + p \pi^- e^- X$		
(91.2)	Deangelis 93	mass
$p \pi^- \mu^+ X$		
(10.4)	Albrecht 94F	ang,mass,p
	Albrecht 91F	mass,p
(10.58)	Bergfeld 94	mass
$p \pi^- \mu^+ X + p \pi^- e^+ X$		
(91.2)	Deangelis 93	mass
$\Lambda e^- e^+ X$		
(58)	Enomoto 94C	angp,cs,pt
$\overline{\Lambda} e^- e^+ X$		
(58)	Enomoto 94C	angp,cs,pt
$\Lambda \pi^0 e^+ X$		
(10)	Alexander 94	angp,mass
$\Lambda \pi^- e^+ X$		
(10)	Alexander 94	angp,mass
(10.4)	Albrecht 92R	mass,p
$\overline{\Lambda} \pi^+ e^- X$		
(10)	Alexander 94	angp,mass

$e^+ e^-$

$\overline{\Lambda}\,\pi^0\,e^-$ X
(10) Alexander 94 angp,mass

$\Lambda\,\pi^-\,\mu^+$ X
(10.4) Albrecht 92R mass,p

charged neutral (neutrals) X
(91.2) Biasini 95 cor,p

2charged (neutrals) X
(10.6) Battle 94 mass

2charged (chargeds) X
(58) Kanda 95 ang,cor,p,pt
(91.2) Buskulic 95M mult,p

2charged neutral (neutrals)
(91.2) Andreazza 95 cor,p
Ferrante 95 cor,p

charged$^+$ charged$^-$ neutral (neutrals)
(91.2) Buskulic 94I cs,mass,pt

3charged$^+$ X
(91.2) Abreu 95I ang,cor,p

2charged$^+$ charged$^-$ X
(91.2) Abreu 95I ang,cor,p

charged$^+$ 2charged$^-$ X
(91.2) Abreu 95I ang,cor,p

3charged$^-$ X
(91.2) Abreu 95I ang,cor,p

3jet X
(58) Suzuki 93C ang,p
(91.2) Akers 94Q ang,mass

3jet < hadron (hadrons) > X
(91.2) Acciarri 95E mult,p

(jets) 3jet
(91.2) Abe 94ZB const,cs,p
Burrows 93 const,p
Adriani 92C mass

(γ's) 2hadron (hadrons)
(130.3 – 140.2) Acciarri 95K angp,cs

hadron$^+$ hadron$^-$ neutral (neutrals)
(91.2) Acciarri 95 col,mass

γ 2neutral (neutrals)
(58) Hosoda 94 cs

γ 2jet X
(58) Suzuki 93C ang,p

γ 2jet < hadron (hadrons) > X
(91.2) Acciarri 95E mult,p

γ 2hadron (hadrons)
(91.2) Adriani 93G mass,p

3γ (neutrals)
(88 – 94) Dittmar 92 cs

H^0 2hadron (hadrons)
(88.28 – 95.04) Decamp 91 angp,et,mass

$q\,\overline{q}$ (gluons) gluon
(91.2) Adriani 92C p

$\pi^+\,\pi^-$ neutral (neutrals)
(91.2) Acciarri 95 col,mass

3π^+ X + 3π^- X
(9.3 – 10.5) Herrera 91 col,pt

$\pi^+\,2\pi^0$ X
(10.6) Selen 93 mass

$3\pi^0$ X
(10.6) Artuso 92 mass

$2\pi^+\,\pi^-$ X
(10.6) Selen 93 mass

$2\pi^+\,\pi^-$ X + $\pi^+\,2\pi^-$ X
(9.3 – 10.5) Herrera 91 col,pt
(10.58) Albrecht 94I mass,p

$e^+ e^-$

$\pi^+\,\pi^0\,\pi^-$ X
(9.46) Albrecht 94G mass
(10.5) Kroha 93 mass,p
(10.6) Artuso 92 mass

$\pi^+\,2\pi^-$ X
(29) Bauer 93B angp,mass,p

η 2charged (neutrals)
(10.6) Artuso 92 –

$\eta\,\pi^+\,\pi^0$ X
(10.35 – 10.6) Avery 92 ang,mass
(10.36 – 10.58) Daoudi 91 mass

$\eta\,\pi^0\,\pi^-$ X
(10.6) Artuso 92 mass

$\eta'\,\pi^+\,\pi^0$ X
(10.35 – 10.6) Avery 92 ang,mass
(10.36 – 10.58) Daoudi 91 mass

K^+ hadron (hadrons) X
(91.2) Abreu 94O p,pt

K^- hadron (hadrons) X
(91.2) Abreu 94O p,pt

$K^\pm\,2\gamma$ X
(10.6) Battle 94 mass

$K^+\,\pi^-$ neutral (neutrals)
(91.2) Acciarri 95 col,mass

$K^-\,\pi^+$ neutral (neutrals)
(91.2) Acciarri 95 col,mass

kaon $\pi\,\gamma$ X
(10.58) Alam 94B mass,p

$K^+\,\pi^-\,\gamma$ X
(10.6) Ali 93 mass
Ammar 93 mass

$K^-\,\pi^+\,\gamma$ X
(10.6) Brown 94 mass

$K^-\,\pi^0\,\gamma$ X
(10.6) Ali 93 mass
Ammar 93 mass

$K_S\,\pi\,\gamma$ X
(10.58) Alam 94B mass,p

$K_S\,\pi^-\,\gamma$ X
(10.6) Ali 93 mass
Ammar 93 mass

$K^\pm\,2\pi^0$ X
(10.6) Battle 94 mass

$K^+\,\pi^+\,\pi^-$ X
(3.77) Labs 92 mass,p
(10) Albrecht 92O mass
(10.58) Cinabro 93B mass

$K^+\,2\pi^-$ X
(10) Albrecht 94N mass
Albrecht 92O mass
(10.58) Bergfeld 94B angp,mass,p
(29) Bauer 93B angp,mass,p
(57.96) Nakano 93 mass
(88.3 – 94.3) Buskulic 93P mass,p

$\overline{K}^0\,\pi^+\,\pi^0$ X
(9.46 – 10.58) Albrecht 92G mass

nonres < $\overline{K}^0\,2\pi^0$ > X
(10.36 – 10.7) Procario 92B mass

$\overline{K}^0\,2\pi^0$ X
(10.36 – 10.7) Procario 92B mass

$\overline{K}^0\,\pi^+\,\pi^-$ X
(10.36 – 10.7) Procario 92B mass

$K^-\,2\pi^+$ X
(9.46 – 10.58) Albrecht 92G mass
(10) Albrecht 94N mass
(10.52 – 10.7) Balest 94 mass

$e^+ e^-$

$K^-\,2\pi^+$ X
(10.58) Alam 94C cs,mass
Bergfeld 94B angp,mass,p
Cinabro 93B mass
(10.58 – 10.87) Kinoshita 90 mass
(57.96) Nakano 93 mass
(88.3 – 94.3) Buskulic 93P mass,p
(88.4 – 93.8) Akers 93E mass

$K^-\,\pi^+\,\pi^0$ X
(10.36 – 10.7) Procario 92B mass
(10.58) Alam 94C cs,mass
Avery 94 mass

$K^-\,\pi^+\,\pi^-$ X
(3.77) Labs 92 mass,p
(29) Bauer 93B angp,mass,p

$K_S\,\pi^+\,\pi^0$ X
(3.77) Labs 92 mass,p

$K_S\,\pi^+\,\pi^-$ X
(10.4) Albrecht 94L angp,mass,p
Litvintsev 94 mass

$K_S\,\pi^0\,\pi^-$ X
(3.77) Labs 92 mass,p

$\overline{K}^0\,\omega\,\pi^+$ X
(9.46 – 10.58) Albrecht 92G mass

$\overline{K}^0\,\eta'\,\pi^+$ X
(9.46 – 10.58) Albrecht 92G mass

$K^-\,\eta'\,\pi^+$ X
(10.36 – 10.7) Procario 92B mass

$K^+\,K^-\,\pi^+$ X
(10.35 – 10.58) Kubota 94 mass
(10.6) Butler 94 mass

$K^+\,K^-\,\pi^0$ X
(9.4 – 10.6) Albrecht 94J cs,mass

$K^+\,K^-\,\pi^-$ X
(29) Bauer 93B angp,mass,p

$2K^-\,\pi^+$ X
(29) Bauer 93B angp,mass,p

$K^+\,2K_S$ X
(9.4 – 10.6) Albrecht 94J cs,mass

$\overline{K}^*(892)^0\,\omega\,\pi^+$ X
(9.46 – 10.58) Albrecht 92G mass

$K^*(892)^+\,K^-\,\pi^+$ X
(10.3 – 10.58) Albrecht 91P mass

$K^*(892)^0\,K^-\,\pi^+$ X
(9.4 – 10.6) Albrecht 94J cs,mass

$\overline{K}^*(892)^0\,K^+\,\pi^-$ X
(9.4 – 10.6) Albrecht 94J cs,mass

$\overline{K}^*(892)^0\,K^0\,\pi^+$ X
(10.3 – 10.58) Albrecht 91P mass

$\phi(1020)\,\pi^+\,\gamma$ X
(10.6) Brown 94 mass

$\phi(1020)\,\pi^+\,\pi^0$ X
(10.35 – 10.6) Avery 92 ang,mass
(10.36 – 10.58) Daoudi 91 mass

$\phi(1020)\,\pi^+\,\pi^-$ X
(9.4 – 10.6) Albrecht 94J cs,mass

$D^+\,2\pi^-$ X
(10.58) Alam 94C cs,mass

$D^0\,\pi^+\,\pi^0$ X
(10.58) Bergfeld 94B angp,mass,p

$D^0\,\pi^+\,\pi^-$ X
(10.58) Alam 94C cs,mass

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$e^+ e^-$

$\overline{D}^0 \pi^0 \pi^- X$
(10.58) Bergfeld 94B angp,mass,p

$D^0 K^+ \gamma X$
(10.4) Albrecht 92N mass

$D^0 K^+ \pi^0 X$
(10.4) Albrecht 92N mass

$D^*(2010)^+ 2\pi^- X$
(10.58) Alam 94C cs,mass

$D_s^- K^+ \pi^+ X$
(10.6) Albrecht 93B mass
Besson 93B mass

$D_s^- K_S \pi^+ X$
(10.6) Albrecht 93B mass
Besson 93B mass

$D_s^- K^*(892)^+ \pi^+ X$
(10.6) Albrecht 93B mass
Besson 93B mass

$D_s^- K^*(892)^0 \pi^+ X$
(10.6) Albrecht 93B mass
Besson 93B mass

$J/\psi(1S) \pi^+ \pi^- X$
(88.2 – 94.2) Abreu 94M mass

$K^\pm J/\psi(1S) \gamma X$
(10.58) Albrecht 91D mass

$K^+ J/\psi(1S) \pi^0 X$
(10.6) Albrecht 94P ang,angp,mass

$K^+ J/\psi(1S) \pi^- X$
(10.6) Albrecht 94P ang,angp,mass

$K^0 J/\psi(1S) \pi^+ X$
(10.6) Albrecht 94P ang,angp,mass

$\overline{K}^0 J/\psi(1S) \pi^- X$
(10.6) Albrecht 94P ang,angp,mass

$K^- J/\psi(1S) \pi^+ X$
(10.6) Albrecht 94P ang,angp,mass

$K^- J/\psi(1S) \pi^0 X$
(10.6) Albrecht 94P ang,angp,mass

$p\ 2\pi^0 X$
(10.52 – 10.58) Bishai 95 ang,angp,mass,p
(10.6) Kubota 93 mass

$p \pi^+ \pi^- X$
(10.5) Crawford 93 mass
(10.52 – 10.58) Bishai 95 ang,angp,mass,p

$p\ 2\pi^- X$
(10.5 – 10.58) Crawford 91B mass,p

$\overline{p}\ 2\pi^0 X$
(10.52 – 10.58) Bishai 95 ang,angp,mass,p

$\overline{p} \pi^+ \pi^- X$
(10.52 – 10.58) Bishai 95 ang,angp,mass,p

$p K^- \pi^+ X$
(10.35 – 10.6) Avery 93 mass
(10.5) Crawford 93 mass
(10.5 – 10.58) Crawford 91B mass,p
(10.52 – 10.58) Alexander 95 cs,mass
(10.55) Avery 90B mass
(10.56) Ammar 95 mass,p
(91.2) Deangelis 93 mass

$\overline{p} K^+ \pi^- X$
(10.56) Ammar 95 mass,p

$e^+ e^-$

$p K_S \eta X$
(10.56) Ammar 95 mass,p

$\overline{p} K_S \eta X$
(10.56) Ammar 95 mass,p

$p K^+ K^- X$
(10.52 – 10.58) Alexander 95 cs,mass

$\Lambda \pi^+ \pi^0 X$
(10.3 – 10.58) Procario 91 mass

$\Lambda \pi^+ \pi^- X$
(10) Alexander 94 angp,mass
(91.2) Abreu 95C mass,p

$\overline{\Lambda} \pi^+ \pi^- X$
(10) Alexander 94 angp,mass
(91.2) Abreu 95C mass,p

$\Lambda \eta \pi^+ X$
(10.56) Ammar 95 mass,p

$\overline{\Lambda} \eta \pi^- X$
(10.56) Ammar 95 mass,p

$\Lambda K^+ \pi^0 X$
(10.35 – 10.6) Avery 93 mass

$\Lambda K^+ K^- X$
(10.58 – 10.87) Henderson 91B mass

$\Lambda K^+ K_S X$
(10.56) Ammar 95 mass,p

$\overline{\Lambda} K_S K^- X$
(10.56) Ammar 95 mass,p

$\Lambda \overline{\Lambda} \pi X$
(91.2) Acton 92T cor,p

$\Sigma^+ \pi^+ \pi^- X$
(10.6) Kubota 93 mass

$\Sigma^+ K^+ K^- X$
(10.35 – 10.6) Avery 93 mass

$\Sigma^+ K^*(892) \pi^- X$
(10.5 – 10.7) Avery 95 mass

$\Xi^0 \pi^+ \pi^0 X$
(10.6) Edwards 95B mass

$\Xi^-\ 2\pi^+ X$
(10) Alexander 94 angp,mass

$\overline{\Xi}^+\ 2\pi^- X$
(10) Alexander 94 angp,mass

$\overline{\Xi}^0 \pi^0 \pi^- X$
(10.6) Edwards 95B mass

$\Xi^- K^+ \pi^+ X$
(10.35 – 10.6) Avery 93 mass
(10.4) Albrecht 94S cs,mass,p
(10.55) Avery 90B mass

$\overline{\Xi}^+ K^- \pi^- X$
(10.4) Albrecht 94S cs,mass,p

$\overline{\Lambda} \Xi^- \pi^+ X$
(91.2) Acton 92T cor,p

$\Lambda \overline{\Xi}^+ \pi^- X$
(91.2) Acton 92T cor,p

nonres $< \Lambda_c^+ \pi^+ \pi^- >$ X
(10.58) Albrecht 93F mass

$\Lambda_c^+ \pi^+ \pi^- X$
(10.4) Litvintsev 94 mass
(10.52 – 10.58) Fujino 95 cor,mass,p
Edwards 94 cor,mass,p
(10.58) Albrecht 93F mass

$\overline{\Lambda}_c^- \pi^+ \pi^- X$
(10.52 – 10.58) Fujino 95 cor,mass,p
Edwards 94 cor,mass,p

$e^\pm$ 3charged X
(10.58) Battle 92 col

$e^+ e^-$

$e^\pm$ 2hadron (hadrons) X
(52 – 61.4) Nagai 91 angp,col,mult,p

e^- 2hadron$^+$ hadron$^-$ X
(9.4 – 10.6) Albrecht 95B ang,angp,cor

e^+ hadron$^+$ 2hadron$^-$ X
(9.4 – 10.6) Albrecht 95B ang,angp,cor

$e^- e^+$ 2neutral (neutrals)
(10.6) Heltsley 92 –

$e^- e^+$ 2charged (neutrals)
(88 – 94) Dittmar 92 cs

$e^- e^+$ charged$^+$ charged$^-$ (neutrals)
(88.2 – 94.2) Acton 92E ang,mass

$e^- e^+$ 2jet X
(58) Shirai 94 ang,p
Tauchi 94 p,pt
Hayashii 93 cs,p,pt
Shirai 93 ang,p
Tauchi 93 cs,pt
(60) Kim 93B p,pt
Kim 93C p,pt

$e^- e^+$ (hadrons) 2jet
(88.3 – 94.3) Abreu 94D cs,p

$2e^-$ hadron (hadrons) X
(88.2 – 94.2) Acciarri 94D angp,col,p,pt

$e^- e^+$ hadron (hadrons) X
(58) Aso 95 angp,mass,p,pt
(88.2 – 94.2) Acciarri 94D angp,col,p,pt

$2e^+$ hadron (hadrons) X
(88.2 – 94.2) Acciarri 94D angp,col,p,pt

$e^- e^+$ hadron (hadrons) jet
(88.3 – 94.3) Abreu 94D cs,p

$e^- e^+$ 2hadron (hadrons)
(17.5) Behrend 91 –
(58) Itoh 95 p
(60) Kim 93B col,p,pt
Kim 93C col,p,pt
(91.2) Buskulic 93K mass,p

$e^- e^+ 2\gamma$ (γ's)
(10) Bienlein 91 p

$\mu^\pm$ 2hadron (hadrons) X
(52 – 61.4) Shimonaka 91 col

μ^- 2hadron$^+$ hadron$^-$ X
(9.4 – 10.6) Albrecht 95B ang,angp,cor

μ^+ hadron$^+$ 2hadron$^-$ X
(9.4 – 10.6) Albrecht 95B ang,angp,cor

$\mu^- e^-$ hadron (hadrons) X
(88.2 – 94.2) Acciarri 94D angp,col,p,pt

$\mu^- e^+$ hadron (hadrons) X
(88.2 – 94.2) Acciarri 94D angp,col,p,pt

$\mu^+ e^-$ hadron (hadrons) X
(88.2 – 94.2) Acciarri 94D angp,col,p,pt

$\mu^+ e^+$ hadron (hadrons) X
(88.2 – 94.2) Acciarri 94D angp,col,p,pt

$\mu^- \mu^+$ 2charged (neutrals)
(88 – 94) Dittmar 92 cs

$\mu^- \mu^+$ charged$^+$ charged$^-$ (neutrals)
(88.2 – 94.2) Acton 92E ang,mass

$e^+ e^-$

$2\mu^-$ hadron (hadrons) X
- (88.2 – 94.2) Acciarri 94D angp,col,p,pt

$\mu^- \mu^+$ hadron (hadrons) X
- (88.2 – 94.2) Acciarri 94D angp,col,p,pt

$2\mu^+$ hadron (hadrons) X
- (88.2 – 94.2) Acciarri 94D angp,col,p,pt

$\mu^- \mu^+$ 2hadron (hadrons)
- (91.2) Buskulic 93K mass,p

$\tau^- \tau^+$ 2charged (neutrals)
- (88 – 94) Dittmar 92 cs

$\tau^- \tau^+$ charged$^+$ charged$^-$ (neutrals)
- (88.2 – 94.2) Acton 92E ang,mass

$2\pi^0$ $e^\pm$ charged-hadron (neutrals)
- (10.6) Procario 92 mass

$\pi^+ \pi^- e^- e^+$ X
- (58) Enomoto 94B mass,pt

$\pi^+ \pi^0 \pi^- \ell$ X
- (10.52 – 10.58) Bean 92B mass

$K^+ 2\pi^- e^+$ X
- (10.5) Kroha 92B mass,p

$K^- 2\pi^+ e^-$ X
- (10.5) Kroha 92B mass,p

$K^+ 2\pi^- \mu^+$ X
- (10.5) Kroha 92B mass,p

$K^- 2\pi^+ \mu^-$ X
- (10.5) Kroha 92B mass,p

$K^+ K^- \pi^+ \ell^-$ X
- (91.2) Acton 93L mass

$K^+ K^- \pi^- \ell^+$ X
- (91.2) Acton 93L mass

$D^0 e^- \overline{\nu}_e \gamma$ X
- (10.58) Albrecht 92B mass,p

$D^0 \mu^- \overline{\nu}_\mu \gamma$ X
- (10.58) Albrecht 92B mass,p

$2D^*(2010)^+ 2\ell^-$ X
- (91.2) Sefkow 93 asym

$D^*(2010)^+ D^*(2010)^- \ell^+ \ell^-$ X
- (91.2) Sefkow 93 asym

$2D^*(2010)^- 2\ell^+$ X
- (91.2) Sefkow 93 asym

$p\, \pi^0 \pi^- e^+$ X
- (10) Alexander 94 angp,mass

$p\, 2\pi^- e^+$ X
- (10) Alexander 94 angp,mass

$\overline{p}\, 2\pi^+ e^-$ X
- (10) Alexander 94 angp,mass

$\overline{p}\, \pi^+ \pi^0 e^-$ X
- (10) Alexander 94 angp,mass

$p\, \overline{p}\, e^- e^+$ X
- (58) Uehara 95 ang,cs,p,pt

$p\, \overline{\Lambda}\, e^- e^+$ X
- (58) Uehara 95 ang,cs,p,pt

$\Lambda\, \overline{\Lambda}\, e^- e^+$ X
- (58) Uehara 95 ang,cs,p,pt

3charged neutral X
- (9.38 – 10.61) Albrecht 94O cs,p

4charged (neutrals)
- (9.4 – 10.6) Albrecht 91M cs

$e^+ e^-$

charged (jets) 3jet
- (91.2) Abreu 95C mult

(jets) 3jet jet < γ X >
- (88.25 – 94.25) Buskulic 95D cs,p

mult[γ] hadron$^+$ hadron$^-$ 2neutral
- (9.4 – 10.6) Antreasyan 91B mass

γ 2charged (chargeds) (neutrals)
- (91.2) Abreu 91G ang

2γ (γ's) hadron$^+$ hadron$^-$
- (91.2) Acciarri 95 col,mass

4γ X
- (10.6) Bortoletto 93 mass

π^0 2charged$^+$ charged$^-$ X
- (10.6) Urheim 94 mass,p

π^0 charged$^+$ 2charged$^-$ X
- (10.6) Urheim 94 mass,p

π^0 (jets) 3jet
- (91.2) Acciarri 95M mult,p

$2\pi^+ 2\pi^-$ X
- (10.2) Albrecht 90M –

η (jets) 3jet
- (91.2) Acciarri 95M mult,p

K^0 (jets) 3jet
- (91.2) Abreu 95C mult

$K^+ \pi^0$ hadron (hadrons) X
- (91.2) Abreu 94O mass,p,pt

$K^- \pi^0$ hadron (hadrons) X
- (91.2) Abreu 94O mass,p,pt

kaon $2\pi\, \gamma$ X
- (10.58) Alam 94B mass,p

kaon $\pi^0 \pi\, \gamma$ X
- (10.58) Alam 94B mass,p

$K_S\, 2\pi\, \gamma$ X
- (10.58) Alam 94B mass,p

$K_S\, \pi^0 \pi\, \gamma$ X
- (10.58) Alam 94B mass,p

$K^+ \pi^+ 2\pi^-$ X
- (10) Albrecht 94N mass
- (10.4) Albrecht 94L angp,mass,p
- (88.3 – 94.3) Buskulic 93P mass,p

$K^+ \pi^0 2\pi^-$ X
- (10.58) Bergfeld 94B angp,mass,p
- (88.3 – 94.3) Buskulic 93P mass,p

$K^0 2\pi^+ \pi^-$ X
- (10.58 – 10.87) Kinoshita 90 mass

$\overline{K}^0 2\pi^+ \pi^-$ X
- (9.46 – 10.58) Albrecht 92G mass

$K^- 2\pi^+ \pi^0$ X
- (9.46 – 10.58) Albrecht 92G mass
- (10.58) Bergfeld 94B angp,mass,p
- (10.58 – 10.87) Kinoshita 90 mass
- (57.96) Nakano 93 mass
- (88.3 – 94.3) Buskulic 93P mass,p
- (88.4 – 93.8) Akers 93E mass

$K^- 2\pi^+ \pi^-$ X
- (10) Albrecht 94N mass
- (10.36 – 10.7) Procario 92B mass
- (10.4) Albrecht 94L angp,mass,p
- Litvintsev 94 mass
- (10.58) Alam 94C cs,mass
- Avery 94 mass
- (88.3 – 94.3) Buskulic 93P mass,p

$K_S\, 2\pi^+ \pi^0$ X
- (10.58 – 10.87) Kinoshita 90 mass

$e^+ e^-$

$K^- \eta\, 2\pi^+$ X
- (10.58 – 10.87) Kinoshita 90 mass

$K^- \omega\, 2\pi^+$ X
- (9.46 – 10.58) Albrecht 92G mass

$K^+ K^- 2\gamma$ X
- (9.4 – 10.6) Albrecht 94J cs,mass

$K^+ K^- \pi^+ \gamma$ X
- (10.4) Albrecht 92N mass
- (10.6) Gronberg 95 mass
- Muheim 93 mass,p

$K^+ K^- \pi^- \gamma$ X
- (10.6) Gronberg 95 mass

$K^+ \overline{K}^0 \pi^+ \pi^-$ X
- (10.3 – 10.58) Albrecht 91P mass

$K^+ K^- \pi^+ \pi^0$ X
- (10.35 – 10.58) Kubota 94 mass
- (10.4) Albrecht 92N mass
- (10.6) Gronberg 95 mass

$K^+ K^- \pi^+ \pi^-$ X
- (9.4 – 10.6) Albrecht 94J cs,mass

$K^+ K^- \pi^0 \pi^-$ X
- (10.6) Gronberg 95 mass

$K_S\, K^- 2\pi^+$ X
- (10.3 – 10.58) Albrecht 91P mass

$2K_S\, \pi^+ \pi^-$ X
- (9.4 – 10.6) Albrecht 94J cs,mass
- (10.4) Litvintsev 94 mass

$D^*(2010)^0 \pi^+ 2\pi^-$ X
- (10.58) Alam 94C cs,mass

$p\, 2\pi^+ \pi^0$ X
- (10.6) Kubota 93 mass

$p\, \pi^+ 2\pi^-$ X
- (10) Alexander 94 angp,mass

$\overline{p}\, 2\pi^+ \pi^-$ X
- (10) Alexander 94 angp,mass

$p\, K^+ \pi^0 \pi^-$ X
- (10.35 – 10.6) Avery 93 mass

$p\, \overline{K}^0 \pi^+ \pi^-$ X
- (10.55) Avery 90B mass

$p\, K_S\, \pi^+ \pi^-$ X
- (10.4) Litvintsev 94 mass,p
- (10.58) Albrecht 93F mass

$p\, K^+ K^- \pi^0$ X
- (10.35 – 10.6) Avery 93 mass

$p\, K^+ K^- \pi^-$ X
- (10.4) Albrecht 94S cs,mass,p
- (10.58 – 10.87) Henderson 91B mass

$\overline{p}\, K^+ K^- \pi^+$ X
- (10.4) Albrecht 94S cs,mass,p

$2p\, 2\pi^-$ X
- (91.2) Acton 92T mass,p

$p\, \overline{p}\, \pi^+ \pi^-$ X
- (91.2) Acton 92T mass,p

$2\overline{p}\, 2\pi^+$ X
- (91.2) Acton 92T mass,p

Λ (jets) 3jet
- (91.2) Abreu 95C mult

$\Lambda\, 2\pi^+ \pi^-$ X
- (10) Alexander 94 angp,mass
- (10.4) Litvintsev 94 mass,p
- (10.55) Avery 90B mass
- (10.58) Albrecht 93F mass

$\overline{\Lambda}\, \pi^+ 2\pi^-$ X
- (10) Alexander 94 angp,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.

$e^+ e^-$

$\Lambda\ K^+\ \pi^+\ \pi^-\ X$
- (10.35 – 10.6) Avery 93 mass
- (10.4) Albrecht 94S cs,mass,p

$\overline{\Lambda}\ K^-\ \pi^+\ \pi^-\ X$
- (10.4) Albrecht 94S cs,mass,p

Ξ^- (jets) 3jet
- (91.2) Abreu 95C mult

$\Xi^0\ 2\pi^+\ \pi^-\ X$
- (10.6) Edwards 95B mass

$\Xi^0\ \pi^+\ \pi^0\ \pi^-\ X$
- (10.5 – 10.7) Avery 95 mass

$\Xi^-\ 2\pi^+\ \pi^-\ X$
- (10.5 – 10.7) Avery 95 mass

$\overline{\Xi}^0\ \pi^+\ 2\pi^-\ X$
- (10.6) Edwards 95B mass

$\Xi^-\ K^-\ 2\pi^+\ X$
- (10.58) Albrecht 92J mass

$e^\pm$ 3charged neutral (neutrals)
- (10.5 – 10.9) Ammar 91 ang,mass,p

$e^-\ e^+$ 3hadron (hadrons)
- (7.7 – 9.7) Baru 92 col,p

$e^-\ e^+$ 3charged-hadron (hadrons)
- (55 – 61.4) Tanaka 92 col,p

$\pi^0\ e^-$ 2hadron$^+$ hadron$^-$ X
- (9.4 – 10.6) Albrecht 95B ang,angp,cor

$\pi^0\ e^+$ hadron$^+$ 2hadron$^-$ X
- (9.4 – 10.6) Albrecht 95B ang,angp,cor

$\pi^0\ \mu^-$ 2hadron$^+$ hadron$^-$ X
- (9.4 – 10.6) Albrecht 95B ang,angp,cor

$\pi^0\ \mu^+$ hadron$^+$ 2hadron$^-$ X
- (9.4 – 10.6) Albrecht 95B ang,angp,cor

$\pi^+\ 2\pi^-\ e^+$ neutral (neutrals)
- (9.4 – 10.6) Albrecht 92F mass,p

$3\pi^0\ e^\pm$ charged-hadron (neutrals)
- (10.6) Procario 92 mass

$\pi^+\ 2\pi^-\ \mu^+$ neutral (neutrals)
- (9.4 – 10.6) Albrecht 92F mass,p

$K^-\ \pi^+\ e^-\ \overline{\nu}_e\ \gamma\ X$
- (10.58) Albrecht 92B mass,p

$K^-\ \pi^+\ \mu^-\ \overline{\nu}_\mu\ \gamma\ X$
- (10.58) Albrecht 92B mass,p

$K^-\ 2\pi^+\ \ell^-\ \overline{\nu}\ X$
- (10.58) Barish 94 mass

$K^-\ \pi^+\ \pi^0\ \ell^-\ \overline{\nu}\ X$
- (10.58) Barish 94 mass

3charged neutral (neutrals) X
- (91.2) Charlesworth 95 cor,p

4charged (neutrals) X
- (9.4 – 10.58) Bartelt 94 angp,p,pt
- (10.6) Battle 94 mass

4charged neutral (neutrals)
- (10.5 – 10.9) Ammar 91 ang,mass,p

5charged X
- (88.2 – 94.2) Akers 94D col
- (90.95 – 91.45) Akers 94E col

(jets) 5jet
- (91.2) Lauber 93 const,cs

5hadron (hadrons)
- (91.25) Buskulic 92C col,mass

5charged-hadron (hadrons)
- (91.2) Acton 92H col,const,cor
- Abreu 91P asym,col,const
- Halley 91 asym,col,const

2γ 2hadron (hadrons) (neutrals)
- (9.4 – 10.6) Karch 91C col

π^0 4charged-hadron (neutrals)
- (10.6) Procario 92 mass

$\pi^+\ 2\pi^0\ 2\pi^-\ X$
- (10.6) Bortoletto 93 mass

η 4charged (neutrals)
- (10.6) Artuso 92 –

kaon $3\pi\ \gamma\ X$
- (10.58) Alam 94B mass,p

kaon $\pi^0\ 2\pi\ \gamma\ X$
- (10.58) Alam 94B mass,p

$K_S\ 3\pi\ \gamma\ X$
- (10.58) Alam 94B mass,p

$K_S\ \pi^0\ 2\pi\ \gamma\ X$
- (10.58) Alam 94B mass,p

$K^+\ 2\pi^0\ 2\pi^-\ X$
- (10.58) Bergfeld 94B angp,mass,p

$K^+\ 3\pi^-\ \pi\ X$
- (10.35 – 10.6) Avery 93 mass

$\overline{K}^0\ 2\pi^+\ \pi^0\ \pi^-\ X$
- (9.46 – 10.58) Albrecht 92G mass

$K^-\ 2\pi^+\ 2\pi^0\ X$
- (10.58) Bergfeld 94B angp,mass,p

$K^-\ 3\pi^+\ \pi^-\ X$
- (10.58 – 10.87) Kinoshita 90 mass
- (88.4 – 93.8) Akers 93E mass

$K_S\ 2\pi^+\ \pi^0\ \pi^-\ X$
- (10.58 – 10.87) Kinoshita 90 mass

$K^+\ K_S\ \pi^+\ \pi^-\ \gamma\ X$
- (10.4) Albrecht 92N mass

$K^+\ K^-\ 2\pi^+\ \pi^-\ X$
- (10.4) Litvintsev 94 mass

$K^+\ K^-\ \pi^+\ \pi^0\ \pi^-\ X$
- (9.4 – 10.6) Albrecht 94J cs,mass

$K^+\ K_S\ \pi^+\ \pi^0\ \pi^-\ X$
- (10.4) Albrecht 92N mass

$2K^+\ K_S\ K^-\ \gamma\ X$
- (10.4) Albrecht 92N mass

$2K^+\ K_S\ K^-\ \pi^0\ X$
- (10.4) Albrecht 92N mass

$p\ \pi^+\ 2\pi^0\ \pi^-\ X$
- (10.6) Kubota 93 mass

$p\ 2\pi^+\ 2\pi^-\ X$
- (10) Alexander 94 angp,mass
- (10.5) Crawford 93 mass

$\overline{p}\ 2\pi^+\ 2\pi^-\ X$
- (10) Alexander 94 angp,mass

$p\ K^+\ \pi^+\ 2\pi^-\ X$
- (10.4) Albrecht 94S cs,mass,p

$p\ K^-\ 2\pi^+\ \pi^-\ X$
- (10.4) Litvintsev 94 mass,p
- (10.58) Albrecht 93F mass

$\overline{p}\ K^-\ 2\pi^+\ \pi^-\ X$
- (10.4) Albrecht 94S cs,mass,p

$e^-\ e^+$ 3charged (chargeds) X
- (58) Enomoto 94B angp,pt

$e^-\ e^+$ 4charged (chargeds)
- (58) Iwasaki 94 angp,p

$e^-\ e^+$ 4hadron (hadrons)
- (55 – 61.4) Finch 93 col
- Tanaka 91 col

$e^-\ e^+$ 4charged-hadron (hadrons)
- (55 – 61.4) Kim 93 col
- Tanaka 92 col,p

$\pi^+\ 2\pi^0\ (\pi^0\text{'s})\ \mu^-\ \overline{\nu}_\tau\ \gamma$
- (10) Bean 92 ang,mass,qnc

$4\pi^0\ e^\pm$ charged-hadron (neutrals)
- (10.6) Procario 92 mass

$K_S\ \pi^+\ \pi^-\ e^-\ \overline{\nu}_e\ \gamma\ X$
- (10.58) Albrecht 92B mass,p

$K_S\ \pi^+\ \pi^-\ \mu^-\ \overline{\nu}_\mu\ \gamma\ X$
- (10.58) Albrecht 92B mass,p

5charged (chargeds) X
- (58) Kanda 95 p,pt
- (91.2) Baird 95 angp,col,const,cor,p,pt
- Abe 94W angp,col,const,cor,p,pt

5charged (chargeds) (neutrals)
- (91.2) Abreu 93D col,const,cor,mass

6γ X
- (9.4 – 10.6) Karch 91C mass

$2\pi^0$ 4charged-hadron (neutrals)
- (10.6) Procario 92 mass

$2\pi^+\ 2\pi^-\ (\gamma\text{'s})$ 2neutral
- (9.4 – 10.6) Albrecht 92M mass

$3\pi^+\ \pi^0\ 2\pi^-\ X$
- (10.6) Urheim 94 mass,p

$2\pi^+\ \pi^0\ 3\pi^-\ X$
- (10.6) Urheim 94 mass,p

$K^+\ \pi^+\ 2\pi^-\ (\gamma\text{'s})$ 2neutral
- (9.4 – 10.6) Albrecht 92M mass

kaon $4\pi\ \gamma\ X$
- (10.58) Alam 94B mass,p

kaon $\pi^0\ 3\pi\ \gamma\ X$
- (10.58) Alam 94B mass,p

$K_S\ 4\pi\ \gamma\ X$
- (10.58) Alam 94B mass,p

$K_S\ \pi^0\ 3\pi\ \gamma\ X$
- (10.58) Alam 94B mass,p

$\overline{K}^0\ 3\pi^+\ 2\pi^-\ X$
- (9.46 – 10.58) Albrecht 92G mass

$K^-\ 3\pi^+\ \pi^0\ \pi^-\ X$
- (9.46 – 10.58) Albrecht 92G mass
- (10.58 – 10.87) Kinoshita 90 mass

$\Lambda\ 3\pi^+\ 2\pi^-\ X$
- (10.4) Litvintsev 94 mass,p
- (10.58) Albrecht 93F mass

$\pi^0\ (\pi^0\text{'s})\ 2\nu$ 4charged-hadron
- (10.6) Heltsley 92 mass

$\pi^+\ \pi^-\ e^-\ e^+\ 3\gamma\ X$
- (29) Bauer 93 angp

$2\pi^+\ \pi^0\ \pi^-\ (\pi^0\text{'s})\ \mu^-\ \overline{\nu}_\tau\ \gamma$
- (10) Bean 92 ang,mass,qnc

$2\pi^+\ 3\pi^-\ \tau^+\ \nu_\tau$ (neutrals)
- (10.6) Gibaut 94 cs,mass

$K^-\ 2\pi^+\ \pi^-\ e^-\ \overline{\nu}_e\ \gamma\ X$
- (10.58) Albrecht 92B mass,p

$K^-\ 2\pi^+\ \pi^-\ \mu^-\ \overline{\nu}_\mu\ \gamma\ X$
- (10.58) Albrecht 92B mass,p

7charged X
- (91.2) Abreu 91Q col

$e^+ e^-$

$3\pi^0$ 4charged-hadron (neutrals)		
(10.6)	Procario 92	mass
$2\pi^0$ (π^0's) 2ν 4charged-hadron		
(10.6)	Heltsley 92	mass
$4\pi^0$ 4charged-hadron (neutrals)		
(10.6)	Procario 92	mass
$3\pi^0$ (π^0's) 2ν 4charged-hadron		
(10.6)	Heltsley 92	mass
$4\pi^0$ (π^0's) 2ν 4charged-hadron		
(10.6)	Heltsley 92	mass
unspec		
$0.0021 - 0.0024$		
	Tsertos 91	cs
(< 0.002)	Skalsey 92	cs
< 0.004636	Trzaska 91B	mass,p
neutral		
($57.5 - 59.5$)	Suzuki 93C	cs
vmeson		
($88.23 - 94.22$)	Adriani 93D	pol
narrow		
($88.23 - 95.04$)	Adriani 93C	cs
Z^0 < hadron (hadrons) X >		
(91.2)	Fero 94	asym,const
$Z^0 < \tau^- \tau^+ >$		
(91.2)	Fero 94	asym,const
Z^0		
($88 - 93$)	Dydak 91	–
($88 - 94$)	Dittmar 92	cs
($88.2 - 94.2$)	Forty 93	–
	Schreiber 92	–
	Adeva 91D	–
	Adeva 91E	–
	Decamp 91S	–
	Privitera 91	–
	Zomer 91	–
	Zomer 91B	–
($88.2 - 94.22$)	Kramer 94	–
	Abreu 91M	–
($88.22 - 94.22$)	Abreu 91	–
	Abreu 91H	–
	Acton 91C	–
	Akrawy 90U	–
($88.25 - 95$)	Sawyer 91	–
($88.28 - 94.28$)	Crosland 91	–
($88.28 - 95.04$)	Akers 95K	–
	Decamp 91	–
($88.3 - 94.3$)	Bryman 92	–
(91)	Abreu 95E	cs
	Bambade 92	–
($91 - 91.5$)	Kramer 94	–
(91.2)	Buskulic 96	–
	Abe 95ZG	–
	Abe 95ZN	–
	Abe 95ZQ	–
	Abreu 95B	–
	Abreu 95H	–
	Abreu 95O	–
	Acciarri 95P	–
	Akers 95F	–
	Akers 95G	–
	Akers 95L	–
	Akers 95M	–
	Akers 95O	–
	Akers 95T	–
	Akers 95V	–
	Alexander 95B	–
	Alexander 95C	–
	Alexander 95D	–
	Alexander 95E	–
	Alexander 95I	–
	Baird 95	–
	Musolino 95	–
	Abe 94U	–
	Abe 94V	–
	Abe 94W	–
	Abreu 94	–
	Abreu 94I	–
	Abreu 94J	–

$e^+ e^-$

Z^0		
	Abreu 94O	–
	Abreu 94P	–
	Abreu 94R	cs
	Acciarri 94C	–
	Akers 94H	–
	Akers 94S	–
	Alemany 94	–
	Baird 94	–
	Bonivento 94	–
	Brient 94	–
	Buskulic 94J	–
	Carr 94	–
	Colas 94	–
	Dejongh 94	–
	Demin 94	–
	Golutvin 94	–
	Gomezycadena 94	–
	Janot 94	–
	Jones 94B	–
	Kramer 94	–
	Manly 94	–
	Maur 94	–
	Posthaus 94	–
	Richard 94	cs
	Shevchenko 94	–
	Strohmer 94	–
	Wermes 94	–
	Wormser 94	–
	Acton 93F	–
	Acton 93I	–
	Acton 93K	–
	Adriani 93H	–
	Adriani 93I	–
	Adriani 93L	–
	Biebel 93	–
	Biebel 93B	–
	Blondel 93B	mass
	Burrows 93	–
	Cattaneo 93	–
	Elia 93	asym,const
	Fernandez 93	–
	Forty 93	–
	Gaidot 93	–
	Giacomelli 93	–
	Lopezfernand 93	–
	Pater 93	–
	Pierre 93	–
	Schwarz 93	–
	Seyward 93	–
	Tenchini 93	cs
	Abreu 92	–
	Abreu 92D	–
	Abreu 92H	–
	Abreu 92I	–
	Abreu 92K	–
	Abreu 92L	–
	Acton 92	–
	Acton 92C	–
	Acton 92D	–
	Acton 92I	–
	Acton 92J	–
	Acton 92L	–
	Acton 92M	–
	Acton 92N	–
	Adeva 92	–
	Adeva 92B	–
	Adriani 92D	–
	Adriani 92I	–
	Adriani 92J	–
	Adriani 92L	–
	Barklow 92	–
	Bencheikh 92	–
	Benedic 92	–
	Borzumati 92	–
	Boucrot 92	–
	Brandl 92	–
	Buskulic 92	–
	Buskulic 92E	–
	Buskulic 92G	–
	Buskulic 92H	–
	Buskulic 92J	–
	Campana 92	cs
	Cosmo 92	–

$e^+ e^-$

Z^0		
	Decamp 92	–
	Decamp 92C	–
	Feindt 92B	–
	Felcini 92	–
	Fujino 92	–
	Gross 92	–
	Gross 92B	–
	Lafferty 92	–
	Lauber 92	–
	Schumm 92	–
	Shevchenko 92	–
	Sopczak 92	–
	Sopczak 92B	–
	Sopczak 92C	–
	Trischuk 92	–
	Abreu 91D	–
	Abreu 91I	–
	Abreu 91J	–
	Abreu 91K	–
	Abreu 91L	–
	Abreu 91N	–
	Abreu 91O	–
	Abreu 91P	–
	Acton 91B	–
	Acton 91D	–
	Acton 91F	–
	Acton 91I	–
	Acton 91J	–
	Adeva 91C	–
	Adeva 91G	–
	Adeva 91I	–
	Adeva 91J	–
	Akrawy 91B	–
	Akrawy 91C	–
	Bertin 91	–
	Bhattacharyy 91	–
	Bortolotto 91	–
	Campion 91	–
	Capon 91	–
	Colas 91	–
	Deangelis 91B	–
	Decamp 91C	–
	Decamp 91F	–
	Decamp 91I	–
	Decamp 91J	–
	Decamp 91M	–
	Decamp 91Q	–
	Decamp 91R	–
	Dydak 91	–
	Ellis 91	–
	Giacomelli 91	–
	Goobar 91	–
	Jacobsen 91	–
	Jacobsen 91B	–
	Keranen 91	–
	Koetke 91	–
	Mattig 91	–
	Patton 91	–
	Pieri 91	–
	Roehn 91	–
	Simon 91	–
	Stahl 91	–
	Turner 91	–
	Wachsmuth 91	–
	Abreu 90S	–
	Adeva 90V	–
	Akrawy 90N	–
	Akrawy 90R	–
	Akrawy 90V	–
	Decamp 90M	–
(91.22)	Adriani 92B	–
(91.3)	Acton 92B	–
	Eerola 92	–
	Riles 92	–
	Rollnik 92	–
	Settles 92	–
	Seyward 92	–
	Acton 91H	–
	Alexander 91I	–
	Decamp 91D	–
	Geerts 91	–
(91.55)	Swartz 93	
		asym,const,cs

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$e^+ e^-$

Z^0
Rowson 92 asym,const,cs

$Z' + Z^0$
(88.23 – 94.22) Adriani 93D const,cs

meson^0
0.0024 – 0.003 Hallin 92 cs
(1.35 – 2.4) Bisello 91C cs
(54 – 64) Abe 93 cs
(57.4 – 59.8) Abe 93B cs
(88.23 – 94.22) Adriani 93D pol

$\rho(1450)^0$
(1.35 – 2.4) Castro 94 cs
(1.45) Donnachie 91 –

$\omega(1420)$
(1.35 – 2.4) Castro 94 cs
(1.39) Donnachie 91 –

$\omega(1600)$
(1.35 – 2.4) Castro 94 cs

$\rho(1700)^0$
(1.35 – 2.4) Castro 94 cs

$\phi(1020)$
(1.02) Akhmetshin 95 cs
Akhmetshin 95B cs

$\phi(1680)$
(1.35 – 2.4) Castro 94 cs
(1.68) Bisello 91 cs
Bisello 91B cs

$J/\psi(1S)$
(3.1) Bertolotto 94 –
Fan 94 –
Fan 94B –
Antonelli 93 cs
Bolton 92 –
Bolton 91 –
Chen 91 –
Dunwoodie 91 –
Jin 91 –
Augustin 90B –
Bisello 90B –

$\psi(2S)$
(3.69) Coffman 92 –

$\psi(3770)$
(3.77) Freyberger 94 –
Coffman 92B –
Tuan 92 –
Coffman 91 –
Potter 91 –
Bai 90C –

$\Upsilon(1S)$
(9.46) Blinov 95 –
Albrecht 94O cs
Balest 94B –
Cinabro 94 –
Alam 92 –
Albrecht 92H –
Baru 92B –
Baru 91 –
Bizzeti 91 –
(10) Kobel 91 –

$\Upsilon(2S)$
(10) Kobel 91 –
(10.02) Albrecht 94O cs

$\Upsilon(3S)$
(10.35) Butler 93 –
Crawford 91 –
(10.35 – 10.6) Avery 92 –
(10.36) Avery 93B –
Crawford 92 –
Potter 91 –
Wu 93 –
Alam 92 –
Heintz 92 –
Tuan 92 –
Brock 91 –
Heintz 91 –

$e^+ e^-$

$\Upsilon(3S)$
Morrison 91B –
Narain 91 –

$\Upsilon(4S)$
(10.35 – 10.6) Avery 92 –
(10.36) Yanagisawa 91 –
(10.58) Albrecht 95H –
Artuso 95 cs
Artuso 95B –
Asner 95 –
Barish 95 –
Bishai 95B –
Dubosq 95 –
Gibaut 95 –
Alam 94B –
Albrecht 94O cs
Albrecht 94P –
Albrecht 94U –
Alexander 94B –
Athanas 94 –
Balest 94C –
Barish 94 –
Dejongh 94 –
Ehrlich 94 –
Albrecht 93B –
Albrecht 93D –
Alexander 93B –
Avery 93B –
Bartelt 93B –
Battle 93 –
Besson 93B –
Browder 93 –
Forty 93 –
Nau 93 cs
Stone 93 –
Albrecht 92B –
Albrecht 92D –
Albrecht 92E –
Albrecht 92K –
Albrecht 92P –
Albrecht 92Q –
Drell 92 –
Sanghera 92 –
Albrecht 91E –
Albrecht 91G –
Albrecht 91I –
Albrecht 91J –
Bortoletto 91 –
Crawford 91 –
Crawford 91B –
Cronstrom 91 –
Drell 91 –
Henderson 91 –
Mai 91 –
Potter 91 –
Schafer 91 –
Fulton 90 –
Albrecht 89U –
(10.6) Kroha 92B –

$\Upsilon(10860)$
(10.86) Crawford 91 –
Potter 91 –
Yanagisawa 91 –

positronium
0 Asai 95 –
Asai 94 –
Vonbusch 94 –
$<$ 0.0009241 Mitsui 93 –
? Akopyan 91 –

$\ell^+ \ell^-$
(88.2 – 94.2) Banerjee 91 angp,asym,const,cs
Decamp 91S angp,asym,const,cs
(88.2 – 94.3) Buskulic 93 angp,const,cs
(88.22 – 94.23) Abreu 91B asym,const,cs
(88.22 – 94.28) Decamp 91N asym,const,cs
(88.25 – 94.25) Buskulic 93E angp,const

$e^+ e^-$

$\ell^+ \ell^-$
(88.3 – 94.3) Rolandi 92 const,cs
(88.3 – 95) Pietrzyk 91 cs
(91.2) Akers 95E col,cs
Blondel 93B asym,const
(91.27 – 91.28) Buskulic 94E asym,const,cs
(91.28) Abreu 94G asym,const,cs

$e^- e^+$
(0.0015 – 0.00186) Henderson 92 cs
(0.00156 – 0.00186) Wu 92 cs
0.0021 – 0.0024 Tsertos 91 cs
0.0024 – 0.003 Hallin 92 cs,mass
(0.00178 – 0.00192) Widmann 91 cs,p
0.0026 – 0.0029 Gobel 92 angp
(3.08 – 3.11) Bai 95B cs
(3.08 – 3.12) Jin 91 cs
(10.6) Akerib 92 cs
Heltsley 92 angp
(14 – 43.6) Kroha 92 angp,const
(29) Kroha 92 angp,const
(34.6 – 43.7) Kroha 92 angp,const
(34.7) Kroha 92 angp,const
(35) Kroha 92 angp,const
Behrend 90 angp
Behrend 89I angp,const
(54 – 64) Abe 93 angp,cs
(57.4 – 59.8) Abe 93B cs
(57.5 – 59.5) Suzuki 93C cs
(58) Tsuboyama 92 angp,const,cs
(88 – 93) Dydak 91 angp,const
(88 – 94.5) Decamp 91O angp
Meinhard 91 angp,const
(88.2 – 94.2) Abreu 94E asym,const,cs
Acciarri 94 angp,const,cs
Adriani 93B angp,const,cs,p
Adriani 93F const,cs
Vilain 93B asym,cs,pol
Adeva 91D asym,const,cs
Banerjee 91 angp,asym,const,cs
Burkhardt 91 asym,const,cs
Decamp 91S angp,asym,const,cs
Steinberger 90 asym,const,cs
(88.2 – 94.3) Adriani 93J asym,const,cs
Buskulic 93 angp,const,cs
(88.22 – 94.22) Bardadinotwi 92 const,cs
Bardadinotwi 92B const,cs
Abreu 91B asym,const,cs
(88.22 – 94.28) Decamp 91N asym,const,cs
(88.23 – 94.22) Adriani 93D cs
(88.23 – 95.04) Alexander 91C angp,const,cs
(88.24 – 94.23) Wenninger 92 angp,const,cs
(88.25 – 94.25) Buskulic 93E angp,const
(88.3 – 94.3) Ting 93 const,cs
(88.3 – 95) Pietrzyk 91 cs
(88.48 – 93.72) Acton 93C angp,const,cs

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$e^+ e^-$

$\tau^- \tau^+$
(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
(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
Blondel 93B asym,pol
Buskulic 93 const,pol
Schwarz 93 const,pol
Ting 93 pol
(91.26) Abe 94C asym,const,cs
(91.27 – 91.28) Buskulic 94E asym,const,cs
(91.28) Abreu 94G asym,const,cs
(91.2) Akers 93D angp,const,cs
(91.55) Abe 95ZF –
Abe 93M asym,const,cs
Prescott 93 asym,const,cs

$\tau^- < \pi^- \nu_\tau > \tau^+ < \pi^+ \bar{\nu}_\tau >$
(91.2) Buskulic 94 const,cor,pol

$\tau^- < \rho^- \nu_\tau > \tau^+ < \rho^+ \bar{\nu}_\tau >$
(91.2) Buskulic 94 const,cor,pol

$\tau^- < X > \tau^+ < \pi^+ \bar{\nu}_\tau >$
(91.2) Buskulic 94 cor

$\tau^- < X > \tau^+ < \rho^+ \bar{\nu}_\tau >$
(91.2) Buskulic 94 cor

$\tau^- < \rho^- \nu_\tau > \tau^+ < X >$
(91.2) Buskulic 94 cor

$\tau^- < \pi^- \nu_\tau > \tau^+ < X >$
(91.2) Buskulic 94 cor

$e^+ e^-$

$\tau^- < \rho^- \nu_\tau > \tau^+ < \pi^+ \bar{\nu}_\tau >$
(91.2) Buskulic 94 const,cor,pol

$\tau^- < \pi^- \nu_\tau > \tau^+ < \rho^+ \bar{\nu}_\tau >$
(91.2) Buskulic 94 const,cor,pol

$\bar{\nu} \nu^*$
(88.22 – 94.22) Bardadinotwi 92 const,cs
Bardadinotwi 92B const,cs
(130 – 140) Acciarri 95L const,cs

$\nu \bar{\nu}^* + \bar{\nu} \nu^*$
(89.48 – 91.26) Abreu 96 cs

$\nu \bar{\nu}^*$
(130 – 140) Acciarri 95L 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

$e^+ e^{*-}$
(92.2) Abreu 91G cs
(130 – 140) Acciarri 95L const,cs

$\mu^- \mu^{*+}$
(88.22 – 94.22) Bardadinotwi 92 const,cs
Bardadinotwi 92B const,cs
(92.2) Abreu 91G cs
(130 – 140) Acciarri 95L const,cs

$\mu^+ \mu^{*-}$
(92.2) Abreu 91G cs
(130 – 140) Acciarri 95L const,cs

$\tau^- \tau^{*+}$
(92.2) Abreu 91G cs
(130 – 140) Acciarri 95L const,cs

$\tau^+ \tau^{*-}$
(92.2) Abreu 91G cs
(130 – 140) Acciarri 95L const,cs

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
(88.2 – 94.2) Akers 94D const,cs
Akers 94G –
Adriani 93B cs
Abreu 92C –
(91) Chliapnikov 92 mult
(91 – 91.5) 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
(91.55) Abe 93X const,cs
Hiroaki 93 pol
(91.6) Martirena 94 const,cs

2jet $<$ jet X $>$
(90.95 – 91.45) Akers 94E mult

$e^+ e^-$

2jet $<$ mult[hadron] $>$
(91.3) Acton 92R cor

jet $< \Lambda \ell^- X >$ jet $< \bar{\Lambda} \ell^+ X >$
(91.2) Abreu 93C mass,pt

jet jet $< \gamma X >$
(88.25 – 94.25) Buskulic 95D cs,p

jet jet $< D_s^+ \mu^- X >$
(91.2) Abreu 92F cs

jet jet $< D_s^- \mu^+ X >$
(91.2) Abreu 92F cs

jet$^+$ jet$^-$
(56.6) Shirai 91 angp,cs
(57.6) Shirai 91 angp,cs
(57.9) Adachi 91B angp,asym,cs
Shirai 91 angp,cs
(58) Stuart 94 angp,cs
(91.2) Abreu 94S angp,const,cs

γ neutral
(91.2) Adriani 92M p

γ 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

γ jet
(91.2) Abreu 95U const,cs
Buskulic 92I cs

2γ
$< 4.526 \cdot 10^{-5}$ 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
(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
(88.5 – 93.7) Adriani 93B const,cs
Adriani 92B angp,const,cs

$Z^0 \gamma$
(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

$e^+ e^-$

$q\,\bar{q}$		
(91.3)	Acton 92K	angp,const,cs
$\bar{u}\,u$		
(91.2)	Abe 94ZB	const
	Burrows 93	const,cs
$\bar{d}\,d$		
(91.2)	Abe 94ZB	const
	Burrows 93	const,cs
$\bar{s}\,s + \bar{d}\,d + \bar{u}\,u$		
(91.2)	Abe 95ZP	asym
$\bar{s}\,s$		
(91.2)	Abe 94ZB	const
	Burrows 93	const,cs
c jet < charged X >		
(91.2)	Akers 95I	col,mult
$\bar{c}$ jet < charged X >		
(91.2)	Akers 95I	col,mult
$\bar{c}\,c + \bar{b}\,b$		
(91.2)	Abe 95ZP	asym
$\bar{c} < \ell^-$ X > $c < \ell^+$ X >		
(91.2)	Sefkow 93	cs
$\bar{c}\,c$		
(35 – 43)	Behrend 90	angp
(52 – 61.4)	Okamoto 91	angp,const,cs
(54 – 64)	Shirai 91	angp
(57 – 58)	Kanzaki 91	asym
(57.9)	Nakano 94	const,p
(57.96)	Nakano 93	const
(58)	Abe 93ZF	angp
	Hinode 93	angp,cs
	Tsuboyama 92	angp,const,cs
	Maki 91	asym
(89.52 – 92.94)	Alexander 95H	const,cs,p
(89.75 – 92.64)	Akers 93E	angp,cs
(90.22 – 92.22)	Decamp 91G	angp,asym,const
(91.2)	Abe 95ZQ	asym
	Abreu 95S	angp,p
	Buskulic 95I	cs
	Buskulic 95J	const,p
	Abe 94V	asym,const,pol
	Abe 94ZB	const
	Abreu 94S	angp,const,cs
	King 94	asym,const
	Blondel 93B	asym
	Burrows 93	const,cs
	Buskulic 93P	asym
	Campana 92	asym,cs
	Wyatt 92	asym,const
(91.22)	Adriani 93D	cs
(91.24)	Acton 93H	cs
	Adriani 92E	angp,const,cs
b jet < charged X >		
(91.2)	Akers 95I	col,mult
	Akers 93H	col,mult
$\bar{b}$ jet < charged X >		
(91.2)	Akers 95I	col,mult
	Akers 93H	col,mult
$\bar{b}\,b$		
(10.58 – 29)	Drell 91	angp,cs
(35 – 43)	Behrend 90	angp
(50 – 64)	Shirakata 91	angp
(52 – 61.4)	Nagai 91	angp
	Shimonaka 91	angp,const,cs
(57 – 58)	Kanzaki 91	asym
(57.2)	Shirai 91	angp
(57.8)	Liu 93	cs
(57.9)	Nakano 94	const,p
(58)	Abe 93ZF	angp
	Tsuboyama 92	angp,const,cs

$e^+ e^-$

$\bar{b}\,b$		
	Maki 91	asym
(58.3)	Shirai 91	angp
(58.4)	Shirai 91	angp
(88.2 – 94.2)	Adriani 93B	angp,const,cs
(89.52 – 92.44)	Akers 95X	const,p
(89.52 – 92.94)	Alexander 95H	const,cs,p
(89.66 – 92.75)	Acton 93H	cs
(89.67 – 92.81)	Adriani 93F	const,cs
(89.75 – 92.64)	Akers 93E	angp,cs
(90.22 – 92.22)	Decamp 91G	angp,asym,const
(91.2)	Abreu 95N	cs
	Abreu 95S	angp,p
	Akers 95C	col,const,cor,p
	Buskulic 95	–
	Buskulic 95I	cs
	Buskulic 95J	const,p
	Abe 94U	asym,const,pol
	Abe 94V	asym,const,pol
	Abe 94ZB	const
	Abreu 94S	angp,const,cs
	Buskulic 94L	–
	King 94	asym,const
	Abreu 93E	const
	Blondel 93B	asym
	Burrows 93	const,cs
	Buskulic 93P	asym
	Tenchini 93	asym,cs
	Ting 93	cs
	Campana 92	asym,cs
	Wyatt 92	asym,const
	Abreu 91Q	angp,asym,const
	Akrawy 91C	asym
	Trischuk 91	–
(91.22)	Adriani 93D	cs
(91.24)	Adriani 92E	angp,const,cs
(91.3)	Acciarri 94D	angp,cs
(91.55)	Abe 93Z	cs
	Su 92	cs
$\bar{b}$ < charged X > b < charged X >		
(91.55)	Abe 94ZC	mult
$\bar{b} < \ell^+$ X > $b < \ell^-$ X >		
(91.2)	Sefkow 93	cs
$\bar{b} < \bar{c} < \ell^-$ X > X > $b < \ell^-$ X >		
(91.2)	Sefkow 93	cs
$\bar{b} < \ell^+$ X > $b < c < \ell^+$ X > X >		
(91.2)	Sefkow 93	cs
2photino		
(91.2)	Acton 93J	cs
$H_1^0\,A^0$		
(91.2)	Akers 94Q	const,cs
$H_2^0\,A^0$		
(88 – 95)	Buskulic 92B	const,cs
$H^+\,H^-$		
(54 – 64)	Yuzuki 91	cs
$\bar{\tilde{t}}\,\tilde{t}$		
(58)	Shirai 94	cs
	Shirai 93	cs
$\tilde{t}_1\,\bar{\tilde{t}}_1$		
(91.2)	Akers 94J	cs
$\nu^*\,\bar{\nu}^*$		
(130 – 140)	Acciarri 95L	const,cs
$e^{*-}\,e^{*+}$		
(130 – 140)	Acciarri 95L	const,cs
$\mu^{*+}\,\mu^{*-}$		
(130 – 140)	Acciarri 95L	const,cs
$\tau^{*+}\,\tau^{*-}$		
(130 – 140)	Acciarri 95L	const,cs

$e^+ e^-$

$q^*\,\bar{q}$		
(88.2 – 94.22)	Abreu 91M	cs
meson$^+$ meson$^-$		
(54 – 64)	Yuzuki 91	cs
$\pi^0\,\gamma$		
(88.2 – 94.2)	Abreu 94H	angp,cs
$\pi^+\,\pi^-$		
(0.36 – 1)	Benayoun 92	cs
	Feindt 92C	cs
(1.35 – 2.4)	Castro 94	cs
(7.6 – 10)	Baru 91	cs
?	Landsberg 91	cs
$\eta\,\gamma$		
(0.9939 – 1.027)	Akhmetshin 95	cs,mass
(1.005 – 1.035)	Akhmetshin 95B	cs
(88.2 – 94.2)	Abreu 94H	angp,cs
$\rho\,\pi$		
(1.35 – 2.4)	Antonelli 92	cs
$\rho^+\,\pi^-$		
(1.35 – 2.4)	Donnachie 91	cs
$\rho^0\,\pi^0$		
(1.35 – 2.4)	Donnachie 91	cs
$\rho^-\,\pi^+$		
(1.35 – 2.4)	Donnachie 91	cs
$\rho\,f_0(700)$		
(1.35 – 2.4)	Bisello 91C	cs
$\omega\,\gamma$		
(88.2 – 94.2)	Abreu 94H	angp,cs
$\omega\,\pi^0$		
(1 – 1.4)	Donnachie 91	cs
(1.35 – 2.4)	Bisello 91C	cs
	Donnachie 91	cs
?	Landsberg 91	cs
$\eta'\,\gamma$		
(1.005 – 1.035)	Akhmetshin 95B	cs
$f_0(975)\,\gamma$		
(1.005 – 1.035)	Akhmetshin 95B	cs
$a_1(1260)\,\pi$		
(1.35 – 2.4)	Bisello 91C	cs
$K^+\,K^-$		
(0.9939 – 1.027)	Akhmetshin 95	cs,mass
(1.005 – 1.035)	Akhmetshin 95B	cs
(1.35 – 2.4)	Castro 94	cs
(7.6 – 10)	Baru 91	cs
$K_S\,K_L$		
(0.9939 – 1.027)	Akhmetshin 95	cs,mass
(1.005 – 1.035)	Akhmetshin 95B	cs
$\phi(1020)\,\eta$		
(9.4 – 10.6)	Albrecht 94J	cs,mass
$\phi(1020)\,\omega$		
(9.4 – 10.6)	Albrecht 94J	cs,mass
charm $\overline{\text{charm}}$		
(58)	Sakuda 93	const
	Suzuki 93C	angp
$D^0\,\overline{D}^0$		
(9.4 – 10.6)	Ammar 91B	–
(9.46 – 10.58)	Antreasyan 91	–
(10.58 – 10.87)	Kinoshita 90	–
$D^+\,D^-$		
(3.77)	Labs 92	cs
(9.4 – 10.6)	Ammar 91B	–
$D^*(2010)^0\,\overline{D}^*(2010)^0$		
(10.3 – 10.58)	Procario 91	–
$D^*(2010)^+\,D^*(2010)^-$		
(10)	Albrecht 93	–
(10.3 – 10.58)	Procario 91	–
(10.58 – 10.87)	Kinoshita 90	–
(10.6)	Alam 93	–

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$e^+ e^-$

$D^*(2010)^+ D^*(2010)^-$
Selen 93 –

$D_s^+ D_s^-$
(4.03) Bai 94 –
Bai 94B –
Fan 94B cs
(10.3 – 10.58) Procario 91 –

$D_s^{*+} D_s^-$
(4.14) Muheim 93B cs

$D_s^{*-} D_s^+$
(4.14) Muheim 93B cs

bottom $\overline{\text{bottom}}$
(58) Suzuki 93C angp
Maki 91 asym
(88.2 – 94.2) Akers 93 cs
(91.2) Buskulic 94H angp,const

$2B^0 + 2\overline{B}^0$
(10.53 – 10.58) Bartelt 93 –

$B \overline{B}$
(9.4 – 10.6) Albrecht 93C cs
(10.46 – 10.59) Lesiak 91 –
(10.57) Albrecht 94R cs
(10.58) Albrecht 95H –
Barish 95 –
Gibaut 95 –
Procario 93 –
Albrecht 92D –
Albrecht 91D cs
Albrecht 91J ang
(91.55) Abe 95ZD angp,asym,const,p

$B^0 \overline{B}^0$
(10.5) Kroha 93 –
Kroha 92B –
(10.52 – 10.58) Bean 92B –
(10.53 – 10.58) Bartelt 93 –
Besson 93B –
Forty 93 –
(10.58) Albrecht 95H –
Artuso 95B –
Bishai 95B –
Duboscq 95 –
Gibaut 95 –
Gibbons 95B –
Antreasyan 91 –
(10.6) Payne 94 –
Albrecht 93B –
Ali 93 cs
Ammar 93 –
Besson 93B –
(91.2) Acciarri 95H p
Sefkow 93 cs
Trischuk 91 –

$B^+ B^-$
(10.5) Kroha 93 –
Kroha 92B –
(10.52 – 10.58) Bean 92B –
(10.58) Albrecht 95H –
Bishai 95B –
Gibaut 95 –
Albrecht 94I –
(10.6) Payne 94 –
Albrecht 93B –
Ali 93 cs
Ammar 93 –
Besson 93B –

$\overline{B} B^*$
(10.61 – 10.65) Wu 91 cs
(10.7) Wu 91 cs

$B \overline{B}^*$
(10.61 – 10.65) Wu 91 cs
(10.7) Wu 91 cs

$\overline{B}^* B^*$
(10.7) Wu 91 cs

$B_s \overline{B}_s$
(91.2) Acciarri 95H p

$e^+ e^-$

$n \overline{n}$
(1.82 – 3.1) Morandin 94 cs
(1.9 – 2.1) Antonelli 93B cs
(3.1) Antonelli 93 cs

$p \overline{p}$
(1.9 – 2.44) Antonelli 94 cs
Antonelli 93B cs
(3.1) Antonelli 93 cs
(7.6 – 10) Baru 91 cs

$\Xi_c(2460)^0 \overline{\Xi}_c(2460)^0$
(10.58 – 10.87) Henderson 91B –

positronium γ
$2.145 \cdot 10^{-5}$ Skalsey 92B ang,p

ℓ 2jet < hadron (hadrons) >
(91.2) Buskulic 93M col,pt

ℓ 2jet
(88.2 – 94.2) Akers 93 col,pt
(89.75 – 92.64) Akers 93E cs
(91.2) Akers 93F cs

$\ell^+ \ell^-$ higgs
(88.2 – 94.2) Abreu 90O cs,mass

$\nu \overline{\nu}$ higgs
(88 – 95) Akers 94F cs
(88.2 – 94.2) Abreu 90O cs,mass

$\nu \overline{\nu}$ jet
(88.4 – 93.9) Buskulic 94K cs,mass

$\ell^+ \ell^-$ heavy
(91.2) Acton 93G cs
Buskulic 93F cs

$\ell^+ \ell^- \gamma$
(88.2 – 94.2) Acciarri 95G angp,cs

$\nu \overline{\nu} \gamma$
(50 – 62) Kanzaki 91 cs
(57.8) Sugimoto 95 cs
(58) Hosoda 94 cs,p
(88 – 94) Dittmar 92 p
(88.2 – 94.2) Adriani 93B angp,const,cs,p
(88.22 – 94.22) Akrawy 90U angp,cs
(88.3 – 94.3) Ting 93 const,cs
Adeva 91K cs
(88.5 – 93.8) Acciarri 94E angp,const,p
(88.6 – 93.8) Adriani 92F angp,cs,p
(88.89 – 94.21) Buskulic 93O const,cs
(89.48 – 91.26) Abreu 96 cs

$\ell^+ \ell^- H^0$
(88.28 – 95.04) Decamp 91 angp,et,mass
(91.2) Buskulic 93K cs

$\nu \overline{\nu} H^0$
(88.2 – 94.3) Adriani 93 cs
(88.28 – 95.04) Decamp 91 angp,et,mass
(91.2) Buskulic 93K cs

$e^\pm$ 2jet
(91.2) Abreu 93E cs,p,pt

e^- 2jet
(88.2 – 94.2) Buskulic 94D const,cs,pt

e^+ 2jet
(88.2 – 94.2) Buskulic 94D const,cs,pt

$e^- e^+$ higgs
(88 – 95) Akers 94F cs
(88.2 – 94.2) Abreu 90O cs,mass

$e^- e^+$ heavy
(91.2) Buskulic 93F cs

$e^- e^+ \gamma$
(88.2 – 94.2) Abreu 93H cs
Adeva 91E mass,p
(88.24 – 94.23) Wenninger 92 angp,const,cs

$e^+ e^-$

$e^- e^+ \gamma$
(92.2) Abreu 91G angp,mass

$e^- e^+ H^0$
(88.2 – 94.3) Adriani 93 cs
(88.28 – 95.04) Decamp 91 angp,et,mass

$\mu^\pm$ 2jet
(57.8) Liu 93 col
(88.3 – 94.3) Abreu 93L cs,pt
(91.2) Abreu 93E cs,p,pt

μ^- 2jet
(91.2) Strohmer 94 const,cor,mass,p,pt
Biebel 93B const,cor,mass,p,pt

μ^+ 2jet
(91.2) Strohmer 94 const,cor,mass,p,pt
Biebel 93B const,cor,mass,p,pt

$\mu^- \mu^+$ higgs
(88 – 95) Akers 94F cs
(88.2 – 94.2) Abreu 90O cs,mass

$\mu^- \mu^+$ heavy
(91.2) Buskulic 93F cs

$\mu^- \mu^+ \gamma$
(54 – 64) Yonezawa 91 asym,cs
(58) Maki 91 cs
(88.2 – 94.2) Abreu 93H cs
Adeva 91E mass,p
(91.2) Demin 94 cs,mass
(92.2) Abreu 91G angp,mass

$\mu^- \mu^+ H^0$
(88.2 – 94.3) Adriani 93 cs
(88.28 – 95.04) Decamp 91 angp,et,mass

$\tau^- \tau^+$ heavy
(91.2) Buskulic 93F cs

$\tau^- \tau^+ \gamma$
(29) Barklow'92 cs
(88.2 – 94.2) Abreu 93H cs
(92.2) Abreu 91G angp,mass

$\tau^- \tau^+ H^0$
(88.28 – 95.04) Decamp 91 angp,et,mass

$\ell^- q$ lepto-quark
(91.2) Abreu 93J const,cs

$\ell \overline{q}$ lepto-quark
(91.2) Abreu 91K cs

$\ell^+ \overline{q}$ lepto-quark
(91.2) Abreu 93J const,cs

$\nu \overline{\nu} H_1^0$
(91.2) Akers 94Q const,cs

$\mu^- \mu^+ H_1^0$
(91.2) Akers 94Q const,cs

$\nu \overline{\nu} H_2^0$
(88 – 95) Buskulic 92B const,cs
(91.2) Buskulic 93L cs,mass

meson^0 $\ell^+ \ell^-$
(91.2) Acton 93G cs
Buskulic 93F cs

meson^0 $e^- e^+$
(91.2) Buskulic 93F cs

meson^0 $\mu^- \mu^+$
(91.2) Buskulic 93F cs

meson^0 $\tau^- \tau^+$
(91.2) Buskulic 93F cs

$\pi^0 e^- e^+$
(0.774 – 0.79) Aulchenko 95 cs
(35) Behrend 90E mass

$e^+ e^-$

$\eta e^- e^+$		
(35)	Behrend 90E	mass
$\eta' e^- e^+$		
(10)	Karch 91B	cs
(35)	Behrend 90E	mass
$f_2(1270) e^- e^+$		
(58)	Yabuki 94	cs
	Tsuboyama 92	cs
$\eta_2(1870) e^- e^+$		
(10)	Karch 91B	cs
$\eta_c(1S) e^- e^+$		
(4.7 − 5.3)	Albrecht 94M	cs
(91.2)	Adriani 93K	mass
$\chi_{c2}(1P) e^- e^+$		
(10.58)	Shelkov 93	cs
(29)	Bauer 93C	cs,p
(54 − 64)	Uehara 91	angp,cs
charged 2jet		
(91.2)	Abreu 95C	mult
3jet		
(10.53)	Gibbons 95	const,cor,cs,p
(14 − 44)	Magnussen 91	const,cs
(14 − 94.2)	Bethke 92B	ang,cs
(29)	Buer 94	const,p
(58)	Li 93	const,cs,p
	Li 93B	const
(88.2 − 94.2)	Akers 94D	const,cs
	Adriani 93B	cs
	Abreu 92C	–
	Adeva 91F	const,cs,p,pt
(88.28 − 95.04)	Akers 95K	p
(91)	Chliapnikov 92	mult
	Abreu 91F	angp,col
	Alexander 91F	ang,p
(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
	Abe 94W	const,cor,p
	Abreu 93E	cs
	Acton 93	ang,p
	Akers 93I	const,cs
	Lauber 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
(91.6)	Martirena 94	const,cs
(92.1)	Bethke 91B	p
3jet < jet X >		
(90.95 − 91.45)	Akers 94E	mult
jet < $\mu^\pm$ X > 2jet < hadron X >		
(91.2)	Yepes 91	ang
2jet jet < γ X >		
(88.25 − 94.25)	Buskulic 95D	cs,p
2jet jet < ℓ X >		
(88.28 − 95.04)	Akers 95K	mult

$e^+ e^-$

γ 2neutral		
(58)	Abe 95ZJ	angp,cs,p,pt
(91.2)	Adriani 92M	p
γ 0γ 2neutral		
(50 − 62)	Kanzaki 91	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
	Akers 95V	angp
	Buskulic 92I	cs
3γ		
$< 4.526 \cdot 10^{-5}$	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
(91.22)	Adriani 92B	cs
$q \bar{q}$ heavy		
(91.2)	Buskulic 93F	cs
$\gamma q \bar{q}$		
(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
(91.2)	Abreu 96B	–
	Acciarri 95E	ang
$q \bar{q}$ 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 95E	ang
	Buskulic 95Q	p,pt
	Buskulic 95R	–
	Acton 93	ang,p
	Ting 93	ang
	Bethke 92	ang,p*p
	Adeva 91H	ang,angp
	Alexander 91H	ang,p
	Yepes 91	–
(91.55)	Fan 92	ang,p
$\bar{u} u$ gluon		
(91.2)	Abe 94ZB	const
	Burrows 93	const,cs
$\bar{d} d$ gluon		
(91.2)	Abe 94ZB	const
	Burrows 93	const,cs
$\bar{s} s$ gluon		
(91.2)	Abe 94ZB	const
	Burrows 93	const,cs
$\bar{c} c$ gluon		
(91.2)	Abe 94ZB	const
	Burrows 93	const,cs
$\gamma \bar{b} b$		
(91.2)	Abreu 96B	–
$\bar{b} b$ gluon		
(88.2 − 94.2)	Adeva 91F	const,cs,p,pt
(91.2)	Abreu 96B	–
	Akers 95C	col,const,cor,p
	Buskulic 95R	–
	Abe 94ZB	const
	Abreu 93E	const
	Burrows 93	const,cs
	Acton 92P	p,pt

$e^+ e^-$

2neutralino jet		
(88.2 − 94.2)	Acciarri 95F	cs
γ 2neutralino		
(88.2 − 94.2)	Acciarri 95F	cs
γ 2photino		
(50 − 62)	Kanzaki 91	cs
(57.8)	Sugimoto 95	cs
(58)	Hosoda 94	cs,p
γ 2gravitino		
(91.2)	Adriani 92M	p
$3A^0$		
(91.2)	Akers 94Q	const,cs
meson^0 $q \bar{q}$		
(91.2)	Buskulic 93F	cs
π^+ 2jet		
(91.2)	Strohmer 94	const,cor,mass,p,pt
	Biebel 93B	const,cor,mass,p,pt
π^0 2jet		
(91.2)	Acciarri 95M	mult,p
π^- 2jet		
(91.2)	Strohmer 94	const,cor,mass,p,pt
	Biebel 93B	const,cor,mass,p,pt
$\pi^+ \pi^0 \pi^-$		
(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
η 2jet		
(91.2)	Acciarri 95M	mult,p
$\eta \pi^+ \pi^-$		
(1.35 − 2.4)	Castro 94	cs
$\omega \pi^+ \pi^-$		
(1.35 − 2.4)	Castro 94	cs
	Antonelli 92	cs
	Bisello 91B	cs,mass
$\rho(1450)$ 2π		
(1.35 − 2.4)	Bisello 91C	cs
K^+ 2jet		
(91.2)	Strohmer 94	const,cor,mass,p,pt
	Biebel 93B	const,cor,mass,p,pt
K^0 2jet		
(91.2)	Abreu 95C	mult
K^- 2jet		
(91.2)	Strohmer 94	const,cor,mass,p,pt
	Biebel 93B	const,cor,mass,p,pt
$K^+ K^- \pi^0$		
(1.35 − 2.4)	Bisello 91	cs,mass
$K^+ K_S \pi^-$		
(1.35 − 2.4)	Castro 94	amp,cs
	Bisello 91	cs,mass
$K_S K^- \pi^+$		
(1.35 − 2.4)	Castro 94	amp,cs
	Bisello 91	cs,mass
$D^*(2010)^+$ 2jet		
(91.2)	Strohmer 94	const,cor,mass,p,pt
	Biebel 93B	const,cor,mass,p,pt
$D^*(2010)^-$ 2jet		
(91.2)	Strohmer 94	const,cor,mass,p,pt

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$e^+ e^-$

$D^*(2010)^-$ 2jet			
		Biebel 93B	const,cor,mass,p,pt
$D_s^+ D_s^- \gamma$			
	(4.14)	Coffman 91	–
$\Upsilon(1S)$ $2\pi^0$			
	(10.35)	Butler 93	mass
$\Upsilon(1S)$ $\pi^+ \pi^-$			
	(10.35)	Butler 93	ang,mass,p
$\Upsilon(2S)$ $2\pi^0$			
	(10.35)	Butler 93	mass
$\Upsilon(2S)$ $\pi^+ \pi^-$			
	(10.35)	Butler 93	ang,mass,p
Λ 2jet			
	(91.2)	Abreu 95C	mult
Ξ^- 2jet			
	(91.2)	Abreu 95C	mult
$\ell^\pm$ 3jet			
	(91.2)	Acton 92P	p,pt
2ℓ 2jet			
	(88.2 – 94.2)	Akers 93	col,pt
	(89.75 – 92.64)	Akers 93E	cs
	(91.2)	Akers 93F	cs
$2\ell^-$ 2jet			
	(91.2)	Buskulic 94C	cs
$\ell^+ \ell^-$ 2jet			
	(50 – 64)	Shirakata 91	col,pt
	(88.2 – 94.2)	Adeva 91B	mass
	(88.2 – 94.3)	Alexander 91B	mass
	(91.2)	Acciarri 95C	col,et,pt
		Akers 94N	ang,cs,pt
		Buskulic 94C	cs
		Abreu 93J	mass
		Abreu 91K	cs
$2\ell^+$ 2jet			
	(91.2)	Buskulic 94C	cs
$\nu \overline{\nu}$ 2jet			
	(88 – 95)	Akers 94F	cs,mass
	(88.2 – 94.2)	Adeva 91B	mass
	(88.2 – 94.3)	Alexander 91B	mass
	(91.2)	Buskulic 93K	angp,mass
$\ell^+ \ell^-$ 2γ			
	(88.2 – 94.2)	Acciarri 95G	angp,cs
	(91.2)	Acton 93G	mass
		Buskulic 93F	mass
		Ting 93	mass
$e^\pm$ 3jet			
	(88.2 – 94.2)	Adeva 91F	const,cs,p,pt
	(91.2)	Abreu 93E	cs,p,pt
$e^- e^+$ charged$^+$ charged$^-$			
	(88.2 – 94.2)	Abreu 93H	cs,mass
$2e^-$ 2jet			
	(88.2 – 94.2)	Buskulic 94D	const,cs,pt
$e^- e^+$ 2jet			
	(88 – 95)	Akers 94F	cs,mass
	(88.2 – 94.2)	Buskulic 94D	const,cs,pt
	(88.23 – 95.04)	Alexander 91C	angp,const,cs
	(91.2)	Abreu 94S	col
$2e^+$ 2jet			
	(88.2 – 94.2)	Buskulic 94D	const,cs,pt
$e^- e^+$ hadron$^+$ hadron$^-$			
	(88.2 – 94.2)	Abreu 93H	cs,mass
$e^- e^+$ 2γ			
	(0.774 – 0.79)	Aulchenko 95	cs

$e^+ e^-$

$e^- e^+$ 2γ			
	(10.36)	Crawford 92	mass,p
	(35)	Behrend 90E	mass
	(88.2 – 93.8)	Adriani 92K	cs,mass,p
	(88.24 – 94.23)	Wenninger 92	mass
	(91.2)	Acton 93G	mass
		Buskulic 93F	mass
		Ting 93	mass
	(92.2)	Abreu 91G	angp,mass
$e^- e^+$ $2\gamma^*$			-
	(10.6)	Dominick 94	p
	(58 – 59)	Suzuki 93C	–
$e^- e^+$ $\ell^+ \ell^-$			
	(88.2 – 94.2)	Abreu 93H	cs,mass
$e^- e^+$ $\nu \overline{\nu}$			
	(88.4 – 93.9)	Buskulic 94K	cs,mass
	(91.2)	Buskulic 94I	cs,mass,pt
$2e^-$ $2e^+$			
	(7.2 – 10)	Blinov 91B	mass
	(29)	Kaloshin 94	mass
		Barklow 92	cs
	(50 – 61.4)	Nozaki 92	ang,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
$\mu^\pm$ 3jet			
	(88.2 – 94.2)	Adeva 91F	const,cs,p,pt
	(91.2)	Abreu 93E	cs,p,pt
$\mu^- e^-$ 2jet			
	(88.2 – 94.2)	Buskulic 94D	const,cs,pt
$\mu^- e^+$ 2jet			
	(88.2 – 94.2)	Buskulic 94D	const,cs,pt
$\mu^+ e^-$ 2jet			
	(88.2 – 94.2)	Buskulic 94D	const,cs,pt
$\mu^+ e^+$ 2jet			
	(88.2 – 94.2)	Buskulic 94D	const,cs,pt
$\mu^- \mu^+$ charged$^+$ charged$^-$			
	(88.2 – 94.2)	Abreu 93H	cs,mass
$2\mu^-$ 2jet			
	(88.2 – 94.2)	Buskulic 94D	const,cs,pt
$\mu^- \mu^+$ 2jet			
	(88 – 95)	Akers 94F	cs,mass
	(88.2 – 94.2)	Buskulic 94D	const,cs,pt
	(88.23 – 95.04)	Alexander 91C	angp,const,cs
	(91.2)	Abreu 94S	col
$2\mu^+$ 2jet			
	(88.2 – 94.2)	Buskulic 94D	const,cs,pt
$\mu^- \mu^+$ hadron$^+$ hadron$^-$			
	(88.2 – 94.2)	Abreu 93H	cs,mass
$\mu^- \mu^+$ 2γ			
	(10.36)	Crawford 92	mass,p
	(88 – 94)	Dittmar 92	mass
	(88.2 – 93.8)	Adriani 92K	cs,mass,p
	(91.2)	Acton 93G	mass
		Buskulic 93F	mass
		Ting 93	mass
$\mu^- \mu^+$ $\ell^+ \ell^-$			
	(88.2 – 94.2)	Abreu 93H	cs,mass
$\mu^- \mu^+$ $e^- e^+$			
	(7.2 – 10)	Blinov 91B	mass
	(29)	Kaloshin 94	mass
		Barklow 92	cs
	(50 – 61.4)	Nozaki 92	ang,angp,mass

$e^+ e^-$

$\mu^- \mu^+$ $e^- e^+$			
	(52 – 61.4)	Hayashii 91	angp,mass,p
	(58)	Maki 91	angp,mass
	(88 – 94)	Akers 93C	angp,cs,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
$2\mu^-$ $2\mu^+$			
	(29)	Barklow 92	cs
	(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
$\tau^- \tau^+$ charged$^+$ charged$^-$			
	(88.2 – 94.2)	Abreu 93H	cs,mass
$\tau^- \tau^+$ 2jet			
	(91.2)	Akers 94Q	ang,mass
$\tau^- \tau^+$ hadron$^+$ hadron$^-$			
	(88.2 – 94.2)	Abreu 93H	cs,mass
$\tau^- \tau^+$ 2γ			
	(91.2)	Acton 93G	mass
		Buskulic 93F	mass
$\tau^- \tau^+$ $\ell^+ \ell^-$			
	(88.2 – 94.2)	Abreu 93H	cs,mass
$\tau^- \tau^+$ $\nu \overline{\nu}$			
	(91.2)	Akers 94Q	ang,mass
$\tau^- \tau^+$ $e^- e^+$			
	(29)	Barklow 92	cs
	(88 – 94)	Akers 93C	angp,cs,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
	(91.2)	Akers 94Q	ang,mass
$\tau^- \tau^+$ $\mu^- \mu^+$			
	(29)	Barklow 92	cs
	(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
	(91.2)	Akers 94Q	ang,mass
$2\tau^-$ $2\tau^+$			
	(91.2)	Akers 94Q	ang,mass
$\nu \overline{\nu}$ $q \overline{q}$			
	(91.2)	Buskulic 94I	cs,mass,pt
$e^- e^+$ $q \overline{q}$			
	(88.5 – 93.7)	Adam 93	ang,cs,mass
$\mu^- \mu^+$ $q \overline{q}$			
	(88.5 – 93.7)	Adam 93	ang,cs,mass
$\ell^+ \ell^-$ 2neutralino			
	(88.2 – 94.2)	Acciarri 95F	cs
$\nu \overline{\nu}$ 2neutralino			
	(88.2 – 94.2)	Acciarri 95F	cs
$\pi^+ \mu^- \overline{\nu}_\tau \gamma$			
	(10)	Bean 92	ang,mass,qnc
$2\pi^0$ $e^- e^+$			
	(10.35)	Butler 93	mass
$\pi^+ \pi^-$ $e^- e^+$			
	(7.2 – 10)	Blinov 91B	mass
	(10.35)	Butler 93	mass
	(10.36)	Wu 93	mass
	(20)	Behrend 92	mass
	(29)	Kaloshin 94	mass
		Barklow 92	cs
	(58)	Yabuki 94	angp,mass
	(88.2 – 94.2)	Acton 92E	ang,mass
	(88.4 – 93.9)	Buskulic 94K	cs,mass
$2\pi^0$ $\mu^- \mu^+$			
	(10.35)	Butler 93	mass
$\pi^+ \pi^-$ $\mu^- \mu^+$			
	(10.35)	Butler 93	mass
	(10.36)	Wu 93	mass

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$\mu^+ p$

$\mu^+ X$		
	Arneodo 93	const,p
	Arneodo 93B	p
	Hughes 93B	p
	Hughes 93C	p
	Amaudruz 92	p
	Amaudruz 92B	p
	Botje 92	p
	Milsztajn 92	p
	Virchaux 92	p
	Amaudruz 91	p
	Amaudruz 91D	p
96 – 219	Virchaux 92	p
100	Adams 94I	asym,p
100 – 190	Hughes 95	asym,p
100 – 200	Adeva 93B	asym,p,pol
	Altarelli 93	asym
	Hughes 93C	p,pol
	Svec 93	asym,p
100 – 280	Virchaux 92	p
	Bethke 91	const,p
	Roberts 91	p
120 – 280	Virchaux 92	p
	Bazizi 91	p
	Roberts 91	p
190	Ehrnsperger 95	angp,asym,p
	Adams 94G	asym,p
	Witzmann 94	asym,p
274	Roberts 91	p
350 – 600	Kotwal 94	p
465	Kotwal 94B	angp,p
	Spentzouris 94	angp,p
	Wolbers 94	angp,p
470	Adams 95	angp,p
	Adams 95C	a-dep,angp,p
	Kotwal 95	angp,p
490	Adams 93	p
	Adams 93C	const,et
	Hughes 93B	p
μ^+ mult[charged] X		
280	Schmitz 91	angp,col,p
μ^+ mult[charged$^-$] X		
280	Derado 92B	angp,col,p,pt
μ^+ mult[charged] (neutrals)		
280	Fialkowski 94	col,mult
	Derado 92	mult
	Buschbeck 91	angp,col,mult,p,pt
	Derado 91	col,mult
μ^+ mult[charged$^+$] (neutrals)		
280	Fialkowski 94	col,mult
	Derado 91	col,mult
μ^+ mult[charged$^-$] (neutrals)		
280	Fialkowski 94	col,mult
	Derado 91	col,mult
μ^+ jet X		
490	Adams 92C	cs
	Morfin 92	cs
	Salgado 91	cs
μ^+ hadron$^+$ X		
100 – 190	Adeva 95	angp,asym,p
100 – 280	Ashman 91	mass,p
μ^+ hadron$^-$ X		
100 – 190	Adeva 95	angp,asym,p
100 – 280	Ashman 91	mass,p
μ^+ charged-hadron X		
100 – 280	Ashman 91	pt
$\mu^- \mu^+$ X		
200 – 280	Arneodo 94	mass
$K^0 \mu^+$ X		
490	Adams 94D	mass,mult,p,pt

$\mu^+ p$

$\overline{K}^0 \mu^+$ X		
490	Adams 94D	mass,mult,p,pt
$\phi(1020) \mu^+$ X + $\rho^0 \mu^+$ X		
470	Fang 94	a-dep,cs,p
$J/\psi(1S) \mu^+$ X		
200	Arneodo 95D	a-dep,p
	Arneodo 94	p,pt
280	Arneodo 94	p,pt
	Allasia 90C	angp,p
$n \mu^+$ X		
470	Adams 95D	mult,p
$\Lambda \mu^+$ X		
490	Adams 94D	mass,mult,p,pt
$\overline{\Lambda} \mu^+$ X		
490	Adams 94D	mass,mult,p,pt
2charged$^+$ X		
490	Adams 94E	cor,p
charged$^+$ charged$^-$ X		
490	Adams 94E	cor,p
2charged$^-$ X		
490	Adams 94E	cor,p
μ^+ mult[charged$^+$] mult[charged$^-$] X		
280	Derado 92B	angp,col,p,pt
μ^+ charged$^+$ charged$^-$ X		
280	Derado 92B	cor,mass,p
μ^+ 2charged$^-$ X		
280	Derado 92B	cor,mass,p
μ^+ 2jet X		
470	Adams 96	angp,p
490	Adams 93C	const,et
	Melanson 93	const,cs,pt
	Salgado 93	p
	Salgado 93B	cs
	Salgado 93C	angp,cs,et
	Adams 92C	cs
	Morfin 92	cs
	Salgado 91	cs
μ^+ hadron$^+$ hadron$^-$ X		
490	Adams 95G	mass
μ^+ 2hadron (hadrons)		
490	Salgado 91	col
$\pi^+ \pi \mu^+$ X		
490	Adams 94D	mass
$\pi^+ \pi^- \mu^+$ X		
490	Adams 93F	p
$p \pi^- \mu^+$ X		
490	Adams 94D	mass
$\bar{p} \pi^+ \mu^+$ X		
490	Adams 94D	mass
3charged X		
490	Adams 94E	cor,p
3charged$^-$ X		
490	Adams 94E	cor,p
μ^+ 3jet X		
490	Salgado 93C	angp,cs,et
	Morfin 92	cs
$p \mu^+$ hadron$^+$ hadron$^-$ (neutrals)		
490	Kotwal 94B	mass
μ^+ (jets) 3jet X		
490	Adams 92C	cs
	Salgado 91	cs
μ^+ 4charged (chargeds) X		
490	Adams 93B	ang,angp,col,mass,pt

$\mu^+ p$

$p \rho^0 \mu^+$		
280	Amaudruz 91F	angp,pt
465	Schellman 94	a-dep,angp
490	Adams 95G	a-dep,angp
	Kotwal 94B	a-dep,angp
$p \phi(1020) \mu^+$		
465	Schellman 94	a-dep,angp
μ^+ 3jet		
490	Salgado 92	mass
$p \mu^+$ charged$^+$ charged$^-$		
465	Schellman 94	mass

$\mu^+ n$

μ^+ X		
90 – 280	Arneodo 94C	p
	Arneodo 93B	p
	Hughes 93C	p
	Amaudruz 91D	p
465	Spentzouris 94	angp,p
	Wolbers 94	angp,p
470	Adams 95	angp,p
490	Adams 93	p
	Hughes 93B	p

μ^+ nucleus

μ^+ X		
100 – 200	Roberts 91	p
$J/\psi(1S) \mu^+$ X		
200	Ashman 92	p,pt
μ^+ charged$^+$ charged$^-$ X		
470	Fang 94	mass
nucleus $\rho^0 \mu^+$		
470	Fang 93	a-dep,angp,p
nucleus $\phi(1020) \mu^+$		
470	Fang 93	a-dep,angp,p
nucleus μ^+ charged$^+$ charged$^-$		
470	Fang 93	mass,p

μ^+ deuteron

μ^+ X		
90 – 280	Arneodo 95C	angp,p
	Arneodo 94C	p
	Mallot 94	p
	Nassalski 94	p
	Arneodo 93	const,p
	Arneodo 93B	p
	Hughes 93B	p
	Hughes 93C	p
	Amaudruz 92	p
	Botje 92	p
	Milsztajn 92	p
	Amaudruz 91	p
100	Ehrnsperger 95	angp,asym,p
	Horikawa 94	asym,p
	Lowe 94	angp,asym
	Mallot 94	asym,p
	Niinikoski 94	asym,p
	Adeva 93	asym,p
	Adeva 93B	asym
	Altarelli 93	asym,p
	Hughes 93C	asym,p
100 – 190	Hughes 95	asym,p
100 – 280	Hughes 93C	a-dep,p
	Arneodo 92	a-dep,p
	Ashman 92B	a-dep,p
120 – 280	Virchaux 92	p
	Roberts 91	p
147	Virchaux 92	p
190	Adams 95E	asym,p
200	Amaudruz 95	a-dep,p
	Arneodo 95	a-dep,angp,p
	Paic 94	a-dep,angp

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μ^+ deuteron

μ^+ X

	Arneodo 92	a-dep,p
	Amaudruz 91B	a-dep,p
200 – 280	Roberts 91	p
274	Roberts 91	p
280	Arneodo 92	p
	Virchaux 92	p
	Bazizi 91	p
	Roberts 91	p
350 – 600	Kotwal 94	p
465	Kotwal 94B	angp,p
	Spentzouris 94	angp,p
	Wolbers 94	angp,p
468	Carroll 93	a-dep,cs
470	Adams 95	angp,p
	Adams 95C	a-dep,angp,p
	Kotwal 95	angp,p
490	Conrad 95	a-dep,cs,p
	Mallot 94	a-dep,p
	Adams 93	p
	Adams 93C	const,et
	Hughes 93B	p
	Adams 92B	p
	Adams 92D	angp,p
	Arneodo 92	p
	Morfin 92	p
	Schellman 91B	p

mult[charged] X

490	Adams 93D	mult,p

mult[charged$^+$] X

490	Adams 93D	mult,p

mult[charged$^-$] X

490	Adams 93D	mult,p

charged X

490	Adams 93D	mult,p,pt

charged$^+$ X

490	Adams 93D	mult,p,pt

charged$^-$ X

490	Adams 93D	mult,p,pt

μ^+ charged X

490	Adams 94F	mult,p
	Morfin 92	angp,p,pt

μ^+ charged$^+$ X

490	Adams 94F	mult,p

μ^+ charged$^-$ X

490	Adams 94F	mult,p

μ^+ jet X

490	Melanson 93	a-dep,cs
	Salgado 93	p
	Salgado 93B	cs

μ^+ hadron$^+$ X

100 – 190	Adeva 95	angp,asym,p
100 – 280	Ashman 91	mass,p

μ^+ hadron$^-$ X

100 – 190	Adeva 95	angp,asym,p
100 – 280	Ashman 91	mass,p

μ^+ charged-hadron X

100 – 280	Ashman 91	pt
	Ashman 91B	a-dep,ang,p,pt
490	Adams 94H	cor,p
	Adams 91E	p,pt

μ^- μ^+ X

200 – 280	Arneodo 94	mass

K^0 μ^+ X

490	Adams 94D	mass,mult,p,pt

$\overline{K}^0$ μ^+ X

490	Adams 94D	mass,mult,p,pt

$\phi(1020)$ μ^+ X + ρ^0 μ^+ X

470	Fang 94	a-dep,cs,p

μ^+ deuteron

$J/\psi(1S)$ μ^+ X

200	Arneodo 95D	a-dep,p
	Arneodo 94	p,pt
280	Arneodo 94	p,pt
	Allasia 90C	angp,p

n μ^+ X

470	Adams 95D	mult,p

Λ μ^+ X

490	Adams 94D	mass,mult,p,pt

$\overline{\Lambda}$ μ^+ X

490	Adams 94D	mass,mult,p,pt

2charged X

490	Adams 93D	cor,p

2charged$^+$ X

490	Adams 94E	cor,p

charged$^+$ charged$^-$ X

490	Adams 94E	cor,p

2charged$^-$ X

490	Adams 94E	cor,p

μ^+ mult[grey] charged$^+$ X

490	Adams 94F	mult,p

μ^+ mult[grey] charged$^-$ X

490	Adams 94F	mult,p

μ^+ 2jet X

470	Adams 96	angp,p
490	Adams 95F	angp,cor,p
	Adams 93C	const,et
	Melanson 93	a-dep,cs
	Salgado 93	p
	Salgado 93B	cs

μ^+ hadron$^+$ hadron$^-$ X

490	Adams 95G	mass

μ^+ 2charged-hadron X

490	Adams 94H	cor,p

π^+ π μ^+ X

490	Adams 94D	mass

π^+ π^- μ^+ X

490	Adams 93F	p

p π^- μ^+ X

490	Adams 94D	mass

$\overline{p}$ π^+ μ^+ X

490	Adams 94D	mass

ρ^0 μ^+ fragt (fragts)

490	Adams 95G	a-dep,angp

3charged X

490	Adams 94E	cor,p

3charged$^-$ X

490	Adams 94E	cor,p

μ^+ 3charged-hadron X

490	Adams 94H	cor,p

deuteron μ^+ hadron$^+$ hadron$^-$ (neutrals)

490	Kotwal 94B	mass

μ^+ 4charged (chargeds) X

490	Adams 93B	ang,angp,col,mass,pt

deuteron μ^+

90 – 280	Amaudruz 92B	p
	Virchaux 92	p

deuteron ρ^0 μ^+

200	Arneodo 95D	ang,angp,dme,pt
	Arneodo 94B	a-dep,p,pt
280	Amaudruz 91F	angp,pt
465	Schellman 94	a-dep,angp
490	Kotwal 94B	a-dep,angp

μ^+ deuteron

deuteron ρ^0 μ^+

500	Conrad 95	a-dep,angp,cs

deuteron $\phi(1020)$ μ^+

200	Arneodo 95D	angp
	Arneodo 94B	p,pt
465	Schellman 94	a-dep,angp

deuteron μ^+ charged$^+$ charged$^-$

465	Schellman 94	mass

deuteron π^+ π^- μ^+

200	Arneodo 94B	a-dep,ang,mass,p,pt

deuteron K^+ K^- μ^+

200	Arneodo 94B	mass,p,pt

μ^+ He

μ^+ X

200	Amaudruz 95	a-dep,p
	Arneodo 92	a-dep,p
	Amaudruz 91B	a-dep,p
274	Roberts 91	p

μ^+ Li

μ^+ X

200	Paic 94	a-dep,angp

μ^+ ^{6}Li

μ^+ X

90	Amaudruz 95	a-dep,p
	Amaudruz 91C	p
200	Arneodo 95	a-dep,angp,p

μ^+ Be

μ^+ X

90 – 280	Mallot 94	a-dep,p

μ^+ C

μ^+ X

90 – 280	Mallot 94	a-dep,p
	Amaudruz 92	p
100 – 280	Arneodo 92	a-dep,p
	Roberts 91	p
114 – 271	Roberts 91	p
120 – 280	Virchaux 92	p
200	Amaudruz 95	a-dep,p
	Paic 94	a-dep,angp
	Arneodo 92	a-dep,p
	Amaudruz 91B	a-dep,p
274	Roberts 91	p
280	Arneodo 92	a-dep,p
	Virchaux 92	p
	Roberts 91	p
468	Carroll 93	a-dep,cs
470	Adams 95C	a-dep,angp,p
490	Conrad 95	a-dep,cs,p
	Mallot 94	a-dep,p

μ^+ jet X

490	Melanson 93	a-dep,cs
	Salgado 93	p
	Salgado 93B	cs

μ^- μ^+ X

200 – 280	Arneodo 94	mass

$\phi(1020)$ μ^+ X + ρ^0 μ^+ X

470	Fang 94	a-dep,cs,p

$J/\psi(1S)$ μ^+ X

200	Arneodo 95D	a-dep,p
	Arneodo 94	p,pt
200 – 280	Arneodo 92	p,pt
	Amaudruz 91E	p,pt
280	Arneodo 94	p,pt

n μ^+ X

470	Adams 95D	mult,p

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μ^+ Pb

μ^+ 2jet X		
	Salgado 93	p
	Salgado 93B	cs
μ^+ hadron$^+$ hadron$^-$ X		
490	Adams 95G	mass
ρ^0 μ^+ fragt (fragts)		
490	Adams 95G	a-dep,angp
Pb μ^+ hadron$^+$ hadron$^-$ (neutrals)		
490	Kotwal 94B	mass
Pb ρ^0 μ^+		
465	Schellman 94	a-dep,angp
490	Kotwal 94B	a-dep,angp
500	Conrad 95	a-dep,angp,cs
Pb $\phi(1020)$ μ^+		
465	Schellman 94	a-dep,angp
Pb μ^+ charged$^+$ charged$^-$		
465	Schellman 94	mass

q q

2q		
(< 1800)	Zanetti 93	const
	Flaugher 92B	const
	Incagli 92	const

q $\overline{q}$

e^- e^+		
(< 1800)	Sinervo 92	const
	Yeh 92	const
	Gold 91	const
μ^- μ^+		
(< 1800)	Sinervo 92	const
	Abe 91H	const
	Gold 91	const
q $\overline{q}$		
(< 1800)	Sinervo 92	const
	Yeh 92	const

dark nucleus

nucleus dark		
?	Beck 94	cs

dark ^{16}O

X		
0	Snowdenifft 95	cs

dark ^{27}Al

X		
0	Snowdenifft 95	cs

dark ^{28}Si

X		
0	Snowdenifft 95	cs

dark ^{39}KK

X		
0	Snowdenifft 95	cs

unspec nucleus

mult[charged] X		
$< 10^{11}$	Carrel 94	cor
mult[γ] X		
10^7	Ivanenko 92	p,pt
unspec X		
> 1000	Asakimori 94	–
$> 10^{11}$	Carrel 94	cs
shower X		
$10^4 - 10^8$	Adamov 93	p
mult[e^-] mult[γ] X		
$> 10^6$	Avakyan 93	angp,mult
mult[γ] mult[hadron] X		
$10^5 - 6.2 \cdot 10^6$	Kopenkin 94	col,p,pt
$> 10^5$	Baradzei 91	col,p,pt
$4 \cdot 10^5 - 3 \cdot 10^6$	Borisov 94	col,p,pt
$> 4 \cdot 10^5$	Baradzei 93	ang,col,p,pt
10^7	Ivanenko 92	p,pt
mult[μ] mult[shower] X		
$> 3 \cdot 10^9$	Yoshida 95	cs,p
$1.7 \cdot 10^{11} - 2.6 \cdot 10^{11}$	Hayashida 94	cs,p
2$\mu^\pm$ mult[μ] X		
?	Bloise 93	ang
4γ charged X		
> 1000	Asakimori 94	ang,p
20$\mu^\pm$ X		
$> 2 \cdot 10^5$	Adarkar 91	p

hadron p

mult[charged] (neutrals)		
(22 – 630)	Buschbeck 91	angp,col,mult,p,pt

hadron nucleus

mult[γ] mult[hadron] X		
$10^5 - 6.2 \cdot 10^6$	Kopenkin 94	col,p,pt
$> 10^5$	Baradzei 91	col,p,pt
$4 \cdot 10^5 - 3 \cdot 10^6$	Borisov 94	col,p,pt
$> 4 \cdot 10^5$	Baradzei 93	ang,col,p,pt

hadron Mg

mult[p] X		
100	Whitmore 94	mult
p X		
100	Whitmore 94	angp

hadron Ag

mult[p] X		
100	Whitmore 94	mult
p X		
100	Whitmore 94	angp

hadron Au

mult[p] X		
100	Whitmore 94	mult
p X		
100	Whitmore 94	angp

hadron Pb

inelastic		
> 6300	Arisawa 94	cs
chiron X		
$> 10^5$	Arisawa 94	cs

hadron$^+$ p

mult[charged] (neutrals)		
147	Arena 92	col,mult,p,pt
hadron$^-$ X		
140	Apsimon 90C	p
π^0 X		
140	Apsimon 90C	p

hadron$^+$ nucleus

K^0 mult[grey] X + $\overline{K}^0$ mult[grey] X		
200	Brick 92	cor,mult,p,pt
K^0 $\pi^\pm$ X + $\overline{K}^0$ $\pi^\pm$ X		
200	Brick 92	mult
p K^0 X + p $\overline{K}^0$ X		
200	Brick 92	mult
Λ mult[grey] X		
200	Brick 92	cor,mult,p,pt
Λ $\pi^\pm$ X		
200	Brick 92	mult
p Λ X		
200	Brick 92	mult

hadron$^-$ p

hadron$^+$ X		
140	Apsimon 90C	p
π^0 X		
140	Apsimon 90C	p

meson$^+$ p

2charged$^+$ mult[charged] X		
250	Aivazyan 91	cor,p
charged$^+$ charged$^-$ mult[charged] X		
250	Aivazyan 91	cor,p
2charged$^-$ mult[charged] X		
250	Aivazyan 91	cor,p
3charged X		
250	Aivazyan 91	cor,p,pt
3charged$^+$ X		
250	Aivazyan 91	cor,p,pt
2charged$^+$ charged$^-$ X		
250	Aivazyan 91	cor,p
charged$^+$ 2charged$^-$ X		
250	Aivazyan 91	cor,p
3charged$^-$ X		
250	Aivazyan 91	cor,p,pt

meson$^+$ Al

2charged$^+$ X		
250	Botterweck 90	cor,p,pt
2charged$^-$ X		
250	Botterweck 90	cor,p,pt
mult[shower] 2charged X		
250	Botterweck 90	cor,p

meson$^+$ Au

2charged$^+$ X		
250	Botterweck 90	cor,p,pt
2charged$^-$ X		
250	Botterweck 90	cor,p,pt
mult[shower] 2charged X		
250	Botterweck 90	cor,p

$\pi^\pm$ p

ρ^0 X		
80 – 140	Apsimon 92B	cs
$f_0(975)$ X		
80 – 140	Apsimon 92B	cs
$f_2(1270)$ X		
80 – 140	Apsimon 92B	angp,cs,p,pt
2jet X		
160 – 380	Naples 94	a-dep,ang,pt
π^+ π^- X		
80 – 140	Apsimon 92B	mass
(jets) 2jet X		
200 – 300	Adams 94	p

$\pi^\pm$ nucleus

D X		
600	Lipton 92	a-dep,p,pt
D^+ X		
250	Rossi 91	a-dep
D^0 X		
250	Rossi 91	a-dep
B X		
600	Lipton 92	cs,p,pt

$\pi^\pm$ deuteron

2jet X		
160 – 380	Naples 94	a-dep,ang,pt

$\pi^\pm$ Be

2jet X		
160 – 380	Naples 94	a-dep,ang,pt

$\pi^\pm$ C

2jet X		
160 – 380	Naples 94	a-dep,ang,pt

$\pi^\pm$ Al

2jet X		
160 – 380	Naples 94	a-dep,ang,pt

$\pi^\pm$ Ti

$p\ \pi^\pm$ X		
1.4	Bayukov 94	angp,cor,p
deuteron $\pi^\pm$ X		
1.4	Bayukov 94	angp,cor,p

$\pi^\pm$ Fe

π^0 X		
500 – 5000	Avakyan 91B	p
	Avakyan 91C	p
$p\ \pi^\pm$ X		
1.4	Bayukov 94	angp,cor,p
deuteron $\pi^\pm$ X		
1.4	Bayukov 94	angp,cor,p

$\pi^\pm$ Cu

2jet X		
160 – 380	Naples 94	a-dep,ang,pt

$\pi^\pm$ Pb

2jet X		
160 – 380	Naples 94	a-dep,ang,pt

$\pi^+\ \pi^-$

$\pi^+\ \pi^-$		
(0.3 – 1.9)	Anisovich 95	angp,pwa

π^+ nucleon

$D^\pm$ X		
250	Wallace 94	cs
D^+ X + D^- X		
250	Karchin 95	cs,p,pt
D^0 X + $\overline{D}^0$ X		
250	Karchin 95	cs,p,pt
$D_s^\pm$ X		
250	Wallace 94	cs
D_s^+ X + D_s^- X		
250	Karchin 95	cs,p,pt
$K^*(892)^0\ K^-$ X + $\overline{K}^*(892)^0\ K^+$ X		
250	Karchin 95	mass
	Wallace 94	mass
$\phi(1020)\ \pi^+$ X + $\phi(1020)\ \pi^-$ X		
250	Karchin 95	mass
	Wallace 94	mass
$K^+\ 2\pi^-$ X + $K^-\ 2\pi^+$ X		
250	Karchin 95	mass
	Wallace 94	mass

$\pi^+ p$

mult[charged] X		
147	Arena 95	mult
250	Aivazyan 91B	col,p,pt
	Schmitz 91	angp,col,p,pt
mult[charged] (neutrals)		
147	Boca 92	col,mult,p
250	Agababyan 91	mult,p,pt

$\pi^+ p$

mult[charged] (neutrals)		
	Ajinenko 90C	col,mass,mult,p,pt
charged X		
250	Agababyan 94	p,pt
	Agababyan 94D	cs,mult,pt
γ X		
250	Botterweck 91	cs,p,pt
π^+ X		
0.1001 – 0.1202	Joram 95	angp
0.1 – 0.1545	Joram 95B	mass
π^0 X		
80 – 140	Apsimon 91	p,pt
250	Atayan 91	cs,p,pt
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
ρ^0 X		
80	Apsimon 91B	angp,cs,p,pt
80 – 140	Hofmann 91	p,pt
$f_2(1270)$ X		
80 – 140	Fiedler 91	cs,p,pt
$K^*(892)^0$ X		
80 – 140	Apsimon 93	angp,p,pt
	Gebert 92	cs,p,pt
$\overline{K}^*(892)^0$ X		
80 – 140	Apsimon 93	angp,p,pt
	Gebert 92	cs,p,pt
$\phi(1020)$ X		
80 – 140	Apsimon 93	angp,p,pt
	Gebert 92	cs,p,pt
Λ X		
3.6 – 6.2	Bulekov 94	p,pol,pt
4.23	Amelin 92	mass,p,pol,pt
250	Agababyan 90B	angp,p
charged (chargeds) X		
250	Agababyan 94	cor,p,pt
	Agababyan 94D	ang,col,p,pt
2charged X		
250	Agababyan 95D	ang,cor,p
	Agababyan 94B	ang,col
	Agababyan 94C	col,cor
	Agababyan 93C	col,cor,mass
	Ajinenko 93	ang,cor,p,pt
2charged$^+$ X		
250	Agababyan 95D	ang,cor,p
	Agababyan 94B	ang,col
	Agababyan 94C	col,cor
	Ajinenko 94	ang,col,cor,mass,pt
	Agababyan 93C	col,cor,mass
	Ajinenko 93	ang,cor,p,pt
	Charlet 93	col
	Kittel 93	col
	Aivazyan 91	cor,p
charged$^+$ charged$^-$ X		
250	Agababyan 95D	ang,cor,p
	Agababyan 94B	ang,col
	Agababyan 94C	col,cor

$\pi^+ p$

charged$^+$ charged$^-$ X		
	Ajinenko 94	ang,col,cor,mass,pt
	Agababyan 93C	col,cor,mass
	Ajinenko 93	ang,cor,p,pt
	Charlet 93	col
	Kittel 93	col
	Aivazyan 91	cor,p
2charged$^-$ X		
250	Agababyan 95D	ang,cor,p
	Agababyan 94B	ang,col
	Agababyan 94C	col,cor
	Ajinenko 94	ang,col,cor,mass,pt
	Agababyan 93C	col,cor,mass
	Ajinenko 93	ang,cor,p,pt
	Charlet 93	col
	Kittel 93	col
	Aivazyan 91	cor,p
2γ X		
250	Atayan 91	mass
DD $<$ mult[charged] (neutrals) $>$ π^+		
250	Begalli 92	mass,mult
$\pi^+\ \pi^-$ X		
80 – 140	Fiedler 91	mass
$2\pi^-$ X		
250	Agababyan 95B	ang,cor,p,pt
	Agababyan 95C	ang,cor,p,pt
	Agababyan 93	angp,cor
$K^+\ \pi^-$ X		
80 – 140	Gebert 92	mass
$K^-\ \pi^+$ X		
80 – 140	Gebert 92	mass
$K^+\ K^-$ X		
80 – 140	Gebert 92	mass
DD $<$ mult[charged] (neutrals) $>$ p		
250	Begalli 92	mass,mult
2charged (chargeds) X		
250	Agababyan 93C	angp,col,p,pt
	Charlet 93	col
	Kittel 93	col
3charged X		
250	Agababyan 94B	ang,col
	Agababyan 94C	col,cor
	Agababyan 93C	col,cor,mass
3charged$^+$ X + 3charged$^-$ X		
250	Agababyan 94C	col,cor
3charged$^+$ X		
250	Agababyan 94B	ang,col
	Ajinenko 94	cor,mass
	Agababyan 93C	col,cor,mass
2charged$^+$ charged$^-$ X		
250	Agababyan 94B	ang,col
	Ajinenko 94	cor,mass
charged$^+$ 2charged$^-$ X		
250	Agababyan 94B	ang,col
	Ajinenko 94	cor,mass
3charged$^-$ X		
250	Agababyan 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 $p_{\rm lab}$ in GeV/c, or in parentheses $E_{\rm cm}$ in GeV.

$\pi^+ p$

3charged$^-$ X

	Agababyan 93C	col,cor,mass

DD < charged (chargeds) (neutrals) > π^+

250	Begalli 92	mass,mult

$2\pi^-$ mult[charged] X

250	Agababyan 93	angp,cor,mult

DD < charged (chargeds) (neutrals) > p

250	Begalli 92	mass,mult

$p\ \pi^+$ mult[charged] (neutrals)

250	Agababyan 93B	cs,mass,mult,p,pt

$\Lambda\ K\ \pi$ X

3.6 – 4.2	Drutskoi 93	mass,pol

$\Sigma^+\ K\ \pi$ X

3.6 – 4.2	Drutskoi 93	mass,pol

4charged X

250	Agababyan 94B	ang,col
	Agababyan 94C	col,cor

4charged$^+$ X + 4charged$^-$ X

250	Agababyan 94C	col,cor

4charged$^+$ X

250	Agababyan 94B	ang,col

3charged$^+$ charged$^-$ X

250	Agababyan 94B	ang,col

2charged$^+$ 2charged$^-$ X

250	Agababyan 94B	ang,col

charged$^+$ 3charged$^-$ X

250	Agababyan 94B	ang,col

4charged$^-$ X

250	Agababyan 94B	ang,col

5charged X

250	Agababyan 94B	ang,col
	Agababyan 94C	col,cor

5charged$^+$ X

250	Agababyan 94B	ang,col

4charged$^+$ charged$^-$ X

250	Agababyan 94B	ang,col

3charged$^+$ 2charged$^-$ X

250	Agababyan 94B	ang,col

2charged$^+$ 3charged$^-$ X

250	Agababyan 94B	ang,col

charged$^+$ 4charged$^-$ X

250	Agababyan 94B	ang,col

5charged$^-$ X

250	Agababyan 94B	ang,col

$p\ \pi^+$

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

$\pi^+ p$

$p\ \pi^+$

0.427 – 0.657	Supek 93	angp,asym,pol
1.43	Abaev 95	angp,asym,pol
	Alekseev 95	angp,asym,pol
< 2.135	Arndt 91	pwa
5.9	White 94B	angp
6	Appel 91	cs
10	Appel 91	cs
147	Fuess 94C	angp

DD < p > π^+

147	Fuess 94C	angp,cs

DD < π^+ > p

147	Fuess 94C	angp,cs

$p\ \rho^+$

5.9	White 94B	angp
6	Appel 91	cs
10	Appel 91	cs

$p\ a_1(1260)^+$

4.2	Brovkin 91B	cs

$p\ a_2(1320)^+$

4.2	Brovkin 91B	cs

$N(1440\,B)^+\ \pi^+$

4.2	Brovkin 91B	cs

$\Delta(1232\,P_{33})^{++}\ \pi^0$

20	Perepelitsa 90	angp,cs,p

$\Delta(1232\,P_{33})^+\ \pi^+$

5.9	White 94B	angp
6	Appel 91	cs
10	Appel 91	cs

$\Delta(1232\,P_{33})^{++}\ \rho^0$

3.94	Landsberg 94C	cs
4	Abramov 91	cs
	Brovkin 91C	cs
4.2	Brovkin 91B	cs
20	Perepelitsa 90	angp,cs,dme,p

$\Delta(1232\,P_{33})^{++}\ \omega$

20	Perepelitsa 90	angp,cs,dme,p

$\Delta(1232\,P_{33})^{++}\ f_2(1270)$

3.94	Landsberg 94C	cs
4	Abramov 91	cs
4.2	Brovkin 91B	cs
20	Perepelitsa 90	angp,cs,dme,p

$\Delta(1232\,P_{33})^{++}\ \rho_3(1690)^0$

20	Perepelitsa 90	angp,cs,dme,p

$\Delta(1700\,D_{33})^+\ \pi^+$

4.2	Brovkin 91B	cs

$\Sigma^+\ K^+$

3.6 – 4.2	Batusov 93	mass,pol,pt

$\Sigma^+\ K^*(892)^+$

3.6 – 4.2	Batusov 93	cor

$N^*_{5/2}(1480)^{+++}\ \pi^-$

3.94	Landsberg 94C	cs

$N^*_{5/2}(1760)^+\ \pi^+$

4.2	Brovkin 92	cs,mass

$N^*_{5/2}(\text{unspec})^{+++}\ \pi^-$

4	Abramov 91	cs
	Brovkin 91C	cs

$p\ \pi^+\ \pi^0$

0.2986 – 0.3744	Pocanic 94	cs,mass

$n\ 2\pi^+$

0.2875 – 0.3096	Sevior 93	amp,cs,pwa
	Sevior 91	cs

$\pi^+ p$

$n\ 2\pi^+$

0.3957	Sossi 91	angp

$p\ \rho^0\ \pi^+$

4	Abramov 91	cs
4.2	Brovkin 91B	cs
20	Perepelitsa 91	angp,cs,dme

$p\ \omega\ \pi^+$

4.2	Brovkin 92	cs,mass

$p\ f_2(1270)\ \pi^+$

4	Abramov 91	cs
20	Perepelitsa 91	angp,cs,dme

$p\ f_1(1420)\ \pi^+$

85	Armstrong 92	cs

$p\ \rho_3(1690)^0\ \pi^+$

20	Perepelitsa 91	angp,cs,dme

$N(1440\,B)^0\ 2\pi^+$

4.2	Brovkin 91B	cs

$N(1700\,B)^0\ 2\pi^+$

4.2	Brovkin 91B	cs

$\Delta(1232\,P_{33})^{++}\ \pi^+\ \pi^-$

4	Abramov 91	cs
4.2	Brovkin 91B	cs

$\Delta(1232\,P_{33})^0\ 2\pi^+$

4.2	Brovkin 91B	cs

$\Lambda\ K^+\ \pi^+$

4.23	Amelin 92	cs

$\Sigma^+\ K^+\ \pi^0$

3.6 – 4.2	Batusov 93	mass,pol,pt

$\Sigma^+\ K^0\ \pi^+$

3.6 – 4.2	Batusov 93	mass,pol,pt

$\Sigma^+\ K^*(892)^+\ \pi^0$

3.6 – 4.2	Batusov 93	cor

$\Sigma^+\ K^*(892)^0\ \pi^+$

3.6 – 4.2	Batusov 93	cor

$N^*_{5/2}(1480)^{+++}\ \pi^0\ \pi^-$

3.94	Landsberg 94C	cs

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

250	Agababyan 93B	cs,mass,p,pt

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

3.94	Landsberg 94C	mass
4	Abramov 91	mass
	Brovkin 91C	cs,mass
4.2	Brovkin 91B	cs,mass
20	Perepelitsa 91	mass,p
85	Armstrong 91	amp,mass,p
250	Agababyan 93B	cs,mass,p,pt
	Atayan 90	angp,cs,mass,p

$\Delta(1700\,D_{33})^-\ 3\pi^+$

4.2	Brovkin 94	cs,mass

$\Lambda\ K^+\ \pi^+\ \pi^0$

4.23	Amelin 92	cs

$\Lambda\ K^0\ 2\pi^+$

4.23	Amelin 92	cs

$\Sigma^+\ K^+\ \pi^+\ \pi^-$

3.6 – 4.2	Batusov 93	mass,pol,pt

$\Sigma^+\ K^0\ \pi^+\ \pi^0$

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

$\pi^+ p$

$p\, 2\pi^+ \pi^0 \pi^-$			
		Brovkin 91B	cs,mass
	85	Armstrong 91	amp,mass,p
$n\, 3\pi^+ \pi^-$			
	4.2	Brovkin 91B	cs,mass
$p\, K^+ K_S\, \pi^+ \pi^-$			
	85	Armstrong 92	mass
$p\, K_S\, K^-\, 2\pi^+$			
	85	Armstrong 92	mass
$\Lambda\, K^+\, 2\pi^+ \pi^-$			
	4.23	Amelin 92	cs
$\Lambda\, K^0\, 2\pi^+ \pi^0$			
	4.23	Amelin 92	cs
$\Sigma^+ K^+ \pi^+ \pi^0 \pi^-$			
	3.6 – 4.2	Batusov 93	mass,pol,pt
$\Sigma^+ K^0\, 2\pi^+ \pi^-$			
	3.6 – 4.2	Batusov 93	mass,pol,pt
$N^*_{5/2}(\text{unspec})^{--}\, 4\pi^+$			
	4.2	Brovkin 94	cs,mass
$n\, 4\pi^+\, 2\pi^-$			
	4.2	Brovkin 94	cs,mass

$\pi^+ n$

p meson^0			
	5.98 – 11.85	Svec 92	cs
p glueball			
	5.98 – 11.85	Svec 92	cs
$\Lambda\, K^+$			
	1.07	Ajimura 92	angp,pol
	1.97	Abramov 91D	angp,p,pol
$p\, \pi^+ \pi^-$			
	5.98	Svec 93	angp,dme,mass
	5.98 – 11.85	Svec 93B	mass,pwa
		Svec 92	mass,pwa
		Svec 91	pwa

$\pi^+ \Delta(1232\, P_{33})^{++}$

$N^*_{5/2}(\text{unspec})^{+++}$			
	4	Brovkin 91C	cs
nonres < $\Delta(1232\, P_{33})^{++}\, \pi^+$ >			
	4	Brovkin 91C	cs

π^+ nucleus

mult[charged] X			
	200	Schmitz 91	col,p
charged X			
	100 – 200	Geist 91	a-dep,mult
ρ^0 X			
	100	Walker 91	mult
ω X			
	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
$\overline{D}^0$ 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
$\pi^+ \pi^-$ mult[grey] X			
	100	Walker 91	mass

π^+ nucleus

nucleus π^-			
	> 0.06642	Johnson 93	angp,cs
	< 0.4168	Bilger 93	angp,cs

π^+ deuteron

X			
	0.1161 – 0.1496	Saunders 96	a-dep,cs
inelastic			
	0.1161 – 0.1496	Saunders 96	a-dep,cs
	0.1904	Khandaker 91	cs
π^+ X			
	0.1904	Khandaker 91	angp,p
π^0 X			
	0.6242	Peterson 95	angp
η X			
	10.64	Budagov 91	a-dep,p,pt
dibaryon			
	(2.115 – 3.02)	Strakovskii 91	cs
$2p$			
	0 – 0.6242	Arndt 93	angp,cor,cs,pwa
	0.03235 – 0.07838	Ritchie 93B	angp,cs
		Ritchie 91	angp,cs,p
	0.0871 – 0.1496	Yeomans 94	ang,angp,p,pol
	0.0899 – 0.1122	Gogolev 93	cs
	0.2008 – 0.3691	Feltman 91	pol
	(2.115 – 3.02)	Strakovskii 91	pwa
	0.2165 – 0.3519	Alteholz 94	cs,p
	0.2177	Salvisberg 92	angp,cs
	0.2189 – 0.3637	Maytalbeck 92	pol
	0.2537 – 0.4168	Jones 93	p
	0.32 – 0.4278	Prokofiev 95	angp,asym,pol
	0.4693 – 0.5728	Bazhanov 91	angp,cs,p,pol
deuteron π^+			
	0.0963 – 0.1496	Kohler 93	angp
	0.1268	Kohler 94	angp,asym,pol
	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
$p\, n\, \pi^+$			
	0.2353 – 0.34	Yeomans 95	angp,asym,p
$2p\, \pi^+ \pi^-$			
	0.3957	Camerini 93	cor,mass
		Sossi 92	angp,p
		Sossi 91	angp

$\pi^+\, {}^3\text{H}$

deuteron p			
	0.2177 – 0.4168	Salvisberg 92	angp,cs
${}^3\text{H}\, \pi^+$			
	0.2445 – 0.3701	Matthews 95	angp
${}^3\text{He}\, \pi^0$			
	0.2445	Dowell 95B	angp
$2p\, n$			
	0.2177 – 0.4168	Salvisberg 92	angp,cs,cs,p

$\pi^+\, {}^3\text{He}$

inelastic			
	0.1904	Khandaker 91	cs
π^+ X			
	0.1904	Khandaker 91	angp,p
π^0 X			
	0.3584	Dowell 95	angp,p
$p\, \pi^0$ X			
	0.3584	Dowell 95	angp,p
${}^3\text{He}\, \pi^+$			
	0.1904	Khandaker 91	angp,cs
	0.1947	Hausser 91	angp,asym
	0.2445 – 0.3701	Matthews 95	angp
$3p$			
	0.1082	Hahn 94	angp,cs
	0.2165 – 0.3519	Alteholz 94	cs,p
	0.2189 – 0.3637	Maytalbeck 92	pol

$\pi^+\, {}^4\text{He}$

inelastic			
	0.1904	Khandaker 91	cs
π^+ X			
	0.1904	Khandaker 91	angp,p
p X			
	0.2189 – 0.3637	Aclander 93	pol
$\pi^+ \pi^-$ X			
	0.3957	Camerini 93	cor,mass
		Vetterli 92	angp,cs,p
$2p\, 0\pi^+$ X			
	1	Nagae 94	angp
$2p$ X			
	0.2189 – 0.3637	Aclander 93	p,pol
	0.6242	Smith 93B	angp,cs,mass,p
	1	Nagae 94	mass
$p\, n\, 0\pi^+$ X			
	1	Nagae 94	angp
$p\, n$ X			
	1	Nagae 94	mass
${}^4\text{He}\, \pi^+$			
	0.1904	Khandaker 91	angp,cs
deuteron $2p$			
	0.1482 – 0.4452	Breuer 94	angp,cs
${}^3\text{H}\, p\, \pi^+$			
	0.2875	Langenbrunne 92	angp
$3p\, n$			
	0.2707	Weber 90	cor,cs,p
	0.6242	Smith 93B	angp,cs,mass,p

π^+ He

$\pi^+ \pi^-$ X			
	0.3957	Bonutti 93	cs

π^+ Li

meson X			
	300	Antoniazzi 94B	cs
π^+ X			
	0.6242	Wise 93	a-dep
η X			
	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

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π^+ Li

$J/\psi(1S)\ \pi^-$ X
300 Antoniazzi 94B mass

$\psi(2S)\ \pi^+$ X
300 Antoniazzi 94B mass

$\psi(2S)\ \pi^-$ X
300 Antoniazzi 94B mass

$\mu^-\ \mu^+\ \gamma$ X
300 Garbincius 94 mass

$J/\psi(1S)\ 2\pi^+$ X
300 Antoniazzi 94B mass

$J/\psi(1S)\ \pi^+\ \pi^0$ X
300 Antoniazzi 94B mass

$J/\psi(1S)\ \pi^+\ \pi^-$ X
300 Antoniazzi 94B mass

$J/\psi(1S)\ \pi^0\ \pi^-$ X
300 Antoniazzi 94B mass

$J/\psi(1S)\ 2\pi^-$ X
300 Antoniazzi 94B mass

π^+ ^{6}Li

X
0.1161 – 0.1496
Saunders 96 a-dep,cs

inelastic
0.1161 – 0.1496
Saunders 96 a-dep,cs

Λ X
1.07 Kishimoto 94 angp,pol

$K^+\ \pi^-$ X
1.07 Kishimoto 94 angp,p

^{4}He $2p$
0.1947 – 0.2707
Papandreou 95B angp,cs

π^+ ^{7}Li

$J/\psi(1S)$ X
300 Sansoni 95 cs
Antoniazzi 92 cs,mass
Antoniazzi 92B cs,p,pt

$\chi_{c1}(1P)$ X
300 Sansoni 95 cs
Antoniazzi 94 cs,p
Antoniazzi 92 cs

$\chi_{c2}(1P)$ X
300 Sansoni 95 cs
Antoniazzi 94 cs,p
Antoniazzi 92 cs

$\psi(2S)$ X
300 Sansoni 95 cs
Antoniazzi 92 cs
Antoniazzi 92B cs

$\mu^-\ \mu^+$ X
300 Sansoni 95 mass
Antoniazzi 92 mass
Antoniazzi 92B mass

$J/\psi(1S)\ \gamma$ X
300 Sansoni 95 mass
Antoniazzi 94 mass
Antoniazzi 92 mass

$\mu^-\ \mu^+\ \gamma$ X
300 Sansoni 95 mass
Antoniazzi 94 mass
Antoniazzi 92 mass

^{7}Li* π^+ + ^{7}Li π^+
0.2353 – 0.302 Meier 94 angp,p,pol

π^+ Be

η X
10.64 Budagov 91 a-dep,p,pt

K_S X
11.2 Akimenko 92 a-dep,angp,p,pt

π^+ Be

$D^\pm$ X
250 Alves 93B p,pt

D^+ X
250 Appel 94 cs,p
Spiegel 91 a-dep

D^0 X
250 Spiegel 91 a-dep

D^- X
250 Appel 94 cs,p

$D^*(2010)^\pm$ X
250 Gardner 95 mass
Alves 93 mass
Alves 93B p,pt

D_s^+ X
250 Appel 94 cs,p

D_s^- X
250 Appel 94 cs,p

$K^+\ 2\pi^-$ X
250 Appel 94 mass

$K^-\ 2\pi^+$ X
250 Appel 94 mass

$K^+\ K^-\ \pi^+$ X
250 Appel 94 mass

$K^+\ K^-\ \pi^-$ X
250 Appel 94 mass

π^+ ^{9}Be

^{9}Be$_s$ K^+
1.048 Pile 91 angp,p

π^+ Bor

Bor$_s$ K^+
1.06 Hasegawa 96 angp,cs,mass

π^+ ^{10}Bor

^{10}Bor$_s$ K^+
1.06 Nagae 95 angp

π^+ ^{11}Bor

$\Lambda\ K^+$ X
1 Olin 91 angp,pol

^{11}Bor$_s$ K^+
1 Olin 91 angp,p
1.05 Noumi 95 cs

π^+ C

X
0.1161 – 0.1496
Saunders 96 a-dep,cs

inelastic
0.0963 Friedman 91B cs
0.1161 – 0.1496
Saunders 96 a-dep,cs

π^+ X
0.6242 Wise 93 angp,p
Zumbro 93 angp

π^0 X
0.6242 Peterson 92 angp,p

Λ X
3 Smirnitsky 91 pol
Vorobiev 91 a-dep,angp,p,pol

$2p$ X
0.08907 – 0.1114
Akimov 92 cs,p

π^+ ^{12}C

π X
0.3637 – 0.6242
Jones 93 cs

K^+ X
1.05 Ajimura 94 angp,mass,p

π^+ ^{12}C

Λ X
1.07 Kishimoto 94 angp,pol
4 Nakai 91 angp,p

2neutral X
0.3637 – 0.6242
Jones 93 cs

$K^+\ \pi^-$ X
1.07 Kishimoto 94 angp,p
Ajimura 92 angp,p

$p\ \pi$ X
0.3637 – 0.6242
Jones 93 angp

$2p$ 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

$\Lambda\ K^+$ X
1 Olin 91 angp,pol
1.07 Akei 91 angp,p

deuteron p X
0.3637 – 0.6242
Jones 93 cs,p

3neutral X
0.3637 – 0.6242
Jones 93 cs

2hadron (hadrons) X
0.3637 – 0.6242
Jones 93 cs

p 2neutral X
0.3637 – 0.6242
Jones 93 cs

$2p$ neutral X
0.3637 – 0.6242
Jones 93 cs,p

$2p\ \pi$ X
0.3637 – 0.6242
Jones 93 cs

$3p$ X
0.3637 – 0.6242
Jones 93 cs,p

deuteron $2p$ X
0.3637 – 0.6242
Jones 93 cs,p

$2p$ 2neutral X
0.3637 – 0.6242
Jones 93 cs

^{12}C$_s$ K^+
1 Olin 91 angp,p
1.048 Pile 91 angp,p
1.05 Kishimoto 95 cs,p,pol
Noumi 95 cs
Ajimura 94 cs
Ajimura 92B angp,p
1.06 Hasegawa 96 angp,cs,mass
Hasegawa 95 cs,p
Nagae 95 angp
1.07 Akei 91 angp,p

^{12}Nit π^0
0.08801 Hanna 94 angp,p

π^+ ^{13}C

π^0 X
0.2685 Gorgen 91 angp,asym

^{13}C π^+
0.1947 Brack 91 angp,pol
0.2117 – 0.3433
Yen 91B angp,asym

^{13}Nit π^0
0.08801 Hanna 94 angp,p

π^+ O

$\pi^+\ \pi^-$ X
0.3957 Bonutti 93 cs

$\pi^+\ ^{16}O$

p X
0.2129 – 0.2707 Hyman 92 angp,p

$\pi^+\ \pi^-$ X
0.3957 Camerini 93 cor,mass

$^{16}O\ \pi^+$
0.2122 – 0.268 Hyman 92 angp

$^{16}O_s\ K^+$
1.048 Pile 91 angp,p

$^{16}Ne\ \pi^-$
0.3259 – 0.3744 Beatty 93 angp
0.4168 – 0.6242 Beatty 93C angp,p

$^{14}Nit\ 2p$
0.2129 – 0.2707 Hyman 92 ang,angp,cs,p

$^{14}Nit^*\ 2p$
0.2129 – 0.2707 Hyman 92 ang,angp,cs,p

$\pi^+\ ^{18}O$

$^{18}Ne\ \pi^-$
0.4693 – 0.5625 Johnson 93B angp,p

$\pi^+\ ^{20}Ne$

$^{20}Ne^*\ \pi^+$
0.2189 – 0.2875 Burlein 95 angp,cs,p

π^+ Mg

π^+ X
100 Whitmore 94 mult,p,pt

π^- X
100 Whitmore 94 mult,p,pt

K^0 X + $\overline{K}^0$ X
200 Brick 92 a-dep,cs,mult,p

p X
100 Whitmore 94 mult,p

Λ X
200 Brick 92 a-dep,cs,mult,p

$\overline{\Lambda}$ X
200 Brick 92 a-dep,cs,mult,p

$\pi^+\ ^{26}Mg$

$^{26}Mg^*\ \pi^+$
0.2673 Clausen 93 angp,cs,p

π^+ Al

X
0.1161 – 0.1496 Saunders 96 a-dep,cs

inelastic
0.1161 – 0.1496 Saunders 96 a-dep,cs

mult[charged] X
250 Botterweck 90 mult,p

mult[charged] (neutrals)
250 Botterweck 92 mult

mult[π^-] X
250 Agababyan 92 mult

mult[deuteron] X
250 Agababyan 91B angp,mult,p

mult[grey] X
250 Agababyan 92 mult

charged X
250 Agababyan 92 p

π^+ Al

charged$^+$ X
250 Yandarbiev 93 p
Agababyan 90C angp,p,pt

charged$^-$ X
250 Yandarbiev 93 p,pt
Agababyan 90C angp,p,pt

grey X
250 Agababyan 92 a-dep,angp

π^+ X
0.6242 Wise 93 a-dep

η X
10.64 Budagov 91 a-dep,p,pt

K_S X
250 Botterweck 92 a-dep,cs,mult,p,pt

$D^\pm$ X
250 Alves 93B p,pt

D^+ X
250 Appel 94 cs,p
Spiegel 91 a-dep

D^0 X
250 Spiegel 91 a-dep

D^- X
250 Appel 94 cs,p

$D^*(2010)^\pm$ X
250 Gardner 95 mass
Alves 93 mass
Alves 93B p,pt

D_s^+ X
250 Appel 94 cs,p

D_s^- X
250 Appel 94 cs,p

p X
250 Agababyan 95 angp,mult,p,pt
Agababyan 92 p
Botterweck 92 mult

Λ X
250 Botterweck 92 a-dep,cs,mult,p,pt

mult[charged$^+$] mult[charged$^-$] X
250 Agababyan 92 mult

mult[p] mult[charged] X
250 Agababyan 91B angp,mult,p

mult[deuteron] mult[charged] X
250 Agababyan 91B angp,mult,p

mult[deuteron] mult[p] X
250 Agababyan 91B angp,mult,p

charged$^-$ mult[charged$^-$] X
250 Agababyan 90C cor,mult,pt

mult[grey] charged X
250 Agababyan 92 mult,p

mult[grey] charged$^-$ X
250 Agababyan 90C cor,mult,p

2charged X
250 Botterweck 90 cor,p

2charged$^+$ X
250 Botterweck 90 cor,p

2charged$^-$ X
250 Botterweck 90 cor,p

π^- mult[grey] X
250 Agababyan 92 mult,p

π^+ Al

$2\pi^-$ X
250 Agababyan 95B ang,cor,p,pt

ρ^0 mult[grey] X
250 Ajinenko 92 mult

K_S mult[charged$^-$] X
250 Botterweck 92 mult

$2K_S$ X
250 Botterweck 92 cs

$K^*(892)^0$ mult[grey] X
250 Ajinenko 92 mult

$\overline{K}^*(892)^0$ mult[grey] X
250 Ajinenko 92 mult

$2p$ X
250 Agababyan 95 angp,cs,p

Λ mult[charged$^-$] X
250 Botterweck 92 mult

$\Lambda\ K_S$ X
250 Botterweck 92 cs

2Λ X
250 Botterweck 92 cs

p fragt X
250 Agababyan 95 angp,cs,p

$\pi^+\ \pi^-$ mult[grey] X
250 Ajinenko 92 mass,mult

(K_S's) K_S mult[charged] (neutrals)
250 Botterweck 92 mult

mult[p] K_S charged$^-$ X
250 Botterweck 92 mult

$K^+\ \pi^-$ mult[grey] X
250 Ajinenko 92 mass,mult

$K^-\ \pi^+$ mult[grey] X
250 Ajinenko 92 mass,mult

$K^+\ 2\pi^-$ X
250 Appel 94 mass

$K^-\ 2\pi^+$ X
250 Appel 94 mass

$K^+\ K^-\ \pi^+$ X
250 Appel 94 mass

$K^+\ K^-\ \pi^-$ X
250 Appel 94 mass

p (K_S's) K_S X
250 Botterweck 92 mult

Λ (Λ's) mult[charged] (neutrals)
250 Botterweck 92 mult

mult[p] Λ charged$^-$ X
250 Botterweck 92 mult

$p\ \Lambda$ (Λ's) X
250 Botterweck 92 mult

$\pi^+\ ^{27}Al$

$^{27}Fl\ \pi^-$
0.1947 – 0.4099 Mckinzie 94 angp,p

π^+ Si

X
0.1161 – 0.1496 Saunders 96 a-dep,cs

inelastic
0.1161 – 0.1496 Saunders 96 a-dep,cs

$\pi^+\ ^{28}Si$

$^{28}Si\ \pi^+$
0.3749 Rawoolsulliv 94 angp

$^{28}Si_s\ K^+$
1.048 Pile 91 angp,p

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$\pi^+ \, ^{28}$Si

^{28}Si$_s$ K^+
1.06 Hasegawa 96 angp,cs,mass
Nagae 95 angp

π^+ S

X
0.1161 – 0.1496 Saunders 96 a-dep,cs

inelastic
0.1161 – 0.1496 Saunders 96 a-dep,cs

π^+ Ca

X
0.1161 – 0.1496 Saunders 96 a-dep,cs

inelastic
0.1161 – 0.1496 Saunders 96 a-dep,cs

π^+ X
0.6242 Wise 93 angp

$\pi^+ \, ^{40}$Ca

^{40}Ca$_s$ K^+
1.048 Pile 91 angp,p

π^+ Ti

$2p$ π^+ X
1.4 Bayukov 94 angp,cor,p

$2\pi^\pm$ fragt X
1.39 Bayukov 91 p

π^+ π^- fragt X
1.39 Bayukov 91 p

$\pi^+ \, ^{51}$Va

^{51}Va$_s$ K^+
1.048 Pile 91 angp,p

$\pi^+ \, ^{56}$Fe

Λ K^+ X
1.07 Akei 91 angp,p

^{56}Fe$_s$ K^+
1.07 Akei 91 angp,p

^{56}Ni π^-
0.5212 Smith 93C angp,p

π^+ Fe

$2p$ π^+ X
1.4 Bayukov 94 angp,cor,p

$2\pi^\pm$ fragt X
1.39 Bayukov 91 p

π^+ π^- fragt X
1.39 Bayukov 91 p

$\pi^+ \, ^{58}$Ni

π X
0.3637 – 0.6242 Jones 93 cs

2neutral X
0.3637 – 0.6242 Jones 93 cs

p π X
0.3637 – 0.6242 Jones 93 angp

$2p$ X
0.3637 – 0.6242 Jones 93 cs,p

deuteron p X
0.3637 – 0.6242 Jones 93 cs,p

3neutral X
0.3637 – 0.6242 Jones 93 cs

$\pi^+ \, ^{58}$Ni

2hadron (hadrons) X
0.3637 – 0.6242 Jones 93 cs

p 2neutral X
0.3637 – 0.6242 Jones 93 cs

$2p$ neutral X
0.3637 – 0.6242 Jones 93 cs,p

$2p$ π X
0.3637 – 0.6242 Jones 93 cs

$3p$ X
0.3637 – 0.6242 Jones 93 cs,p

deuteron $2p$ X
0.3637 – 0.6242 Jones 93 cs,p

$2p$ 2neutral X
0.3637 – 0.6242 Jones 93 cs

^{58}Ni π^+
0.2875 Laymon 96 a-dep,angp,dme

^{58}Ni* π^+
0.2875 Laymon 96 a-dep,angp,dme

^{58}Zn π^-
0.2189 – 0.4084 Fortune 94 angp,cs

π^+ Ni

inelastic
0.0963 Friedman 91B cs

$\pi^+ \, ^{60}$Ni

^{60}Ni π^+
0.2875 Laymon 96 a-dep,angp,dme

^{60}Ni* π^+
0.2875 Laymon 96 a-dep,angp,dme

$\pi^+ \, ^{62}$Ni

^{62}Ni π^+
0.2875 Laymon 96 a-dep,angp,dme

^{62}Ni* π^+
0.2875 Laymon 96 a-dep,angp,dme

$\pi^+ \, ^{64}$Ni

^{64}Ni π^+
0.2875 Laymon 96 a-dep,angp,dme

^{64}Ni* π^+
0.2875 Laymon 96 a-dep,angp,dme

π^+ Cu

η X
10.64 Budagov 91 a-dep,p,pt

K_S X
11.2 Akimenko 92 a-dep,angp,p,pt

$D^\pm$ X
250 Alves 93B p,pt

D^+ X
250 Appel 94 cs,p
Spiegel 91 a-dep

D^0 X
250 Spiegel 91 a-dep

D^- X
250 Appel 94 cs,p

π^+ Cu

$D^*(2010)^\pm$ X
250 Gardner 95 mass
Alves 93 mass
Alves 93B p,pt

D_s^+ X
250 Appel 94 cs,p

D_s^- X
250 Appel 94 cs,p

K^+ $2\pi^-$ X
250 Appel 94 mass

K^- $2\pi^+$ X
250 Appel 94 mass

K^+ K^- π^+ X
250 Appel 94 mass

K^+ K^- π^- X
250 Appel 94 mass

$\pi^+ \, ^{76}$Se

^{76}Kr π^-
0.4097 Hui 95 a-dep,cs,p

π^+ Se

Kr π^-
0.232 – 0.302 Hui 94 angp,cs,p

$\pi^+ \, ^{78}$Se

^{78}Kr π^-
0.4097 Hui 95 a-dep,cs,p

$\pi^+ \, ^{80}$Se

^{80}Kr π^-
0.4097 Hui 95 a-dep,cs,p

$\pi^+ \, ^{82}$Se

^{82}Kr π^-
0.4097 Hui 95 a-dep,cs,p

$\pi^+ \, ^{89}$Yt

^{89}Yt$_s$ K^+
1.048 Pile 91 angp,p
1.06 Hasegawa 96 angp,cs,mass
Nagae 95 angp

$\pi^+ \, ^{90}$Zr

π X
0.3637 – 0.6242 Jones 93 cs

2neutral X
0.3637 – 0.6242 Jones 93 cs

$2p$ X
0.3637 – 0.6242 Jones 93 cs,p

deuteron p X
0.3637 – 0.6242 Jones 93 cs,p

3neutral X
0.3637 – 0.6242 Jones 93 cs

2hadron (hadrons) X
0.3637 – 0.6242 Jones 93 cs

p 2neutral X
0.3637 – 0.6242 Jones 93 cs

$2p$ neutral X
0.3637 – 0.6242 Jones 93 cs,p

$2p$ π X
0.3637 – 0.6242 Jones 93 cs

$3p$ X
0.3637 – 0.6242 Jones 93 cs,p

$\pi^+ \, ^{90}$Zr

deuteron $2p$ X
0.3637 – 0.6242
Jones 93 cs,p
$2p$ 2neutral X
0.3637 – 0.6242
Jones 93 cs

π^+ Zr

π^+ X
0.6242 Wise 93 angp
π^0 X
0.6242 Peterson 92 angp,p

$\pi^+ \, ^{93}$Nb

^{93}Tc* π^-
0.2696 – 0.4102
Kagarlis 94 angp,p

π^+ Ag

π^+ X
100 Whitmore 94 mult,p,pt
π^- X
100 Whitmore 94 mult,p,pt
K^0 X + $\overline{K}^0$ X
200 Brick 92
a-dep,cs,mult,p
p X
100 Whitmore 94 mult,p
Λ X
200 Brick 92
a-dep,cs,mult,p
$\overline{\Lambda}$ X
200 Brick 92
a-dep,cs,mult,p

$\pi^+ \, ^{118}$Sn

π X
0.3637 – 0.6242
Jones 93 cs
2neutral X
0.3637 – 0.6242
Jones 93 cs
$2p$ X
0.3637 – 0.6242
Jones 93 cs,p
deuteron p X
0.3637 – 0.6242
Jones 93 cs,p
3neutral X
0.3637 – 0.6242
Jones 93 cs
2hadron (hadrons) X
0.3637 – 0.6242
Jones 93 cs
p 2neutral X
0.3637 – 0.6242
Jones 93 cs
$2p$ neutral X
0.3637 – 0.6242
Jones 93 cs,p
$2p$ π X
0.3637 – 0.6242
Jones 93 cs
$3p$ X
0.3637 – 0.6242
Jones 93 cs,p
deuteron $2p$ X
0.3637 – 0.6242
Jones 93 cs,p
$2p$ 2neutral X
0.3637 – 0.6242
Jones 93 cs

π^+ Sn

π^+ X
0.6242 Wise 93 a-dep

π^+ Xe

nucleus (p's) π^+
2.34 – 9 Strugalskago 94
cs,mult
nucleus p (p's)
2.34 – 9 Strugalskago 94 cs

$\pi^+ \, ^{139}$La

^{139}La$_s$ K^+
1.06 Hasegawa 96
angp,cs,mass
Nagae 95 angp

π^+ Ta

π^+ X
0.6242 Wise 93 a-dep

π^+ Wt

$D^\pm$ X
250 Alves 93B p,pt
D^+ X
250 Appel 94 cs,p
Spiegel 91 a-dep
D^0 X
250 Spiegel 91 a-dep
D^- X
250 Appel 94 cs,p
$D^*(2010)^\pm$ X
250 Gardner 95 mass
Alves 93 mass
Alves 93B p,pt
D_s^+ X
250 Appel 94 cs,p
D_s^- X
250 Appel 94 cs,p
K^+ $2\pi^-$ X
250 Appel 94 mass
K^- $2\pi^+$ X
250 Appel 94 mass
K^+ K^- π^+ X
250 Appel 94 mass
K^+ K^- π^- X
250 Appel 94 mass

π^+ Au

mult[charged] X
250 Botterweck 90 mult,p
mult[charged] (neutrals)
250 Botterweck 92 mult
mult[π^-] X
250 Agababyan 92 mult
mult[deuteron] X
250 Agababyan 91B
angp,mult,p
mult[grey] X
250 Agababyan 92 mult
charged X
250 Agababyan 92 p
charged$^+$ X
250 Yandarbiev 93 p
Agababyan 90C
angp,p,pt
charged$^-$ X
250 Yandarbiev 93 p,pt
Agababyan 90C
angp,p,pt
grey X
250 Agababyan 92
a-dep,angp
π^+ X
100 Whitmore 94 mult,p,pt
π^- X
100 Whitmore 94 mult,p,pt

π^+ Au

K^0 X + $\overline{K}^0$ X
200 Brick 92
a-dep,cs,mult,p
K_S X
250 Botterweck 92
a-dep,cs,mult,p,pt
p X
100 Whitmore 94 mult,p
250 Agababyan 95
angp,mult,p,pt
Agababyan 92 p
Botterweck 92 mult
Λ X
200 Brick 92
a-dep,cs,mult,p
250 Botterweck 92
a-dep,cs,mult,p,pt
$\overline{\Lambda}$ X
200 Brick 92
a-dep,cs,mult,p
mult[charged$^+$] mult[charged$^-$] X
250 Agababyan 92 mult
mult[p] mult[charged] X
250 Agababyan 91B
angp,mult,p
mult[deuteron] mult[charged] X
250 Agababyan 91B
angp,mult,p
mult[deuteron] mult[p] X
250 Agababyan 91B
angp,mult,p
charged$^-$ mult[charged$^-$] X
250 Agababyan 90C
cor,mult,pt
mult[grey] charged X
250 Agababyan 92 mult,p
mult[grey] charged$^-$ X
250 Agababyan 90C
cor,mult,p
2charged X
250 Botterweck 90 cor,p
2charged$^+$ X
250 Botterweck 90 cor,p
2charged$^-$ X
250 Botterweck 90 cor,p
π^- mult[grey] X
250 Agababyan 92 mult,p
$2\pi^-$ X
250 Agababyan 95B
ang,cor,p,pt
ρ^0 mult[grey] X
250 Ajinenko 92 mult
K_S mult[charged$^-$] X
250 Botterweck 92 mult
$2K_S$ X
250 Botterweck 92 cs
$K^*(892)^0$ mult[grey] X
250 Ajinenko 92 mult
$\overline{K}^*(892)^0$ mult[grey] X
250 Ajinenko 92 mult
$2p$ X
250 Agababyan 95
angp,cs,p
Λ mult[charged$^-$] X
250 Botterweck 92 mult
Λ K_S X
250 Botterweck 92 cs
2Λ X
250 Botterweck 92 cs
p fragt X
250 Agababyan 95
angp,cs,p

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π^+ Au

π^+ π^- mult[grey] X
250 Ajinenko 92 mass,mult
(K_S's) K_S mult[charged] (neutrals)
250 Botterweck 92 mult
mult[p] K_S charged$^-$ X
250 Botterweck 92 mult
K^+ π^- mult[grey] X
250 Ajinenko 92 mass,mult
K^- π^+ mult[grey] X
250 Ajinenko 92 mass,mult
p (K_S's) K_S X
250 Botterweck 92 mult
Λ (Λ's) mult[charged] (neutrals)
250 Botterweck 92 mult
mult[p] Λ charged$^-$ X
250 Botterweck 92 mult
p Λ (Λ's) X
250 Botterweck 92 mult

π^+ Pb

π^+ X
0.6242 Wise 93 angp
Λ X
3 Smirnitsky 91 pol
Vorobiev 91 a-dep,angp,p,pol
π^+ π^- X
0.3957 Bonutti 93 cs

π^+ ^{208}Pb

π X
0.3637 – 0.6242 Jones 93 cs
2neutral X
0.3637 – 0.6242 Jones 93 cs
π^+ π^- X
0.3957 Camerini 93 cor,mass
p π X
0.3637 – 0.6242 Jones 93 angp
2p X
0.3637 – 0.6242 Jones 93 cs,p
deuteron p X
0.3637 – 0.6242 Jones 93 cs,p
3neutral X
0.3637 – 0.6242 Jones 93 cs
2hadron (hadrons) X
0.3637 – 0.6242 Jones 93 cs
p 2neutral X
0.3637 – 0.6242 Jones 93 cs
2p neutral X
0.3637 – 0.6242 Jones 93 cs,p
2p π X
0.3637 – 0.6242 Jones 93 cs
3p X
0.3637 – 0.6242 Jones 93 cs,p
deuteron 2p X
0.3637 – 0.6242 Jones 93 cs,p
2p 2neutral X
0.3637 – 0.6242 Jones 93 cs
^{208}Pb$_s$ K^+
1.06 Hasegawa 96 angp,cs,mass

π^+ ^{208}Pb

^{208}Pb$_s$ K^+
Nagae 95 angp

π^+ U

π^+ X
0.6242 Wise 93 a-dep

π^- e^-

π^- e^-
300 Buenerd 92 angp

π^- nucleon

mult[charged] X
360 Nanjo 92 mult,p
η X
300 Prokoshkin 90 mass,p,pt
$f_2(1520)$ X
300 Prokoshkin 90 cs
$f_0(1590)$ X
300 Prokoshkin 90 cs
$f_J(1710)$ X
300 Prokoshkin 90 cs
$D^\pm$ X
250 Wallace 94 cs
D^+ X + D^- X
250 Karchin 95 cs,p,pt
D^0 X + $\overline{D}^0$ X
250 Karchin 95 cs,p,pt
$D_s^\pm$ X
250 Wallace 94 cs
D_s^+ X + D_s^- X
250 Karchin 95 cs,p,pt
2charged X
200 Belaga 94B cor,p
$K^*(892)^0$ K^- X + $\overline{K}^*(892)^0$ K^+ X
250 Karchin 95 mass
Wallace 94 mass
$\phi(1020)$ π^+ X + $\phi(1020)$ π^- X
250 Karchin 95 mass
Wallace 94 mass
charm $\overline{\text{charm}}$ X
350 Aoki 91B cs
bottom $\overline{\text{bottom}}$ X
600 Kodama 93 ang,cs,p
Kwan 93 ang,cs,p
3charged X
200 Belaga 94B cor,p
(showers) 2shower X
200 Belaga 95F ang,col,cor
Belaga 94C ang,col,cor
K^+ 2π^- X + K^- 2π^+ X
250 Karchin 95 mass
Wallace 94 mass
4charged X
200 Belaga 94B cor,p
5charged X
200 Belaga 94B cor,p
5charged (chargeds) X
360 Nanjo 92 col,p
7charged X
200 Belaga 94B cor,p
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

π^- nucleon

nucleon $\pi(1770)^-$
Berdnikov 94B cs
nucleon η π^-
37 Achasov 94 angp,pwa
Zaitsev 94 angp,mass,pwa
nucleon η' π^-
37 Achasov 94 angp,pwa
Zaitsev 94 angp,mass,pwa
nucleon $f_0(975)$ π^-
36.6 Berdnikov 94 mass,pwa
Berdnikov 94B mass,pwa
nucleon $f_2(1270)$ π^-
36.6 Berdnikov 94B mass,pwa
nucleon $f_1(1285)$ π^-
37 Amelin 94 cs
Zaitsev 94 cs
nucleon $f_0(1400)$ π^-
36.6 Berdnikov 94 mass,pwa
nucleon $K^*(892)^0$ K^-
36.6 Berdnikov 94B mass,pwa
nucleon $K_2^*(1430)^0$ K^-
36.6 Berdnikov 94B mass,pwa
nucleon π^+ 2π^-
36.6 Berdnikov 94 mass,pwa
37 Zaitsev 94 angp,mass,pwa
nucleon ρ^0 π^- γ
37 Zaitsev 94 angp,mass,pwa
nucleon K^+ K^- π^-
36.6 Berdnikov 94 mass,pwa
Berdnikov 94B mass,pwa
37 Zaitsev 94 angp,mass,pwa
nucleon π^+ 2π^- γ
37 Amelin 94 mass,pwa
nucleon η π^+ 2π^-
37 Zaitsev 94 angp,mass,pwa
nucleon K^+ K^- π^- γ
37 Amelin 94 mass,pwa
nucleon π^+ 2π^- 2γ
37 Amelin 94 mass,pwa
nucleon K^+ K^- π^- 2γ
37 Amelin 94 mass,pwa

π^- p

X
0.2259 – 0.3314 Friedman 93 cs
2 – 14 Landsberg 94C cs
neutral (neutrals)
0.2259 – 0.3314 Friedman 93 cs
γ X
0 Sigg 95 p
280 Banerjee 92 p,pt
Durieux 91 p
π^+ X
40 Turchanovich 93 angp,pt
π^0 X
0.095 Meijerdrees 92 –
40 Yokosawa 91 asym,pt
80 – 140 Apsimon 91 p,pt
280 Durieux 91 p

$\pi^- p$

π^- X		
0.1001 – 0.1202	Joram 95	angp
0.1 – 0.1545	Joram 95B	mass
40	Turchanovich 93	angp,pt
η X		
80 – 140	Apsimon 92	p,pt
280	Durieux 91	p,pt
ρ^0 X		
38	Bannikov 88	angp
80	Apsimon 91B	angp,cs,p,pt
80 – 140	Hofmann 91	p,pt
$f_2(1270)$ X		
80 – 140	Fiedler 91	cs,p,pt
$\pi(1770)^-$ X		
40	Bityukov 91	cs
$X(1814)^-$ X		
40	Bityukov 91	cs
K^+ X		
40	Turchanovich 93	angp,pt
K^- X		
40	Turchanovich 93	angp,pt
$K^*(892)^0$ X		
80 – 140	Apsimon 93	angp,p,pt
	Gebert 92	cs,p,pt
$\overline{K}^*(892)^0$ X		
80 – 140	Apsimon 93	angp,p,pt
	Gebert 92	cs,p,pt
$K^*(\text{unspec})^+$ X		
16	Karnaukhov 95	cs
$K^*(\text{unspec})^0$ X		
16	Karnaukhov 95	cs
	Karnaukhov 95B	cs
$\phi(1020)$ X		
80 – 140	Apsimon 93	angp,p,pt
	Gebert 92	cs,p,pt
$D(\text{unspec})$ X		
200 – 230	Appel 92	cs,p,pt
340	Appel 92	p,pt
360	Appel 92	cs,p,pt
	Rossi 91	cs
$D^\pm$ X		
250	Rossi 91	p
D X		
340	Rossi 91	p,pt
360	Rossi 91	p
D^+ X		
230	Appel 92	cs
340	Rossi 91	p
D^0 X		
230	Appel 92	cs
$\overline{D}$ X		
340	Rossi 91	p
D^- X		
340	Rossi 91	p
$D^*(2010)$ X		
230	Appel 92	cs
$D_s^\pm$ X		
230	Appel 92	cs,p,pt
baryon X		
16	Karnaukhov 93	cs
	Karnaukhov 93B	cs
baryon (neutrals)		
16	Karnaukhov 95C	cs
p X		
40	Turchanovich 93	angp,pt
$\overline{p}$ X		
40	Turchanovich 93	angp,pt

$\pi^- p$

Λ X		
3.95	Amelin 92	p
Λ_c X		
230	Appel 92	cs,p,pt
$\Xi_c(2460)^+$ X		
230	Appel 92	cs
$\Xi_c(2460)^0$ X		
230	Appel 92	cs
$\overline{\Xi}_c(2460)^-$ X		
230	Appel 92	cs
γ (hadrons) X		
280	Bonvin 90B	pt
2γ X		
40	Yokosawa 91	mass
π^0 (hadrons) X		
280	Bonvin 90B	pt
π^- mult[charged] X		
40	Angelov 92B	col,pt
$2\pi^+$ X		
38	Chklovskaia 95	cor,pt
$\pi^+ \pi^-$ X		
38	Chklovskaia 95	cor,pt
	Bannikov 88	mass
(8.7)	Volkov 93	ang,angp
80 – 140	Fiedler 91	mass
$2\pi^-$ X		
38	Chklovskaia 95	cor,pt
K^0 mult[charged] X		
40	Angelov 92B	col
$K^+ \pi^-$ X		
(8.7)	Volkov 93	ang,angp
80 – 140	Gebert 92	mass
$K^- \pi^+$ X		
(8.7)	Volkov 93	ang,angp
80 – 140	Gebert 92	mass
$K^+ K^-$ X		
(8.7)	Volkov 93	ang,angp
80 – 140	Gebert 92	mass
charm $\overline{\text{charm}}$ X		
360	Appel 92	ang
$D\, \overline{D}$ X		
230	Appel 92	ang,cs
$D_s^-\, D$ X		
230	Appel 92	ang,cs
p mult[charged] X		
40	Angelov 92B	col,pt
$n\, \gamma$ X		
0.09	Dress 94	p
$p\, \pi^-$ X		
(8.7)	Volkov 93	ang,angp
$\overline{p}\, \pi^+$ X		
(8.7)	Volkov 93	ang,angp
$p\, \overline{p}$ X		
(8.7)	Volkov 93	ang,angp
Λ mult[charged] X		
40	Angelov 92B	col
$\overline{\Lambda}_c^-\, D$ X		
230	Appel 92	ang,cs
2charged (chargeds) X		
40	Boos 95	col,cor,p
	Angelov 94	col,cor
$K_S\, \pi^+ \pi^-$ X		
16	Karnaukhov 95B	mass
K_S 2charged$^+$ 2charged$^-$ X		
16	Karnaukhov 95	mass
$p\, K^+ K_S\, 2\pi^-$ X		
16	Karnaukhov 93	ang,mass
	Karnaukhov 93B	ang,mass

$\pi^- p$

$p\, K^+ \overline{K}^0\, 2\pi^-$ (neutrals)		
16	Landsberg 94C	mass,p
	Lazanu 93	mass,p
	Karnaukhov 92	mass,p
$p\, K^0 K^- \pi^+ \pi^-$ (neutrals)		
16	Landsberg 94C	mass,p
	Lazanu 93	mass,p
	Karnaukhov 92	mass,p
$p\, K^+ K_S\, 2\pi^-$ (neutrals)		
16	Karnaukhov 95C	ang,mass
Λ 2charged$^+$ 2charged$^-$ X		
16	Karnaukhov 95	mass
5charged (chargeds) X		
40	Zhumanov 94	angp,col,cor,p
$(\pi p)^*_{\text{atom}}$		
0	Sigg 95	–
baryon meson^0		
16	Landsberg 94C	–
	Lazanu 93	–
	Karnaukhov 92	–
$n\, \gamma$		
0.09	Dress 94	cs
	Farzanpay 92	cs
0.1947 – 0.3637	Stasko 94	angp,asym
0.301 – 0.625	Kim 91	angp,asym
p meson$^-$		
6.3	Aoyagi 93	–
18	Lee 94	cs
n meson^0		
0.095	Meijerdrees 92B	cs
5.98 – 11.85	Svec 93B	cs
8.95	Fukui 91	angp
17.2	Svec 92	cs
38	Donskov 95	angp,cs
	Alde 91G	cs
	Samoylenko 91	cs
	Landsberg 90	cs,pwa
40	Baloshin 95	cs
100	Palano 92	–
	Landsberg 90	cs
$p\, \pi^-$		
0	Sigg 95	cs
0.0963 – 2.161	Arndt 95	angp,cs,pwa
0.1 – 0.1545	Joram 95B	angp,pwa
0.1785 – 0.2411	Brack 95	angp
0.2259 – 0.3314	Friedman 93	cs
0.2651 – 0.7263	Abaev 92	pwa
0.427 – 0.657	Supek 93	angp,asym,pol
0.573 – 0.726	Lopatin 94	pol
0.7365 – 1.025	Takahashi 95	angp,cs
0.9 – 2	Abramov 91C	angp
< 2.135	Arndt 91	pwa
5.75 – 13.02	Landsberg 94C	angp
5.9	White 94B	angp
6	Appel 91	cs
10	Appel 91	cs
$n\, \pi^0$		
0	Crawford 91C	p
0.095	Meijerdrees 92B	–
0.2259 – 0.3314	Friedman 93	cs
< 2.135	Arndt 91	pwa
40	Nurushev 91	asym,pt
$p\, \rho^-$		
5.9	White 94B	angp
6	Appel 91	cs
10	Appel 91	cs
$n\, \rho^0$		
5.98 – 11.85	Svec 93B	dme,pol
17.2	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.

$\pi^- p$

$n\ \rho^0$		
	Svec 93B	dme,pol
32.5	Victorov 95B	angp,cs
38	Alde 93	–
$n\ \omega$		
38	Alde 94	cs
	Donskov 94	–
	Sadovsky 94	–
	Alde 93	–
$n\ \eta'$		
32	Bityukov 91B	–
32.5	Bityukov 90	–
38	Landsberg 90	–
$n\ f_0(975)$		
38	Anisovich 95	angp,cs
	Alde 94B	angp,cs
$p\ a_0(980)^-$		
6	Matsuda 91	–
6.3	Aoyagi 93	–
$n\ a_0(980)^0$		
100	Palano 92	cs
$n\ h_1(1170)$		
8.06	Ando 90	angp
$n\ b_1(1235)$		
8.95	Fukui 90	–
38	Alde 91G	–
$n\ b_1(1235)^0$		
8.95	Kinashi 91	cs
32.5	Victorov 95	cs
38	Alde 92	cs
	Landsberg 92	cs
	Landsberg 92B	cs
100	Alde 92	cs
	Landsberg 92	cs
	Landsberg 92B	cs
$p\ a_1(1260)^-$		
40	Bolonkin 95	–
$n\ a_1(1260)^0$		
8.06	Ando 90	angp
$n\ f_2(1270)$		
17.2	Anisovich 95	angp,dme
	Achasov 93	angp
32.5 – 48	Achasov 93	cs
38	Kondashov 95	angp,cs
	Kondashov 94	cs
	Sadovsky 94	cs
	Achasov 93	mass
40	Baloshin 95	cs
	Achasov 93	angp,cs
100	Achasov 93	cs
100 – 175	Achasov 93	angp
$n\ f_1(1285)$		
8.95	Fukui 91	angp
32	Bityukov 91B	–
100	Donskov 95	cs
$n\ \eta(1295)$		
8.95	Fukui 91	angp
100	Donskov 95	cs
$p\ a_2(1320)^-$		
3.92	Aleshin 92B	cs
	Aleshin 92C	cs
6	Matsuda 91	–
6.3	Aoyagi 94	–
	Aoyagi 93	–
$n\ a_2(1320)^0$		
36	Amelin 95	cs
38	Alde 91E	cs
100	Prokoshkin 94	cs
	Palano 92	cs
$n\ \eta(1440)$		
8.95	Fukui 91	angp
100	Donskov 95	cs
$n\ \rho(1450)^0$		
8.95	Kinashi 91	cs
	Fukui 90	–

$\pi^- p$

$n\ \rho(1450)^0$		
38	Sadovsky 94	cs
$n\ f_2'(1525)$		
40	Baloshin 95	cs
100	Palano 92	–
$n\ f_0(1590)$		
100	Palano 92	–
$n\ f_2(1640)$		
36	Bityukov 91D	cs
$n\ \omega_3(1670)$		
36	Amelin 95	cs
$n\ \rho_3(1690)$		
38	Alde 91G	–
$n\ \rho_3(1690)^0$		
17.2	Anisovich 95	angp,dme
38	Alde 94C	cs
	Landsberg 94	cs
	Sadovsky 94	cs
	Alde 92	cs
	Landsberg 92	cs
	Landsberg 92B	cs
	Landsberg 90	cs,pwa
100	Alde 92	cs
	Landsberg 92	cs
	Landsberg 92B	cs
$n\ \rho(1700)^0$		
38	Sadovsky 94	cs
$n\ X(1740)$		
38	Kulik 94	–
	Alde 91F	ang,cs,p
$n\ f_2(1810)$		
38	Kondashov 95	angp,cs
	Sadovsky 94	cs
$n\ X(1910)$		
36	Bityukov 91D	cs
37	Berdnikov 92B	–
38	Sadovsky 94	cs
	Alde 91C	angp,cs
$n\ a_4(2040)^0$		
38	Alde 95	angp,cs
$n\ f_4(2050)$		
36	Bityukov 91D	cs
38	Kondashov 95	angp,cs
	Sadovsky 94	cs
$n\ \rho(2110)^0$		
38	Sadovsky 94	cs
	Alde 92	cs
	Landsberg 92	cs
	Landsberg 92B	cs
100	Alde 92	cs
	Landsberg 92	cs
	Landsberg 92B	cs
$n\ \rho(2150)^0$		
38	Alde 94C	cs
	Landsberg 94	cs
$n\ \rho_5(2350)^0$		
38	Alde 94C	cs
	Landsberg 94	cs
	Sadovsky 94	cs
$n\ f_6(2510)$		
38	Sadovsky 94	cs
$n\ \phi(1020)$		
32.5	Victorov 95B	angp,cs
n glueball		
17.2	Svec 92	cs
22	Bertolotto 94	cs
	Landsberg 90	–
100	Palano 92	–
$n\ C(1480)^0$		
8.95	Kinashi 91	cs
32.5	Donnachie 91	cs
	Landsberg 91	cs
	Landsberg 90	angp,cs

$\pi^- p$

$N(1700\,B)^+\ \pi^-$		
3.92	Aleshin 92B	cs
	Aleshin 92C	cs
$\Delta(1232\,P_{33})^+\ \pi^-$		
6	Appel 91	cs
$\Delta(1232\,P_{33})^-\ \pi^+$		
5.9	White 94B	angp
6	Appel 91	cs
10	Appel 91	cs
$\Delta(1232\,P_{33})^0\ X(1740)$		
38	Kulik 94	–
	Sadovsky 94	cs
	Alde 91B	angp,cs
	Alde 91F	ang,cs,p
$\Lambda\ K^0$		
5.9	White 94B	angp
$n\ f_0(995)$		
38	Anisovich 95	angp,cs
	Alde 94B	angp,cs
$n\ \pi^0\ \gamma$		
38	Alde 94	mass
	Donskov 94	ang,angp,mass
$n\ 2\pi^0$		
32.5 – 48	Achasov 93	angp,mass
38	Anisovich 95	mass,pwa
	Kondashov 95	angp,mass,pwa
	Alde 94B	mass,pwa
	Kondashov 94	mass,pwa
	Sadovsky 94	mass,pwa
	Achasov 93	mass
40	Achasov 93	mass
100	Achasov 93	angp,mass,pwa
$n\ \pi^+\ \pi^-$		
0.295 – 0.45	Kernel 91	ang,mass
0.4	Muller 93	angp,cor,mass,p
1.78	Alekseev 91	asym
17.2	Anisovich 95	mass
	Achasov 93	mass
	Svec 93B	mass,pwa
	Svec 92	mass,pwa
32.5	Victorov 95B	mass,p
100 – 175	Achasov 93	angp,mass
$p\ \eta\ \pi^-$		
3.92	Aleshin 92C	cs
6	Matsuda 91	asym,mass
6.3	Aoyagi 94	ang,angp,cor,mass,pwa
	Aoyagi 93	angp,asym,mass,p,pwa
$n\ \eta\ \pi^0$		
38	Alde 95	mass,pwa
	Donskov 95	angp,mass,pwa
100	Prokoshkin 94	angp,mass,pwa
	Palano 92	mass
?	Burchell 92	–
$n\ 2\eta$		
38	Sadovsky 94	mass
100	Palano 92	mass,pwa
?	Burchell 92	–
$n\ \rho^0\ \gamma$		
32	Bityukov 91B	–
$n\ \rho^0\ \eta$		
8.95	Fukui 91	angp,mass,pwa
$p\ \omega\ \pi^-$		
3.92	Aleshin 92C	cs
$n\ \omega\ \pi^0$		
8.95	Kinashi 91	angp,mass,pwa
	Fukui 90	angp,mass,pwa

$\pi^- \, p$

Final state	p_{lab}	Reference	Descriptors
$n \, \omega \, \pi^0$	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
	100	Alde 92	ang,angp,mass
		Landsberg 92	ang,angp,mass
		Landsberg 92B	mass,pwa
	?	Landsberg 91	–
$n \, \omega \, \eta$	38	Donskov 95	angp,mass,pwa
		Samoylenko 91	mass
$n \, 2\omega$	36	Bityukov 91D	mass,pwa
$n \, \eta' \, \pi^0$	38	Alde 91E	mass
	100	Alde 91E	mass
$n \, \eta' \, \eta$	?	Burchell 92	–
$n \, 2\eta'$	37	Berdnikov 92B	cs,mass,p
$n \, a_0(980)^+ \, \pi^-$	8.95	Fukui 91	angp,mass,pwa
$n \, a_0(980)^0 \, \pi^0$	100	Donskov 95	amp,mass
$n \, a_0(980)^- \, \pi^+$	8.95	Fukui 91	angp,mass,pwa
$p \, f_1(1285) \, \pi^-$	18	Lee 94	mass,pwa
$n \, K^+ \, K^-$	32.5	Victorov 95B	mass,p
$n \, 2K_S$	38	Kulik 94	angp,cor,mass
	40	Baloshin 95	ang,cs,mass,pwa
	?	Burchell 92	–
$n \, \phi(1020) \, \pi^0$	32.5	Victorov 95	mass,p
		Donnachie 91	mass
		Landsberg 91	ang,mass,p
	?	Burchell 92	–
$n \, 2\phi(1020)$	22	Bertolotto 94	mass,pwa
	?	Burchell 92	–
$\Delta(1232\,P_{33})^0 \, 2\eta$	38	Sadovsky 94	mass
$\Delta(1232\,P_{33})^0 \, 2K_S$	38	Sadovsky 94	mass
$n \, e^- \, e^+ \, \gamma$	0.09	Farzanpay 92	mass
$n \, 3\gamma$	38	Alde 94	mass
		Donskov 94	ang,angp,mass
		Sadovsky 94	mass
$p \, \pi^- \, 2\gamma$	6	Matsuda 91	mass
	6.3	Aoyagi 93	mass

$\pi^- \, p$

Final state	p_{lab}	Reference	Descriptors
$n \, 2\pi^0 \, \gamma$	38	Alde 94	mass
		Alde 94C	mass
$n \, \pi^+ \, \pi^- \, \gamma$	32	Bityukov 91B	ang,mass
	32.5	Bityukov 90	ang,mass
$n \, 3\pi^0$	38	Alde 94	mass
$n \, \pi^+ \, \pi^0 \, \pi^-$	8.06	Ando 90	mass,pwa
	36	Amelin 95	mass,pwa
$n \, \eta \, \pi^0 \, \gamma$	38	Samoylenko 91	mass
$n \, \eta \, 2\pi$	?	Burchell 92	–
$n \, \eta \, 2\pi^0$	100	Donskov 95	amp,mass
$n \, \eta \, \pi^+ \, \pi^-$	8.95	Fukui 91	angp,mass,pwa
	?	Landsberg 91	cs
$n \, K \, \overline{K} \, \pi$	?	Burchell 92	–
$n \, K^+ \, K^- \, \pi^0$	32.5	Victorov 95	mass,p
$p \, K_S \, K_L \, \pi^-$	40	Bolonkin 95	ang,angp,p,pwa
$n \, K^+ \, K^- \, \phi(1020)$	22	Bertolotto 94	mass
$n \, 4\gamma$	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
	100	Prokoshkin 94	ang,mass
		Achasov 93	angp,mass
		Palano 92	mass
$n \, \pi^+ \, \pi^- \, 2\gamma$	8.95	Fukui 91	angp,mass
$p \, \pi^+ \, \pi^0 \, 2\pi^-$	3.92	Aleshin 92B	mass
		Aleshin 92C	cs
	3.93	Andryakov 91	cor
	4.5	Andryakov 91	cor
$n \, \pi^+ \, 2\pi^0 \, \pi^-$	8.95	Kinashi 91	mass
		Fukui 90	mass
$n \, 2\pi^+ \, 2\pi^-$	4.35	Aleshin 94	mass
$p \, K^+ \, K_S \, 2\pi^-$	18	Lee 94	mass,pwa
$n \, 2K^+ \, 2K^-$	22	Bertolotto 94	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
	100	Alde 92	mass
		Landsberg 92	mass
		Landsberg 92B	mass

$\pi^- \, p$

Final state	p_{lab}	Reference	Descriptors
$n \, 6\gamma$	38	Alde 94	mass
		Sadovsky 94	mass
		Alde 91B	angp,mass
$n \, 2\pi^+ \, 2\pi^- \, 4\gamma$	36	Bityukov 91D	mass
	37	Berdnikov 92B	mass
$n \, 10\gamma$	38	Sadovsky 94	mass

$\pi^- \, n$

Final state	p_{lab}	Reference	Descriptors
2shower X	340	Tufail 92	cor,p
2charged (chargeds) X	40	Boos 95	col,cor,p

π^- nucleus

Final state	p_{lab}	Reference	Descriptors
μ^+ X	600	Garbincius 94	pt
mult[charged] X	200 – 350	Ghosh 93C	mult,p
mult[p] X	300	Drndarevic 95	mult
mult[shower] X	200	Ghosh 93D	mult,p
	200 – 350	Ghosh 95B	mult
		Ghosh 92C	col
	340	Nasr 92	mult
	350	Ghosh 94	col,mult
	525	Cherry 94C	mult
mult[grey] X	300	Drndarevic 95	mult
mult[htrack] X	525	Cherry 94C	mult
charged X	100 – 200	Geist 91	a-dep,mult
shower X	200 – 350	Ghosh 92C	p
	300	Adamovich 93C	a-dep,mult,p
	340	Tufail 91	p
	525	Cherry 94C	mult,p
grey X	525	Cherry 94C	angp
htrack X	525	Cherry 94C	mult
black X	525	Cherry 94C	angp
meson$^-$ X	40	Ivanshin 94	angp
ρ^0 X	100	Walker 91	mult
ω X	100	Walker 91	mult
$f_2(1270)$ X	100	Walker 91	mult
charm$^\pm$ X	350	Aoki 91B	cs
charm^0 X	350	Aoki 91B	cs
D(unspec) X	250	Kwan 93	p,pt
		Alves 92	a-dep,p,pt
		Appel 92	cs
	350	Aoki 91C	p,pt
$D^\pm$ X	250	Kwan 93	p,pt
		Alves 92	a-dep,p,pt
		Appel 92	a-dep,p
	600	Kwan 93	cs,p,pt
		Kodama 92C	cs,p,pt
D^+ X	250	Kwan 93	p,pt
		Alves 92	a-dep,p,pt

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π^- nucleus

Reaction	Momentum	Reference	Data descriptors
D^+ X			
		Alves 92B	a-dep,p,pt
		Thorne 92	a-dep,p,pt
	340	Adamovich 94D	–
		Freyberger 94	–
		Adamovich 93B	–
		Adamovich 93D	a-dep,p
		Kwan 93	mult,p
		Adamovich 91E	–
	500	Aitala 95	–
		Carter 94	p,pt
		Carter 94B	p,pt
		Nguyen 94	–
	600	Kodama 95	–
		Freyberger 94	–
		Gibaut 94B	–
		Kodama 93C	–
		Kodama 93E	–
		Kodama 92B	–
D^+ X + $\overline{D}^0$ X			
	250	Kwan 93	p,pt
		Alves 92	a-dep,p,pt
D^0 X			
	250	Alves 92B	a-dep,p,pt
		Appel 92	a-dep,p
		Thorne 92	a-dep,p,pt
	340	Adamovich 94D	–
		Adamovich 91D	–
		Rossi 91	a-dep
	350	Aoki 92	–
	600	Kodama 95	–
		Freyberger 94	–
		Gibaut 94B	–
		Kodama 93B	–
		Kodama 92B	–
D^0 X + $\overline{D}^0$ X			
	250	Kwan 93	p,pt
		Alves 92	a-dep,p,pt
	600	Kwan 93	cs,p,pt
		Kodama 92C	cs,p,pt
D^0 X + D^- X			
	250	Kwan 93	p,pt
		Alves 92	a-dep,p,pt
$\overline{D}^0$ X			
	250	Alves 92B	a-dep,p,pt
	340	Adamovich 94D	–
	600	Kodama 95	–
D^- X			
	250	Kwan 93	p,pt
		Alves 92	a-dep,p,pt
		Alves 92B	a-dep,p,pt
	340	Adamovich 94D	–
		Adamovich 93D	a-dep,p
		Kwan 93	mult,p
	500	Aitala 95	–
		Carter 94	p,pt
		Carter 94B	p,pt
	600	Kodama 95	–
$D^*(2010)^\pm$ X			
	600	Kodama 92C	cs
$D^*(2010)^+$ X			
	340	Adamovich 93D	mult
	500	Purohit 94	–
	600	Kodama 94	–
$D^*(2010)^-$ X			
	340	Adamovich 93D	mult
$D_s^\pm$ X			
	250	Appel 92	cs
D_s^+ X			
	340	Adamovich 94D	–
		Adamovich 93B	–
	350	Aoki 92	–
	500	Aitala 95	–
	600	Garbincius 94	–
		Kodama 93B	–
		Kodama 93E	–

π^- nucleus

Reaction	Momentum	Reference	Data descriptors
D_s^- X			
	340	Adamovich 94D	–
	500	Aitala 95	–
B^+ X			
	600	Garbincius 94	cs,p,pt
B^0 X			
	600	Garbincius 94	cs,p,pt
$\overline{B}^0$ X			
	600	Garbincius 94	cs,p,pt
B^- X			
	600	Garbincius 94	cs,p,pt
Λ X			
	2.9	Smirnitsky 91	pol
	3.6 – 6.2	Bulekov 94	p,pol,pt
	4	Tomizawa 94	a-dep,cs
$\eta\ \mu^+$ X			
	600	Gibaut 94B	angp,mass,p
$\rho^0\ \mu^+$ X			
	600	Gibaut 94B	angp,mass,p
$\eta'\ \mu^+$ X			
	600	Gibaut 94B	angp,mass,p
$K^-\ \mu^+$ X			
	600	Gibaut 94B	angp,mass,p
$\overline{K}^*(892)^0\ \mu^+$ X			
	600	Gibaut 94B	angp,mass,p
$\phi(1020)\ \mu^+$ X			
	600	Gibaut 94B	angp,mass,p
mult[grey] mult[shower] X			
	525	Cherry 94C	cor,mult,p
mult[htrack] mult[shower] X			
	200 – 350	Ghosh 95B	mult
	340	Nasr 92	mult
	525	Cherry 94C	cor,mult,p
mult[black] mult[shower] X			
	525	Cherry 94C	cor,mult,p
mult[black] mult[grey] X			
	525	Cherry 94C	cor,mult
2charged X			
	200	Belaga 94B	cor,p
mult[grey] shower X			
	340	Tufail 91	cor,mult,p
mult[htrack] shower X			
	340	Tufail 91	cor,mult,p
$K^+\ \pi^-$ X			
	250	Alves 92	mass
		Alves 92B	mass
$K^-\ \pi^+$ X			
	250	Alves 92	mass
		Alves 92B	mass
	600	Kodama 92C	mass
$K^*(892)^0\ \pi^+$ X			
	500	Gardner 95	cs,mass
		Purohit 94B	cs,mass
$\phi(1020)\ \pi^+$ X			
	500	Gardner 95	cs,mass
		Purohit 94B	cs,mass
$K^+\ \phi(1020)$ X			
	500	Gardner 95	cs,mass
		Purohit 94B	cs,mass
$2\text{charm}^\pm$ X			
	350	Aoki 91B	cs
$\text{charm}^\pm\ \text{charm}^0$ X			
	350	Aoki 91B	cs
2charm^0 X			
	350	Aoki 91B	cs

π^- nucleus

Reaction	Momentum	Reference	Data descriptors
charm $\overline{\text{charm}}$ X			
	320	Appel 92	a-dep
	350	Aoki 91B	cs
$D^0\ \pi^+$ X			
	500	Purohit 94	mass,p
	600	Kodama 92C	mass
$\overline{D}^0\ \pi^+$ X			
	500	Purohit 94	mass,p
$D\ \overline{D}$ X			
	350	Aoki 91C	ang,mass,p,pt
$D^+\ \overline{D}^0$ X			
	350	Adamovich 95	ang,cor,pt
		Kwan 93	ang
$D^0\ \overline{D}^0$ X			
	350	Adamovich 95	ang,cor,pt
		Kwan 93	ang
$D^+\ D^-$ X			
	350	Adamovich 95	ang,cor,pt
		Kwan 93	ang
$D^0\ D^-$ X			
	350	Adamovich 95	ang,cor,pt
		Kwan 93	ang
bottom $\overline{\text{bottom}}$ X			
	600	Kodama 93	ang,cs,p
		Kwan 93	ang,cs,p
		Spiegel 91	cs
$B\ \overline{B}$ X			
	600	Kodama 92D	–
nucleus mult[shower] X			
	340	Elnadi 94B	mult
nucleus shower X			
	340	Elnadi 94B	cs
$\pi^+\ 2\mu^-$ X			
	600	Kodama 95	cs,mass
$\pi^+\ \mu^-\ \mu^+$ X			
	500	Nguyen 94	mass
	600	Kodama 95	cs,mass
$\pi^0\ \mu^-\ \mu^+$ X			
	600	Kodama 95	cs,mass
$\pi^-\ \mu^-\ \mu^+$ X			
	600	Kodama 95	cs,mass
$\pi^-\ 2\mu^+$ X			
	600	Kodama 95	cs,mass
$K^-\ \pi^+\ e^+$ X			
	340	Adamovich 91E	ang,mass
$\overline{K}^*(892)^0\ \pi^0\ \mu^+$ X			
	600	Gibaut 94B	angp,mass,p
$\overline{K}^*(892)^0\ \pi^-\ \mu^+$ X			
	600	Gibaut 94B	angp,mass,p
$K^*(892)^-\ \pi^0\ \mu^+$ X			
	600	Gibaut 94B	angp,mass,p
3charged X			
	200	Belaga 94B	cor,p
(showers) 2shower X			
	200	Belaga 95F	ang,col,cor
		Belaga 94C	ang,col,cor
		Ghosh 93B	col
3shower X			
	340	Ghosh 92	ang,col
2grey (greys) X			
	350	Ghosh 94	angp,col
$\pi^+\ \pi^-$ mult[grey] X			
	100	Walker 91	mass

π^- nucleus

$2\pi^+ \pi^-$ X			
	340	Adamovich 93B	mass
DD $< \pi^+ 2\pi^- >$ X			
	40	Ivanshin 94	angp,mass,pwa
$K^+ \pi^+ \pi^-$ X			
	250	Alves 92	mass
		Alves 92B	mass
	500	Gardner 95	cs,mass
		Purohit 94	mass,p
		Purohit 94B	cs,mass
$K^+ 2\pi^-$ X			
	500	Carter 94	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
	600	Kodama 92C	mass
$K^- \pi^+ \pi^-$ X			
	250	Alves 92	mass
		Alves 92B	mass
$K^+ K^- \pi^+$ X			
	340	Adamovich 93B	mass
$2K^+ K^-$ X			
	340	Adamovich 93B	mass
	500	Gardner 95	cs,mass
		Purohit 94	mass,p
		Purohit 94B	cs,mass
$\mu^+ \nu_\mu$ hadron$^+$ hadron$^-$ X			
	600	Kodama 93C	mass,pt
$\pi^+ \pi^- \mu^+ \gamma$ X			
	600	Gibaut 94B	angp,mass,p
$\pi^+ \pi^0 \pi^- \mu^+$ X			
	600	Gibaut 94B	angp,mass,p
$\eta\ \pi^+ \pi^- \mu^+$ X			
	600	Gibaut 94B	angp,mass,p
$K^- \pi^+ \pi^- \mu^+$ X			
	600	Gibaut 94B	angp,mass,p
4charged X			
	200	Belaga 94B	cor,p
mult[grey] (showers) 2shower X			
	340	Tufail 91	cor,mult,p
4shower X			
	340	Ghosh 92	ang,col
4γ X			
	300	Prokoshkin 90	mass
$K^- 2\pi^+ \pi^-$ X			
	600	Kodama 92C	mass
nucleus 3shower X			
	340	Elnadi 94B	angp,col,p
$\mu^\pm$ 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
$\mu^\pm$ 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

π^- deuteron

X			
	0.1161 – 0.1496	Saunders 96	a-dep,cs
inelastic			
	0.1161 – 0.1496	Saunders 96	a-dep,cs
γ X			
	0	Chiba 91B	p
π^0 X			
	0.6242	Peterson 95	angp
	40	Yokosawa 91	asym,pt
p X			
	40	Apokin 92	asym
2γ X			
	40	Yokosawa 91	mass
$2\pi^+$ X			
	38	Chklovskaia 95	cor,pt
$\pi^+ \pi^-$ X			
	38	Chklovskaia 95	cor,pt
$2\pi^-$ X			
	38	Chklovskaia 95	cor,pt
$2n$			
	0.2177	Salvisberg 92	angp,cs
deuteron π^-			
	0.0963 – 0.1496	Kohler 93	angp
	0.1268	Kohler 94	angp,asym,pol
	0.1496	Kohler 91	angp
	0.5388	Gridnev 95	angp
	0.9 – 2.025	Abramov 91E	angp,p
deuteron $\pi^0 \pi^-$			
	0.9 – 2.025	Abramov 91E	angp,p

$\pi^-\ {}^3$H

^{3}H π^-			
	0.2445 – 0.3701	Matthews 95	angp
$3n$			
	0.2177	Salvisberg 92	angp,cs,p

$\pi^-\ {}^3$He

inelastic			
	0.1904	Khandaker 91	cs
π^0 X			
	0.3584	Dowell 95	angp,p
π^- 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}He π^-			
	0.1904	Khandaker 91	angp,cs
	0.2445 – 0.3701	Matthews 95	angp
$p\ 2n$			
	0	Gotta 94	ang,angp,p
	0.1082	Hahn 94	angp,cs

$\pi^-\ {}^4$He

π^- X			
	0.1904	Khandaker 91	angp,p
^{3}H $p\ \pi^-$			
	0.2875	Langenbrunne 92	angp

π^- Li

meson X			
	300	Antoniazzi 94B	cs
π^- X			
	0.6242	Wise 93	a-dep
$h_c(1P)$ X			
	300	Antoniazzi 94B	cs
		Garbincius 94	–

π^- Li

$J/\psi(1S)$ X			
	300	Garbincius 94	p,pt
$\chi_{c1}(1P)$ X			
	300	Garbincius 94	p,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
$J/\psi(1S)\ \pi^+$ X			
	300	Antoniazzi 94B	mass
$J/\psi(1S)\ \pi^0$ 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
$\psi(2S)\ \pi^-$ X			
	300	Antoniazzi 94B	mass
$\mu^- \mu^+ \gamma$ X			
	300	Garbincius 94	mass
$J/\psi(1S)\ 2\pi^+$ X			
	300	Antoniazzi 94B	mass
$J/\psi(1S)\ \pi^+ \pi^0$ X			
	300	Antoniazzi 94B	mass
$J/\psi(1S)\ \pi^+ \pi^-$ X			
	300	Antoniazzi 94B	mass
		Garbincius 94	mass
$J/\psi(1S)\ \pi^0 \pi^-$ X			
	300	Antoniazzi 94B	mass
$J/\psi(1S)\ 2\pi^-$ X			
	300	Antoniazzi 94B	mass

$\pi^-\ {}^6$Li

X			
	0.1161 – 0.1496	Saunders 96	a-dep,cs
inelastic			
	0.1161 – 0.1496	Saunders 96	a-dep,cs
π^+ X			
	0.3314	Seth 91	angp,mass
p X			
	0.2248	Seth 91	angp,mass
Λ X			
	4	Tomizawa 94	angp,cs,p,pol
^{3}He X			
	0	Amelin 93	p
^{4}He X			
	0	Amelin 93	p
dineutron π^+ X			
	0.3314	Seth 91	angp,mass
dineutron p X			
	0.2248	Seth 91	angp,mass
^{3}He trineutron			
	0	Amelin 93	cs

$\pi^-\ {}^7$Li

$J/\psi(1S)$ X			
	300	Sansoni 95	cs
		Antoniazzi 92	cs,mass
		Antoniazzi 92B	cs,p,pt
$\chi_{c1}(1P)$ X			
	300	Sansoni 95	cs
		Antoniazzi 94	cs,p
		Antoniazzi 92	cs

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π^- Be

$p\,\pi^+$ X		
40	Antipov 93	mass
$p\,\pi^-$ X		
300	Belogianni 92	cor,mass,pt
$\bar{p}\,\pi^+$ X		
300	Belogianni 92	cor,mass,pt
$p\,\rho^0$ X		
40	Antipov 93B	a-dep,cs,p,pt
$p\,K^-$ X		
300	Belogianni 92	cor,mass,pt
$\bar{p}\,K^+$ X		
300	Belogianni 92	cor,mass,pt
$2p$ X		
40	Antipov 93	mass
	Antipov 90	mass
	Antipov 90E	mass
$p\,\bar{p}$ X		
300	Belogianni 92	cor,mass,pt
deuteron π^+ X		
40	Antipov 90	mass
deuteron π^- X		
40	Antipov 90	mass
$\mu^-\,\mu^+$ charged X		
530	Abramov 91B	mass,mult,p,pt
$\mu^-\,\mu^+\,\gamma$ X		
185	Antoniazzi 92	mass
515	Sansoni 95	mass
	Garbincius 94	mass
$K^+\,\pi^-\,\mu^+$ X		
205	Sarmiento 92	angp,mass
$K^-\,\pi^+\,\mu^-$ X		
205	Sarmiento 92	angp,mass
$\pi^+\,\pi^-$ charged-hadron X		
150 – 300	Belogianni 94	ang,mass,pt
$2\eta\,\pi^-$ X		
37	Amelin 95C	angp,mass,pwa
$K^+\,2\pi^-$ X		
250	Appel 94	mass
$K^-\,2\pi^+$ X		
250	Appel 94	mass
$K^+\,K^-$ charged-hadron X		
150 – 300	Belogianni 94	ang,mass,pt
$K^+\,K^-\,\pi^+$ X		
250	Appel 94	mass
$K^+\,K^-\,\pi^-$ X		
250	Appel 94	mass
p charged$^-$ mult[charged] X		
40	Antipov 93	p
$p\,\pi^+\,\pi^-$ X		
40	Antipov 93B	ang,angp,dme,mass
$2p\,\pi^-$ X		
40	Antipov 90E	mass
$2K^+\,2K^-$ X		
85	Bertolotto 94	mass
$\pi^+\,\pi^0\,\pi^-\,2\gamma$ X		
37	Amelin 95C	mass
Be $a_2(1320)^-$		
37	Achasov 94	cs

π^- Be

Be $a_2(1320)^-$		
	Berdnikov 93	cs
Be $\pi(1770)^-$		
36	Amelin 95B	–
Be exotic		
37	Berdnikov 93	cs
Be $\eta\,\pi^-$		
37	Berdnikov 93	angp,pwa
Be $\eta'\,\pi^-$		
37	Berdnikov 93	angp,pwa
DD $<\pi^+\,2\pi^->$ Be		
40	Ivanshin 94	angp,mass,pwa
	Ananieva 92	angp,mass,pwa
Be $\pi^+\,2\pi^-$		
36	Amelin 95B	mass,pwa
Be $\pi^+\,\pi^0\,2\pi^-$		
37	Berdnikov 93	angp,mass
Be $\eta\,\pi^+\,2\pi^-$		
37	Berdnikov 93	angp,mass
Be $\pi^+\,2\pi^-\,2\gamma$		
37	Berdnikov 93	angp,mass

π^- ^{9}Be

$2p$ X		
0	Gornov 91	mass
deuteron p X		
0	Gornov 91	mass
2deuteron X		
0	Gornov 91	mass
^{3}H p X		
0	Gornov 91	mass
^{3}H deuteron X		
0	Gornov 91	mass
2^3H X		
0	Gornov 91	mass
^{3}He ^{3}H X		
0	Gornov 91	p
^{4}He deuteron X + ^{3}He ^{3}H X		
0	Gornov 91	p
^{4}He ^{3}H X		
0	Gornov 91	p

π^- C

X		
0.1161 – 0.1496	Saunders 96	a-dep,cs
inelastic		
0.07735 – 0.0963	Friedman 91B	cs
0.1161 – 0.1496	Saunders 96	a-dep,cs
mult[nucleon] X		
40	Kuznetsov 93	cor,mult,p
mult[p] X		
200.1	Albrecht 93G	a-dep,mult
mult[p] mult[π^0]		
3.5	Strugalski 92	mult
π^+ X		
40	Armutlijsky 91	angp
π^0 X		
0.6242	Peterson 92	angp,p
π^- X		
0.6242	Wise 93	angp,p
	Zumbro 93	angp
40	Armutlijsky 91	angp
	Baatar 89B	angp,et,p

π^- C

$a_2(1320)^-$ X		
36	Bityukov 91C	–
D^+ X		
250	Appel 94	cs,p,pt
500	Aitala 96	cs,p,pt
D^- X		
250	Appel 94	cs,p,pt
500	Aitala 96	cs,p,pt
D_s^+ X		
250	Appel 94	cs,p,pt
D_s^- X		
250	Appel 94	cs,p,pt
$J/\psi(1S)$ X		
530	Spiegel 91	a-dep
p X		
5	Arakelyan 91B	angp,p
40	Armutlijsky 91	angp
200.1	Albrecht 93G	angp,p
Λ X		
1.2 – 5	Smirnitsky 91	a-dep,p,pol
	Vorobiev 91	a-dep,angp,p,pol
3	Degtyarenko 91	a-dep,angp,p
4 – 7	Smirnitsky 91	pol
mult[p] mult[π^-] X		
40	Strugalski 92C	angp,cor,mult,p
π^- mult[charged] X		
40	Angelov 92B	col,pt
	Baatar 89B	angp,p
mult[p] π^0 X		
40	Strugalski 92	angp,cor,mult,p,pt
$2\pi^+$ X		
38	Chklovskaia 95	cor,pt
$\pi^+\,\pi^-$ X		
38	Chklovskaia 95	cor,pt
$2\pi^-$ X		
38	Chklovskaia 95	cor,pt
$\eta\,\pi^-$ X		
36	Bityukov 91C	ang,mass,pwa
$\eta'\,\pi^-$ X		
36	Bityukov 91C	ang,mass,pwa
K^0 mult[charged] X		
40	Angelov 92B	col
p mult[charged] X		
40	Angelov 92B	col,pt
Λ mult[charged] X		
40	Angelov 92B	col
2charged (chargeds) X		
40	Boos 95	col,cor,p
	Angelov 94	col,cor
(p's) π (π's) X		
40	Strugalski 92C	angp,cor,mult,p
$2\eta\,\pi^-$ X		
36	Bityukov 91	ang,mass
$\eta'\,\eta\,\pi^-$ X		
36	Bityukov 91	ang,mass
$K^+\,2\pi^-$ X		
250	Appel 94	mass
$K^-\,2\pi^+$ X		
250	Appel 94	mass
$K^+\,K^-\,\pi^+$ X		
250	Appel 94	mass
$K^+\,K^-\,\pi^-$ 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 $p_{\rm lab}$ in GeV/c, or in parentheses $E_{\rm cm}$ in GeV.

π^- C

p (p's) (π's) X			
	40	Strugalski 92C	angp,cor,mult,p
π^+ π^0 $2\pi^-$ X			
	36	Bityukov 91C	mass
$2p$ (p's) ($\pi^\pm$'s) X			
	40	Angelov 92	ang,cor,p
π^+ $2\pi^-$ 2γ X			
	36	Bityukov 91C	mass
π^+ $2\pi^-$ 4γ X			
	36	Bityukov 91	mass
DD $< \pi^+ \; 2\pi^- >$ C			
	40	Ivanshin 94	angp,mass,pwa
		Ananieva 92	angp,mass,pwa

π^- ^{12}C

mult[charged] (neutrals)			
	40	Angelov 91	col,mult
^{12}Bor π^0			
	0.08801	Hanna 94	angp,p
^{12}C π^-			
	0.07735 – 0.112	Burleson 94	angp
	0.7365 – 1.025	Takahashi 95	angp,cs

π^- ^{13}C

^{13}Bor π^0			
	0.08801	Hanna 94	angp,p
^{13}C π^-			
	0.2117 – 0.3433	Yen 91B	angp,asym

π^- ^{16}O

^{16}O π^-			
	0.07735 – 0.112	Burleson 94	angp

π^- ^{18}O

^{18}O π^-			
	0.07735 – 0.112	Burleson 94	angp

π^- Ne

mult[charged$^+$] X			
	6.2	Kiselevich 95	mult
mult[charged$^-$] X			
	6.2	Kiselevich 95	mult
mult[p] X			
	6.2	Kiselevich 95	mult
charged$^+$ X			
	6.2	Kiselevich 95	mult
charged$^-$ X			
	6.2	Kiselevich 95	mult
		Kiselevich 92	p,pt
π^- X			
	6.2	Kiselevich 93B	angp,p,pt
p X			
	6.2	Kiselevich 95	mult
Λ X			
	3.6 – 6.2	Bulekov 94	p,pol,pt
charged (chargeds) (neutrals)			
	6.2	Kiselevich 93B	col,mult,pt
$2p$ X			
	6.2	Kiselevich 93B	ang,p
mult[p] mult[charged$^+$] mult[charged$^-$] X			
	6.2	Kiselevich 92	mult,p
mult[p] mult[π^+] mult[π^-] X			
	6.2	Kiselevich 92B	mult
vee (vees) mult[charged$^+$] X			
	6.2	Kiselevich 95	mult
vee (vees) mult[charged$^-$] X			
	6.2	Kiselevich 95	mult
mult[p] vee (vees) X			
	6.2	Kiselevich 95	mult
vee (vees) charged$^+$ X			
	6.2	Kiselevich 95	mult
vee (vees) charged$^-$ X			
	6.2	Kiselevich 95	mult
p vee (vees) X			
	6.2	Kiselevich 95	mult
p π^+ π^- X			
	6.2	Kiselevich 93	p
		Amelin 91	angp,p
(p's) π^- (charged$^+$s) (charged$^-$s) X			
	6.2	Kiselevich 94	col
p (p's) π^+ π^- (π^+'s) (π^-'s) X			
	6.2	Kiselevich 93C	p,pt

π^- ^{20}Ne

^{20}Ne* π^-			
	0.2875	Burlein 95	angp,cs,p

π^- ^{24}Mg

γ X			
	0	Jeckelmann 94	p

π^- Mg

π^+ X			
	100 – 320	Whitmore 94	mult,p,pt
π^- X			
	100 – 320	Whitmore 94	mult,p,pt
p X			
	100 – 320	Whitmore 94	mult,p

π^- ^{26}Mg

^{26}Mg* π^-			
	0.2673	Clausen 93	angp,cs,p

π^- Al

X			
	0.1161 – 0.1496	Saunders 96	a-dep,cs
inelastic			
	0.1161 – 0.1496	Saunders 96	a-dep,cs
mult[p] X			
	200.1	Albrecht 93G	a-dep,mult
π^- X			
	0.6242	Wise 93	a-dep
D(unspec) X			
	250	Alves 92	a-dep,p,pt
$D^\pm$ X			
	250	Alves 93B	p,pt
D^+ X			
	250	Appel 94	cs,p
		Spiegel 91	a-dep
D^0 X			
	250	Spiegel 91	a-dep
D^- X			
	250	Appel 94	cs,p
$D^*(2010)^\pm$ X			
	250	Gardner 95	mass
		Alves 93	mass
		Alves 93B	p,pt
D_s^+ X			
	250	Appel 94	cs,p
D_s^- X			
	250	Appel 94	cs,p
$J/\psi(1S)$ X			
	530	Spiegel 91	a-dep
p X			
	40	Antipov 92	a-dep,p
		Antipov 90C	a-dep,angp
	200.1	Albrecht 93G	angp,p
Λ X			
	1.2 – 5	Smirnitsky 91	a-dep,p,pol
		Vorobiev 91	a-dep,angp,p,pol
	3	Degtyarenko 91	a-dep,angp,p
p π^- X			
	3.15	Bayukov 94	angp,cor,p
p ρ^0 X			
	40	Antipov 93B	a-dep,cs,p,pt
deuteron π^- X			
	3.15	Bayukov 94	angp,cor,p
K^+ $2\pi^-$ X			
	250	Appel 94	mass
K^- $2\pi^+$ X			
	250	Appel 94	mass
K^+ K^- π^+ X			
	250	Appel 94	mass
K^+ K^- π^- X			
	250	Appel 94	mass
DD $< \pi^+ \; 2\pi^- >$ Al			
	40	Ivanshin 94	angp,mass,pwa
		Ananieva 92	angp,mass,pwa

π^- Si

X			
	0.1161 – 0.1496	Saunders 96	a-dep,cs
inelastic			
	0.1161 – 0.1496	Saunders 96	a-dep,cs
K_S X			
	340	Adamovich 92	a-dep,p
$D^\pm$ X			
	340	Alves 93B	p
D^0 X			
	340	Adamovich 92	a-dep,p
2jet X			
	530	Conrad 95	a-dep,ang,pt
DD $< \pi^+ \; 2\pi^- >$ Si			
	40	Ivanshin 94	angp,mass,pwa
		Ananieva 92	angp,mass,pwa

π^- ^{28}Si

^{28}Si π^-			
	0.3749	Rawoolsulliv 94	angp

π^- S

X			
	0.1161 – 0.1496	Saunders 96	a-dep,cs
inelastic			
	0.1161 – 0.1496	Saunders 96	a-dep,cs

π^- Ca

X			
	0.1161 – 0.1496	Saunders 96	a-dep,cs
inelastic			
	0.1161 – 0.1496	Saunders 96	a-dep,cs

π^- Ca

π^- X
0.6242 Wise 93 angp

π^- ^{40}Ca

^{40}Ca π^-
0.07735 – 0.112 Burleson 94 angp

π^- ^{48}Ca

^{48}Ca π^-
0.07735 – 0.112 Burleson 94 angp

π^- Ti

$2\pi^+$ X
1.4 Bayukov 92 angp,p

$\pi^+ \pi^-$ X
1.4 Bayukov 92 angp,p

$2\pi^-$ X
1.4 Bayukov 92 angp,p

$2\pi^\pm$ fragt X
1.39 Bayukov 91 p

$\pi^+ \pi^-$ fragt X
1.39 Bayukov 91 p

DD < π^+ $2\pi^-$ > Ti
40 Ivanshin 94 angp,mass,pwa
Ananieva 92 angp,mass,pwa

π^- Fe

$2\pi^+$ X
1.4 Bayukov 92 angp,p

$\pi^+ \pi^-$ X
1.4 Bayukov 92 angp,p

$2\pi^-$ X
1.4 Bayukov 92 angp,p

$2\pi^\pm$ fragt X
1.39 Bayukov 91 p

$\pi^+ \pi^-$ fragt X
1.39 Bayukov 91 p

π^- ^{58}Ni

^{58}Ni π^-
0.07735 – 0.112 Burleson 94 angp
0.2875 Laymon 96 a-dep,angp,dme

^{58}Ni* π^-
0.2875 Laymon 96 a-dep,angp,dme

π^- Ni

inelastic
0.07735 – 0.0963 Friedman 91B cs

π^- ^{60}Ni

^{60}Ni π^-
0.2875 Laymon 96 a-dep,angp,dme

^{60}Ni* π^-
0.2875 Laymon 96 a-dep,angp,dme

π^- ^{62}Ni

^{62}Ni π^-
0.2875 Laymon 96 a-dep,angp,dme

^{62}Ni* π^-
0.2875 Laymon 96 a-dep,angp,dme

π^- ^{64}Ni

^{64}Ni π^-
0.2875 Laymon 96 a-dep,angp,dme

^{64}Ni* π^-
0.2875 Laymon 96 a-dep,angp,dme

π^- Cu

mult[p] X
200.1 Albrecht 93G a-dep,mult

γ X
515 Conrad 95 a-dep,pt

π^0 X
500 Alverson 93 a-dep,angp,pt
Alverson 91 a-dep,p,pt
515 Conrad 95 a-dep,pt

K_S X
340 Adamovich 92 a-dep,p

D(unspec) X
250 Alves 92 a-dep,p,pt

$D^\pm$ X
250 Alves 93B p,pt
340 Alves 93B p

D X
230 Rossi 91 pt

D^+ X
230 Kwan 93 angp,cs,p
Barlag 92C –
Spiegel 91 p,pt
Barlag 90E angp,cs,p
250 Appel 94 cs,p
Spiegel 91 a-dep

D^0 X
230 Kwan 93 angp,cs,p
Barlag 92C –
Spiegel 91 p,pt
Barlag 90E angp,cs,p
250 Spiegel 91 a-dep
340 Adamovich 92 a-dep,p
350 Adamovich 95B –

$\overline{D}^0$ X
350 Adamovich 95B –

D^- X
250 Appel 94 cs,p

$D^*(2010)^\pm$ X
250 Gardner 95 mass
Alves 93 mass
Alves 93B p,pt

$D^*(2010)^+$ X
230 Barlag 92 –
Barlag 90E angp,cs,p

$D^*(2010)^0$ X
230 Barlag 92 –

D_s^+ X
230 Barlag 92C –
Spiegel 91 cs
Barlag 90E angp,cs,p
250 Appel 94 cs,p

D_s^- X
250 Appel 94 cs,p

$J/\psi(1S)$ X
125 Tzamarias 90 angp,cs,p,pt
515 Sansoni 95 cs
Garbincius 94 p,pt
530 Spiegel 91 a-dep

$\chi_{c1}(1P)$ X
515 Sansoni 95 cs
Garbincius 94 p,pt

$\chi_{c2}(1P)$ X
515 Sansoni 95 cs
Garbincius 94 p,pt

$\psi(2S)$ X
515 Sansoni 95 cs
Garbincius 94 p,pt

B^+ X
515 Garbincius 94 cs

B^0 X
515 Garbincius 94 cs

$\overline{B}^0$ X
515 Garbincius 94 cs

B^- X
515 Garbincius 94 cs

X $C(1480)^-$
50 Landsberg 90 cs

p X
40 Antipov 92 a-dep,p
Antipov 90C a-dep,angp
200.1 Albrecht 93G angp,p

Λ X
1.2 – 5 Smirnitsky 91 a-dep,p,pol
Vorobiev 91 a-dep,angp,p,pol
3 Degtyarenko 91 a-dep,angp,p
230 Barlag 94 p,pol,pt

$\overline{\Lambda}$ X
230 Barlag 94 p,pol,pt

Λ_c^+ X
230 Bozek 93 –
Barlag 92B cs
Jezabek 92 pt

$\Xi_c(2460)^0$ X
230 Spiegel 91 cs

$\mu^- \mu^+$ X
125 Tzamarias 90 mass
350 Adamovich 95B mass
515 Garbincius 94 mass

2jet X
530 Conrad 95 a-dep,ang,pt

$2\pi^+$ X
38 Chklovskaia 95 cor,pt

$\pi^+ \pi^-$ X
38 Chklovskaia 95 cor,pt

$2\pi^-$ X
38 Chklovskaia 95 cor,pt

$K^- \pi^+$ X
230 Barlag 90E angp,mass,p

charm $\overline{\text{charm}}$ X
230 Rybicki 95 cor,mass,p,pt

$D \overline{D}$ X
230 Barlag 93 ang,cor,p
Barlag 91 ang
Spiegel 91 ang

$D^+ \overline{D}^0$ X
230 Barlag 93 cor,p

$D^+ \overline{D}^0$ X + $D^0 D^-$ X
230 Barlag 91 ang

$D^0 \overline{D}^0$ X
230 Barlag 93 cor,p
Barlag 91 ang

$D^+ D^-$ X
230 Barlag 93 cor,p
Barlag 91 ang

$D_s^+ \overline{D}$ X
230 Barlag 93 cor,p
Spiegel 91 ang

$D_s^+ \overline{D}$ X + $D_s^- D$ X
230 Barlag 91 ang

π^- Cu

Reaction	Momentum	Reference	Data
$J/\psi(1S) \, \gamma \, X$	515	Garbincius 94	mass
$p \, \rho^0 \, X$	40	Antipov 93B	a-dep,cs,p,pt
$\Lambda_c^+ \, \overline{D} \, X$	230	Barlag 93	cor,p
		Spiegel 91	ang
$\Lambda_c^+ \, \overline{D} \, X + \overline{\Lambda}_c^- \, D \, X$	230	Barlag 91	ang
$\Lambda_c^+ \, \overline{\Lambda}_c^- \, X$	230	Appel 92	ang,cs
$\mu^- \, \mu^+ \, \gamma \, X$	515	Sansoni 95	mass
		Garbincius 94	mass
$K^+ \, 2\pi^- \, X$	250	Appel 94	mass
$K^- \, 2\pi^+ \, X$	230	Barlag 90E	angp,mass,p
	250	Appel 94	mass
$K^+ \, K^- \, \pi^+ \, X$	230	Barlag 90E	angp,mass,p
	250	Appel 94	mass
$K^+ \, K^- \, \pi^- \, X$	250	Appel 94	mass
$p \, K^- \, \pi^+ \, X$	230	Bozek 93	mass
		Jezabek 92	mass
$K^- \, 2\pi^+ \, \pi^- \, X$	230	Barlag 90E	angp,mass,p
$p \, K^- \, \pi^+ \, \pi^0 \, X$	230	Bozek 93	mass
$K^- \, 3\pi^+ \, \pi^- \, X$	230	Barlag 90E	angp,mass,p
$p \, K^- \, \pi^+ \, 2\pi^0 \, X$	230	Bozek 93	mass
$p \, K^- \, \pi^+ \, 3\pi^0 \, X$	230	Bozek 93	mass
$DD < \pi^+ \, 2\pi^- >$ Cu	40	Ivanshin 94	angp,mass,pwa
		Ananieva 92	angp,mass,pwa

π^- Se

Reaction	Momentum	Reference	Data
Se π^-	0.2718	Hui 94	angp,p

π^- ^{90}Zr

Reaction	Momentum	Reference	Data
$^{90}Zr \, \pi^-$	0.07735 – 0.112	Burleson 94	angp

π^- Zr

Reaction	Momentum	Reference	Data
$\pi^0 \, X$	0.6242	Peterson 92	angp,p
$\pi^- \, X$	0.6242	Wise 93	angp

π^- Ag

Reaction	Momentum	Reference	Data
mult[p] X	200.1	Albrecht 93G	a-dep,mult
$\pi^+ \, X$	100 – 320	Whitmore 94	mult,p,pt
$\pi^- \, X$	100 – 320	Whitmore 94	mult,p,pt
$p \, X$	100 – 320	Whitmore 94	mult,p
$p \, X$	200.1	Albrecht 93G	angp,p
mult[p] π^+ X	100	Whitmore 94	cor,mult,p,pt
mult[p] π^- X	100	Whitmore 94	cor,mult,p,pt
$DD < \pi^+ \, 2\pi^- >$ Ag	40	Ivanshin 94	angp,mass,pwa
		Ananieva 92	angp,mass,pwa

π^- Cd

Reaction	Momentum	Reference	Data
$\Lambda \, X$	1.2 – 5	Smirnitsky 91	a-dep,p,pol
		Vorobiev 91	a-dep,angp,p,pol
	3	Degtyarenko 91	a-dep,angp,p

π^- Sn

Reaction	Momentum	Reference	Data
$\pi^- \, X$	0.6242	Wise 93	a-dep

π^- Xe

Reaction	Momentum	Reference	Data
mult[γ] X	3.5	Strugalski 93	mult
mult[p] mult[π^0]	3.5	Strugalski 91	mult
mult[n] X	3.5	Bekmirzaev 91	mult
$\gamma \, X$	3.5	Strugalski 93	angp,p,pt
$\pi^0 \, X$	3.5	Pawlyak 91	p
mult[p] π^0	3.5	Strugalski 91	angp,cor,mult,p,pt
$p \, X$	3.5	Bekmirzaev 91	p
		Pawlyak 91	p
$n \, X$	3.5	Bekmirzaev 91	angp,p
mult[p] mult[n] X	3.5	Strugalski 91C	cor,mult
		Zielinska 91	mult
mult[p] mult[fragt] X	3.5	Strugalski 91B	mult
$2\gamma \, X$	3.5	Strugalski 93	mass
($\pi^\pm$'s) π X	3.5	Pawlyak 91	mult,p
(π^0's) π X	3.5	Pawlyak 91	mult,p
(p's) π X	3.5	Pawlyak 91	mult,p
p (π's) X	3.5	Pawlyak 91	mult,p
p (p's) X	3.5	Pawlyak 91	mult,p
nucleus (p's) π^+	2.34 – 9	Strugalskago 94	cs,mult
nucleus p (p's)	2.34 – 9	Strugalskago 94	cs
mult[p] mult[π] mult[fragt] X	3.5	Strugalski 91B	mult
mult[p] mult[π^-] mult[fragt] X	3.5	Strugalski 91B	mult

π^- Ta

Reaction	Momentum	Reference	Data
$\pi^- \, X$	0.6242	Wise 93	a-dep
$DD < \pi^+ \, 2\pi^- >$ Ta	40	Ivanshin 94	angp,mass,pwa
		Ananieva 92	angp,mass,pwa

π^- Wt

Reaction	Momentum	Reference	Data
$K_S \, X$	340	Adamovich 92	a-dep,p
D(unspec) X	250	Alves 92	a-dep,p,pt
$D^\pm \, X$	250	Alves 93B	p,pt
	340	Alves 93B	p
$D^+ \, X$	250	Appel 94	cs,p
		Spiegel 91	a-dep
$D^0 \, X$	250	Spiegel 91	a-dep
	340	Adamovich 92	a-dep,p
	350	Adamovich 95B	–
$\overline{D}^0 \, X$	350	Adamovich 95B	–
$D^- \, X$	250	Appel 94	cs,p
$D^*(2010)^\pm \, X$	250	Gardner 95	mass
		Alves 93	mass
		Alves 93B	p,pt
$D_s^+ \, X$	250	Appel 94	cs,p
$D_s^- \, X$	250	Appel 94	cs,p
$J/\psi(1S) \, X$	125	Tzamarias 90	cs
$\psi(2S) \, X$	125	Tzamarias 90	cs
$\mu^- \, \mu^+ \, X$	125	Tzamarias 90	mass
	350	Adamovich 95B	mass
$K^+ \, 2\pi^- \, X$	250	Appel 94	mass
$K^- \, 2\pi^+ \, X$	250	Appel 94	mass
$K^+ \, K^- \, \pi^+ \, X$	250	Appel 94	mass
$K^+ \, K^- \, \pi^- \, X$	250	Appel 94	mass

π^- Pt

Reaction	Momentum	Reference	Data
$D^+ \, X$	250	Appel 94	cs,p,pt
	500	Aitala 96	cs,p,pt
$D^- \, X$	250	Appel 94	cs,p,pt
	500	Aitala 96	cs,p,pt
$D_s^+ \, X$	250	Appel 94	cs,p,pt
$D_s^- \, X$	250	Appel 94	cs,p,pt
$K^+ \, 2\pi^- \, X$	250	Appel 94	mass
$K^- \, 2\pi^+ \, X$	250	Appel 94	mass
$K^+ \, K^- \, \pi^+ \, X$	250	Appel 94	mass

π^- Pt

$K^+ K^- \pi^-$ X		
250	Appel 94	mass

π^- Au

mult[p] X		
200.1	Albrecht 93G	a-dep,mult
π^+ X		
100 – 320	Whitmore 94	mult,p,pt
π^- X		
100 – 320	Whitmore 94	mult,p,pt
p X		
100 – 320	Whitmore 94	mult,p
200.1	Albrecht 93G	angp,p

π^- Pb

π^- X		
0.6242	Wise 93	angp
$J/\psi(1S)$ X		
530	Spiegel 91	a-dep
p X		
40	Antipov 92	a-dep,p
	Antipov 90C	a-dep,angp
Λ X		
1.2 – 5	Smirnitsky 91	a-dep,p,pol
	Vorobiev 91	a-dep,angp,p,pol
3	Degtyarenko 91	a-dep,angp,p
$2\pi^+$ X		
38	Chklovskaia 95	cor,pt
$\pi^+ \pi^-$ X		
38	Chklovskaia 95	cor,pt
$2\pi^-$ X		
38	Chklovskaia 95	cor,pt
$p\ \pi^-$ X		
3.15	Bayukov 94	angp,cor,p
$p\ \rho^0$ X		
40	Antipov 93B	a-dep,cs,p,pt
deuteron π^- X		
3.15	Bayukov 94	angp,cor,p
DD $< \pi^+ 2\pi^- >$ Pb		
40	Ivanshin 94	angp,mass,pwa
	Ananieva 92	angp,mass,pwa

π^- ^{208}Pb

^{208}Pb π^-		
0.07735 – 0.112	Burleson 94	angp

π^- ^{238}U

p fragt (fragts)		
0	Belovitsky 91	ang,cs,p
0.1947	Belovitsky 92	ang,cs,p
deuteron fragt (fragts)		
0	Belovitsky 91	ang,cs,p
0.1947	Belovitsky 92	ang,cs,p
^{3}H fragt (fragts)		
0	Belovitsky 91	ang,cs,p
0.1947	Belovitsky 92	ang,cs,p
^{4}He fragt (fragts)		
0	Belovitsky 91	ang,cs,p
0.1947	Belovitsky 92	ang,cs,p

π^- U

π^- X		
0.6242	Wise 93	a-dep

ρ^0 nucleon

X		
200	Arneodo 94	cs

$K^\pm p$

ρ^0 X		
80 – 140	Apsimon 92B	cs
$f_0(975)$ X		
80 – 140	Apsimon 92B	cs
$f_2(1270)$ X		
80 – 140	Apsimon 92B	angp,cs,p,pt
$\pi^+ \pi^-$ X		
80 – 140	Apsimon 92B	mass

K^+ nucleon

$D^\pm$ X		
250	Wallace 94	cs
D^+ X + D^- X		
250	Karchin 95	cs,p,pt
D^0 X + $\overline{D}^0$ X		
250	Karchin 95	cs,p,pt
$D_s^\pm$ X		
250	Wallace 94	cs
D_s^+ X + D_s^- X		
250	Karchin 95	cs,p,pt
$K^*(892)^0\ K^-$ X + $\overline{K}^*(892)^0\ K^+$ X		
250	Karchin 95	mass
	Wallace 94	mass
$\phi(1020)\ \pi^+$ X + $\phi(1020)\ \pi^-$ X		
250	Karchin 95	mass
	Wallace 94	mass
$K^+\ 2\pi^-$ X + $K^-\ 2\pi^+$ X		
250	Karchin 95	mass
	Wallace 94	mass
nucleon K^+		
< 3.105	Hyslop 92	pwa

$K^+ p$

mult[charged] X		
147	Arena 95	mult
250	Aivazyan 91B	col,p,pt
	Schmitz 91	angp,col,p,pt
mult[charged] (neutrals)		
147	Boca 92	col,mult,p
250	Agababyan 91	mult,p,pt
γ X		
250	Botterweck 91	cs,p,pt
π^0 X		
80 – 140	Apsimon 91	p,pt
250	Atayan 91	cs,p,pt
η X		
80 – 140	Apsimon 92	p,pt
250	Atayan 91	cs,p
ρ^0 X		
80 – 140	Hofmann 91	p,pt
140	Apsimon 91B	angp,cs,p,pt
$f_2(1270)$ X		
80 – 140	Fiedler 91	cs,p,pt
$K^*(892)^0$ X		
79.9 – 140	Apsimon 93	angp,p,pt
80 – 140	Gebert 92	cs,p,pt
$\overline{K}^*(892)^0$ X		
79.9 – 140	Apsimon 93	angp,p,pt
80 – 140	Gebert 92	cs,p,pt
$\phi(1020)$ X		
79.9 – 140	Apsimon 93	angp,p,pt
80 – 140	Gebert 92	cs,p,pt
Λ X		
250	Agababyan 90B	angp,p
2charged X		
250	Agababyan 95D	ang,cor,p

$K^+ p$

2charged X		
	Agababyan 94B	ang,col
	Agababyan 94C	col,cor
	Agababyan 93C	col,cor,mass
2charged$^+$ X		
250	Agababyan 95D	ang,cor,p
	Agababyan 94B	ang,col
	Agababyan 94C	col,cor
	Ajinenko 94	ang,col,cor,mass,pt
	Agababyan 93C	col,cor,mass
	Aivazyan 91	cor,p
charged$^+$ charged$^-$ X		
250	Agababyan 95D	ang,cor,p
	Agababyan 94B	ang,col
	Agababyan 94C	col,cor
	Ajinenko 94	ang,col,cor,mass,pt
	Agababyan 93C	col,cor,mass
	Aivazyan 91	cor,p
2charged$^-$ X		
250	Agababyan 95D	ang,cor,p
	Agababyan 94B	ang,col
	Agababyan 94C	col,cor
	Ajinenko 94	ang,col,cor,mass,pt
	Agababyan 93C	col,cor,mass
	Aivazyan 91	cor,p
$\pi^+ \pi^-$ X		
80 – 140	Fiedler 91	mass
$2\pi^-$ X		
250	Agababyan 95B	ang,cor,p,pt
	Agababyan 95C	ang,cor,p,pt
DD $<$ mult[charged] (neutrals) $>$ K^+		
250	Begalli 92	mass,mult
$K^+ \pi^-$ X		
80 – 140	Gebert 92	mass
$K^- \pi^+$ X		
80 – 140	Gebert 92	mass
$K^+ K^-$ X		
80 – 140	Gebert 92	mass
DD $<$ mult[charged] (neutrals) $>$ p		
250	Begalli 92	mass,mult
2charged (chargeds) X		
250	Agababyan 93C	angp,col,p,pt
3charged X		
250	Agababyan 94B	ang,col
	Agababyan 94C	col,cor
	Agababyan 93C	col,cor,mass
3charged$^+$ X		
250	Agababyan 94B	ang,col
	Ajinenko 94	cor,mass
	Agababyan 93C	col,cor,mass
3charged$^+$ X + 3charged$^-$ X		
250	Agababyan 94C	col,cor
2charged$^+$ charged$^-$ X		
250	Agababyan 94B	ang,col
	Ajinenko 94	cor,mass

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$K^+ p$

charged$^+$ 2charged$^-$ X
250 Agababyan 94B ang,col
Ajinenko 94 cor,mass

3charged$^-$ X
250 Agababyan 94B ang,col
Ajinenko 94 cor,mass
Agababyan 93C col,cor,mass

DD < charged (chargeds) (neutrals) > K^+
250 Begalli 92 mass,mult

DD < charged (chargeds) (neutrals) > p
250 Begalli 92 mass,mult

p K^+ mult[charged] (neutrals)
250 Agababyan 93B cs,mass,mult.p,pt

4charged X
250 Agababyan 94B ang,col
Agababyan 94C col,cor

4charged$^+$ X
250 Agababyan 94B ang,col

4charged$^+$ X + 4charged$^-$ X
250 Agababyan 94C col,cor

3charged$^+$ charged$^-$ X
250 Agababyan 94B ang,col

2charged$^+$ 2charged$^-$ X
250 Agababyan 94B ang,col

charged$^+$ 3charged$^-$ X
250 Agababyan 94B ang,col

4charged$^-$ X
250 Agababyan 94B ang,col

5charged X
250 Agababyan 94B ang,col
Agababyan 94C col,cor

5charged$^+$ X
250 Agababyan 94B ang,col

4charged$^+$ charged$^-$ X
250 Agababyan 94B ang,col

3charged$^+$ 2charged$^-$ X
250 Agababyan 94B ang,col

2charged$^+$ 3charged$^-$ X
250 Agababyan 94B ang,col

charged$^+$ 4charged$^-$ X
250 Agababyan 94B ang,col

5charged$^-$ X
250 Agababyan 94B ang,col

p K^+
0.705 Kormanyos 93 angp
5.9 White 94B angp
6 Appel 91 cs
10 Appel 91 cs

p $K^*(892)^+$
5.9 White 94B angp
6 Appel 91 cs

$\Delta(1232\,P_{33})^+$ K^+
5.9 White 94B angp

$K^+ p$

$\Delta(1232\,P_{33})^+$ K^+
6 Appel 91 cs

p K^+ $2\pi^0$
250 Agababyan 93B cs,mass,p,pt

p K^+ π^+ π^-
250 Agababyan 93B cs,mass,p,pt
Atayan 90 angp,cs,mass,p

$K^+ n$

p K^0
< 3.105 Hyslop 92 angp,cs,pwa

n K^+
< 3.105 Hyslop 92 angp,cs,pwa

p K^+ π^-
5.98 Svec 91B amp,angp,pwa
5.98 – 11.85 Svec 93B mass,pwa

K^+ nucleus

charged X
100 – 200 Geist 91 a-dep,mult

p K^+ X
0.4873 Berdnikov 91B angp,cs,p

p K^0 X
0.2507 Berdnikov 92 ang,angp,cs,p

nucleus mult[shower] X
70 Elnadi 94B mult

nucleus shower X
70 Elnadi 94B cs

deuteron K^+ (fragts)
0.3811 – 0.58 Berdnikov 91C angp,cs,p

nucleus p K^+ X
0.2507 Berdnikov 91 ang,angp,cs,p

nucleus 3shower X
70 Elnadi 94B angp,col,p

K^+ deuteron

X
0.488 – 0.714 Weiss 94 a-dep,cs
Sawafta 93 a-dep,cs

K^+ X
0.705 Kormanyos 95 a-dep,angp,p
Kormanyos 93 angp

K^+ fragt (fragts)
0.705 Kormanyos 93 a-dep,angp

deuteron K^+
< 3.105 Hyslop 92 angp,cs,pwa

$2p$ K^0
< 3.105 Hyslop 92 angp,cs,pwa

p n K^+
< 3.105 Hyslop 92 angp,cs,pwa

p(spect) p K^+ π^-
5.98 Svec 91B –

K^+ Li

X
0.488 – 0.714 Sawafta 93 a-dep,cs

K^+ ^{6}Li

X
0.488 – 0.714 Weiss 94 a-dep,cs

K^+ Be

K^0 X
11.2 Akimenko 90B a-dep,angp,p,pt

K_S X
11.2 Akimenko 92 a-dep,angp,p,pt
Akimenko 92B a-dep,p,pt

$K^*(892)^0$ X
11.2 Akimenko 92B a-dep,p,pt

D^+ X
250 Appel 94 cs,p

D^- X
250 Appel 94 cs,p

D_s^+ X
250 Appel 94 cs,p

D_s^- X
250 Appel 94 cs,p

π^+ π^- X
11.2 Akimenko 92B mass

K^+ π^- X
11.2 Akimenko 92B mass

K^+ $2\pi^-$ X
250 Appel 94 mass

K^- $2\pi^+$ X
250 Appel 94 mass

K^+ K^- π^+ X
250 Appel 94 mass

K^+ K^- π^- X
250 Appel 94 mass

K^+ C

X
0.488 – 0.714 Sawafta 93 a-dep,cs

K^+ X
0.705 Kormanyos 95 a-dep,angp,p
Kormanyos 93 angp

K^+ fragt (fragts)
0.705 Kormanyos 93 a-dep,angp

K^+ ^{12}C

X
0.488 – 0.714 Weiss 94 a-dep,cs

K^+ Mg

π^+ X
100 Whitmore 94 mult,p,pt

π^- X
100 Whitmore 94 mult,p,pt

K^0 X + $\overline{K}^0$ X
200 Brick 92 a-dep,cs,mult,p

p X
100 Whitmore 94 mult,p

Λ X
200 Brick 92 a-dep,cs,mult,p

$\overline{\Lambda}$ X
200 Brick 92 a-dep,cs,mult,p

K^+ Al

mult[charged] X
250 Yandarbiev 93 mult
Botterweck 90 mult,p

mult[charged$^+$] X
250 Yandarbiev 93 mult

mult[charged$^-$] X
250 Yandarbiev 93 mult

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K^+ Wt

$K^+ K^- \pi^-$ X
250 Appel 94 mass

K^+ Au

mult[charged] X
250 Yandarbiev 93 mult
Botterweck 90 mult,p

mult[charged$^+$] X
250 Yandarbiev 93 mult

mult[charged$^-$] X
250 Yandarbiev 93 mult

mult[charged] (neutrals)
250 Botterweck 92 mult

mult[π^-] X
250 Agababyan 92 mult

mult[deuteron] X
250 Agababyan 91B angp,mult,p

mult[grey] X
250 Agababyan 92 mult

charged X
250 Agababyan 92 p

charged$^+$ X
250 Yandarbiev 93 p
Agababyan 90C angp,p,pt

charged$^-$ X
250 Yandarbiev 93 p,pt
Agababyan 90C angp,p,pt

grey X
250 Agababyan 92 a-dep,angp

π^+ X
100 Whitmore 94 mult,p,pt

π^- X
100 Whitmore 94 mult,p,pt

K^0 X + $\overline{K}^0$ X
200 Brick 92 a-dep,cs,mult,p

K_S X
250 Botterweck 92 a-dep,cs,mult,p,pt

p X
100 Whitmore 94 mult,p
250 Agababyan 95 angp,mult,p,pt
Agababyan 92 p
Botterweck 92 mult

Λ X
200 Brick 92 a-dep,cs,mult,p
250 Botterweck 92 a-dep,cs,mult,p,pt

$\overline{\Lambda}$ X
200 Brick 92 a-dep,cs,mult,p

mult[charged$^+$] mult[charged$^-$] X
250 Agababyan 92 mult

mult[p] mult[charged] X
250 Agababyan 91B angp.mult,p

mult[deuteron] mult[charged] X
250 Agababyan 91B angp,mult,p

mult[deuteron] mult[p] X
250 Agababyan 91B angp,mult,p

charged$^-$ mult[charged$^-$] X
250 Agababyan 90C cor,mult,pt

mult[grey] charged X
250 Agababyan 92 mult,p

K^+ Au

mult[grey] charged$^-$ X
250 Agababyan 90C cor,mult,p

2charged X
250 Botterweck 90 cor,p

2charged$^+$ X
250 Botterweck 90 cor,p

2charged$^-$ X
250 Botterweck 90 cor,p

π^- mult[grey] X
250 Agababyan 92 mult,p

$2\pi^-$ X
250 Agababyan 95B ang,cor,p,pt

K_S mult[charged$^-$] X
250 Botterweck 92 mult

$2K_S$ X
250 Botterweck 92 cs

$2p$ X
250 Agababyan 95 angp,cs,p

Λ mult[charged$^-$] X
250 Botterweck 92 mult

Λ K_S X
250 Botterweck 92 cs

2Λ X
250 Botterweck 92 cs

p fragt X
250 Agababyan 95 angp,cs,p

(K_S's) K_S mult[charged] (neutrals)
250 Botterweck 92 mult

mult[p] K_S charged$^-$ X
250 Botterweck 92 mult

p (K_S's) K_S X
250 Botterweck 92 mult

Λ (Λ's) mult[charged] (neutrals)
250 Botterweck 92 mult

mult[p] Λ charged$^-$ X
250 Botterweck 92 mult

p Λ (Λ's) X
250 Botterweck 92 mult

K^+ Pb

K^+ X
0.705 Kormanyos 95 a-dep,angp,p
Kormanyos 93 angp

K^0 X
11.2 Akimenko 90B a-dep,angp,p,pt

K_S X
11.2 Akimenko 92B a-dep,p,pt

$K^*(892)^0$ X
11.2 Akimenko 92B a-dep,p,pt

$\pi^+ \pi^-$ X
11.2 Akimenko 92B mass

$K^+ \pi^-$ X
11.2 Akimenko 92B mass

K^+ fragt (fragts)
0.705 Kormanyos 93 a-dep,angp

K^- e^-

K^- e^-
250 Buenerd 92 angp

K^- nucleon

$D^\pm$ X
250 Wallace 94 cs

K^- nucleon

D^+ X + D^- X
250 Karchin 95 cs,p,pt

D^0 X + $\overline{D}^0$ X
250 Karchin 95 cs,p,pt

$D_s^\pm$ X
250 Wallace 94 cs

D_s^+ X + D_s^- X
250 Karchin 95 cs,p,pt

$K^*(892)^0$ K^- X + $\overline{K}^*(892)^0$ K^+ X
250 Karchin 95 mass
Wallace 94 mass

$\phi(1020)$ π^+ X + $\phi(1020)$ π^- X
250 Karchin 95 mass
Wallace 94 mass

K^+ $2\pi^-$ X + K^- $2\pi^+$ X
250 Karchin 95 mass
Wallace 94 mass

K^- p

mult[charged] X
32 Bogolyubsky 94 col,mult,p

π^0 X
80 – 140 Apsimon 91 p,pt

η X
80 – 140 Apsimon 92 p,pt

ρ^0 X
80 – 140 Hofmann 91 p,pt
140 Apsimon 91B angp,cs,p,pt

$f_2(1270)$ X
80 – 140 Fiedler 91 cs,p,pt

$K^*(892)^0$ X
79.9 – 140 Apsimon 93 angp,p,pt
80 – 140 Gebert 92 cs,p,pt

$\overline{K}^*(892)^0$ X
79.9 – 140 Apsimon 93 angp,p,pt
80 – 140 Gebert 92 cs,p,pt

$\phi(1020)$ X
79.9 – 140 Apsimon 93 angp,p,pt
80 – 140 Gebert 92 cs,p,pt

D(unspec) X
200 – 230 Appel 92 cs,p,pt

$D_s^\pm$ X
230 Appel 92 cs

Y^*(unspec) X
11 Landsberg 94C –

Λ_c X
230 Appel 92 cs

$\Xi_c(2460)^+$ X
230 Appel 92 cs

$\Xi_c(2460)^0$ X
230 Appel 92 cs

$\pi^+ \pi^-$ X
80 – 140 Fiedler 91 mass

$K^+ \pi^-$ X
80 – 140 Gebert 92 mass

$K^- \pi^+$ X
80 – 140 Gebert 92 mass

$K^+ K^-$ X
80 – 140 Gebert 92 mass

2charged (chargeds) X
32 Bogolyubsky 95 cor,mult,p
32.1 Boos 95 col,cor,p

Ξ^- K (hadrons) X
11 Landsberg 94C ang,cs,mass,p,pt

p K^-
5.9 White 94B angp

$K^- p$

$p K^-$		
6	Appel 91	cs
10	Appel 91	cs
$p K^*(892)^-$		
5.9	White 94B	angp
6	Appel 91	cs
$p K^*(1410)^-$		
11	Aston 92	–
$n \overline{K}^*(1370)^0$		
11	Aston 92	–
$p K_0^*(1430)^-$		
11	Aston 91B	–
$n \overline{K}_0^*(1430)^0$		
11	Aston 91B	–
$p K_2^*(1430)^-$		
11	Aston 92B	–
	Aston 91C	–
$n \overline{K}_2^*(1430)^0$		
11	Aston 91B	–
$p K^*(1680)^-$		
11	Aston 92	–
$n \overline{K}^*(1680)^0$		
11	Aston 92	–
$p K_2(1770)^-$		
11	Aston 93	–
	Aston 92B	–
$p K_3^*(1780)^-$		
11	Aston 92B	–
	Aston 91C	–
$p K_2(1820)^-$		
11	Aston 93	–
$n \overline{K}^*(\mathrm{unspec})^0$		
11	Aston 91B	–
hyperon $X(1740)$		
38	Kulik 94	–
Λ meson^0		
11	Aston 94	angp,cs
	Rensing 93	angp,cs
	Aston 92	–
	Aston 91	–
	Dunwoodie 91	mass,pwa
$\Lambda \pi^0$		
0	Larson 93	cs
	Noble 92	cs
5.9	White 94B	angp
$\Lambda \eta$		
11	Rensing 93	angp,cs
$\Lambda \rho^0$		
11	Aston 94	angp,cs
	Rensing 93	angp,cs
	Aston 91	–
$\Lambda \omega$		
11	Aston 94	angp,cs
	Rensing 93	angp,cs
$\Lambda f_2(1270)$		
11	Aston 94	angp,cs
	Rensing 93	angp,cs
	Aston 91	–
$\Lambda \rho(1450)^0$		
11	Aston 91C	–
$\Lambda \rho_3(1690)^0$		
11	Aston 94	angp,cs
$\Lambda C(1480)^0$		
32.5	Landsberg 90	angp,cs
$\Sigma^+ \pi^-$		
0.44 – 0.5	Lach 94	ang
	Lach 93	ang
5.9	White 94B	angp
6	Appel 91	cs
$\Sigma^0 \pi^0$		
0	Larson 93	cs

$K^- p$

$\Sigma^- \pi^+$		
5.9	White 94B	angp
6	Appel 91	cs
$\Sigma(1385\,P_{13})^0 \gamma$		
0	Larson 93	cs
$\Sigma(1385\,P_{13})^+$ meson$^-$		
11	Rensing 93	angp,cs
$Y^*(\mathrm{unspec}) \pi^+$		
6.5 – 8.25	Landsberg 90	angp
6.6 – 8.25	Landsberg 94C	angp,cs
$\Xi^- K^+$		
1.66	Iijima 92	cs
$\Xi(1530\,P_{13})^- K^+$		
1.66	Iijima 92	cs
$p \overline{K}^0 \pi^-$		
11	Aston 92	mass,pwa
	Aston 91B	mass,pwa
$n K^- \pi^+$		
11	Aston 92	mass,pwa
	Aston 91B	mass,pwa
$p K^- \omega$		
11	Aston 93	mass,pwa
	Aston 92B	mass,pwa
	Aston 91C	pwa
$n \overline{K}^0 \phi(1020)$		
11	Kwon 93	angp,mass,pwa
hyperon 2η		
38	Kulik 94	angp,mass
hyperon $2K_S$		
38	Kulik 94	angp,mass
$\Lambda \pi^0 \gamma$		
0	Larson 93	mass,pol
$\Lambda \pi^+ \pi^-$		
11	Aston 94	angp,mass,pwa
	Rensing 93	angp,mass,pol,pwa
	Aston 92	mass,pwa
	Aston 91	mass,pwa
	Aston 91C	mass
	Dunwoodie 91	mass,pwa
$\Sigma(1385\,P_{13})^+ \pi^0 \pi^-$		
11	Rensing 93	angp,mass
$\Omega^- K^+ K^0$		
8.25	Landsberg 94C	mass
$n\, 3\gamma$		
0	Larson 93	cs,mass
	Noble 92	cs,mass
$n \overline{K}^0 \pi^+ \pi^-$		
11	Aston 92	mass,pwa
	Aston 91B	mass,pwa
$\Lambda \pi^+ \pi^0 \pi^-$		
11	Rensing 93	angp,mass
$\Lambda K^+ \overline{K}^0 \pi^-$		
8.25	Landsberg 94C	mass
$\Sigma^0 K^+ \overline{K}^0 \pi^-$		
8.25	Landsberg 94C	mass
$\Sigma^- K^+ \overline{K}^0 \pi^0$		
8.25	Landsberg 94C	mass
$\Omega^- 2K^+ \pi^-$		
8.25	Landsberg 94C	mass
$\Omega^- K^+ K^0 \pi^0$		
8.25	Landsberg 94C	mass
$\Omega^- 2K^0 \pi^+$		
8.25	Landsberg 94C	mass
$n\, 4\gamma$		
0	Larson 93	cs,mass
$p K^- \pi^+ \pi^0 \pi^-$		
11	Aston 93	mass

$K^- p$

$p K^- \pi^+ \pi^0 \pi^-$		
	Kwon 93	angp,mass,pwa
	Aston 92B	mass
	Aston 91C	mass
$\Lambda K^+ \overline{K}^0 \pi^0 \pi^-$		
8.25	Landsberg 94C	mass
$\Lambda K^0 K^- \pi^+ \pi^0$		
8.25	Landsberg 94C	mass
$\Sigma^+ K^-$ kaon $\pi^+ \pi^-$		
8.25	Landsberg 94C	mass

K^- nucleus

$K^+ X$		
1.66	Iijima 92	a-dep,cs,p
	Imai 92	p
$\Xi^- K^+ X$		
1.66	Aoki 95B	p
	Imai 92	cs
	Aoki 91	p
	Aoki 91E	p
nucleus mult[shower] X		
70	Elnadi 94B	mult
nucleus shower X		
70	Elnadi 94B	cs
dibaryon$(S = -1)$ $K^+ X$		
1.66	Imai 92	cs
dibaryon$(S = -2)$ $K^+ X$		
1.66	Itow 94	p
$p \Sigma^- K^+ X$		
1.66	Itow 94	ang,p
$p \Xi^- K^+ X$		
1.66	Aoki 93	angp,p

K^- deuteron

$\pi^- X$		
0.87	Piekarz 93	angp,mass
$p X$		
40	Apokin 92	asym
dibaryon$(S = -1)$ π^-		
0.87	Piekarz 93	cs
$p \Lambda \pi^-$		
0.87	Piekarz 93	angp,mass
$p \Sigma^0 \pi^-$		
0.87	Piekarz 93	angp,mass
$p \Lambda \pi^- \gamma$		
0.87	Piekarz 93	angp,mass

K^- ^{3}He

$p \pi^+ X$		
0.87	Piekarz 93	angp,mass
$n \pi^+ X$		
0.87	Piekarz 93	angp,mass
dibaryon$(S = -1)$ $p \pi^+$		
0.87	Piekarz 93	cs
dibaryon$(S = -1)$ $n \pi^+$		
0.87	Piekarz 93	cs

K^- ^{4}He

$\pi^+ X$		
0	Hayano 91	p
$\pi^- X$		
0	Hayano 91	p

K^- Be

$D^+ X$		
250	Appel 94	cs,p
$D^- X$		
250	Appel 94	cs,p
$D_s^+ X$		
250	Appel 94	cs,p

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K^- Be

D_s^- X			
	250	Appel 94	cs,p
p X			
	40	Antipov 92	a-dep,p
		Antipov 90C	a-dep,angp
K^+ $2\pi^-$ X			
	250	Appel 94	mass
K^- $2\pi^+$ X			
	250	Appel 94	mass
K^+ K^- π^+ X			
	250	Appel 94	mass
K^+ K^- π^- X			
	250	Appel 94	mass
Be $K_1(1270)^-$			
	40	Tyapkin 91	cs
Be $K_1(1400)^-$			
	40	Tyapkin 91	cs
Be $K(1460)^-$			
	40	Tyapkin 91	cs
Be K^- π^+ π^-			
	40	Tyapkin 91	mass,pwa

K^- C

K^+ X			
	1.66	Iijima 92	a-dep,cs,p

K^- ^{12}C

γ X			
	0	Denisov 91	p
π^0 π^- X			
	0	Sakaguchi 90	p
C_s π^-			
	0	Sakaguchi 90	–
C_s^* π^-			
	0	Sakaguchi 90	–
^{11}Bor$_s$ p π^-			
	0	Sakaguchi 90	–

K^- Al

K^+ X			
	1.66	Iijima 92	a-dep,cs,p
D^+ X			
	250	Appel 94	cs,p
D^- X			
	250	Appel 94	cs,p
D_s^+ X			
	250	Appel 94	cs,p
D_s^- X			
	250	Appel 94	cs,p
p X			
	40	Antipov 92	a-dep,p
		Antipov 90C	a-dep,angp
K^+ $2\pi^-$ X			
	250	Appel 94	mass
K^- $2\pi^+$ X			
	250	Appel 94	mass
K^+ K^- π^+ X			
	250	Appel 94	mass
K^+ K^- π^- X			
	250	Appel 94	mass
Al $K_1(1270)^-$			
	40	Tyapkin 91	cs
Al $K_1(1400)^-$			
	40	Tyapkin 91	cs
Al $K(1460)^-$			
	40	Tyapkin 91	cs
Al K^- π^+ π^-			
	40	Tyapkin 91	mass,pwa

K^- Cu

K^+ X			
	1.66	Iijima 92	a-dep,cs,p
D^+ X			
	230	Kwan 93	angp,cs,p
		Spiegel 91	p,pt
		Barlag 90E	angp,cs,p
	250	Appel 94	cs,p
D^0 X			
	230	Kwan 93	angp,cs,p
		Spiegel 91	p,pt
		Barlag 90E	angp,cs,p
D^- X			
	250	Appel 94	cs,p
$D^*(2010)^+$ X			
	230	Barlag 90E	angp,cs,p
D_s^+ X			
	230	Barlag 90E	angp,cs,p
	250	Appel 94	cs,p
D_s^- X			
	250	Appel 94	cs,p
p X			
	40	Antipov 92	a-dep,p
		Antipov 90C	a-dep,angp
K^- π^+ X			
	230	Barlag 90E	angp,mass,p
K^+ $2\pi^-$ X			
	250	Appel 94	mass
K^- $2\pi^+$ X			
	230	Barlag 90E	angp,mass,p
	250	Appel 94	mass
K^+ K^- π^+ X			
	230	Barlag 90E	angp,mass,p
	250	Appel 94	mass
K^+ K^- π^- X			
	250	Appel 94	mass
K^- $2\pi^+$ π^- X			
	230	Barlag 90E	angp,mass,p
K^- $3\pi^+$ π^- X			
	230	Barlag 90E	angp,mass,p
Cu $K_1(1270)^-$			
	40	Tyapkin 91	cs
Cu $K_1(1400)^-$			
	40	Tyapkin 91	cs
Cu $K(1460)^-$			
	40	Tyapkin 91	cs
Cu K^- π^+ π^-			
	40	Tyapkin 91	mass,pwa

K^- Ag

K^+ X			
	1.66	Iijima 92	a-dep,cs,p
Ag $K_1(1270)^-$			
	40	Tyapkin 91	cs
Ag $K_1(1400)^-$			
	40	Tyapkin 91	cs
Ag $K(1460)^-$			
	40	Tyapkin 91	cs
Ag K^- π^+ π^-			
	40	Tyapkin 91	mass,pwa

K^- Wt

D^+ X			
	250	Appel 94	cs,p
D^- X			
	250	Appel 94	cs,p

K^- Wt

D_s^+ X			
	250	Appel 94	cs,p
D_s^- X			
	250	Appel 94	cs,p
K^+ $2\pi^-$ X			
	250	Appel 94	mass
K^- $2\pi^+$ X			
	250	Appel 94	mass
K^+ K^- π^+ X			
	250	Appel 94	mass
K^+ K^- π^- X			
	250	Appel 94	mass

K^- Pb

K^+ X			
	1.66	Iijima 92	a-dep,cs,p
p X			
	40	Antipov 92	a-dep,p
		Antipov 90C	a-dep,angp
Pb $K_1(1270)^-$			
	40	Tyapkin 91	cs
Pb $K_1(1400)^-$			
	40	Tyapkin 91	cs
Pb $K(1460)^-$			
	40	Tyapkin 91	cs
Pb K^- π^+ π^-			
	40	Tyapkin 91	mass,pwa

K_L e^-

K_S e^-			
	250	Buenerd 92	angp

K_L p

n K^+			
	< 3.108	Hyslop 92	angp,cs,pwa

K_L nucleus

nucleus K_S			
	50 – 200	Ramberg 92B	angp
	70	Hsiung 92	amp
		Barker 91	amp
		Kleinknecht 91	amp
		Winstein 91	amp

K_L Be

Be K_S			
	0.114	Akhmetshin 95B	cs

$J/\psi(1S)$ nucleon

X			
	40 – 280	Arneodo 94	cs
	150	Arneodo 95D	cs

nucleon nucleon

charged$^-$ X			
	200	Sollfrank 94	mult
K^+ X			
	200	Sollfrank 94	mult
K^- X			
	200	Sollfrank 94	mult
p X			
	200	Sollfrank 94	mult
$\overline{p}$ X			
	200	Sollfrank 94	mult
Λ X			
	200	Sollfrank 94	mult
$\overline{\Lambda}$ X			
	200	Sollfrank 94	mult
dibaryon($S=-2$) X			
	?	Ejiri 91B	–
(showers) 11shower X			
	$< 2.4 \cdot 10^5$	Shivpuri 94	col,mult,p

nucleon nucleon

dibaryon			
	(1.88 – 3.02)	Strakovskii 91	cs
$\ell^+ \ell$			
	?	Berger 91	–
2π			
	?	Berger 91	–
2nucleon			
	(1.88 – 3.02)	Strakovskii 91	pwa

nucleon nucleus

inelastic			
	4.5 – 200	Schmidt 92B	a-dep,cs
mult[charged] (neutrals)			
	14.6 – 200	Schmidt 92B	a-dep,et,mult,p
charged X			
	4.5 – 200	Schmidt 92B	a-dep,cs,mult,p,pt
γ X			
	14.6 – 200	Schmidt 92B	a-dep,pt
π^+ X			
	4.5 – 200	Schmidt 92B	a-dep,cs,mult,p,pt
π^0 X			
	14.6 – 200	Schmidt 92B	a-dep,pt
π^- X			
	4.5 – 200	Schmidt 92B	a-dep,cs,mult,p,pt
η X			
	14.6 – 200	Schmidt 92B	a-dep,pt
ρ^0 X			
	14.6 – 200	Schmidt 92B	a-dep,pt
ω X			
	14.6 – 200	Schmidt 92B	a-dep,pt
K^+ X			
	4.5 – 200	Schmidt 92B	a-dep,cs,mult,p,pt
K^- X			
	4.5 – 200	Schmidt 92B	a-dep,cs,mult,p,pt
K_S X			
	4.5 – 200	Schmidt 92B	a-dep,cs,mult,p,pt
$\phi(1020)$ X			
	14.6 – 200	Schmidt 92B	a-dep,pt
$J/\psi(1S)$ X			
	14.6 – 200	Schmidt 92B	a-dep,pt
p X			
	4.5 – 200	Schmidt 92B	a-dep,cs,mult,p,pt
Λ X			
	4.5 – 200	Schmidt 92B	a-dep,cs,mult,p,pt
$\overline{\Lambda}$ X			
	4.5 – 200	Schmidt 92B	a-dep,cs,mult,p,pt
Ξ^- X			
	4.5 – 200	Schmidt 92B	a-dep,cs,mult,p,pt
$\overline{\Xi}^+$ X			
	4.5 – 200	Schmidt 92B	a-dep,cs,mult,p,pt
$\mu^- \mu^+$ X			
	14.6 – 200	Schmidt 92B	a-dep,mass,pt
2charged X			
	4.5 – 200	Schmidt 92B	cor
$2\pi^-$ X			
	4.5 – 200	Schmidt 92B	cor
(showers) 11shower X			
	$< 2.4 \cdot 10^5$	Shivpuri 94	col,mult,p

p nucleon

mult[charged] X			
	800	Parashar 94	col,mult,p
		Parashar 94B	col,mult,p
mult[shower] X			
	800	Malik 95	mult,p
charged X			
	40	Nurushev 91	asym,pt
shower X			
	800	Shivpuri 93C	a-dep,p
γ X			
	300	Yuldashev 90C	mult,p,pt
π^0 X			
	70	Vavilov 95C	angp,cs,p,pt
		Kurshetsov 94	cs,p
	300	Yuldashev 90C	mult,p,pt
η X			
	70	Vavilov 95C	angp,cs,p,pt
		Kurshetsov 94	cs,p
	300	Yuldashev 90C	mult,p,pt
ω X			
	70	Vavilov 95C	angp,cs,p,pt
		Kurshetsov 94	cs,p
K_S X			
	300	Yuldashev 90B	a-dep,cs,mult,p,pt
charm X			
	10^5	Zatsepin 94B	cs
$D^\pm$ X			
	250	Wallace 94	cs
D^+ X + D^- X			
	250	Karchin 95	cs,p,pt
D^+ X			
	800	Spiegel 91	cs
D^0 X + $\overline{D}^0$ X			
	250	Karchin 95	cs,p,pt
	800	Jansen 93	cs
D^0 X			
	800	Spiegel 91	cs
$D_s^\pm$ X			
	250	Wallace 94	cs
D_s^+ X + D_s^- X			
	250	Karchin 95	cs,p,pt
exotic-meson X			
	400	Bertolotto 94	cs
Λ X			
	300	Yuldashev 90B	a-dep,cs,mult,p,pt
$\overline{\Lambda}$ X			
	300	Yuldashev 90B	a-dep,cs,mult,p,pt
2charged X			
	200 – 400	Belaga 94B	cor,p
	800	Parashar 94	cor,p
		Parashar 94B	cor,p
γ mult[charged$^-$] X			
	300	Yuldashev 90C	cor,mult,p
2γ X			
	70	Kurshetsov 94	mass
π^0 γ X			
	70	Kurshetsov 94	mass
K_S mult[charged$^-$] X			
	300	Yuldashev 90B	cor,mult
$K^*(892)^0$ K^- X + $\overline{K}^*(892)^0$ K^+ X			
	250	Karchin 95	mass

p nucleon

$K^*(892)^0$ K^- X + $\overline{K}^*(892)^0$ K^+ X			
		Wallace 94	mass
$\phi(1020)$ π^+ X + $\phi(1020)$ π^- X			
	250	Karchin 95	mass
		Wallace 94	mass
$2\phi(1020)$ X			
	?	Burchell 92	–
charm $\overline{\text{charm}}$ X			
	70	Ammosov 90B	cs
p π^- X			
	3.88	Nakai 91	mass
Λ mult[charged$^-$] X			
	300	Yuldashev 90B	cor,mult
nucleon exotic-nucleon (neutrals)			
	70	Landsberg 93	cs
3charged X			
	200 – 400	Belaga 94B	cor,p
(showers) 2shower X			
	200 – 400	Belaga 95F	ang,col,cor
		Belaga 94C	ang,col,cor
3γ X			
	70	Kurshetsov 94	mass
K^+ $2\pi^-$ X + K^- $2\pi^+$ X			
	250	Karchin 95	mass
		Wallace 94	mass
K^+ K^- $\phi(1020)$ X			
	400	Bertolotto 94	mass
nucleon $\Sigma(1385\,P_{13})^0$ K^+ (neutrals)			
	70	Kurshetsov 94	cs,mass,pt
		Landsberg 94B	cs,mass,pt
		Landsberg 94C	cs,mass,pt
		Landsberg 93	mass
4charged X			
	200 – 400	Belaga 94B	cor,p
$2K^+$ $2K^-$ X			
	400	Bertolotto 94	mass
K^+ K^- $2\phi(1020)$ X			
	?	Burchell 92	–
nucleon Λ K^+ π^0 (neutrals)			
	70	Kurshetsov 94	cs,mass,pt
		Landsberg 94B	cs,mass,pt
		Landsberg 94C	cs,mass,pt
		Landsberg 93	mass
5charged X			
	200 – 400	Belaga 94B	cor,p
7charged X			
	200 – 400	Belaga 94B	cor,p
(showers) 10shower X			
	800	Parashar 95B	angp,col,p
nucleon baryon			
	70	Vavilov 94B	cs
nucleon exotic-nucleon			
	70	Balatz 94B	cs,pt
		Kurshetsov 94	cs,pt
		Landsberg 94B	cs
		Landsberg 94C	cs,pt
		Landsberg 93	cs
nucleon $N\phi(1950)^+$			
	70	Landsberg 94B	cs
p nucleon meson			
	70	Vavilov 94B	cs
p nucleon η			
	70	Kurshetsov 94	angp,mass

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$p\,p$

$2\pi^{\pm}$ mult[charged] X
400 Aguilarbenit 91B angp,cor,mult

$3\pi^{\pm}$ X
400 Aguilarbenit 91B angp,cor

$3\pi^{+}$ X
400 Aguilarbenit 91B angp,cor

$3\pi^{-}$ X
400 Aguilarbenit 91B angp,cor

K^{-} mult[charged^{+}] mult[charged^{-}] X
32 Zabrodin 95 cs,mult,p,pt

$3K^{-}$ X
400 Aguilarbenit 91 cs,mult

p mult[charged^{+}] mult[charged^{-}] X
32 Zabrodin 95 cs,mult,p,pt

$p\,n\,\pi^{+}$ X
1.49 Chiba 91 angp

$p\,K^{-}\,\pi^{+}\,e^{-}$ X
(62) Bari 91B mass

$p\,K^{-}\,\pi^{+}\,e^{+}$ X
(62) Bari 91B mass

$p\,D^{0}\,\pi^{-}\,e^{+}$ X
(62) Bari 91 mass,p

4charged X
400 Wang 95C cor,p

$2p\,K^{+}\,K^{-}$ X
800 Gutierrez 94 mass

$2p\,2K_S$ X
800 Gutierrez 94 mass,pt

$2p\,2\phi(1020)$ X
800 Gutierrez 94 mass

$\Lambda_c^{+}\,\pi^{+}\,2\pi^{-}\,e^{+}$ X
(62) Bari 91 mass,p

4charged (chargeds) X
400 Wang 95C col,p
Wang 94C col,mult,p
Wang 94D col,mult,p
Wang 94E col,p

5charged X
400 Wang 95C cor,p

$2p\,K^{+}\,K_S\,\pi^{-}$ X
800 Gutierrez 94 mass,pt

$2p\,K_S\,K^{-}\,\pi^{+}$ X
800 Gutierrez 94 mass,pt

6charged (neutrals)
200 – 400 Abduzhamilov 91 col,cor

$2p\,2\pi^{+}\,2\pi^{-}$ (neutrals)
27.5 Uribe 94 cor,p,pt

$2p\,2K^{+}\,2K^{-}$ X
800 Gutierrez 94 mass,pt

$2p\,3\pi^{+}\,3\pi^{-}$ (neutrals)
27.5 Uribe 94 cor,p,pt

$2p\,4\pi^{+}\,4\pi^{-}$ (neutrals)
27.5 Uribe 94 cor,p,pt

10charged (chargeds) X
400 Wang 95C col,p
Wang 94D col,mult,p
Wang 94E col,p

$2p\,5\pi^{+}\,5\pi^{-}$ (neutrals)
27.5 Uribe 94 cor,p,pt

$2p\,6\pi^{+}\,6\pi^{-}$ (neutrals)
27.5 Uribe 94 cor,p,pt

$p\,p$

dibaryon
(2.735) Ball 94B cs

$2e^{+}$
? Berger 91 –

$\mu^{+}\,e^{+}$
? Berger 91 –

$2\mu^{+}$
? Berger 91 –

nucleon ℓ^{+}
? Berger 91 –

$p\,e^{+}$
? Berger 91 –

$p\,\mu^{+}$
? Berger 91 –

$\Delta(1232\,P_{33})^{+}\,e^{+}$
? Berger 91 –

$\Delta(1232\,P_{33})^{+}\,\mu^{+}$
? Berger 91 –

$2\pi^{+}$
? Berger 91 –

n charged^{++}
1.037 Ram 93 cs

$2p$
0.045 Vanoers 93 cs
0.1686 – 0.5712 Henneck 93 asym,pol,pwa
0.221 Clajus 95 angp,pol,pwa
Kretschmer 94 angp,pol,pwa
0.287 Bruckner 91B angp
Bruckner 91C angp
(1.93 – 1.97) Beznogikh 91C cs,pt
0.5 – 2 Kobayashi 91 asym,mass,pol
0.6139 Vonprzewoski 91 pol
< 0.8828 Stoks 93 pwa
Stoks 92 const
1 – 3 Nagata 92 pol
1.079 – 1.455 Simon 93 angp
1.087 Hoffmann 94 angp,pol
1.09 – 1.921 Nagata 92 –
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
2.742 – 3.026 Ball 94B angp,cs,pol
3.88 Nakai 91 p
5.9 White 94B angp
6 Appel 91 cs
10 Appel 91 cs
24 Krisch 91 pol,pt
Nurushev 91 asym,pt
185 Yokosawa 92 angp,asym,pol
Yokosawa 91 angp,asym,pol
200 Akchurin 93 angp,asym,pol
Pumplin 92 angp
(53) Kundrat 92 amp,angp,cs
(< 62.5) Buenerd 92 angp

$p\,\Delta(1232\,P_{33})^{+}$
0.66 Budyashov 93 cs
6 Appel 91 cs

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
1.099 Abegg 91 angp,pol
2.032 – 3.204 Yonnet 93 angp,pol

$p\,p$

dibaryon^{+} π^{+}
1.604 Efremenko 94 cs,mass

dibaryon($S = -1$) K^{+}
3.099 Siebert 91 cs

^{2}He π^{0}
0.941 Matsuoka 95 angp

$2p\,\gamma$
0.7988 Przewoski 92 angp,mass,p

$2p$ meson^{0}
19 Danielsen 92 –
85 – 300 Armstrong 91 cs
450 Ishida 95 cs
Abatzis 94D mass,pwa

$2p\,\pi^{0}$
0.325 – 1.012 Rappenecker 95 angp,asym,cs,p
0.6 – 0.9 Andreev 94 angp,cs,mass,p
0.7782 – 0.8236 Bondar 95 angp,cs,mass,p
0.7857 – 0.8468 Meyer 92 cs
0.7872 Meyer 92 angp
0.7988 Przewoski 92 angp,mass,p
1.064 – 1.168 Didenlez 91 angp,cs,p
1.463 Comptour 94 cs,p,pol

$p\,n\,\pi^{+}$
0.7988 – 0.8384 Daehnick 95 angp,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

$2p\,\rho^{0}$
(12 – 24) Palano 92 angp,cs
85 – 300 Armstrong 91 cs

$2p\,\eta'$
300 Armstrong 91C –
Armstrong 91E –

$2p\,f_0(975)$
(12 – 24) Palano 92 angp,cs
85 – 300 Armstrong 91 cs
450 Ishida 95 cs
Kirk 94 –
Singovsky 94 –

$2p\,a_0(980)^{0}$
450 Alde 95B cs
Donskov 95 cs

$2p\,a_1(1260)$
85 Palano 92 –

$2p\,f_2(1270)$
(62) Breakstone 93 angp,cs,mass
(12 – 24) Palano 92 angp,cs
85 – 300 Armstrong 91 cs
450 Ishida 95 cs
Singovsky 94 –
(63) Palano 92 –

$2p\,f_1(1285)$
85 Palano 92 –
300 Armstrong 91C –
Armstrong 91E –
450 Abatzis 94D mass,pwa
Kirk 94 –

$2p\,a_2(1320)$
85 Palano 92 –

$2p\,a_2(1320)^{0}$
450 Alde 95B cs
Donskov 95 cs

$2p\,f_0(1400)$
(62) Breakstone 93 angp,cs,mass
(12 – 24) Palano 92 angp,cs

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p nucleus

π^+ X		
4.5 – 8.9	Bondarev 93	angp,p
70 – 400	Geist 91	a-dep,p,pt
π^- X		
4.5	Litvinenko 93	a-dep,angp,cs,p
4.5 – 8.9	Bondarev 93	angp,p
70 – 400	Geist 91	a-dep,p,pt
ρ^0 X		
70 – 400	Geist 91	a-dep,p,pt
100	Walker 91	mult
ω X		
100	Walker 91	mult
$f_2(1270)$ X		
100	Walker 91	mult
K^+ X		
4.5 – 8.9	Bondarev 93	angp,p
70 – 400	Geist 91	a-dep,p,pt
K^- X		
4.5 – 8.9	Bondarev 93	angp,p
70 – 400	Geist 91	a-dep,p,pt
K_S X		
70 – 400	Geist 91	a-dep,p,pt
360	Hsiung 92	–
	Iconomidoufa 91	–
	Kleinknecht 91	–
	Winstein 91	–
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(unspec) X		
370	Appel 92	a-dep
D X		
800	Lipton 92	a-dep,p,pt
D^+ X		
340	Adamovich 93D	mult
800	Kodama 92	cs
	Kodama 91	cs,p,pt
	Potter 91	cs
D^0 X		
800	Freyberger 94	–
	Kodama 91	cs,p,pt
	Kodama 91C	cs
	Potter 91	cs
D^- X		
340	Adamovich 93D	mult
$J/\psi(1S)$ X		
200	Geist 91	a-dep,pt
800	Garbincius 94	a-dep,p,pt
	Rossi 91	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	a-dep,p,pt
	Rossi 91	a-dep,p,pt
p X		
1 – 12	Nakai 91	angp,p
4.5	Litvinenko 93	a-dep,angp,cs,p
4.5 – 8.9	Bondarev 93	angp,p
70 – 400	Geist 91	a-dep,p,pt
n X		
1 – 12	Nakai 91	angp,p
$\bar{p}$ X		
70 – 400	Geist 91	a-dep,p,pt

p nucleus

$\Delta(1232\,P_{33})^{++}$ X		
20.8	Gulamov 91	cs,mult
Λ X		
70 – 400	Geist 91	a-dep,p,pt
$\overline{\Lambda}$ X		
70 – 400	Geist 91	a-dep,p,pt
Σ^+ X		
800	Lach 94	–
	Cooper 93	p,pol
	Lach 93	–
	Chen 92B	–
	Foucher 92	–
	Lach 92	–
Σ^- X		
24	Lach 93	p
	Lach 92	angp,p
$\overline{\Sigma}^-$ X		
800	Cooper 93	p,pol
Ξ^0 X		
70 – 400	Geist 91	a-dep,p,pt
Ξ^- X		
800	Cooper 93	p
Ω^- X		
800	Cooper 93	p
charmed-nucleus X		
70	Bunyatov 92	cs
250	Bunyatov 92	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	Bunyatov 92	cs
250	Bunyatov 92	cs
μ^- μ^+ X		
800	Garbincius 94	a-dep,mass,p,pt
	Leitch 92	mass
	Alde 91	mass
	Leitch 91	a-dep,mass,p,pt
	Alde 90B	mass
mult[grey] mult[fragb] X		
200.9	Dabrowska 93C	mult
mult[grey] mult[shower] X		
4.5	Ahmad 95	mult
800	Parashar 95	col,mult,p
	Shivpuri 95	mult
	Shivpuri 93C	cor,mult
mult[htrack] mult[shower] X		
4.5	Ahmad 95	mult
70	Maity 95	mult,p
200 – 400	Aggarwal 91	cor,mult,p
400	Nasr 92	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	Ahmad 95	mult
4.542	Andreeva 95B	cor,mult
200.9	Andreeva 95B	cor,mult
	Dabrowska 93C	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

p nucleus

hadron$^+$ hadron$^-$ X		
400	Fields 92	mass,pt
mult[grey] shower X		
4.5	Ahmad 93C	cor,mult
400 – 800	Shivpuri 94B	cor,mult,p
800	Soni 94	mult,p
	Golde 92	cor,mult,p
mult[htrack] shower X		
4.5	Ahmad 93C	cor,mult
10	Bobodjanov 91	angp,mult
70	Bobodjanov 91	angp,mult
200 – 400	Bobodjanov 91	mult
800	Soni 94	mult,p
mult[black] shower X		
4.5	Ahmad 93C	cor,mult
800	Soni 94	mult,p
2shower X		
1000	Melku 91	cor,p
grey mult[shower] X		
4.5	Ahmad 93C	cor,mult
mult[htrack] grey X		
10	Bobodjanov 91	mult
70	Bobodjanov 91	mult
200 – 400	Bobodjanov 91	mult
800	Soni 94	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	Bobodjanov 91	mult
800	Soni 94	mult,p
$\bar{c}$ c X		
70	Ammosov 92B	cs
350	Appel 92	ang
800	Spiegel 91	angp,mass,p,pt
π^+ hadron$^-$ X		
400	Fields 92	mass,pt
π^- hadron$^+$ X		
400	Fields 92	mass,pt
π^+ π^- X		
400	Fields 92	mass,pt
K^+ hadron$^-$ X		
400	Fields 92	mass,pt
K^- hadron$^+$ X		
400	Fields 92	mass,pt
K^+ π^- X		
400	Fields 92	mass,pt
800	Leitch 92	mass
K^- π^+ X		
400	Fields 92	mass,pt
K^+ K^- X		
400	Fields 92	mass,pt
charm $\overline{\text{charm}}$ X		
300	Appel 92	a-dep
800	Kwan 93	ang,cor,p,pt
	Kodama 91B	ang,angp,cor,mass,mult,p,pt
	Spiegel 91	cs
p hadron$^-$ X		
400	Fields 92	mass,pt

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p nucleus

$\bar{p}$ hadron$^+$ X
400 Fields 92 mass,pt

p htrack X
20.8 Gulamov 91 mult,p,pt

$p\ \gamma$ X
800 Foucher 92 ang,mass

$p\ \pi^+$ X
20.8 Gulamov 91 mass,p,pt

$p\ \pi^-$ X
400 Fields 92 mass,pt

$\bar{p}\ \pi^+$ X
400 Fields 92 mass,pt

$p\ K^-$ X
400 Fields 92 mass,pt

$\bar{p}\ K^+$ X
400 Fields 92 mass,pt

2p X
200 Albrecht 94E a-dep,cor

$p\ \bar{p}$ X
400 Fields 92 mass,pt

$K^-\ \pi^+\ \mu^+$ X
800 Kodama 92 mass

2charged (chargeds) X
400 Boos 95 col,cor,p
Ghosh 95C col,p

3charged X
200 – 400 Belaga 94B cor,p

(showers) 2shower X
4.5 Ghosh 94B ang,col
70 Maity 95 col
Maity 93 col
200 – 400 Belaga 95F ang,col,cor
Belaga 94C ang,col,cor
200 – 800 Sengupta 93 col,mult,p
200.9 Dabrowska 95B angp,col,p
800 Parashar 95C col,mult,p
Jain 93B angp,col,mult,p
Shivpuri 93B angp,col,mult,p
Shivpuri 93D angp,col,p

2grey (greys) X
4.5 Ghosh 94B ang,col
400 Ghosh 94 angp,col

2black (blacks) X
4.5 Ghosh 94B ang,col

$\pi^+\ \pi^-$ mult[grey] X
100 Walker 91 mass

p neutral (neutrals) X
800 Foucher 92 ang,mass

$p\ \pi^+$ (showers) X
20.8 Gulamov 91 ang,angp,cor

4charged X
200 – 400 Belaga 94B cor,p

mult[grey] (showers) 2shower X
800 Parashar 95C col,mult,p

grey (greys) (showers) shower X
4.5 Ghosh 94B ang,col

3grey (greys) X
800 Shivpuri 95B angp,col,mult

black (blacks) (showers) shower X
4.5 Ghosh 94B ang,col

5charged X
200 – 400 Belaga 94B cor,p

7charged X
200 – 400 Belaga 94B cor,p

p nucleus

(showers) 6shower X
400 Ghosh 93 mult,p

(showers) 10shower X
800 Parashar 95B angp,col,p

15htrack (htracks) (showers) 2shower X
200 – 800 Sengupta 93 col,mult,p

(showers) 45shower X
800 Shivpuri 93B angp,col,mult,p

nucleus p
185 Yokosawa 92 angp,asym,pol

nucleus $p\ \pi^+\ \pi^-$
1.604 Vorobiev 94C mass,mass

p deuteron

hadron X
450 Akesson 92B et

γ X
0.5414 – 0.6356 Clauton 92 angp,cs,p

π^+ X
4.45 – 8.9 Averichev 95 angp,p

π^- X
1.45 – 2.7 Aslanides 91 cs,mass,p,pol

η X
2.032 – 2.251 Chiavassa 94B angp,p

$J/\psi(1S)$ X
800 Conrad 95 a-dep,cs,p
Leitch 92 a-dep,cs,p,pt
Alde 91D p,pt
Leitch 91 a-dep,p,pt
Alde 90B a-dep,p,pt

$\psi(2S)$ X
800 Leitch 92 a-dep,cs
Leitch 91 a-dep

$\psi(3770)$ X
800 Alde 91D p,pt

$\Upsilon(1S)$ X
800 Leitch 92 a-dep,cs,p,pt
Alde 91 a-dep,cs,p,pt
Leitch 91 a-dep

$\Upsilon(3S)$ X + $\Upsilon(2S)$ X
800 Leitch 92 a-dep,cs,p,pt
Alde 91 a-dep,cs,p,pt

p X
0.6418 – 1.032 Burzynski 94 angp
1.09 Barlett 91 angp,pol
4.45 – 8.9 Averichev 95 angp,p
9 Belzer 92 a-dep,p

n X
1.457 Prout 95 angp,p
Prout 94 angp,cs,p,pol

^{3}He X
1.6 Nagata 92 angp,mass

2e^- X
5.762 Huang 94 mass,pt

$e^-\ e^+$ X
1.73 – 5.762 Wilson 94 cs
Wilson 93 mass
5.762 Huang 92 cs,mass,p

$\mu^-\ \mu^+$ X
450 Baldit 94 cs,mass,p
Nassalski 94 cs,mass,p
800 Conrad 95 a-dep,cs,mass,p,pt
Arneodo 92 a-dep,mass,p,pt
Leitch 92 a-dep,mass,p
Alde 91 a-dep,cs
Alde 90B a-dep

p deuteron

2γ X
2.032 – 2.251 Chiavassa 94B mass

$p\ \pi^+$ X
3.88 Nakai 91 mass

$p\ \pi^-$ X
3.88 Nakai 91 mass

^{3}He dibaryon X
1.6 Nagata 92 –

deuteron p
0.002 – 0.004 Shimizu 95 angp,pol
0.07509 Knutson 93 angp,pol,pwa
0.09699 – 0.1847 Sagara 94 angp,pol
0.6418 – 1.032 Burzynski 94 angp
1.271 – 1.455 Gulmez 91 angp

dibaryon p
0.9613 Burmistrov 95 cs
1.696 Aleshin 91 cs

^{3}He η
0.05308 Kessler 93 –
1.573 Abegg 94 –

^{3}He ω
2.032 – 2.679 Wurzinger 95 angp,p

2$p\ n$
0.3553 Allet 94 ang,angp,p,pol
0.6444 Pairsuwan 95 angp,p
0.6649 Calen 93 angp,cs,mass
0.8081 – 0.9543 Sakai 94 angp,p,pol
0.8354 – 1.082 Mercer 93 angp,pol
1.082 Taddeucci 94 angp,cs,pol
1.084 Chen 93 angp,cs,pol
Mcclelland 92 angp,cs,pol
1.273 – 1.45 Glass 93 angp,pol
1.696 Aleshin 94B cor
Aleshin 91 angp,p

deuteron $p\ \gamma$
0.9613 Burmistrov 95 angp,p

deuteron $p\ \pi^0$
0.6592 – 0.7998 Rohdjess 93 cs

$p\ {}^3$He

deuteron X
1.46 Nagata 92 angp,pol

2p X
0.6409 Miller 95 angp,cs,pol
0.6792 – 0.7927 Hausser 91 asym,p,pol
0.7927 Rahav 92B ang,dme,p,pt
Rahav 92C angp,p

$p\ n$ X
0.6409 Miller 95 angp,cs,pol
0.6792 – 0.7927 Hausser 91 asym,p,pol
0.7927 Rahav 92B ang,dme,p,pt
Rahav 92C angp,p

^{3}He p
0.2 – 0.5 Brash 95 angp,p,pol
Hausser 95 angp,p,pol
0.2941 Lee 93 angp,cs,pol
0.6409 Lee 93 angp,cs,pol
0.6792 – 1.09 Hausser 91 angp,asym,pol

^{4}He π^+
0.8081 – 1.099 Furutani 94 angp,p
Furutani 91 asym

$p\ {}^4$He

p X
0.4474 Raue 95 angp,cs

$p\,^4$He

Final state	p_{lab}	Reference	Data
^{5}He π^+	0.7127 – 1.09	Furutani 94	angp,p

p He

Final state	p_{lab}	Reference	Data
p X	1.09	Sterbenz 92	mass
He p	0.6792	Abdullin 92	angp
	1.09	Sterbenz 92	angp
He* p	1.09 – 1.463	Sterbenz 92	angp

p Li

Final state	p_{lab}	Reference	Data
meson X	300	Antoniazzi 94B	cs
η X	1.581 – 1.696	Chiavassa 92	angp
$h_c(1P)$ 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
$J/\psi(1S)\,\pi^-$ X	300	Antoniazzi 94B	mass
$\psi(2S)\,\pi^+$ X	300	Antoniazzi 94B	mass
$\psi(2S)\,\pi^-$ X	300	Antoniazzi 94B	mass
$\mu^-\,\mu^+\,\gamma$ X	300	Garbincius 94	mass
$J/\psi(1S)\,2\pi^+$ X	300	Antoniazzi 94B	mass
$J/\psi(1S)\,\pi^+\,\pi^0$ X	300	Antoniazzi 94B	mass
$J/\psi(1S)\,\pi^+\,\pi^-$ X	300	Antoniazzi 94B	mass
$J/\psi(1S)\,\pi^0\,\pi^-$ X	300	Antoniazzi 94B	mass
$J/\psi(1S)\,2\pi^-$ X	300	Antoniazzi 94B	mass

$p\,^6$Li

Final state	p_{lab}	Reference	Data
η X	1.696	Chiavassa 92B	angp,p
n X	0.6194	Wang 94B	angp,p
dibaryon X	1.696	Baturin 91B	cs
p mult[p] X	1.696	Baturin 91	mult
$2p$ X	1.696	Baturin 91	angp,col,mass,p
		Baturin 91B	angp,mass,p
$p\,\Delta(1232\,P_{33})$ X	1.696	Baturin 91	cs
^{6}Be n	0.6194	Rapaport 94	angp,pol
	0.8004	Wakasa 95	angp,pol
	0.8081 – 0.9543	Sakai 94	angp,p,pol

$p\,^7$Li

Final state	p_{lab}	Reference	Data
$J/\psi(1S)$ X	300	Sansoni 95	cs
		Antoniazzi 92	cs,mass
		Antoniazzi 92B	cs,p,pt
$\chi_{c1}(1P)$ X	300	Sansoni 95	cs
		Antoniazzi 94	cs,p
		Antoniazzi 92	cs
$\chi_{c2}(1P)$ X	300	Sansoni 95	cs
		Antoniazzi 94	cs,p
		Antoniazzi 92	cs
$\psi(2S)$ X	300	Sansoni 95	cs
		Antoniazzi 92	cs
		Antoniazzi 92B	cs
n X	0.6194	Wang 94B	angp,p
	0.7389 – 1.463	Stamer 93	angp,p
	0.9821	Iwasaki 91B	angp,p
$\mu^-\,\mu^+$ X	300	Sansoni 95	mass
		Antoniazzi 92	mass
		Antoniazzi 92B	mass
$J/\psi(1S)\,\gamma$ X	300	Sansoni 95	mass
		Antoniazzi 94	mass
		Antoniazzi 92	mass
$\mu^-\,\mu^+\,\gamma$ X	300	Sansoni 95	mass
		Antoniazzi 94	mass
		Antoniazzi 92	mass
^{7}Li p	0.6444	Glover 91	angp,cs,dme,pt
^{7}Li* p	0.6444	Glover 91	angp,cs,dme,pt
^{7}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

p Be

Final state	p_{lab}	Reference	Data
unspec X	450	Akesson 96	cs
charged X	14.6	Abbott 92B	cs,et,p
jet X	800	Boca 90	angp,mass,p,pt
hadron X	200	Akesson 92B	et,p
	450	Akesson 92B	et
hadron$^+$ X	800	Brown 96	a-dep,p,pt
		Boca 90	angp,mass,p,pt
hadron$^-$ X	800	Brown 96	a-dep,p,pt
		Boca 90	angp,mass,p,pt
longlived^0 X	450	Akesson 90G	cs
γ X	18	Stocker 95	p,pt
		Lissauer 94	p,pt
	450	Antos 93	pt
		Goerlach 92	pt
	500	Alverson 93	a-dep,angp,pt
		Alverson 91B	p,pt
π^+ X	10	Boyarinov 94	a-dep,angp
		Boyarinov 92	a-dep,angp,cs,p
	14.5	Schukraft 91	p

p Be

Final state	p_{lab}	Reference	Data
π^+ X	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
	450	Boggild 95C	pt
		Boggild 94	pt
	450.9	Polychronako 92	pt
	800	Straub 92	pt
		Straub 92B	pt
π^0 X	500	Alverson 93	a-dep,angp,pt
		Alverson 91	a-dep,p,pt
		Alverson 91B	p,pt
π^- X	10	Boyarinov 94	a-dep,angp
		Boyarinov 92	a-dep,angp,cs,p
	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
	450	Boggild 95C	pt
		Boggild 95D	p,pt
		Boggild 94	pt
	450.9	Polychronako 92	pt
	800	Straub 92	pt
		Straub 92B	pt
η X	500	Alverson 93	a-dep,angp,pt
K^+ X	10	Boyarinov 94	a-dep,angp
		Boyarinov 92C	a-dep,angp,cs,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
		Gavrishchuk 91C	a-dep,angp,p
	15.51	Kaufman 92	p,pt
	450	Boggild 95C	pt
		Boggild 94	pt
	450.9	Polychronako 92	pt
	800	Straub 92	pt
		Straub 92B	pt
K^- X	10	Boyarinov 94	a-dep,angp
		Boyarinov 92C	a-dep,angp,cs,p
	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
		Gavrishchuk 91C	a-dep,angp,p
	450	Boggild 95C	pt
		Boggild 95D	p,pt
		Boggild 94	pt

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p Be

K^- X		
450.9	Polychronako 92	pt
800	Straub 92	pt
	Straub 92B	pt
K_S X		
360	Barr 95B	p
	Perdereau 92	–
360 – 450	Barr 93	–
800	Gibbons 95C	–
	Matthews 95B	p
	Hsiung 94	–
	Ramberg 92	–
K_L X		
13	Akagi 94	–
	Akagi 92	p
	Inagaki 91	p
	Inagaki 91B	p
360	Barr 95B	p
450	Barr 95	p
	Barr 95C	–
	Kreutz 95	p
	Perdereau 92	–
	Barr 91	p
	Serin 91B	–
800	Conrad 95	–
	Gibbons 95C	–
	Matthews 95B	p
	Schwingenheu 95	–
	Spencer 95	–
	Gu 94	–
	Hsiung 94	–
	Nakaya 94	–
	Roberts 94	–
	Weaver 94	–
	Gibbons 93	–
	Gibbons 93B	–
	Harris 93	–
	Harris 93B	–
	Hsiung 92	–
	Ramberg 92	–
	Ramberg 92B	p
	Somalwar 92	p
	Barker 91	–
	Kleinknecht 91	–
	Winstein 91	–
D^+ X		
250	Appel 94	cs,p
D^0 X		
800	Leitch 94	a-dep,cs,p,pt
	Jansen 93	a-dep,cs
	Kaplan 93	a-dep,cs
	Peng 92	a-dep,cs
$\overline{D}^0$ X		
800	Leitch 94	a-dep,cs,p,pt
D^- X		
250	Appel 94	cs,p
D_s^+ X		
250	Appel 94	cs,p
D_s^- X		
250	Appel 94	cs,p
$J/\psi(1S)$ X		
530	Abramov 91B	cs,p,pt
800	Leitch 95	a-dep,p,pt
	Kowitt 94	a-dep,p
	Jansen 93	a-dep,p
	Kowitt 92	a-dep,p
	Leitch 92	a-dep,p
DD $<p>$ X		
450	Akesson 90F	a-dep,angp,mass,mult,p,pt
p X		
10	Boyarinov 94	a-dep,angp
	Boyarinov 92B	a-dep,angp,cs,p
14.5	Schukraft 91	p
14.6	Abbott 92	angp,p,pt
	Abbott 91B	p,pt
	Abbott 91C	angp,p,pt

p Be

p X		
	Bloomer 90	p,pt
15.51	Kaufman 92	p,pt
16.97 – 63.99	Gavrishchuk 91	a-dep,pol
17.98 – 63.99	Nurushev 91	angp,p,pol
450	Boggild 95C	pt
	Boggild 94	pt
450.9	Polychronako 92	pt
800	Straub 92	pt
	Straub 92B	pt
$\overline{p}$ X		
10	Boyarinov 94	a-dep,angp
	Boyarinov 93	a-dep,angp
10.1	Sibirtsev 91	a-dep,angp,p
10.14	Boyarinov 91	a-dep,angp,p
14.6	Abbott 93	a-dep,p,pt
450	Boggild 95C	pt
	Boggild 94	pt
450.9	Polychronako 92	pt
800	Straub 92	pt
	Straub 92B	pt
Λ X		
28.5	Yokosawa 91	cs,p,pol,pt
60 – 300	Lach 92	angp,cs,p
300	Lach 94	pol,pt
	Lach 93	pol,pt
400	Lach 94	pol
	Lach 93	pol
	Lach 92	pol
800	Wallace 95	p
	Ramberg 94	p,pol,pt
$\overline{\Lambda}$ X		
65 – 135	Lach 92	angp,p
300	Lach 92	pol,pt
400	Lach 94	pol
	Lach 93	pol
	Lach 92	pol
800	Ramberg 94	p,pol,pt
Σ X		
800	Wallace 95	p
Σ^+ X		
400	Lach 94	pol
	Lach 93	pol
	Lach 92	pol
Σ^0 X		
22	Yokosawa 91	p,pol
28.5	Yokosawa 91	cs,p,pol,pt
Σ^- X		
29.4	Lach 94	p
	Lach 93	p
	Lach 92	angp,p
Ξ^- X		
29.4	Lach 94	p
	Lach 93	p
	Lach 92	angp,p
400	Lach 94	p,pol
	Lach 93	p,pol
	Lach 92	p,pol
800	Lach 94	pol
	Lach 93	pol
	Duryea 92	–
	Lach 92	pol
	Duryea 91	angp,p,pol
	Ho 91	angp,p,pol
	Yokosawa 91	angp,p,pol
Ξ^+ X		
800	Lach 94	pol
	Lach 93	pol
	Lach 92	pol
	Ho 91	angp,p,pol
	Yokosawa 91	angp,p,pol

p Be

Ω^- X		
400	Lach 94	–
	Lach 93	–
	Lach 92	–
800	Luk 93	pol
deuteron X		
14.6	Abbott 92	angp,p,pt
17.98 – 63.99	Nurushev 91	angp,p,pol
$2e^-$ X + $2e^+$ X		
450	Akesson 94	a-dep,cs,mass
e^- e^+ X		
1.696 – 5.762	Seidl 91	cs
5.762	Huang 91	mass
	Seidl 91	mass
13	Akagi 94	ang,mass
	Akagi 92	ang,mass
	Inagaki 91	ang,mass
200	Agakichiev 95	mass
	Tserruya 95	mass
450	Ceretto 95	mass
	Tserruya 95	mass
	Akesson 94	a-dep,cs,mass
	Baur 93	mass
	Goerlach 92	mass
μ^- e^+ X		
13	Akagi 94	ang,mass
	Inagaki 91	ang,mass
450	Akesson 96	a-dep,cs,mass
μ^+ e^- X		
13	Akagi 94	ang,mass
	Inagaki 91	ang,mass
450	Akesson 96	a-dep,cs,mass
$2\mu^-$ X		
450	Akesson 94	mass
μ^- μ^+ X		
13	Akagi 94	ang,mass
	Inagaki 91B	ang,mass
450	Akesson 94	mass,p,pt
	Goerlach 92	mass
800	Leitch 95	mass
	Kowitt 94	mass,p,pt
	Kowitt 92	mass,p,pt
$2\mu^+$ X		
450	Akesson 94	mass
2charged X		
400	Fields 92	p
2jet X		
800	Fields 92	a-dep,angp,col,et
	Boca 90	angp,mass,p,pt
2hadron$^+$ X		
800	White 93	a-dep,ang,mass,pt
	Boca 90	angp,mass,p,pt
	Streets 89	a-dep,ang,mass,pt
hadron$^+$ hadron$^-$ X		
800	Brown 96	a-dep,cor,mass,p,pt
	White 93	a-dep,ang,mass,pt
	Straub 92B	mass,pt
	Boca 90	angp,mass,p,pt
	Streets 89	a-dep,ang,mass,pt
2hadron$^-$ X		
800	White 93	a-dep,ang,mass,pt
	Boca 90	angp,mass,p,pt

p Be

Final state / p_{lab}	Reference	Data
2hadron$^-$ X		
	Streets 89	a-dep,ang,mass,pt
γ charged X		
500	Alverson 93B	ang,mult,p,pt
γ jet X		
500	Alverson 93B	angp,mass,pt
2γ X		
360	Barr 95B	mass,p
500	Alverson 93	mass
	Alverson 91	mass,p,pt
π^0 charged X		
70	Balatz 92	cs,p
500	Alverson 93B	ang,mult,p,pt
π^0 jet X		
500	Alverson 93B	angp,mass,pt
2π X		
70	Gavrilov 92	mass
$2\pi^0$ X		
360	Barr 95B	mass,p
$\pi^+ \pi^-$ X		
13	Akagi 94	ang,mass
	Akagi 92	ang,mass
	Inagaki 91	ang,mass
	Inagaki 91B	ang,mass
800	Straub 92	mass,pt
η charged X		
70	Balatz 92	cs,p
ω charged X		
70	Balatz 92	cs,p
$K^+ \pi^-$ X + $K^- \pi^+$ X		
800	Jansen 93	mass
$K^+ \pi^-$ X		
800	Straub 92	mass,pt
$K^- \pi^+$ X		
800	Straub 92	mass,pt
$K^+ K^-$ X		
800	Straub 92	mass,pt
charm $\overline{\text{charm}}$ X		
450	Akesson 96	cs
$p \pi^-$ X		
800	Straub 92	mass,pt
$\bar{p} \pi^+$ X		
800	Straub 92	mass,pt
$p K^-$ X		
800	Straub 92	mass,pt
$\bar{p} K^+$ X		
800	Straub 92	mass,pt
$p \bar{p}$ X		
800	Straub 92	mass,pt
$e^- e^+ \gamma$ X		
450	Ceretto 95	mass
	Akesson 94	mass
$2\mu^-$ mult[charged] (neutrals)		
450	Akesson 94	mass,mult
$\mu^- \mu^+$ mult[charged] (neutrals)		
450	Akesson 94	mass,mult
$2\mu^+$ mult[charged] (neutrals)		
450	Akesson 94	mass,mult
$\mu^- \mu^+$ charged X		
530	Abramov 91B	mass,mult,p,pt
$\mu^- \mu^+ \gamma$ X		
450	Akesson 94	mass
800	Spencer 95	cor,mass,pt
$\pi^0 2\gamma$ X		
800	Papadimitrio 91	mass

p Be

Final state / p_{lab}	Reference	Data
$\pi^+ \pi^- \gamma$ X		
800	Ramberg 92	mass,p,pt
$K^+ 2\pi^-$ X		
250	Appel 94	mass
$K^- 2\pi^+$ X		
250	Appel 94	mass
$K^+ K^- \pi^+$ X		
250	Appel 94	mass
$K^+ K^- \pi^-$ X		
250	Appel 94	mass
$p 2\pi^-$ X		
800	Lach 92	angp,mass
	Yokosawa 91	angp,mass
$\bar{p} 2\pi^+$ X		
800	Lach 92	angp,mass
	Yokosawa 91	angp,mass
$p K^- \pi^-$ X		
400	Lach 94	mass
	Lach 93	mass
	Lach 92	mass
$2e^- 2e^+$ X		
13	Akagi 94	ang,mass
	Akagi 92	ang,mass
Be $\Delta(1232 P_{33})^{++} \pi^-$		
70	Balatz 93	mass
Be $\Sigma(1385 P_{13})^0 K^+$		
70	Balatz 93	mass

p Bor

Final state / p_{lab}	Reference	Data
η X		
1.696	Chiavassa 94C	p
2γ X		
1.696	Chiavassa 94C	mass

p ^{10}Bor

Final state / p_{lab}	Reference	Data
n X		
0.6194	Wang 94B	angp,p,pol
^{10}C n		
0.6194	Rapaport 94	angp,pol
	Wang 94B	angp,p

p ^{11}Bor

Final state / p_{lab}	Reference	Data
n X		
0.6194	Wang 94B	angp,p
^{11}C n		
0.6194	Rapaport 94	angp,pol
0.8004	Wakasa 95	angp,pol
0.8081 – 0.9543	Sakai 94	angp,p,pol

p C

Final state / p_{lab}	Reference	Data
mult[charged$^-$] X		
4.2	Batskovich 91	cor,mult,p
mult[π^+] X		
1.463 – 2.359	Trzaska 91C	cs,mult
mult[π^-] X		
1.463 – 2.359	Trzaska 91C	cs,mult
1.7	Ermakov 94	mult
mult[nucleon] X		
4.2 – 10	Dedovich 94	angp,cor,p,pt
	Kuznetsov 93	cor,mult,p
mult[p] X		
1.463 – 2.359	Trzaska 91C	cs,mult
200.9	Albrecht 93G	a-dep,mult
mult[fragt] X		
1.463 – 2.359	Lemaire 91	mult
charged X		
14.6	Abbott 92B	cs,et,p

p C

Final state / p_{lab}	Reference	Data
γ X		
0.4539 – 0.5414	Clauton 92B	angp,cs,p
0.5414 – 0.6356	Clauton 92	angp,cs,p
200.9	Albrecht 91	pt
	Albrecht 91O	cs
π X		
70	Gavrilov 92	pt
$\pi^\pm$ X		
4.9	Schmidt 92	a-dep,p
60 – 200	Stocker 95	a-dep,p
	Schmidt 92	a-dep,p
200.9	Kampert 92	a-dep,p
π^+ X		
0.8233 – 0.989	Julien 94	angp,p
1.463 – 2.359	Lemaire 91B	angp,mult
	Trzaska 91C	cs
3.308 – 8.989	Baldin 92	cs
10	Armutlijsky 91	a-dep,angp
14.97 – 60.99	Gavrishchuk 91B	p
15 – 65	Belyaev 93	a-dep,angp,p
π^0 X		
4.5	Abraamyan 94B	a-dep,p,pt
	Abraamyan 94C	a-dep,angp,p
200.9	Albrecht 91	pt
	Albrecht 91O	cs
π^- X		
1.463 – 2.359	Lemaire 91B	angp,mult
	Trzaska 91C	cs
1.7	Ermakov 94	angp,cs,p
4.2	Bekmirzaev 93	p,pt
10	Armutlijsky 91	a-dep,angp
14.97 – 60.99	Gavrishchuk 91B	p
15 – 65	Belyaev 93	a-dep,angp,p
η X		
1.581 – 1.696	Chiavassa 92	angp
1.696	Chiavassa 92B	angp,p
$K^\pm$ X		
3.308 – 8.989	Baldin 92	cs
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
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
$\phi(1020)$ X		
450	Fredj 91	a-dep,cs,p,pt
$J/\psi(1S)$ X		
200	Baglin 95	cs
450	Fredj 91	a-dep,cs,p,pt
800	Conrad 95	a-dep,cs,p
	Leitch 95	a-dep,p,pt
	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
$\psi(2S)$ X		
200	Baglin 95	cs
450	Fredj 91	a-dep,cs,p,pt
800	Leitch 92	a-dep,cs
	Leitch 91	a-dep
	Spiegel 91	a-dep

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$p\,C$

Reaction / Momentum	Reference	Data descriptors
$\psi(2S)\,X$		
	Alde 90B	a-dep
$\psi(3770)\,X$		
800	Alde 91D	p,pt
$\Upsilon(1S)\,X$		
800	Leitch 92	a-dep,cs
	Alde 91	a-dep,cs,p,pt
	Leitch 91	a-dep
	Spiegel 91	a-dep
$\Upsilon(3S)\,X + \Upsilon(2S)\,X$		
800	Leitch 92	a-dep,cs
	Alde 91	a-dep,cs,p,pt
	Spiegel 91	a-dep
$p\,X$		
3.88	Nakai 91	p
4.2	Bekmirzaev 94	angp,mult,p,pt
	Agakishiev 92	a-dep,angp,cs,p
	Backovic 92C	a-dep,angp,p
4.9	Schmidt 92	a-dep,p
9	Belzer 92	a-dep,p
16.97 – 63.99	Gavrishchuk 91	a-dep,pol
17.98 – 63.99	Nurushev 91	angp,p,pol
60 – 200	Stocker 95	a-dep,p
	Schmidt 92	a-dep,p
200.9	Albrecht 93G	angp,p
	Albrecht 92T	angp
	Kampert 92	a-dep,p
$n\,X$		
1.463 – 3.825	Ishibashi 94	angp,p
1.49	Chiba 91	angp
$\bar{p}\,X$		
4.338 – 5.864	Chiba 94	a-dep,p
	Chiba 93	a-dep,p
4.491	Baldin 95	a-dep,angp
$\Delta(1232\,P_{33})^{++}\,X$		
2.359	Trzaska 91C	cs
$\Delta(1232\,P_{33})^0\,X$		
2.359	Trzaska 91C	cs
$\Lambda\,X$		
3 – 7.5	Vorobiev 91	a-dep,angp,p,pol
7.5	Degtyarenko 91	angp,p
	Smirnitsky 91	pol
deuteron X		
4.9	Schmidt 92	a-dep,p
17.98 – 63.99	Nurushev 91	angp,p,pol
60 – 200	Stocker 95	a-dep,p
	Schmidt 92	a-dep,p
200.9	Kampert 92	a-dep,p
dibaryon X		
1.696	Baturin 91B	cs
4.2	Didenko 91B	ang
dibaryon($S=-2$) X		
10	Shakhbazyan 95	–
	Shakhbazyan 93B	–
dibaryon($S=-2$)$^+$ X		
10	Shakhbazyan 93B	–
	Shakhbazyan 92B	cs
dibaryon($S=-2$)* X		
10	Shakhbazyan 95	–
tribaryon X		
4.2	Didenko 91B	ang
^{3}He X		
1.46	Barlow 92	a-dep,angp,p
^{4}He X		
1.46	Barlow 92	a-dep,angp,p
^{11}C X		
14.51	Cumming 93B	cs

$p\,C$

Reaction / Momentum	Reference	Data descriptors
$\mu^-\,\mu^+\,X$		
450	Fredj 91	a-dep,mass,p,pt
800	Conrad 95	a-dep,cs,mass,p,pt
	Leitch 95	mass
	Arneodo 92	a-dep,mass,p,pt
	Leitch 92	a-dep,mass,p
	Mcgaughey 92	mass
	Alde 91	a-dep,cs
	Spiegel 91	a-dep
	Alde 90B	a-dep
(p's) ($\pi^{\pm}$'s) X		
4.2	Baatar 91	col,mult,p
mult[p] mult[$\pi^{\pm}$] X		
4.2	Strugalski 92B	mult
mult[π^+] mult[fragt] X		
1.463 – 2.359	Lemaire 91	mult
mult[π^-] mult[fragt] X		
1.463 – 2.359	Lemaire 91	mult
2jet X		
800	Fields 92	a-dep,angp,col,et
$2\gamma\,X$		
4.5	Abraamyan 94B	mass
	Abraamyan 94C	angp,mass
(p's) $\pi^{\pm}$ X		
4.2	Strugalski 92B	angp,p
π^+ mult[fragt] X		
1.463 – 2.359	Lemaire 91	mult
	Lemaire 91B	angp,mult
π^- mult[fragt] X		
1.463 – 2.359	Lemaire 91	mult
	Lemaire 91B	angp,mult
$2\pi^+\,X$		
7.5	Vlasov 92	a-dep,ang,angp,cor,p
$\pi^+\,\pi^-\,X$		
2.359	Pluta 93	cor,mass
4.2 – 10	Pluta 93	cor,mass
p ($\pi^{\pm}$'s) X		
4.2	Strugalski 92B	angp,p
$p\,\pi^+\,X$		
1.463 – 2.359	Trzaska 91C	cs
3.88	Nakai 91	mass
7.5	Vlasov 92	a-dep,ang,angp,cor,p
$p\,\pi^-\,X$		
1.463 – 2.359	Trzaska 91C	cs
3.88	Nakai 91	mass
$n\,\pi^+\,X$		
1.49	Chiba 91	angp,mass
$2p\,X$		
1.696	Baturin 91	angp,col,mass,p
	Baturin 91B	angp,mass,p
3 – 7.5	Vlasov 95	a-dep,ang,cor,p
7.5	Doroshkevich 94	cor,pt
200.9	Awes 95	angp,cor
$p\,n\,X$		
1.49	Chiba 91	angp
deuteron π^+ X		
7.5	Vlasov 92	a-dep,ang,angp,cor,p
2charged (chargeds) X		
4.2	Angelov 94	col,cor
$2p$ (p's) X		
4.2	Bazarov 94	angp,col

$p\,C$

Reaction / Momentum	Reference	Data descriptors
$2p\,\pi^+\,X$		
1.463 – 2.359	Trzaska 91C	cs
$2p\,\pi^-\,X$		
1.463 – 2.359	Trzaska 91C	cs
$p\,n\,\pi^+\,X$		
1.49	Chiba 91	angp
$3p\,X$		
1.294	Budyashov 92B	angp,mass,p
	Budyashov 92D	ang,mass,p
	Budyashov 91B	angp,mass,p
$2p\,n\,X$		
1.49	Chiba 91	angp
$2p$ (p's) ($\pi^{\pm}$'s) X		
10	Angelov 92	ang,cor,p
$3p\,\pi^+\,X$		
1.463 – 2.359	Trzaska 91C	cs
$3p\,\pi^-\,X$		
1.463 – 2.359	Trzaska 91C	cs
dibaryon($S=-2$) $n\,2K^+$ X		
10	Shakhbazyan 92C	cs,mass
$C^*\,p$		
0.8354	Lyndon 92	p,pol
C exotic-nucleon		
70	Balatz 94C	cs,pt
	Golovkin 94	cs,pt
	Landsberg 94C	cs,mass,p,pt
	Vavilov 94C	cs
	Balatz 93	cs
C $N(2000\,B)^+$		
70	Golovkin 95	cs,pt
	Vavilov 95	cs,pt
C $N(2050\,B)^+$		
70	Golovkin 95	cs,pt
	Vavilov 95	cs,pt
C $N\phi(1950)^+$		
70	Balatz 94C	cs,pt
	Landsberg 94C	cs,mass,p,pt
	Balatz 93	cs
^{13}Nit π^0		
0.5592 – 0.6515	Homolka 92	angp,cs
DD $<p\,\eta>$ C		
70	Golovkin 95	cs,mass,p,pt
DD $<p\,\omega>$ C		
70	Vavilov 95B	angp,cs
DD $<p\,\eta'>$ C		
70	Golovkin 95	cs,mass,p,pt
DD $<p\,\phi(1020)>$ C		
70	Vavilov 95B	angp,cs
	Vavilov 94C	mass,pt
DD $<\Delta(1232\,P_{33})^{++}\,\pi^->$ C		
70	Golovkin 95	cs,mass,p,pt
DD $<\Lambda(1520\,D_{03})\,K^+>$ C		
70	Vavilov 94C	mass,pt
DD $<\Sigma^0\,K^+>$ C		
70	Golovkin 95	cs,mass,p,pt
	Vavilov 95	cs,mass,p,pt
C $\Sigma^0\,K^+$		
70	Golovkin 94	cs,mass,p,pt
	Landsberg 94C	cs,pt
C $\Sigma(1385\,P_{13})^0\,K^+$		
70	Balatz 94C	mass,p,pt

p C

Reaction / Momentum	Reference	Data
C $\Sigma(1385\,P_{13})^0$ K^+		
	Golovkin 94	cs,mass,p,pt
	Landsberg 94C	cs,pt
	Vavilov 94	mass
	Balatz 93	mass
DD < $\Sigma(1385\,P_{13})^0$ K^+ > C		
70	Golovkin 95	cs,mass,p,pt
	Vavilov 95	cs,mass,p,pt
DD < p π^+ π^- > C		
70	Golovkin 95	cs,mass,p,pt
DD < p K^+ K^- > C		
70	Vavilov 95B	angp,mass
	Vavilov 94C	mass,pt
C p K^+ K^-		
70	Balatz 94C	mass,p,pt
	Landsberg 94C	cs,pt
C Λ K^+ γ		
70	Golovkin 94	cs,mass,p,pt
	Landsberg 94C	cs,pt
DD < Λ K^+ γ > C		
70	Vavilov 95	cs,mass,p,pt
C Λ K^+ π^0		
70	Balatz 94C	mass,p,pt
	Golovkin 94	cs,mass,p,pt
	Landsberg 94C	cs,pt
DD < Λ K^+ π^0 > C		
70	Vavilov 95	cs,mass,p,pt
C Σ^+ K^+ π^-		
70	Balatz 94C	mass,p,pt
	Landsberg 94C	cs,pt
DD < p π^+ π^0 π^- > C		
70	Golovkin 95	cs,mass,p,pt
	Vavilov 95B	angp,mass
DD < p η π^+ π^- > C		
70	Golovkin 95	cs,mass,p,pt

p ^{12}C

Reaction / Momentum	Reference	Data
mult[charged] (neutrals)		
4.2 − 10	Angelov 91	col,mult
π^0 X		
0.5681	Dementiev 92	angp
p X		
0.4446 − 0.9543	Sakemi 94	angp,pol
0.6444	Wissink 94	angp,pol
1.09	Barlett 91	angp,pol
n X		
0.6194	Wang 94B	angp,p
0.7927 − 0.9821	Hicks 93	angp,cs,pol
1.084 − 1.457	Prout 95	angp,p,pol
1.457	Prout 94	angp,cs,p,pol
dibaryon($S = -2$) X		
10	Shakhbazyan 91	cs,mass
dibaryon($S = -2$)$^+$ X		
10	Shakhbazyan 93	cs
dibaryon($S = -3$) X		
10	Shakhbazyan 92	cs,mass
^{2}He X		
0.941	Matsuoka 95	angp
2γ X		
0.536 − 0.5681	Dementiev 92	mass
p γ X		
0.4446 − 0.9543	Sakemi 94	angp,pol

p ^{12}C

Reaction / Momentum	Reference	Data
p γ X		
0.6444	Wissink 94	angp,pol
p n X		
0.8354 − 1.082	Mercer 93	angp,pol
1.082	Taddeucci 94	angp,cs,pol
1.084	Chen 93	angp,cs,pol
	Mcclelland 92	angp,cs,pol
dibaryon($S = -2$) K^+ X		
10	Shakhbazyan 92	cs,mass
3p X		
0.66	Budyashov 93	angp,p
4charged neutral X		
10	Shakhbazyan 95	p
^{12}C p		
0.6444	Yu 96	angp,p
1.087	Flanders 91	angp,cs,dme,pol
^{12}C* p		
0.3553 − 0.9543	Sakemi 95	cs,p
0.6444	Yu 96	angp,p
^{12}Nit n		
0.6194	Rapaport 94	angp,pol
	Wang 94B	angp,p
0.6444	Yu 96	angp,p
0.8004	Wakasa 95	angp,pol
0.8081 − 0.9543	Sakai 94	angp,p,pol
^{12}Nit* n		
0.6444	Yu 96	angp,p
^{13}Nit π^0		
0.5451	Pickar 93	angp,cs,pol

p ^{13}C

Reaction / Momentum	Reference	Data
n X		
0.6194	Wang 94B	angp,p
^{13}C p		
0.6444	Yu 96	angp,p
^{13}C* p		
0.6444	Yu 96	angp,p
^{13}Nit n		
0.6194	Rapaport 94	angp,pol
0.6444	Yu 96	angp,p
0.8004	Wakasa 95	angp,pol
0.8081 − 0.9543	Sakai 94	angp,p,pol

p ^{14}C

Reaction / Momentum	Reference	Data
p n X		
1.082	Mercer 93	angp,pol

p ^{16}O

Reaction / Momentum	Reference	Data
^{16}O p		
1.087	Flanders 91	angp,cs,dme,pol
^{16}O* p		
1.087	Flanders 91	angp,cs,dme,pol
^{16}Fl n		
0.5211	Watson 94	angp,pol
1.082	Mercer 94	angp,cs,p
^{15}Nit 2p		
0.5533	Cowley 91	angp

p ^{18}O

Reaction / Momentum	Reference	Data
p X		
1.463	Deswiniarski 93	angp,p
^{18}O p		
1.463	Deswiniarski 93	angp,p
^{18}Fl n		
1.082	Mercer 94	angp,cs,p

p Ne

Reaction / Momentum	Reference	Data
n X		
300	Muminov 93	mult,p
γ mult[charged$^-$] X		
300	Yuldashev 90C	cor,mult,p

p ^{20}Ne

Reaction / Momentum	Reference	Data
mult[π^+] X		
300	Yuldashev 90D	angp,mult
mult[π^-] X		
300	Yuldashev 90D	angp,mult
mult[p] X		
300	Yuldashev 90D	angp,mult
γ X		
300	Yuldashev 90C	mult,p,pt
π^+ X		
300	Yuldashev 90D	angp,mult,p
π^0 X		
300	Yuldashev 90C	mult,p,pt
π^- X		
300	Yuldashev 90D	angp,mult,p
η X		
300	Yuldashev 90C	mult,p,pt
ρ^0 X		
300	Yuldashev 90D	angp,cs
ω X		
300	Yuldashev 90D	angp,cs
K_S X		
300	Yuldashev 90B	a-dep,cs,mult,p,pt
	Yuldashev 90D	angp,mult
p X		
300	Yuldashev 90B	p
	Yuldashev 90D	angp,mult,p
$N(1440\,P_{11})^0$ X		
300	Yuldashev 90D	angp,cs
$\Delta(1232\,P_{33})^{++}$ X		
300	Yuldashev 90D	angp,cs
$\Delta(1232\,P_{33})^0$ X		
300	Yuldashev 90D	angp,cs
Λ X		
300	Yuldashev 90B	a-dep,cs,mult,p,pt
	Yuldashev 90D	angp,mult
$\overline{\Lambda}$ X		
300	Yuldashev 90B	a-dep,cs,mult,p,pt
Σ^0 X		
300	Yuldashev 90B	mult
γ mult[grey] X		
300	Yuldashev 90C	cor,mult,p,pt
2γ X		
300	Yuldashev 90C	mass
π^+ mult[grey] X		
300	Yuldashev 90D	angp,mult
π^- mult[grey] X		
300	Yuldashev 90D	angp,mult
K_S mult[charged$^-$] X		
300	Yuldashev 90B	cor,mult

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$p\ ^{20}$Ne

K_S mult[grey] X
300 Yuldashev 90B cor,mult

$K_S\ \pi^0$ X
300 Yuldashev 90B mass

p mult[grey] X
300 Yuldashev 90D angp,mult

$p\ \pi^\pm$ X
300 Edgorov 92 angp,mass,p

$p\ \pi^+$ X
300 Yuldashev 90D angp,mass

$p\ \pi^-$ X
300 Yuldashev 90D angp.mass

$2p$ X
300 Edgorov 92 angp,p

Λ mult[charged$^-$] X
300 Yuldashev 90B cor,mult

Λ mult[grey] X
300 Yuldashev 90B cor,mult

$\Lambda\ \gamma$ X
300 Yuldashev 90B mass

$\Lambda\ \pi^0$ X
300 Yuldashev 90B mass

$p\ ^{23}$Na

^{22}Ne $2p$
1.696 Vorobiev 94 angp,p

^{22}Na $p\ n$
1.696 Vorobiev 94 angp,p

p Mg

π^+ X
100 Whitmore 94 mult,p,pt

π^- X
100 Whitmore 94 mult,p,pt

K^0 X + $\overline{K}^0$ X
200 Brick 92 a-dep,cs,mult,p

p X
100 Whitmore 94 mult,p

Λ X
200 Brick 92 a-dep,cs,mult,p

$\overline{\Lambda}$ X
200 Brick 92 a-dep,cs,mult,p

mult[p] charged$^-$ X
200 Geist 91 cor,mult

p Al

X
14.6 Stocker 95 et
Rosati 94 et

mult[p] X
200.9 Albrecht 93G a-dep,mult

charged X
14.6 Barrette 95D et,mult,p
Stocker 95 angp,mult
Rosati 94 angp,mult
Abbott 92B cs,et,p

jet X
800 Boca 90 angp,mass,p,pt

hadron X
200 Akesson 92B et,p

p Al

hadron X
450 Akesson 92B et

hadron$^+$ X
800 Boca 90 angp,mass,p,pt

hadron$^-$ X
800 Boca 90 angp,mass,p,pt

$\pi^\pm$ X
4.9 Schmidt 92 a-dep,p
60 – 200 Stocker 95 a-dep,p
Schmidt 92 a-dep,p

π^+ X
10 Boyarinov 94 a-dep,angp
Boyarinov 92 a-dep,angp,cs,p
14.6 Abbott 92 angp,p,pt
15 – 65 Belyaev 93 a-dep,angp,p
15.97 – 63.99 Gavrishchuk 91B p

π^0 X
0.5681 Dementiev 92 angp

π^- X
1 – 12 Nakai 91 angp,p
10 Boyarinov 94 a-dep,angp
Boyarinov 92 a-dep,angp,cs,p
14.6 Abbott 93 a-dep,p,pt
Abbott 92 angp,p,pt
15 – 65 Belyaev 93 a-dep,angp,p
15.97 – 63.99 Gavrishchuk 91B p

η X
1.696 Chiavassa 92B angp,p

K^+ X
10 Boyarinov 94 a-dep,angp
Boyarinov 92C a-dep,angp,cs,p
14.6 Abbott 92 angp,p,pt
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

K^- X
10 Boyarinov 94 a-dep,angp
Boyarinov 92C a-dep,angp,cs,p
14.6 Abbott 93 a-dep,p,pt
Abbott 92 angp,p,pt
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

$\phi(1020)$ X
450 Fredj 91 a-dep,cs,p,pt

D^+ X
250 Appel 94 cs,p

D^- X
250 Appel 94 cs,p

D_s^+ X
250 Appel 94 cs,p

D_s^- X
250 Appel 94 cs,p

$J/\psi(1S)$ X
200 Baglin 95 cs
450 Fredj 91 a-dep,cs,p,pt

$\psi(2S)$ X
200 Baglin 95 cs
450 Fredj 91 a-dep,cs,p,pt

p Al

DD $< p >$ X
450 Akesson 90F a-dep,angp,mass,mult,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
14.6 Abbott 92 angp,p,pt
60 – 200 Stocker 95 a-dep,p
Schmidt 92 a-dep,p
200 Eklund 91 a-dep,mult
200.9 Albrecht 93G angp,p
Albrecht 92T angp

n X
1.463 – 3.825 Ishibashi 94 angp,p

$\overline{p}$ X
10 Boyarinov 94 a-dep,angp
Boyarinov 93 a-dep,angp
10.1 Sibirtsev 91 a-dep,angp,p
10.14 Boyarinov 91 a-dep,angp,p
14.6 Abbott 93 a-dep,p,pt

Σ^- X
24 Lach 92 angp,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

^{6}Li X
1.696 Andronenko 94 cs

^{7}Li X
1.696 Andronenko 94 cs

^{7}Be X
1.696 Andronenko 94 cs

^{10}Be X + ^{9}Be X
1.696 Andronenko 94 cs

^{10}Be X
12.9 Shibata 93 a-dep,cs,p

^{10}Bor X
1.696 Andronenko 94 cs

^{12}Bor X + ^{11}Bor X
1.696 Andronenko 94 cs

^{18}Fl X
14.51 Cumming 93B cs

^{24}Na X
14.51 Cumming 93B cs

^{26}Al X
12.9 Shibata 93 a-dep,cs,p

$\mu^-\ \mu^+$ X
450 Fredj 91 a-dep,mass,p,pt

2jet X
800 Boca 90 angp,mass,p,pt

2hadron$^+$ X
800 White 93 a-dep,ang,mass,pt
Boca 90 angp,mass,p,pt
Streets 89 a-dep,ang,mass,pt

hadron$^+$ hadron$^-$ X
800 White 93 a-dep,ang,mass,pt
Boca 90 angp,mass,p,pt
Streets 89 a-dep,ang,mass,pt

p Al

2hadron$^-$ X			
	800	White 93	a-dep,ang,mass,pt
		Boca 90	angp,mass,p,pt
		Streets 89	a-dep,ang,mass,pt
2π^+ X			
	200.9	Kampert 92	cor,p
2p X			
	200.9	Kampert 92	cor,p
K^+ 2π^- X			
	250	Appel 94	mass
K^- 2π^+ X			
	250	Appel 94	mass
K^+ K^- π^+ X			
	250	Appel 94	mass
K^+ K^- π^- X			
	250	Appel 94	mass

p ^{27}Al

n X			
	0.7389 – 1.463	Stamer 93	angp,p
^{27}Si n			
	0.2136	Hallin 92	–

p Si

D^0 X			
	800	Alexopoulos 95B	cs
$\overline{D}^0$ X			
	800	Alexopoulos 95B	cs
$J/\psi(1S)$ X			
	800	Alexopoulos 95B	cs
		Alexopoulos 95D	cs
		Alexopoulos 94B	cs,p,pt
$\psi(2S)$ X			
	800	Alexopoulos 95D	cs
		Alexopoulos 94B	cs,p,pt
$\Upsilon(1S)$ X			
	800	Alexopoulos 95D	cs
$\Upsilon(2S)$ X			
	800	Alexopoulos 95D	cs
μ^- μ^+ X			
	800	Alexopoulos 95B	mass
		Alexopoulos 95D	mass
		Alexopoulos 94B	mass
DD < K_S X > Si			
	800	Kodama 93D	cs,p
DD < D^+ X > Si			
	800	Kodama 93D	cs,p
DD < D^0 X > Si			
	800	Kodama 93D	cs,p
DD < π^+ π^- X > Si			
	800	Kodama 93D	mass
DD < K^- π^+ X > Si			
	800	Kodama 93D	mass
DD < K^- 2π^+ X > Si			
	800	Kodama 93D	mass
DD < K^- 2π^+ π^- X > Si			
	800	Kodama 93D	mass

p ^{28}Si

^{28}Si* p			
	0.6418	Liu 96	cs,p,pol
	1.087	Donoghue 91	angp,cs,pol
^{27}Al 2p			
	1.696	Vorobiev 94	angp,p
		Vorobiev 92	angp,p
^{27}Si p n			
	1.696	Vorobiev 94	angp,p
		Vorobiev 92	angp,p

p ^{29}Si

^{28}Al 2p			
	1.696	Vorobiev 94	angp,p
^{28}Si p n			
	1.696	Vorobiev 94	angp,p

p ^{30}Si

^{29}Al 2p			
	1.696	Vorobiev 94	angp,p
^{29}Si p n			
	1.696	Vorobiev 94	angp,p

p ^{31}Ph

^{30}Si 2p			
	1.696	Vorobiev 94	angp,p
^{30}Ph p n			
	1.696	Vorobiev 94	angp,p

p S

mult[charged$^-$] X			
	200	Bachler 91	mult
charged$^-$ X			
	200	Bachler 91	mult
hadron$^-$ X			
	200	Baechler 91	mult,pt
π^+ X			
	450	Boggild 95C	pt
		Boggild 94	pt
π^- X			
	450	Boggild 95C	pt
		Boggild 94	pt
K^+ X			
	200	Bachler 93	mult,p,pt
	450	Boggild 95C	pt
		Boggild 94	pt
K^- X			
	200	Bachler 93	mult,p,pt
	450	Boggild 95C	pt
		Boggild 94	pt
K_S X			
	200	Alber 94	mult,p,pt
		Baechler 91	mult,pt
		Odyniec 91	mult,pt
		Schukraft 91	mult,pt
p X			
	200	Eklund 91	a-dep,mult
	450	Boggild 95C	pt
		Boggild 94	pt
$\overline{p}$ X			
	450	Boggild 95C	pt
		Boggild 94	pt
Λ X			
	200	Alber 94	mult,p,pt
		Baechler 91	mult,pt
		Odyniec 91	mult,pt
		Schukraft 91	mult,pt
$\overline{\Lambda}$ X			
	200	Alber 94	mult,p,pt
		Baechler 91	mult,pt
$\overline{\Lambda}$ π^+ X			
	200	Odyniec 91	mult,pt
		Schukraft 91	mult,pt

p ^{34}S

^{33}Ph 2p			
	1.696	Vorobiev 94	angp,p
		Vorobiev 92	angp,p
^{33}S p n			
	1.696	Vorobiev 94	angp,p
		Vorobiev 92	angp,p

p ^{35}Cl

^{35}Ar*			
	0.1317	Converse 93	–

p Ar

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
Λ X			
	200	Derado 90B	a-dep,cs,mult,p,pt
π^+ π^- X			
	200	Derado 90B	mass
K_S mult[charged$^-$] X			
	200	Derado 90B	cor,mult
mult[p] K_S X			
	200	Derado 90B	cor,mult
p π^- X			
	200	Derado 90B	mass
Λ mult[charged] X			
	200	Derado 90B	mult
Λ mult[charged$^-$] X			
	200	Derado 90B	cor,mult
mult[p] Λ X			
	200	Derado 90B	cor,mult
Λ charged$^-$ X			
	200	Derado 90B	p

p ^{39}KK

^{38}Ar 2p			
	1.696	Vorobiev 94	angp,p
^{38}KK p n			
	1.696	Vorobiev 94	angp,p

p Ca

π^0 X			
	0.5681	Dementiev 92	angp
$J/\psi(1S)$ 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
$\psi(2S)$ X			
	800	Leitch 92	a-dep,cs
		Leitch 91	a-dep
		Spiegel 91	a-dep
		Alde 90B	a-dep
$\psi(3770)$ X			
	800	Alde 91D	p,pt
$\Upsilon(1S)$ X			
	800	Leitch 92	a-dep,cs
		Alde 91	a-dep,cs,p,pt
		Leitch 91	a-dep
		Spiegel 91	a-dep
$\Upsilon(3S)$ X + $\Upsilon(2S)$ X			
	800	Leitch 92	a-dep,cs
		Alde 91	a-dep,cs,p,pt
		Spiegel 91	a-dep
μ^- μ^+ X			
	800	Conrad 95	a-dep,cs,mass,p,pt
		Arneodo 92	a-dep,mass,p,pt
		Leitch 92	a-dep,mass,p
		Alde 91	a-dep,cs
		Spiegel 91	a-dep
		Alde 90B	a-dep

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 Ca

Final state	Momentum	Reference	Data descriptors
$p\ n$ X	1.082	Taddeucci 94	angp,cs,pol
	1.084	Chen 93	angp,cs,pol
		Mcclelland 92	angp,cs,pol

$p\ ^{40}$Ca

Final state	Momentum	Reference	Data descriptors
^{40}Ca p	1.087	Flanders 91	angp,cs,dme,pol
^{40}Ca* p	1.087	Flanders 91	angp,cs,dme,pol
^{40}Sc n	0.5211	Watson 94	angp,pol

$p\ ^{42}$Ca

Final state	Momentum	Reference	Data descriptors
inelastic	0.1996 – 0.3039	Carlson 94	cs

$p\ ^{44}$Ca

Final state	Momentum	Reference	Data descriptors
inelastic	0.1996 – 0.3039	Carlson 94	cs
p X	0.7927	Baker 91B	angp,p,pol
^{44}Ca p	0.7927	Baker 91B	angp,p

$p\ ^{48}$Ca

Final state	Momentum	Reference	Data descriptors
inelastic	0.1996 – 0.3039	Carlson 94	cs
p X	0.8354	Baker 91B	angp,p,pol
^{48}Ca p	0.8351	Feldman 94	angp,p,pol
	0.8354	Baker 91B	angp,p
^{48}Ca* p	0.6469	Feldman 94	angp,p,pol
	0.8351	Feldman 94	angp,p,pol
^{48}Sc* n	0.5211	Zhang 92	p,pol

p Ti

Final state	Momentum	Reference	Data descriptors
π^+ X	15 – 65	Belyaev 93	a-dep,angp,p
π^- X	15 – 65	Belyaev 93	a-dep,angp,p
	15.97 – 61.99	Gavrishchuk 91B	p
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
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
^{3}He X	1.46	Barlow 92	a-dep,angp,p
^{4}He X	1.46	Barlow 92	a-dep,angp,p
$2\pi^+$ X	7.5	Vlasov 92	a-dep,ang,angp,cor,p

p Ti

Final state	Momentum	Reference	Data descriptors
$p\ \pi^+$ X	7.5	Vlasov 92	a-dep,ang,angp,cor,p
$2p$ X	3 – 7.5	Vlasov 95	a-dep,ang,cor,p
deuteron π^+ X	7.5	Vlasov 92	a-dep,ang,angp,cor,p

$p\ ^{54}$Fe

Final state	Momentum	Reference	Data descriptors
p X	0.7927	Hausser 90	angp,cs,p,pol
n X	0.7927 – 0.9821	Hicks 93	angp,cs,pol

p Fe

Final state	Momentum	Reference	Data descriptors
ν_e X	70	Bunyatov 95	cs
		Blumlein 92	cs
		Blumlein 92B	cs
ν_e X + $\overline{\nu}_e$ X	70	Ammosov 90B	cs
$\overline{\nu}_e$ X	70	Bunyatov 95	cs
		Blumlein 92	cs
		Blumlein 92B	cs
ν_μ X	70	Ammosov 90B	cs
μ^- X	70	Belikov 95	p
$\overline{\nu}_\mu$ X	70	Ammosov 90B	cs
μ^+ X	70	Belikov 95	p
jet X	800	Boca 90	angp,mass,p,pt
hadron$^+$ X	800	Boca 90	angp,mass,p,pt
hadron$^-$ X	800	Boca 90	angp,mass,p,pt
H^0 X	70	Barabash 92	cs
		Anikeyev 91	cs
		Blumlein 91	cs
		Blumlein 90	cs
axion X	70	Barabash 92	cs
		Anikeyev 91	cs
		Blumlein 91	cs
		Blumlein 90	cs
c X	70	Blumlein 92	cs
		Blumlein 92B	cs
π^0 X	500 – 5000	Avakyan 91B	p
		Avakyan 91C	p
charm X	70	Bunyatov 95	cs
		Barabash 93	cs
		Bozhko 92	cs
$\overline{\text{charm}}$ X	70	Bunyatov 95	cs
$J/\psi(1S)$ 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
$\psi(2S)$ X	800	Leitch 92	a-dep,cs
		Leitch 91	a-dep
		Spiegel 91	a-dep
		Alde 90B	a-dep
$\psi(3770)$ X	800	Alde 91D	p,pt
$\Upsilon(1S)$ X	800	Leitch 92	a-dep,cs
		Alde 91	a-dep,cs,p,pt
		Leitch 91	a-dep
		Spiegel 91	a-dep
$\Upsilon(3S)$ X + $\Upsilon(2S)$ X	800	Leitch 92	a-dep,cs
		Alde 91	a-dep,cs,p,pt
		Spiegel 91	a-dep
n X	1.463 – 3.825	Ishibashi 94	angp,p
^{10}Be X	12.9	Shibata 93	a-dep,cs,p
^{26}Al X	12.9	Shibata 93	a-dep,cs,p
$\mu^-\ \nu_\mu$ X	70	Bozhko 92	p
$\mu^-\ \mu^+$ X	800	Conrad 95	a-dep,cs,mass,p,pt
		Arneodo 92	a-dep,mass,p,pt
		Leitch 92	a-dep,mass,p
		Alde 91	a-dep,cs
		Spiegel 91	a-dep
		Alde 90B	a-dep
$\mu^+\ \overline{\nu}_\mu$ X	70	Bozhko 92	p
2jet X	800	Boca 90	angp,mass,p,pt
2hadron$^+$ X	800	White 93	a-dep,ang,mass,pt
		Boca 90	angp,mass,p,pt
		Streets 89	a-dep,ang,mass,pt
hadron$^+$ hadron$^-$ X	800	White 93	a-dep,ang,mass,pt
		Boca 90	angp,mass,p,pt
		Streets 89	a-dep,ang,mass,pt
2hadron$^-$ X	800	White 93	a-dep,ang,mass,pt
		Boca 90	angp,mass,p,pt
		Streets 89	a-dep,ang,mass,pt
charm $\overline{\text{charm}}$ X	70	Belikov 95	cs

p Co

Final state	Momentum	Reference	Data descriptors
^{10}Be X	12.9	Shibata 93	a-dep,cs,p
^{26}Al X	12.9	Shibata 93	a-dep,cs,p

$p\ ^{59}$Co

Final state	Momentum	Reference	Data descriptors
^{58}Co $p\ n$	1.921	Shvedov 93	cs
^{57}Co $p\ 2n$	1.921	Shvedov 93	cs
^{56}Co $p\ 3n$	1.921	Shvedov 93	cs

$p\ ^{59}$Co

^{54}Mn $3p$ $3n$			
	1.921	Shvedov 93	cs
^{52}Mn $3p$ $5n$			
	1.921	Shvedov 93	cs
^{51}Cr $4p$ $5n$			
	1.921	Shvedov 93	cs
^{48}Sc $7p$ $5n$			
	1.921	Shvedov 93	cs
^{48}Va $5p$ $7n$			
	1.921	Shvedov 93	cs
^{48}Cr $4p$ $8n$			
	1.921	Shvedov 93	cs
^{47}Sc $7p$ $6n$			
	1.921	Shvedov 93	cs
^{46}Sc $7p$ $7n$			
	1.921	Shvedov 93	cs
^{44}Sc $7p$ $9n$			
	1.921	Shvedov 93	cs
^{43}KK $9p$ $8n$			
	1.921	Shvedov 93	cs
^{42}KK $9p$ $9n$			
	1.921	Shvedov 93	cs
^{28}Mg $16p$ $16n$			
	1.921	Shvedov 93	cs
^{24}Na $17p$ $19n$			
	1.921	Shvedov 93	cs

$p\ ^{58}$Ni

X			
	0.1948 – 0.3104	Eliyakutrosh 95	cs
fragt X			
	4.491	Kozma 91	cs

p Ni

^{6}Li X			
	1.696	Andronenko 94	cs
^{7}Li X			
	1.696	Andronenko 94	cs
^{7}Be X			
	1.696	Andronenko 94	cs
^{10}Be X + ^{9}Be X			
	1.696	Andronenko 94	cs
^{10}Be X			
	12.9	Shibata 93	a-dep,cs,p
^{10}Bor X			
	1.696	Andronenko 94	cs
^{12}Bor X + ^{11}Bor X			
	1.696	Andronenko 94	cs
^{26}Al X			
	12.9	Shibata 93	a-dep,cs,p

$p\ ^{60}$Ni

X			
	0.1948 – 0.3104	Eliyakutrosh 95	cs
fragt X			
	4.491	Kozma 91	cs

$p\ ^{62}$Ni

fragt X			
	4.491	Kozma 91	cs

$p\ ^{63}$Cu

fragt X			
	4.491	Kozma 91	cs

p Cu

ν_e X + $\overline{\nu}_e$ X			
	400	Berge 92	cs,p
ν_μ X			
	400	Berge 92	cs,p

p Cu

$\overline{\nu}_\mu$ X			
	400	Berge 92	cs,p
ν_τ X			
	400	Babu 94	–
		Coopersarkar 91	–
$\overline{\nu}_\tau$ X			
	400	Coopersarkar 91	–
mult[p] X			
	200.9	Albrecht 93G	a-dep,mult
charged X			
	14.6	Abbott 92B	cs,et,p
hadron X			
	200	Akesson 92B	et,p
$\pi^\pm$ X			
	4.9	Schmidt 92	a-dep,p
	60 – 200	Stocker 95	a-dep,p
		Schmidt 92	a-dep,p
	200.9	Kampert 92	a-dep,p
π^+ X			
	0.8233 – 0.989	Julien 94	angp,p
	0.8769 – 0.8944	Yen 91	angp,p
	9.956	Gavrilov 92	p
	10	Boyarinov 94	a-dep,angp
		Boyarinov 92	a-dep,angp,cs,p
	14.6	Abbott 92	angp,p,pt
	800	Albuquerque 96	p,pt
π^0 X			
	0.8233 – 0.989	Julien 94	angp,p
	4.5	Abraamyan 94B	a-dep,p,pt
		Abraamyan 94C	a-dep,angp,p
	500	Alverson 93	a-dep,angp,pt
		Alverson 91	a-dep,p,pt
π^- X			
	0.8769 – 0.8944	Yen 91	angp,p
	9.956	Gavrilov 92	p
	10	Boyarinov 94	a-dep,angp
		Boyarinov 92	a-dep,angp,cs,p
	14.6	Abbott 93	a-dep,p,pt
		Abbott 92	angp,p,pt
	800	Albuquerque 96	p,pt
η X			
	1.581 – 1.696	Chiavassa 92	angp
	1.696	Chiavassa 92B	angp,p
K^+ X			
	9.956	Gavrilov 92	p
	10	Boyarinov 94	a-dep,angp
		Boyarinov 92C	a-dep,angp,cs,p
	14.6	Abbott 92	angp,p,pt
K^- X			
	9.956	Gavrilov 92	p
	10	Boyarinov 94	a-dep,angp
		Boyarinov 92C	a-dep,angp,cs,p
	14.6	Abbott 93	a-dep,p,pt
		Abbott 92	angp,p,pt
K_L X			
	24	Heinson 94	–
		Arisaka 93	–
		Arisaka 93B	–
		Schwartz 92	–
		Heinson 91	–
		Winstein 91	–
		Morse 90	–
	25	Vagins 93	p
$\phi(1020)$ X			
	450	Fredj 91	a-dep,cs,p,pt

p Cu

D X + $\overline{D}$ X			
	400	Berge 92	cs,p
D^+ X			
	250	Appel 94	cs,p
D^- X			
	250	Appel 94	cs,p
D_s^+ X			
	250	Appel 94	cs,p
D_s^- X			
	250	Appel 94	cs,p
$J/\psi(1S)$ X			
	200	Baglin 95	cs
		Baglin 92B	cs,pt
		Baglin 91E	a-dep,cs
	200.9	Baglin 91B	pt
		Baglin 91C	pt
	450	Fredj 91	a-dep,cs,p,pt
	800	Jansen 93	a-dep,p
$\psi(2S)$ X			
	200	Baglin 95	cs
	450	Fredj 91	a-dep,cs,p,pt
$\Upsilon(1S)$ X			
	800	Moreno 91	p
$\Upsilon(2S)$ X			
	800	Moreno 91	p
$\Upsilon(3S)$ X			
	800	Moreno 91	p
DD $\langle p \rangle$ X			
	450	Akesson 90F	a-dep,angp,mass,mult,p,pt
p X			
	0.8769 – 0.8944	Yen 91	angp,p
	4.9	Schmidt 92	a-dep,p
	9	Belzer 92	a-dep,p
	9.956	Gavrilov 92	p
	10	Boyarinov 94	a-dep,angp
		Boyarinov 92B	a-dep,angp,cs,p
	14.6	Abbott 92	angp,p,pt
	60 – 200	Stocker 95	a-dep,p
		Schmidt 92	a-dep,p
	200	Eklund 91	a-dep,mult
	200.9	Albrecht 93G	angp,p
		Albrecht 92T	angp
		Kampert 92	a-dep,p
$\overline{p}$ X			
	4.338 – 5.864	Chiba 94	a-dep,p
		Chiba 93	a-dep,p
	9.956	Gavrilov 92	p
	10	Boyarinov 94	a-dep,angp
		Boyarinov 93	a-dep,angp
	10.1	Sibirtsev 91	a-dep,angp,p
	10.14	Boyarinov 91	a-dep,angp,p
	14.6	Abbott 93	a-dep,p,pt
Λ X			
	60 – 300	Lach 92	angp,cs,p
$\overline{\Lambda}$ X			
	65 – 135	Lach 92	angp,p
Σ^+ X			
	400	Lach 94	pol
		Lach 93	pol
		Lach 92	pol
	800	Lach 94	–
		Smith 94C	p,pol,pt
		Timm 94	p,pol
		Morelos 93	pol,pt
		Morelos 93B	–
		Morelos 93C	p,pol,pt
Σ^- X			
	400	Lach 94	pol
		Lach 93	pol

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 $p_{\rm lab}$ in GeV/c, or in parentheses $E_{\rm cm}$ in GeV.

p Cu

Reaction	Momentum	Reference	Descriptors
Σ^- X		Lach 92	pol
$\overline{\Sigma}^-$ X	800	Lach 94	–
		Smith 94C	p,pol,pt
		Morelos 93	pol,pt
		Morelos 93B	–
Ξ^- X	400	Lach 94	p,pol
		Lach 93	p,pol
		Lach 92	p,pol
	800	Dubbs 93	–
R-baryon X	800	Albuquerque 96	cs
R-proton X	800	Albuquerque 96	cs
R-Λ X	800	Albuquerque 96	cs
R-Ξ^- X	800	Albuquerque 96	cs
deuteron X	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
	200.9	Kampert 92	a-dep,p
^{10}Be X	12.9	Shibata 93	a-dep,cs,p
e^- e^+ X	400	Babu 94	angp,p
μ^- μ^+ X	200	Baglin 95	mass
		Baglin 92B	cs,pt
	200.9	Baglin 91B	pt
		Baglin 91C	pt
	450	Fredj 91	a-dep,mass,p,pt
	800	Kowitt 94	mass,p,pt
		Kowitt 92	mass,p,pt
		Moreno 91	mass,mass,p,pt
2jet X	800	Fields 92	a-dep,angp,col,et
2γ X	1.696	Chiavassa 92B	mass
	4.5	Abraamyan 94B	mass
		Abraamyan 94C	angp,mass
2π^+ X	200.9	Kampert 92	cor,p
$J/\psi(1S)$ (neutrals) X	200	Baglin 91E	et
p γ X	800	Smith 94C	ang,angp,mass
$\overline{p}$ γ X	800	Smith 94C	ang,angp,mass
p π^0 X	800	Smith 94C	ang,angp,mass
$\overline{p}$ π^0 X	800	Smith 94C	ang,angp,mass
2p X	200.9	Awes 95	angp,cor
		Kampert 92	cor,p
Λ π^- X	400	Lach 92	angp,mass
Σ^- γ X	800	Dubbs 93	mass
π^0 e^- e^+ X	24	Morse 90	mass
K^+ 2π^- X	250	Appel 94	mass
K^- 2π^+ X	250	Appel 94	mass
K^+ K^- π^+ X	250	Appel 94	mass
K^+ K^- π^- X	250	Appel 94	mass
p 2π^- X	400	Lach 92	angp,mass
e^- e^+ 2γ X	24	Morse 90	mass
nucleus n	0.8081 – 0.9543	Sakai 94	angp,p,pol

p ^{65}Cu

Reaction	Momentum	Reference	Descriptors
fragt X	4.491	Kozma 91	cs

p Zn

Reaction	Momentum	Reference	Descriptors
γ X	0.4539 – 0.5414	Clauton 92B	angp,cs,p
^{10}Be X	12.9	Shibata 93	a-dep,cs,p
^{26}Al X	12.9	Shibata 93	a-dep,cs,p

p ^{90}Zr

Reaction	Momentum	Reference	Descriptors
^{90}Zr p	0.1063	Kimure 94	pol
^{89}Yt 2p	1.696	Vorobiev 95	angp,p
^{89}Zr p n	1.696	Vorobiev 95	angp,p

p Zr

Reaction	Momentum	Reference	Descriptors
n X	0.7389 – 1.463	Stamer 93	angp,p

p Nb

Reaction	Momentum	Reference	Descriptors
mult[π^+] X	1.463 – 2.359	Trzaska 91C	cs,mult
mult[π^-] X	1.463 – 2.359	Trzaska 91C	cs,mult
mult[p] X	1.463 – 2.359	Trzaska 91C	cs,mult
mult[fragt] X	1.463 – 2.359	Lemaire 91	mult
π^+ X	1.463 – 2.359	Lemaire 91B	angp,mult
		Trzaska 91C	cs
π^- X	1.463 – 2.359	Lemaire 91B	angp,mult
		Trzaska 91C	cs
mult[π^+] mult[fragt] X	1.463 – 2.359	Lemaire 91	mult
mult[π^-] mult[fragt] X	1.463 – 2.359	Lemaire 91	mult
π^+ mult[fragt] X	1.463 – 2.359	Lemaire 91	mult
		Lemaire 91B	angp,mult
π^- mult[fragt] X	1.463 – 2.359	Lemaire 91	mult
		Lemaire 91B	angp,mult
π^+ π^- X	2.359	Pluta 93	cor,mass
p π^+ X	1.463 – 2.359	Trzaska 91C	cs
p π^- X	1.463 – 2.359	Trzaska 91C	cs
2p π^+ X	1.463 – 2.359	Trzaska 91C	cs
2p π^- X	1.463 – 2.359	Trzaska 91C	cs
3p π^+ X	1.463 – 2.359	Trzaska 91C	cs
3p π^- X	1.463 – 2.359	Trzaska 91C	cs

p Mo

Reaction	Momentum	Reference	Descriptors
π^+ X	15 – 65	Belyaev 93	a-dep,angp,p
π^- X	15 – 65	Belyaev 93	a-dep,angp,p
	15.97 – 64.99	Gavrishchuk 91B	p
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
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	16.97 – 63.99	Gavrishchuk 91	a-dep,pol
	17.98 – 63.99	Nurushev 91	angp,p,pol
deuteron X	17.98 – 63.99	Nurushev 91	angp,p,pol

p Ag

Reaction	Momentum	Reference	Descriptors
mult[p] X	200.9	Albrecht 93G	a-dep,mult
mult[n] X	1.057 – 2.784	Pienkowski 94	mult
$\pi^\pm$ X	4.9	Schmidt 92	a-dep,p
	60 – 200	Stocker 95	a-dep,p
		Schmidt 92	a-dep,p
	200.9	Kampert 92	a-dep,p
π^+ X	100	Whitmore 94	mult,p,pt
π^- X	100	Whitmore 94	mult,p,pt
K^0 X + $\overline{K}^0$ X	200	Brick 92	a-dep,cs,mult,p
p X	4.9	Schmidt 92	a-dep,p
	60 – 200	Stocker 95	a-dep,p
		Schmidt 92	a-dep,p
	100	Whitmore 94	mult,p
	200.9	Albrecht 93G	angp,p
		Albrecht 92T	angp
		Kampert 92	a-dep,p
Λ X	200	Brick 92	a-dep,cs,mult,p
$\overline{\Lambda}$ X	200	Brick 92	a-dep,cs,mult,p

p Ag

fragt X			
	12	Ochiishi 95	angp
deuteron X			
	4.9	Schmidt 92	a-dep,p
	60 – 200	Stocker 95	a-dep,p
		Schmidt 92	a-dep,p
	200.9	Kampert 92	a-dep,p
^{6}Li X			
	1.696	Andronenko 94	cs
^{7}Li X			
	1.696	Andronenko 94	cs
^{7}Be X			
	1.696	Andronenko 94	cs
^{10}Be X + ^{9}Be X			
	1.696	Andronenko 94	cs
^{10}Be X			
	12.9	Shibata 93	a-dep,cs,p
^{10}Bor X			
	1.696	Andronenko 94	cs
^{12}Bor X + ^{11}Bor X			
	1.696	Andronenko 94	cs
^{26}Al X			
	12.9	Shibata 93	a-dep,cs,p
$2e^-$ X + $2e^+$ X			
	450	Akesson 94	a-dep,cs,mass
e^- e^+ X			
	450	Akesson 94	a-dep,cs,mass
mult[p] charged$^-$ X			
	200	Geist 91	cor,mult
$2\pi^+$ X			
	200.9	Kampert 92	cor,p
$2p$ X			
	200.9	Awes 95	angp,cor
		Kampert 92	cor,p

p In

n X			
	1.463 – 3.825	Ishibashi 94	angp,p

p Sn

p X			
	9	Belzer 92	a-dep,p
^{99}Rh X			
	3.65 – 8.1	Kozma 91B	cs
^{110}In X			
	3.65 – 8.1	Kozma 91B	cs

p Te

γ X			
	0.1684 – 0.2941	Dacruz 93	p
	2.626 – 5.864	Dacruz 93	p
I X			
	0.1684 – 0.2941	Dacruz 93	cs
	2.626 – 5.864	Dacruz 93	cs
^{126}I X			
	0.1684 – 0.2941	Dacruz 93	cs
	2.626 – 5.864	Dacruz 93	cs
^{130}I X			
	0.1684 – 0.2941	Dacruz 93	cs
	2.626 – 5.864	Dacruz 93	cs

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
Λ X			
	200	Derado 90B	a-dep,cs,mult,p,pt
π^+ π^- X			
	200	Derado 90B	mass
K_S mult[charged$^-$] X			
	200	Derado 90B	cor,mult
mult[p] K_S X			
	200	Derado 90B	cor,mult
p π^- X			
	200	Derado 90B	mass
Λ mult[charged] X			
	200	Derado 90B	mult
Λ mult[charged$^-$] X			
	200	Derado 90B	cor,mult
mult[p] Λ X			
	200	Derado 90B	cor,mult
Λ charged$^-$ X			
	200	Derado 90B	p

p Ta

mult[charged] (neutrals)			
	10	Angelov 91	col,mult
mult[nucleon] X			
	4.2 – 10	Dedovich 94	angp,cor,p,pt
mult[p] X			
	6.1	Andreev 92	mult
charged X			
	6.1	Andreev 92	mult
$\pi^\pm$ X			
	6.1	Andreev 92	mult
π^+ X			
	10	Boyarinov 94	a-dep,angp
		Boyarinov 92	a-dep,angp,cs,p
π^- X			
	10	Boyarinov 94	a-dep,angp
		Boyarinov 92	a-dep,angp,cs,p
K^+ X			
	10	Boyarinov 94	a-dep,angp
		Boyarinov 92C	a-dep,angp,cs,p
K^- X			
	10	Boyarinov 94	a-dep,angp
		Boyarinov 92C	a-dep,angp,cs,p
p X			
	4.2	Agakishiev 92	a-dep,angp,cs,p
		Backovic 92C	a-dep,angp,p
	6.1	Andreev 92	mult
	10	Armutlijsky 91	a-dep,angp
		Boyarinov 94	a-dep,angp
		Boyarinov 92B	a-dep,angp,cs,p
$\bar{p}$ X			
	10	Boyarinov 94	a-dep,angp
		Boyarinov 93	a-dep,angp
	10.1	Sibirtsev 91	a-dep,angp,p
	10.14	Boyarinov 91	a-dep,angp,p
$(\pi\pi)_{\text{atom}}$ X			
	70	Afanasyev 94	cor,p,pt
		Afanasyev 93	cor,p,pt
fragt X			
	1.696	Domkin 92	angp,mass,p
π^+ π^- X			
	4.2 – 10	Pluta 93	cor,mass
	70	Afanasyev 94	cor,p,pt
		Afanasyev 93	cor,p,pt
		Afanasyev 90C	cor,p,pt
$2p$ (p's) ($\pi^\pm$'s) X			
	10	Angelov 92	ang,cor,p
nucleus n			
	0.8081 – 0.9543	Sakai 94	angp,p,pol

p Wt

charged$^-$ X			
	200	Abatzis 91C	pt
	200.9	Schukraft 91	et,p,pt
jet X			
	800	Boca 90	angp,mass,p,pt
hadron X			
	200	Akesson 92B	et,p
	450	Akesson 92B	et
hadron$^+$ X			
	800	Brown 96	a-dep,p,pt
		Boca 90	angp,mass,p,pt
hadron$^-$ X			
	200	Abatzis 94	pt
		Abatzis 92	pt
	800	Brown 96	a-dep,p,pt
		Boca 90	angp,mass,p,pt
γ X			
	200.9	Tserruya 95	cs,et,pt
		Schukraft 91	cs,et,pt
π^+ 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
π^0 X			
	200.9	Tserruya 95	cs,et,pt
		Schukraft 91	cs,et,pt
π^- 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
	200.9	Akesson 92	et,pt
	800	Straub 92	pt
		Straub 92B	pt
ρ X			
	200	Mazzoni 94	cs,p,pt
ω X			
	200	Mazzoni 94	cs,p,pt
ω X + ρ X			
	200	Masera 95	p,pt
		Ferreira 92	cs,pt
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
	200	Odyniec 91	p,pt
		Vanhecke 91	cs,pt
	200.9	Akesson 92	et,pt
	800	Straub 92	pt
		Straub 92B	pt

p Wt

Reaction / Momentum	Reference	Descriptors
K^0 X + $\overline{K}^0$ X		
200	Abatzis 94	pt
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
200	Odyniec 91	p,pt
	Vanhecke 91	cs,pt
200.9	Akesson 92	et,pt
800	Straub 92	pt
	Straub 92B	pt
K_S X		
200	Abatzis 92	pt
	Evans 92	cs,pt
$\phi(1020)$ X		
200	Masera 95	p,pt
	Mazzoni 94	cs,p,pt
	Ferreira 92	cs,pt
450	Fredj 91	a-dep,cs,p,pt
D^+ X		
250	Appel 94	cs,p
D^- X		
250	Appel 94	cs,p
D_s^+ X		
250	Appel 94	cs,p
D_s^- X		
250	Appel 94	cs,p
$J/\psi(1S)$ X		
200	Baglin 95	cs
	Baglin 95B	cs
	Lourenco 95	cs,p,pt
	Lourenco 94	cs
200.9	Tserruya 95	cs
	Lourenco 93	cs
450	Fredj 91	a-dep,cs,p,pt
800	Conrad 95	a-dep,cs,p
	Leitch 95	a-dep,p,pt
	Jansen 93	a-dep,p
	Leitch 92	a-dep,cs,p,pt
	Alde 91D	p,pt
	Leitch 91	a-dep,p,pt
	Spiegel 91	a-dep
	Alde 90B	a-dep,p,pt
$\psi(2S)$ X		
200	Baglin 95	cs
	Baglin 95B	cs
	Lourenco 95	cs,p,pt
	Lourenco 94	cs
200.9	Tserruya 95	cs
	Lourenco 93	cs
450	Fredj 91	a-dep,cs,p,pt
800	Leitch 92	a-dep,cs
	Leitch 91	a-dep
	Spiegel 91	a-dep
	Alde 90B	a-dep
$\psi(3770)$ X		
800	Alde 91D	p,pt
$\Upsilon(1S)$ X		
800	Leitch 92	a-dep,cs,p,pt
	Alde 91	a-dep,cs,p,pt
	Leitch 91	a-dep
	Spiegel 91	a-dep
$\Upsilon(3S)$ X + $\Upsilon(2S)$ X		
800	Leitch 92	a-dep,cs,p,pt
	Alde 91	a-dep,cs,p,pt
	Spiegel 91	a-dep
p X		
200	Vanhecke 91	cs,pt
800	Straub 92	pt
	Straub 92B	pt
n X		
1.463	Bowman 93	cs
	Vanoers 93	cs
	Frankel 92	cs

p Wt

Reaction / Momentum	Reference	Descriptors
n X		
	Zhu 92	cs
$\overline{p}$ X		
800	Straub 92	pt
	Straub 92B	pt
Λ X		
200	Abatzis 95D	cs
	Abatzis 94	pt
	Abatzis 92	pt
	Evans 92	cs,pt
	Abatzis 91C	pt
	Schukraft 91	mult,pt
200.9	Odyniec 91B	mult
$\overline{\Lambda}$ X		
200	Abatzis 95D	cs
	Abatzis 94	pt
	Abatzis 92	pt
	Evans 92	cs,pt
	Abatzis 91C	pt
	Schukraft 91	mult,pt
200.9	Odyniec 91B	mult
Σ^- X		
24	Lach 92	angp,p
Ξ^- X		
200	Abatzis 95D	cs
	Abatzis 94	pt
	Abatzis 91B	cs
200.9	Odyniec 91B	mult
$\overline{\Xi}^+$ X		
200	Abatzis 95D	cs
	Abatzis 94	pt
	Abatzis 91B	cs
200.9	Odyniec 91B	mult
μ^- μ^+ X		
200	Lourenco 95	mass
	Masera 95	mass
	Lourenco 94	cs,mass
	Mazzoni 94	mass
	Ferreira 92	mass
	Goerlach 92	mass
200.9	Tserruya 95	cs,mass
	Lourenco 93	cs,mass
450	Fredj 91	a-dep,mass,p,pt
800	Conrad 95	a-dep,cs,mass,p,pt
	Leitch 95	mass
	Arneodo 92	a-dep,mass,p,pt
	Leitch 92	a-dep,mass,p
	Mcgaughey 92	mass
	Alde 91	a-dep,cs
	Spiegel 91	a-dep
	Alde 90B	a-dep
2jet X		
800	Boca 90	angp,mass,p,pt
2hadron X		
800	Kaplan 89	ang,mass,p,pt
2hadron$^+$ X		
800	White 93	a-dep,ang,mass,pt
	Boca 90	angp,mass,p,pt
	Streets 89	a-dep,ang,mass,pt
hadron$^+$ hadron$^-$ X		
800	Brown 96	a-dep,cor,mass,p,pt
	White 93	a-dep,ang,mass,pt
	Straub 92B	mass,pt
	Boca 90	angp,mass,p,pt
	Streets 89	a-dep,ang,mass,pt
2hadron$^-$ X		
800	White 93	a-dep,ang,mass,pt

p Wt

Reaction / Momentum	Reference	Descriptors
2hadron$^-$ X		
	Boca 90	angp,mass,p,pt
	Streets 89	a-dep,ang,mass,pt
$\overline{c}$ c X		
200	Lourenco 94	cs
π^+ π^- X		
800	Straub 92	mass,pt
ω mult[charged] X + ρ mult[charged] X		
200	Masera 95	cs
	Mazzoni 92	cs,pt
K_S mult[charged$^-$] X		
200	Evans 92	mult
K^+ π^- X		
800	Straub 92	mass,pt
K^- π^+ X		
800	Straub 92	mass,pt
K^+ K^- X		
800	Straub 92	mass,pt
$\phi(1020)$ mult[charged] X		
200	Masera 95	cs
	Mazzoni 92	cs,pt
p (hadrons) X		
200.9	Akesson 91	cor,et,p,pt
p π^- X		
800	Straub 92	mass,pt
$\overline{p}$ π^+ X		
800	Straub 92	mass,pt
p K^- X		
800	Straub 92	mass,pt
$\overline{p}$ K^+ X		
800	Straub 92	mass,pt
p $\overline{p}$ X		
800	Straub 92	mass,pt
Λ mult[charged$^-$] X		
200	Evans 92	mult
$\overline{\Lambda}$ mult[charged$^-$] X		
200	Evans 92	mult
K^+ $2\pi^-$ X		
250	Appel 94	mass
K^- $2\pi^+$ X		
250	Appel 94	mass
K^+ K^- π^+ X		
250	Appel 94	mass
K^+ K^- π^- X		
250	Appel 94	mass

p Pt

Reaction / Momentum	Reference	Descriptors
μ^+ X		
12	Aoki 94	p,pol
π^+ X		
12.9	Diebold 93	angp,mult,p,pt
π^- X		
12.9	Diebold 93	angp,mult,p,pt
K^+ X		
12	Aoki 94	p
12.9	Diebold 93	angp,mult,p,pt
K^- X		
12.9	Diebold 93	angp,mult,p,pt
D^0 X		
800	Mishra 94	pt
$\overline{D}^0$ X		
800	Mishra 94	pt
$J/\psi(1S)$ X		
800	Mishra 94	p,pt

p Pt

Final state	Momentum	Reference	Data descriptors
p X	12.9	Saito 94	a-dep,angp,cs,p
		Diebold 93	angp,mult,p,pt
$\overline{p}$ X	12.9	Diebold 93	angp,mult,p,pt
deuteron X	12.9	Saito 94	a-dep,angp,cs,p
^{3}H X	12.9	Saito 94	a-dep,angp,cs,p
^{3}He X	12.9	Saito 94	a-dep,angp,cs,p
^{4}He X	12.9	Saito 94	a-dep,angp,cs,p
$\mu^- \mu^+$ X	800	Mishra 94	mass,p

p Au

Final state	Momentum	Reference	Data descriptors
mult[charged$^-$] X	200	Bachler 91	mult
mult[p] X	200.9	Albrecht 93G	a-dep,mult
mult[n] X	1.057 − 2.784	Pienkowski 94	mult
charged X	14.6	Abbott 92B	cs,et,p
charged$^-$ X	200	Bachler 91	mult
γ X	60.93 − 200.9	Odyniec 91B	p,pt
	200.9	Albrecht 91	pt
		Albrecht 91O	cs
$\pi^\pm$ X	4.9	Schmidt 92	a-dep,p
	60 − 200	Stocker 95	a-dep,p
		Schmidt 92	a-dep,p
	200.9	Kampert 92	a-dep,p
π^+ X	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
	100	Whitmore 94	mult,p,pt
π^0 X	200.9	Albrecht 91	pt
		Albrecht 91O	cs
π^- X	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
	100	Whitmore 94	mult,p,pt
K^+ X	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
	15.51	Kaufman 92	p,pt
	200	Bachler 93	mult,p,pt
K^0 X + $\overline{K}^0$ X	200	Brick 92	a-dep,cs,mult,p
K^- X	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
	200	Bachler 93	mult,p,pt
D^0 X	800	Leitch 94	a-dep,cs,p,pt
		Jansen 93	a-dep,cs
		Kaplan 93	a-dep,cs
		Peng 92	a-dep,cs
$\overline{D}^0$ X	800	Leitch 94	a-dep,cs,p,pt
$J/\psi(1S)$ X	800	Sansoni 95	cs,p,pt
		Schub 95	cs,p,pt
		Jansen 94	p,pt
		Kowitt 94	a-dep,p
		Kowitt 92	a-dep,p
$\psi(2S)$ X	800	Sansoni 95	cs,p,pt
		Schub 95	cs,p,pt
bottom X	800	Kaplan 93	cs
		Peng 92	cs
B X	800	Jansen 94	cs,p,pt
$\overline{B}$ X	800	Jansen 94	cs,p,pt
p X	4.9	Schmidt 92	a-dep,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
	15.51	Kaufman 92	p,pt
	60 − 200	Stocker 95	a-dep,p
		Schmidt 92	a-dep,p
	100	Whitmore 94	mult,p
	200	Eklund 91	a-dep,mult
	200.9	Albrecht 93G	angp,p
		Albrecht 92T	angp
		Kampert 92	a-dep,p
$\overline{p}$ X	14.6	Abbott 93	a-dep,p,pt
Λ X	200	Brick 92	a-dep,cs,mult,p
$\overline{\Lambda}$ X	200	Brick 92	a-dep,cs,mult,p
fragt X	12	Ochiishi 95	angp
deuteron X	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
	200.9	Kampert 92	a-dep,p
^{10}Be X	12.9	Shibata 93	a-dep,cs,p
Na X	12	Tanaka 94	angp
^{26}Al X	12.9	Shibata 93	a-dep,cs,p
$e^- e^+$ X	200	Agakichiev 95	mass
		Tserruya 95	mass
	450	Ceretto 95	mass
$\mu^- \mu^+$ X	800	Sansoni 95	mass,p,pt
		Schub 95	mass,p,pt
		Jansen 94	mass,mass,p,pt
mult[p] charged$^-$ X	200	Geist 91	cor,mult
charged$^+$ charged$^-$ X	200	Bachler 94C	col,p,pt
		Fialkowski 94	col,p,pt
2charged$^-$ X	200	Bachler 94C	col,p,pt
		Fialkowski 94	col,p,pt
hadron$^+$ hadron$^-$ X	200	Wosiek 94	cor
2hadron$^-$ X	200	Wosiek 94	cor
2γ X	200.9	Albrecht 91	mass,p,pt
$2\pi^+$ X	200.9	Kampert 92	cor,p
$K^+ \pi^-$ X + $K^- \pi^+$ X	800	Jansen 93	mass
$2p$ X	200.9	Awes 95	angp,cor
		Kampert 92	cor,p
2fragt X	12	Tanaka 94	ang,angp
$e^- e^+ \gamma$ X	450	Ceretto 95	mass
2charged (chargeds) X	200	Bachler 94C	col,p,pt
		Fialkowski 94	col,p,pt
$2\pi^\pm$ ($\pi^\pm$'s) X	5.762 − 200.9	Kampert 92	ang,col
mult[p] $2\pi^+$ X	200.9	Kampert 92	cor,mult,p
$2p$ (p's) X	5.762 − 200.9	Kampert 92	ang,col

p ^{197}Au

Final state	Momentum	Reference	Data descriptors
frag X	800	Sihver 92	angp,cs,p
^{196}Au X	1.65	Hill 91	cs

p ^{206}Pb

Final state	Momentum	Reference	Data descriptors
^{206}Pb p	1.282	Mack 95	angp,cs,pol
^{206}Pb* p	1.282	Mack 95	angp,cs,pol

p Pb

Final state	Momentum	Reference	Data descriptors
X	14.6	Stocker 95	et
		Rosati 94	et
mult[π^+] X	1.463 − 2.359	Trzaska 91C	cs,mult
mult[π^-] X	1.463 − 2.359	Trzaska 91C	cs,mult
mult[p] X	1.463 − 2.359	Trzaska 91C	cs,mult
mult[fragt] X	1.463 − 2.359	Lemaire 91	mult
charged X	14.6	Barrette 95D	et,mult,p
		Stocker 95	angp,mult
		Rosati 94	angp,mult
γ X	0.4539 − 0.5414	Clauton 92B	angp,cs,p
$\pi^\pm$ X	3.35	Daniel 92	angp,p
π^+ X	1.463 − 2.359	Lemaire 91B	angp,mult
		Trzaska 91C	cs
	450	Boggild 95C	pt

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p Pb

π^+ X		
	Boggild 94	pt
450.9	Polychronako 92	pt
π^0 X		
0.5681	Dementiev 92	angp
π^- X		
1 – 12	Nakai 91	angp,p
1.463 – 2.359	Lemaire 91B	angp,mult
	Trzaska 91C	cs
450	Boggild 95C	pt
	Boggild 95D	p,pt
	Boggild 94	pt
450.9	Polychronako 92	pt
K^+ X		
450	Boggild 95C	pt
	Boggild 94	pt
450.9	Polychronako 92	pt
K^0 X		
200	Andersen 94B	p,pt
K^- X		
450	Boggild 95C	pt
	Boggild 95D	p,pt
	Boggild 94	pt
450.9	Polychronako 92	pt
K_S X		
200	Andersen 92C	p
p X		
1 – 12	Nakai 91	angp,p
3.35	Daniel 92	angp,p
7.5	Bayukov 93	angp,p
9	Belzer 92	a-dep,p
450	Boggild 95B	p,pt
	Boggild 95C	pt
	Boggild 94	pt
450.9	Polychronako 92	pt
n X		
0.7389 – 1.463	Stamer 93	angp,p
1.457	Prout 95	angp,p,pol
1.463 – 3.825	Ishibashi 94	angp,p
1.696 – 2.784	Daniel 92	angp,p
3.35	Daniel 92	angp,p
$\bar{p}$ X		
450	Boggild 95C	pt
	Boggild 94	pt
450.9	Polychronako 92	pt
Λ X		
3 – 7.5	Vorobiev 91	a-dep,angp,p,pol
7.5	Smirnitsky 91	pol
60 – 300	Lach 92	angp,cs,p
200	Andersen 94B	p,pt
	Andersen 92C	p
$\overline{\Lambda}$ X		
65 – 135	Lach 92	angp,p
200	Andersen 94B	p,pt
	Andersen 92C	p
deuteron X		
450	Boggild 95B	p,pt
$\overline{\text{deuteron}}$ X		
450	Boggild 95B	p,pt
^{3}He X		
1.46	Barlow 92	a-dep,angp,p
^{4}He X		
1.46	Barlow 92	a-dep,angp,p
$2\mu^-$ X + $2\mu^+$ X		
200	Baglin 91	mass
μ^- μ^+ X		
200	Baglin 91	mass
mult[π^+] mult[fragt] X		
1.463 – 2.359	Lemaire 91	mult
mult[π^-] mult[fragt] X		
1.463 – 2.359	Lemaire 91	mult
2charged X		
400	Fields 92	p

p Pb

2jet X		
800	Fields 92	a-dep,angp,col,et
mult[htrack] shower X		
70	Bobodjanov 91	mult
mult[htrack] grey X		
70	Bobodjanov 91	mult
mult[htrack] black X		
70	Bobodjanov 91	mult
π^+ mult[fragt] X		
1.463 – 2.359	Lemaire 91	mult
	Lemaire 91B	angp,mult
π^- mult[fragt] X		
1.463 – 2.359	Lemaire 91	mult
	Lemaire 91B	angp,mult
$2\pi^+$ X		
7.5	Vlasov 92	a-dep,ang,angp,cor,p
450	Boggild 95	cor
	Boggild 94B	angp,cor
	Beker 93	angp,cor
π^+ π^- X		
2.359	Pluta 93	cor,mass
K^0 mult[charged$^-$] X		
200	Andersen 94B	mult
$2K^+$ X		
450	Boggild 95	cor
	Beker 94C	cor,pt
	Beker 93	angp,cor
$J/\psi(1S)$ (neutrals) X		
200	Baglin 91	cor,cs,et
p π^+ X		
1.463 – 2.359	Trzaska 91C	cs
7.5	Vlasov 92	a-dep,ang,angp,cor,p
p π^- X		
1.463 – 2.359	Trzaska 91C	cs
$2p$ X		
3 – 7.5	Vlasov 95	a-dep,ang,cor,p
7.5	Doroshkevich 94	cor,pt
Λ mult[charged$^-$] X		
200	Andersen 94B	mult
$\overline{\Lambda}$ mult[charged$^-$] X		
200	Andersen 94B	mult
deuteron π^+ X		
7.5	Vlasov 92	a-dep,ang,angp,cor,p
μ^- μ^+ (neutrals) X		
200	Baglin 91	cor,cs,et
mult[charged] 2jet X		
400	Fields 92	ang,angp,cor,et,mult,p
	Corcoran 91	ang,angp,cor,et,mult,p
$2p$ π^+ X		
1.463 – 2.359	Trzaska 91C	cs
$3p$ π^- X		
1.463 – 2.359	Trzaska 91C	cs
nucleus n		
0.8081 – 0.9543	Sakai 94	angp,p,pol
Pb p π^0		
185	Yokosawa 92	angp,asym,mass
	Yokosawa 91	angp,asym,mass

p ^{207}Pb

^{207}Pb p		
1.282	Mack 95	angp,cs,pol
^{207}Pb* p		
1.282	Mack 95	angp,cs,pol

p ^{208}Pb

^{2}He X		
0.941	Matsuoka 95	angp
^{208}Pb p		
1.087	Flanders 91	angp,cs,dme,pol
1.282	Mack 95	angp,cs,pol
^{208}Pb* p		
1.282	Mack 95	angp,cs,pol
^{207}Tl $2p$		
1.696	Vorobiev 95	angp,p
^{207}Pb p n		
1.696	Vorobiev 95	angp,p

p Bi

mult[n] X		
1.057 – 2.784	Pienkowski 94	mult

p ^{238}U

2fragt X		
1.696	Zhdanov 91	ang,cs
	Zhdanov 91B	ang,cs
	Zhdanov 91C	ang,angp,cs
2fragt (neutrals)		
1.696	Zhdanov 91B	cs
2fragt mult[charged] X		
1.037 – 2.032	Obukhov 93	cor,cs,mult,p
1.696	Zhdanov 91B	ang,mult
	Zhdanov 91C	ang,mult
	Zhdanov 91D	ang,mult
9.894	Obukhov 93	cor,cs,mult,p
3fragt X		
1.696	Zhdanov 91	ang,cs
	Zhdanov 91B	ang,cs
	Zhdanov 91C	ang,cs
	Zhdanov 91D	ang,cs

p U

mult[n] X		
1.057 – 2.784	Pienkowski 94	mult
hadron X		
200	Akesson 92B	et,p
π^+ X		
200.9	Abreu 92M	pt
π^- X		
200.9	Abreu 92M	pt
ω X + ρ X		
200	Baglin 92B	cs
ω X + ρ^0 X		
200	Baglin 91D	a-dep
200.9	Odyniec 91	et,mult
	Odyniec 91B	et,mult
	Schukraft 91	et,mult
K^+ X		
200.9	Abreu 92M	pt
K^- X		
200.9	Abreu 92M	pt
$\phi(1020)$ X		
200	Baglin 92B	cs
	Baglin 91D	a-dep
200.9	Odyniec 91	et,mult
	Odyniec 91B	et,mult
	Schukraft 91	et,mult
$J/\psi(1S)$ X		
200	Baglin 95	cs
	Baglin 95B	cs
	Baglin 94	cs
	Lourenco 94	cs

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$n\ n$

charged X			
	200	Gazdzicki 91	mult
charged$^-$ X			
	1.424 – 405	Gazdzicki 95	mult
	200	Gazdzicki 91	mult
π^+ X			
	200	Gazdzicki 91	mult
π^0 X			
	200	Gazdzicki 91	mult
π^- X			
	200	Gazdzicki 91	mult
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
$\overline{n}$ X			
	200	Gazdzicki 91	mult
$\overline{p}$ X			
	200	Gazdzicki 91	mult
Λ X + Σ^0 X			
	200	Gazdzicki 91	mult
$\overline{\Lambda}$ X + $\overline{\Sigma}^0$ X			
	200	Gazdzicki 91	mult
$\nu_e\ \overline{\nu}_e$			
	?	Berger 91	–
$\nu_\mu\ \overline{\nu}_\mu$			
	?	Berger 91	–
nucleon ℓ^+			
	?	Berger 91	–
$\Delta(1232\,P_{33})^-\ e^+$			
	?	Berger 91	–
$\Delta(1232\,P_{33})^-\ \mu^+$			
	?	Berger 91	–
$2\pi^0$			
	?	Berger 91	–
$\pi^+\ \pi^-$			
	?	Berger 91	–

n nucleus

$X(3250)$ X			
	40	Aleev 93B	cs
D^- X			
	40 – 70	Aleev 93C	mass
baryonium X			
	20 – 70	Tatishvili 92	cs
	40	Aleev 93B	cs
baryonium($S = -1$) X			
	20 – 70	Tatishvili 92	cs
baryonium($S = +1$) X			
	20 – 70	Tatishvili 92	cs
Λ_c^+ X			
	40 – 70	Aleev 93C	mass
$\Xi_c(2460)^+$ X			
	40	Aleev 93	pol
$K^+\ \phi(1020)$ X			
	30 – 70	Aleev 93E	cs
$K^-\ \phi(1020)$ X			
	30 – 70	Aleev 93E	cs
$K_S\ \phi(1020)$ X			
	30 – 70	Aleev 93E	cs
$\Lambda\ \phi(1020)$ X			
	30 – 70	Aleev 93E	cs
$\overline{p}\ \Lambda\ \pi^+$ X			
	20 – 70	Tatishvili 92	mass

n nucleus

$\overline{p}\ \Lambda\ \pi^-$ X			
	20 – 70	Tatishvili 92	mass
$p\ \overline{\Lambda}\ \pi^+$ X			
	20 – 70	Tatishvili 92	mass
$p\ \overline{\Lambda}\ \pi^-$ X			
	20 – 70	Tatishvili 92	mass
$\overline{p}\ \Lambda\ K^+$ X			
	20 – 70	Tatishvili 92	mass
$p\ \overline{\Lambda}\ K^-$ X			
	20 – 70	Tatishvili 92	mass
$p\ K_S\ K^-\ \pi^+$ X			
	40	Aleev 93	ang,mass
$p\ \overline{p}\ K^+\ K_S$ X			
	20 – 70	Tatishvili 92	mass
$p\ \overline{p}\ K_S\ K^-$ X			
	20 – 70	Tatishvili 92	mass
$\overline{p}\ \Lambda\ 2\pi^+$ X			
	20 – 70	Tatishvili 92	mass
$\overline{p}\ \Lambda\ \pi^+\ \pi^-$ X			
	20 – 70	Tatishvili 92	mass
$\overline{p}\ \Lambda\ 2\pi^-$ X			
	20 – 70	Tatishvili 92	mass
$p\ \overline{\Lambda}\ 2\pi^+$ X			
	20 – 70	Tatishvili 92	mass
$p\ \overline{\Lambda}\ \pi^+\ \pi^-$ X			
	20 – 70	Tatishvili 92	mass
$p\ \overline{\Lambda}\ 2\pi^-$ X			
	20 – 70	Tatishvili 92	mass
$\overline{p}\ \Lambda\ K^+\ \pi^+$ X			
	20 – 70	Tatishvili 92	mass
$\overline{p}\ \Lambda\ K^+\ \pi^-$ X			
	20 – 70	Tatishvili 92	mass
$p\ \overline{\Lambda}\ K^-\ \pi^+$ X			
	20 – 70	Tatishvili 92	mass
$p\ \overline{\Lambda}\ K^-\ \pi^-$ X			
	20 – 70	Tatishvili 92	mass
nucleus n			
	< 0.004335	Leeb 92	cs

n deuteron

deuteron n			
	0.07514	Mcaninch 94	asym,pol
	0.09706 – 0.1267	Tornow 91	angp,pol
	0.3611	Balewski 95	angp
		Ruhl 91	pol
$p\ 2n$			
	0.3611	Balewski 95	angp,p
		Kistryn 92	pol

$n\ {}^9$Be

X			
	0 – 1.21	Finlay 93	a-dep,cs,p

n C

X			
	0 – 1.21	Finlay 93	a-dep,cs,p
γ X			
	0.17	Malek 91	angp,p
π^- X			
	0.6449 – 1.188	Brooks 92	angp,cs,p
$\phi(1020)$ X			
	30 – 70	Aleev 93E	a-dep,cs,p,pt
$\overline{D}^0$ X			
	37.5 – 70	Aleev 93D	a-dep,cs,p,pt
p X			
	0.2858 – 0.376	Slypen 95	angp,cs,p
Λ X			
	4 – 10	Vishnevsky 94	p,pol,pt
deuteron X			
	0.2858 – 0.376	Slypen 95	angp,cs,p

n C

^{3}H X			
	0.2858 – 0.376	Slypen 96	angp,cs,p
^{4}He X			
	0.2858 – 0.376	Slypen 96	angp,cs,p
$p\ \pi^-$ X			
	4 – 10	Vishnevsky 94	mass
$\Lambda\ K^0$ X			
	4.849 – 10.8	Alekseev 91B	mass,p,pt
$K^+\ \pi^+\ 2\pi^-$ X			
	37.5 – 70	Aleev 93D	mass
$K^-\ 2\pi^+\ \pi^-$ X			
	37.5 – 70	Aleev 93D	mass

$n\ {}^{12}$C

$N\phi(1950)^0$ X			
	40	Landsberg 94C	ang,cs,p,pt
		Landsberg 90	cs,p,pt
$\Lambda\ K^+\ \pi^-$ X			
	40	Landsberg 94C	mass
		Landsberg 90	mass

n Nit

X			
	0 – 1.21	Finlay 93	a-dep,cs,p

n O

X			
	0 – 1.21	Finlay 93	a-dep,cs,p

$n\ {}^{19}$Fl

X			
	0 – 1.21	Finlay 93	a-dep,cs,p

$n\ {}^{23}$Na

X			
	0 – 1.21	Finlay 93	a-dep,cs,p

n Al

$\phi(1020)$ X			
	30 – 70	Aleev 93E	a-dep,cs,p,pt
$\overline{D}^0$ X			
	37.5 – 70	Aleev 93D	a-dep,cs,p,pt
$K^+\ \pi^+\ 2\pi^-$ X			
	37.5 – 70	Aleev 93D	mass
$K^-\ 2\pi^+\ \pi^-$ X			
	37.5 – 70	Aleev 93D	mass

$n\ {}^{27}$Al

X			
	0 – 1.21	Finlay 93	a-dep,cs,p

n Si

X			
	0 – 1.21	Finlay 93	a-dep,cs,p

$n\ {}^{40}$Ca

X			
	0 – 1.21	Finlay 93	a-dep,cs,p

$n\ {}^{51}$Va

Ti* p			
	0.6413	Alford 93	angp,p,pwa

n Fe

π^0 X			
	500 – 5000	Avakyan 91B	p
		Avakyan 91C	p

$n\ {}^{59}$Co

Fe* p			
	0.6413	Alford 93	angp,p,pwa

n Cu

X		
0 – 1.21	Finlay 93	a-dep,cs,p
$\phi(1020)$ X		
30 – 70	Aleev 93E	a-dep,cs,p,pt
Λ K^0 X		
4.849 – 10.8	Alekseev 91B	mass,p,pt

n ^{81}Br

^{82}Br γ		
0	Adachi 94	angp,asym,pwa
$3.065 \cdot 10^{-5} - 5.129 \cdot 10^{-5}$	Masuda 92	asym
	Masuda 92B	asym
	Shimizu 92	angp,asym,pwa

n Rb

Rb n		
$9.693 \cdot 10^{-5} - 0.0001622$	Alfimenkov 91	cs

n ^{90}Zr

X		
0 – 1.21	Finlay 93	a-dep,cs,p

n ^{93}Nb

X		
0 – 1.21	Finlay 93	a-dep,cs,p
^{94}Nb γ		
0	Adachi 94	angp,asym,pwa
$3.065 \cdot 10^{-5} - 5.129 \cdot 10^{-5}$	Masuda 92	asym
	Masuda 92B	asym
	Shimizu 92	angp,asym,pwa

n ^{108}Pd

^{109}Pd γ		
0	Adachi 94	angp,asym,pwa
$3.065 \cdot 10^{-5} - 5.129 \cdot 10^{-5}$	Masuda 92	asym
	Masuda 92B	asym
	Shimizu 92	angp,asym,pwa

n ^{111}Cd

^{112}Cd γ		
0	Adachi 94	angp,asym,pwa
$3.065 \cdot 10^{-5} - 5.129 \cdot 10^{-5}$	Masuda 92	asym
	Masuda 92B	asym
	Shimizu 92	angp,asym,pwa

n ^{113}Cd

γ X		
$9.693 \cdot 10^{-5} - 0.0001301$	Barabanov 93	asym
^{113}Cd n		
$9.693 \cdot 10^{-5} - 0.0001622$	Alfimenkov 91	cs

n Sn

X		
0 – 1.21	Finlay 93	a-dep,cs,p

n ^{124}Sn

^{125}Sn γ		
0	Adachi 94	angp,asym,pwa
$3.065 \cdot 10^{-5} - 5.129 \cdot 10^{-5}$	Masuda 92	asym

n ^{124}Sn

^{125}Sn γ		
	Masuda 92B	asym
	Shimizu 92	angp,asym,pwa

n ^{127}I

X		
0 – 1.21	Finlay 93	a-dep,cs,p

n Xe

mult[charged] (neutrals)		
0 – 2	Strugalski 91C	mult

n ^{133}Cs

X		
0 – 1.21	Finlay 93	a-dep,cs,p

n ^{139}La

^{139}La n		
$9.693 \cdot 10^{-5} - 0.0001622$	Alfimenkov 91	cs
La* γ		
0 – 0.1628	Bisplinghoff 94	cs
^{140}La γ		
0	Adachi 94	angp,asym,pwa
$3.065 \cdot 10^{-5} - 5.129 \cdot 10^{-5}$	Masuda 92	asym
	Masuda 92B	asym
	Shimizu 92	angp,asym,pwa

n ^{181}Ta

X		
0 – 1.21	Finlay 93	a-dep,cs,p

n Pb

Λ X		
4 – 10	Vishnevsky 94	p,pol,pt
p π^- X		
4 – 10	Vishnevsky 94	mass

n ^{208}Pb

X		
0 – 1.21	Finlay 93	a-dep,cs,p
p X		
0.9799	Iwasaki 91B	angp,p
^{208}Tl* p		
0.9799	Iwasaki 91B	angp,p
^{208}Pb n		
0.0003065 – 0.00866	Schmiedmayer 91	cs

n ^{208}Bi

X		
0 – 1.21	Finlay 93	a-dep,cs,p

n ^{232}Th

^{232}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

n ^{238}U

^{238}U n		
0.0001062 – 0.001371	Vanoers 93	asym,cs,pol,qnc
	Zhu 92	asym,cs,pol,qnc
U* γ		
0 – 0.1628	Bisplinghoff 94	cs

n ^{242}Am

fragt (fragts)		
0.01734 – 0.09706	Shigin 91	angp,cs

n ^{245}Cm

fragt (fragts)		
0.03358 – 0.09706	Gokhberg 91	angp,cs

$\bar{n}$ p

annihil		
0.18 – 0.281	Ableev 94H	a-dep,cs
$2\pi^+$ π^- X		
0	Adamo 92B	mass
$3\pi^+$ $2\pi^-$ X		
0	Adamo 92B	mass
π^+ meson^0		
0	Zenoni 94	–
	Adamo 92B	–
0.1 – 0.29	Adamo 92C	–
< 0.2	Feliciello 94	–
> 0.25	Feliciello 94	–
> 0.27	Feliciello 94	–
ρ^0 π^+		
0	Adamo 92B	–
0.1 – 0.29	Adamo 92C	–
ω π^+		
0.064 – 0.297	Ableev 94D	cs
0.1 – 0.297	Lucherini 94	cs
$f_2(1270)$ π^+		
0	Adamo 92B	–
0.1 – 0.29	Adamo 92C	–
$f_2(1520)$ π^+		
0	Hertzog 92	–
$\phi(1020)$ π^+		
0	Sapozhnikov 94B	cs
0.064 – 0.297	Ableev 94D	cs
0.1 – 0.297	Lucherini 94	cs
$2\pi^+$ π^-		
0	Zenoni 94	mass
0.1 – 0.29	Adamo 92C	mass
K^+ K^- π^+		
0.064 – 0.297	Ableev 94D	mass
0.1 – 0.297	Lucherini 94	mass
$2\pi^+$ π^0 π^-		
0.064 – 0.297	Ableev 94D	mass
0.1 – 0.297	Lucherini 94	mass
$3\pi^+$ $2\pi^-$		
0.1 – 0.29	Adamo 92C	mass
< 0.2	Feliciello 94	mass
> 0.25	Feliciello 94	mass
> 0.27	Feliciello 94	mass

$\bar{n}$ C

annihil		
0	Baldoceolin 94	cs
0.18 – 0.281	Ableev 94H	a-dep,cs

$\bar{n}$ Al

annihil		
0.18 – 0.281	Ableev 94H	a-dep,cs

$\bar{n}$ Cu

annihil		
0.18 – 0.281	Ableev 94H	a-dep,cs

$\bar{n}$ Sn

annihil		
0.18 – 0.281	Ableev 94H	a-dep,cs

$\bar{n}$ Ta

mult[charged] X		
6.1	Andreev 92	mult
mult[$\pi^\pm$] X		
6.1	Andreev 92	mult
mult[π^-] X		
6.1	Andreev 92	mult

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$\bar{n}$ Ta

mult[p] X		
6.1	Andreev 92	mult
charged X		
6.1	Andreev 92	mult
$\pi^{\pm}$ X		
6.1	Andreev 92	mult
π^{+} X		
6.1	Andreev 92	mult
π^{-} X		
6.1	Andreev 92	mult
p X		
6.1	Andreev 92	mult
mult[p] mult[$\pi^{\pm}$] X		
6.1	Andreev 92	mult
mult[p] $\pi^{\pm}$ X		
6.1	Andreev 92	mult
p mult[$\pi^{\pm}$] 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
inelastic		
(546 – 1800)	Abe 93S	cs
	Belforte 93	cs
	Belforte 93B	cs
(1800)	White 91	cs
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
$e^{\pm}$ 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
e^{-} X		
(1800)	Bazizi 94	et,pt
	Frisch 94	et,mass,p
	Abe 93O	pt
	Barbarogalti 92	pt
e^{+} X		
(1800)	Bazizi 94	et,pt
	Frisch 94	et,mass,p
$\mu^{\pm}$ 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

$\bar{p}\, p$

$\mu^{\pm}$ X		
	Laasanen 91	pt
μ^{-} 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
μ^{+} 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
mult[charged] X		
32	Bogolyubsky 94	col,mult,p
	Bravina 92	angp,col,p
(300 – 1800)	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
mult[charged^{+}] X		
(630)	Neumeister 93	cor
mult[charged^{-}] X		
(630)	Neumeister 93	cor
mult[charged] (neutrals)		
(200 – 900)	Dremin 94	mult
	Bhattacharje 91	mult
(300 – 1800)	Lindsey 91	mult,p
(630)	Neumeister 93	cor
(1800)	Rimondi 92	mult,p
mult[jet] X		
(630)	Joyce 91	et,mult
(1800)	Abe 94F	ang,col,p,pt
	Geer 94	et
	Flaugher 92	et
	Abe 91I	mass,mult,pt
	Giannetti 91	mult
mult[hadron] X		
(1800)	Rimondi 92B	et
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
charged^{+} X		
(630)	Bocquet 95C	mult,p,pt
	Bocquet 94	p,pt

$\bar{p}\, p$

charged^{-} X		
(630)	Bocquet 95C	mult,p,pt
	Bocquet 94	p,pt
jet X		
(540 – 630)	Jakobs 94	et,p
(546 – 1800)	Abe 93ZK	cs,et
	Abe 92I	pt
	Behrends 92	et
	Flaugher 92B	pt
(630)	Bocquet 94	et
	Bethke 91	pt
	Alitti 90E	p,pt
(1800)	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
	Flaugher 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
charged-hadron X		
(630)	Bocquet 95B	cs,p,pt
longlived X		
(1800)	Gold 92	pt
γ X		
(24.3)	Ballocchi 94	const,p,pt
	Ballocchi 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
	Flaugher 93	pt
	Huston 93	p,pt
	Kotcher 93	pt
	Maas 93	pt
	Meschi 93	p,pt
	Snow 93	pt

$\bar{p}\,p$

γ 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
$W^{\pm}$ 0jet X			
	(546 – 630)	Lindgren 92	const,cs
$W^{\pm}$ X			
	1800	Abe 90J	–
	(546 – 630)	Bryman 92	–
	(630)	Bryman 92	–
		Rolandi 92	cs
		Alitti 91B	const,cs
		Alitti 91C	–
		Alitti 91E	cs
		Alitti 91F	cs
		Alitti 91I	–
		Plothowbesch 91	cs
	(1800)	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
	(2000)	Gobbi 92	cs
W^{+} 0jet X			
	(1800)	Fahley 94	cor,cs,et
		Graf 94	cs,et
		Plunkett 94	cs,et
		Meschi 93	cs,et
W^{+} X			
	(540 – 630)	Jakobs 94	const,cs,p,pt
	(1800)	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

$\bar{p}\,p$

W^{+} X		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^{-} X			
	(540 – 630)	Jakobs 94	const,cs,p,pt
	(1800)	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^{-} 0jet 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)	Jakobs 94	const,cs,p,pt
	(630)	Rolandi 92	cs
		Alitti 91C	cs
		Alitti 91E	cs
		Alitti 91F	cs

$\bar{p}\,p$

Z^{0} X		Plothowbesch 91	cs
	(1800)	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_{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'^{+} X			
	(630)	Alitti 93	cs
	(1800)	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)	Jakobs 94	cs
	(630)	Alitti 90D	cs
W'^{-} X			
	(630)	Alitti 93	cs
	(1800)	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

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$\bar{p}\,p$

$J/\psi(1S)$ X		Lebrun 93	angp,p
		Mangano 93	cs,pt
		Papadimitrio 93B	cs,pt
		Papadimitrio 93C	cs,pt
		Pordes 93	cs
		Trippe 93	pt
		Zhu 93	–
		Zylberstejn 93	p,pt
		Abe 92G	pt
		Dellagnello 92	p,pt
		Fuess 92	cs,pt
		Papadimitrio 92	cs,pt
		Sansoni 91	–
		Wenzel 91	–
$\chi_{c1}(1P)$ X	(1800)	Abe 95T	cs,p,pt
		Bauer 95	cs
		Derwent 95	cs,pt
		Papadimitrio 95	cs
		Sansoni 95	cs
		Pordes 93	cs
$\chi_{c2}(1P)$ X	(1800)	Abe 95T	cs,p,pt
		Bauer 95	cs
		Derwent 95	cs,pt
		Papadimitrio 95	cs
		Sansoni 95	cs
		Pordes 93	cs
$\psi(2S)$ X	3 – 7	Armstrong 92E	–
	(630)	Albajar 90G	cs
	(1800)	Bauer 95	cs,p,pt
		Derwent 95	cs,pt
		Papadimitrio 95	cs,p,pt
		Sansoni 95	cs,p,pt
		Byrum 94	pt
		Cdfcollabora 94F	cs,p,pt
		Daniels 94	cs,pt
		Mueller 94	cs
		Shochet 94	pt
		Abe 93ZG	–
		Mangano 93	cs,pt
		Papadimitrio 93B	cs,pt
		Papadimitrio 93C	cs,pt
		Pordes 93	cs
		Abe 92G	pt
		Fuess 92	cs,pt
		Papadimitrio 92	cs,pt
$\psi(3770)$ X	(1800)	Wenzel 91	–
χ_c(unspec) X	(1800)	Abachi 96	cs,p,pt
		Abachi 95ZB	cs
		Bazizi 95	cs
		Derwent 95	cs
		Markosky 95	cs
		Hedin 94	cs
		Mueller 94	cs
		Abe 93Q	cs
		Mangano 93	cs
		Papadimitrio 93B	cs,pt
		Papadimitrio 93C	cs,pt
		Boswell 92	cs
χ_c(unspec) $< J/\psi(1S)\,\gamma >$ X	(1800)	Papadimitrio 93	cs
bottom X	(630)	Albajar 93B	cs,pt
		Barbarogalti 92	cs,pt
		Albajar 91	cs,pt
	(1800)	Abachi 94C	cs,p,pt
		Bazizi 94	cs,pt
		Byrum 94	cs,pt
		Daniels 94	cs,pt
		Hedin 94	p,pt
		Huehn 94	cs,pt
		Skarha 94	–
		Abe 93N	–
		Schneider 93	–

$\bar{p}\,p$

bottom X		Shaw 93	–
		Skarha 93	–
		Trippe 93	pt
		Wenzel 93	–
		Sansoni 91	cs
		Wenzel 91	cs,pt
$\overline{\text{bottom}}$ X	(1800)	Abachi 94C	cs,p,pt
		Bazizi 94	cs,pt
		Byrum 94	cs,pt
		Daniels 94	cs,pt
		Hedin 94	p,pt
		Huehn 94	cs,pt
$B^\pm$ X	(1800)	Shaw 93	–
		Wenzel 91	–
B X	(630)	Rossi 91	pt
	(1800)	Abachi 96	cs,p,pt
		Abachi 95P	p,pt
		Abachi 95ZB	cs,p,pt
		Bauer 95	–
		Bazizi 95	p,pt
		Derwent 95	p,pt
		Markosky 95	cs,et,p
		Barker 94	cs,p,pt
		Cdfcollabora 94F	cs,p,pt
		Garbincius 94	p,pt
		Luke 93	–
		Mangano 93	–
		Dellagnello 92	–
		Lipton 92	cs,pt
B^+ X	(1800)	Abe 96D	–
		Abe 96E	–
		Abe 95E	p,pt
		Abe 95N	–
		Abe 95O	–
		Abe 95P	–
		Abe 95X	cs
		Abe 95ZI	–
		Anwaywiese 95	–
		Derwent 95	–
		Papadimitrio 95	cs,pt
		Ragan 95	–
		Skarha 95	–
		Ukegawa 95	–
		Abe 94D	–
		Anwaywiese 94	p,pt
		Bailey 94	cs,pt
		Byrum 94	cs,pt
		Cdfcollabora 94E	cs,pt
		Dejongh 94	–
		Garbincius 94	p,pt
		Hara 94	cs
		Lewis 94	pt
		Lewis 94B	cs,pt
		Mueller 94	cs,pt
		Plunkett 94	cs,pt
		Shochet 94	cs,pt
		Abe 93J	pt
		Abe 93Y	–
		Abe 93ZG	–
		Crane 93	cs,pt
		Huffman 93	cs,pt
		Lebrun 93	cs
		Papadimitrio 93	cs,pt
		Papadimitrio 93B	cs,pt
		Papadimitrio 93C	cs,pt
		Schneider 93	–
		Skarha 93	–
		Wenzel 93	–
		Barbarogalti 92	cs,pt
		Yeh 92	cs
B^0 X	(630)	Barbarogalti 92	–
		Albajar 91B	–
	(1800)	Abe 96D	–
		Abe 96E	–
		Abe 95E	p,pt

$\bar{p}\,p$

B^0 X		Abe 95M	–
		Abe 95N	–
		Abe 95P	–
		Abe 95R	–
		Abe 95ZB	–
		Abe 95ZC	–
		Abe 95ZI	–
		Anwaywiese 95	–
		Derwent 95	–
		Papadimitrio 95	cs,pt
		Ragan 95	–
		Skarha 95	–
		Ukegawa 95	–
		Abe 94D	–
		Abe 94ZF	cs,p,pt
		Bailey 94	cs,pt
		Byrum 94	cs,pt
		Cdfcollabora 94E	cs,pt
		Dejongh 94	–
		Garbincius 94	p,pt
		Hara 94	cs
		Karen 94	pt
		Lewis 94	pt
		Lewis 94B	cs,pt
		Mueller 94	cs,pt
		Plunkett 94	cs,pt
		Shochet 94	cs,pt
		Abe 93Y	–
		Abe 93ZG	–
		Crane 93	cs,pt
		Huffman 93	cs,pt
		Lebrun 93	cs
		Papadimitrio 93	cs,pt
		Papadimitrio 93B	cs,pt
		Papadimitrio 93C	cs,pt
		Schneider 93	–
		Shaw 93	–
		Skarha 93	–
		Wenzel 93	–
		Vejcik 92	cs
		Wenzel 91	–
$\overline{B}$ X	(1800)	Abachi 96	cs,p,pt
		Abachi 95P	p,pt
		Abachi 95ZB	cs,p,pt
		Bauer 95	–
		Bazizi 95	p,pt
		Derwent 95	p,pt
		Markosky 95	cs,et,p
		Barker 94	cs,p,pt
		Cdfcollabora 94F	cs,p,pt
		Garbincius 94	p,pt
		Dellagnello 92	–
$\overline{B}^0$ X	(1800)	Abe 96D	–
		Abe 96E	–
		Abe 95E	p,pt
		Abe 95M	–
		Abe 95N	–
		Abe 95P	–
		Abe 95R	–
		Abe 95ZB	–
		Abe 95ZC	–
		Abe 95ZI	–
		Anwaywiese 95	–
		Derwent 95	–
		Papadimitrio 95	cs,pt
		Ragan 95	–
		Skarha 95	–
		Ukegawa 95	–
		Abe 94ZF	cs,p,pt
		Byrum 94	cs,pt
		Dejongh 94	–
		Garbincius 94	p,pt
		Hara 94	cs
		Karen 94	pt
		Lewis 94	pt
		Lewis 94B	cs,pt
		Plunkett 94	cs,pt
		Shochet 94	cs,pt
		Crane 93	cs,pt
		Huffman 93	cs,pt

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$\bar{p}\,p$

Reaction	Momentum	Reference	Data
$\mu^- \mu^+$ X			
		Kim 94	mass
		Papadimitrio 94	mass,pt
		Quintas 94	cs,et,mass,p,pt
		Shochet 94	et,pt
		Yu 94B	cs,pt
		Abe 93N	mass,pt
		Abe 93W	mass
		Abe 93ZG	mass
		Abe 93ZJ	cs
		Denisov 93	mass,p,pt
		Dickson 93	mass
		Lebrun 93	mass,pt
		Lukens 93	mass
		Papadimitrio 93B	mass
		Papadimitrio 93C	mass
		Pordes 93	mass
		Schneider 93	mass,pt
		Shaw 93	cs
		Skarha 93	mass,pt
		Trippe 93	mass,pt
		Wenzel 93	mass,pt
		Zylberstejn 93	mass,p,pt
		Abe 92	mass
		Barbarogalti 92	cs,pt
		Gold 92	mass
		Maeshima 92	mass
		Sinervo 92	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
		Liss 91	pt
		Wenzel 91	mass
$2\mu^+$ X			
	(630)	Albajar 93B	pt
		Barbarogalti 92	pt
		Albajar 91C	pt
	(1800)	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
e^- heavy-ν X			
	(1800)	Abachi 95X	const,cs
e^+ heavy-ν X			
	(1800)	Abachi 95X	const,cs
μ^- heavy-ν X			
	(1800)	Abachi 95X	const,cs
μ^+ heavy-ν X			
	(1800)	Abachi 95X	const,cs
τ^- heavy-ν X			
	(1800)	Abachi 95X	const,cs
τ^+ heavy-ν X			
	(1800)	Abachi 95X	const,cs
$e^\pm\,\bar{b}$ X + $e^\pm\,b$ X			
	(1800)	Abachi 93	cs
$\mu^-\,b$ < jet > X			
	(1800)	Abe 95Q	ang,cs,et,pt
$D^0\,e^-$ X			
	(1800)	Abe 93O	cs
$D^0\,\mu^-$ X			
	(1800)	Byrum 94	mass,pt
$\overline{D}^0\,\mu^+$ X			
	(1800)	Byrum 94	mass,pt
$D^*(2010)^+\,\mu^-$ X			
	(1800)	Byrum 94	mass,pt
$D^*(2010)^-\,\mu^+$ X			
	(1800)	Byrum 94	mass,pt

$\bar{p}\,p$

Reaction	Momentum	Reference	Data
$D_s^+\,e^-$ X			
	(1800)	Abe 94X	mass,p,pt
$D_s^-\,e^+$ X			
	(1800)	Abe 94X	mass,p,pt
$D_s^-\,\mu^-$ X			
	(1800)	Abe 94X	mass,p,pt
$D_s^-\,\mu^+$ X			
	(1800)	Abe 94X	mass,p,pt
$J/\psi(1S)\,\mu^-$ X			
	(1800)	Hedin 94	cor,p,pt
$J/\psi(1S)\,\mu^+$ X			
	(1800)	Hedin 94	cor,p,pt
annihil mult[charged-meson] (neutrals)			
	0.0651 – 0.0725	Agnello 91	mult
charged (chargeds) X			
	(300 – 1800)	Alexopoulos 94C	mult,pt
	(630)	Bocquet 94	cor,mult,pt
	(1800)	Rimondi 94	col,mult,pt
		Yu 94	et,p,pt
charged mult[charged] X			
	(630)	Bocquet 95C	cor,mult,p,pt
	(1800)	Decarlo 94	cor
charged neutral X			
	(1800)	Goulianos 94	mult
2charged X			
	(1800)	Rimondi 94	cor,p
2charged$^+$ X			
	(630)	Neumeister 93	cor
charged$^+$ charged$^-$ X			
	(630)	Neumeister 93	cor
2charged$^-$ X			
	(630)	Neumeister 93	cor
(jets) jet X			
	(1800)	Streets 95	et,p,pt
		Abe 93ZB	col,et
		Zanetti 93	et
neutral jet X			
	(1800)	Hoftun 95	et
		Claes 94	et
2jet X			
	(630)	Bocquet 94	ang,et
		Alitti 93	angp,mass
		Brandt 92B	angp,mass,p,pt
		Brandt 91	ang,angp,mass,p,pt
		Alitti 90D	angp,mass
	(1800)	Abachi 95ZC	cor,p
		Abe 95D	angp,et,mass,p,pt
		Blazey 95	ang,cor,et,p
		Buckleygeer 95	mass
		Harris 95	angp,et,mass,p
		Heuring 95	angp,cor,p
		Lamoureux 95	angp,cor,p,pt
		Melese 95	cor,et,p
		Abachi 94	cor,p
		Abe 94L	cor,et
		Abe 94Y	angp,et,mass,p
		Bhatti 94	et,p
		Fahley 94	col,et,p
		Geer 94	angp,mass
		Harris 94B	mass,p
		Kovacs 94B	cor,et,p
		Plunkett 94	et,p
		Weerts 94	ang,cor,p
		Yu 94	ang,cor,et,mass,p

$\bar{p}\,p$

Reaction	Momentum	Reference	Data
2jet X			
		Abe 93C	mass
		Abe 93H	et
		Abe 93K	ang
		Abe 93ZC	mass
		Blazey 93	ang,p
		Borcherding 93	cor,et,p
		Diehl 93	ang
		Huston 93	cor,et,p
		Maas 93	ang
		Streets 93	cor,p
		Zanetti 93	mass
		Zylberstejn 93	angp,et,mass,p
		Abe 92D	ang,mass
		Flaugher 92	mass
		Flaugher 92B	ang,mass
		Harris 92	ang,mass
		Incagli 92	mass
		Sinervo 92	ang,mass
		Buckleygeer 91	mass
		Flaugher 91	ang,mass
		Giannetti 91	mass
		Wainer 91	mass
hadron (hadrons) X			
	(1800)	Abachi 95S	col,et,p,pt
		Fahley 94	col,et,p
		Weerts 94	col,p,pt
		Huston 93	et
		Piekarz 93B	et,p
longlived$^+$ longlived$^-$ X			
	(1800)	Abe 92J	cs
γ neutral X			
	(1800)	Abe 94I	et
γ jet X			
	(630)	Alitti 92C	angp,p
	(1800)	Abachi 95T	ang,cor,et,p,pt
		Lamoureux 95	ang,cor,mass,p,pt
		Abe 94L	cor,et
		Abe 94ZD	et,mass,p
		Geer 94	angp,et,mass,pt
		Hawk 94	ang,et,p
		Plunkett 94	p,pt
		Abe 93F	pt
		Abe 93ZE	mass
		Cobal 93	mass
		Flaugher 93	mass,p
		Huston 93	mass,p
		Kephart 93	mass,p,pt
		Maas 93	ang
		Meschi 93	mass,p
		Flaugher 92	ang
		Flaugher 92B	ang
		Grassmann 92	ang
		Harris 92	ang
		Abe 91I	cs
		Harris 91	ang
2γ X			
	(100)	Harris 91	pt
	(540 – 630)	Jakobs 94	ang,et,mass,p
	(630)	Alitti 92B	pt
	(1800)	Abachi 95N	mass,p,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
		Flaugher 92B	pt
		Harris 92	mass
		Harris 92B	pt
		Laasanen 91	pt
$W^\pm$ mult[charged] X			
	(1800)	Rimondi 92B	mult

$\bar{p}\,p$

$W^{\pm}$ mult[jet] X
(1800) Abe 93V cs
Lidemarteau 93 cs,mult
Yu 93 cs,et,mult
Flaugher 92B mult
Madaras 92 mult
Rodrigo 92 mult

$W^{\pm}$ mult[hadron] X
(1800) Rimondi 92B et

$W^{\pm}$ charged X
(1800) Rimondi 92B mult,pt

$W^{\pm}$ jet X
(546 – 630) Lindgren 92 const,cs
(630) Alitti 91B const,cs
(1800) Abe 93V angp,et
Abe 93ZE mass
Cobal 93 mass

W^{+} jet X
(1800) Abachi 95Y const,cs,et
Abachi 95ZH cor,p
Abachi 95ZM const,cs,et,p
Blazey 95 const,et
Kopp 95 const,cs,pt
Lamoureux 95 angp,cor,p,pt
Yu 95 const,et,mult,p
Abachi 94B cs,et
Fahley 94 cor,cs,et
Geer 94 cs,et,pt
Graf 94 cs,et
Grannis 94 cs,et
Lidemarteau 94 cs,et
Plunkett 94 et,mult
Glicenstein 93 const,cs,et,p
Meschi 93 cs,et
Zylberstejn 93 const,cs,et,p

W^{-} jet X
(1800) Abachi 95Y const,cs,et
Abachi 95ZH cor,p
Abachi 95ZM const,cs,et,p
Blazey 95 const,et
Kopp 95 const,cs,pt
Lamoureux 95 angp,cor,p,pt
Yu 95 const,et,mult,p
Yu 95B const
Abachi 94B cs,et
Fahley 94 cor,cs,et
Geer 94 cs,et,pt
Graf 94 cs,et
Grannis 94 cs,et
Lidemarteau 94 cs,et
Plunkett 94 et,mult
Glicenstein 93 const,cs,et,p
Kephart 93 mass
Meschi 93 cs,et
Zylberstejn 93 const,cs,et,p

W^{+} hadron X
(1800) Melese 95 cor,et,mult,p

W^{-} hadron X
(1800) Melese 95 cor,et,mult,p

$W^{\pm}\,\gamma$ X
(630) Alitti 91J const,cs
(1800) Aihara 95 const,cs
Spadafora 94 cs
Diehl 93 angp

$W^{+}\,\gamma$ X
(1800) Abachi 95E const,et
Benjmain 95 const,cs,et,p
Abe 94N col,const,cs,pt

$\bar{p}\,p$

$W^{+}\,\gamma$ X
Abe 94P ang,col,const,cs,et
Ducros 94 const
Ellison 94 const,cs
Errede 94 const
Errede 94B const,cs
Frisch 94 cs
Fuess 94B const,cs,pt
Geer 94 const,cs
Hara 94 const,cs
Nodulman 94 const,cs
Shochet 94 const
Zylberstejn 93 const,cs

$W^{-}\,\gamma$ X
(1800) Abachi 95E const,et
Benjmain 95 const,cs,et,p
Abe 94N col,const,cs,pt
Abe 94P ang,col,const,cs,et
Ducros 94 const
Ellison 94 const,cs
Errede 94 const
Errede 94B const,cs
Frisch 94 cs
Fuess 94B const,cs,pt
Geer 94 const,cs
Hara 94 const,cs
Nodulman 94 const,cs
Shochet 94 const
Zylberstejn 93 const,cs

$W^{-}\,W^{+}$ X
(1800) Abachi 95C const,cs
Abachi 95U const,cs
Abachi 95ZF const,cs
Abe 95L const,cs,pt
Diehl 95 const,cs
Fuess 95 const,cs,pt
Ducros 94 const
Errede 94 const
Frisch 94 cs
Fuess 94B const,cs,pt
Hara 94 const,cs
Oshima 94 cs
Shochet 94 const

Z^{0} (jets) X
(1800) Abe 96F cs

Z^{0} mult[charged] X
(1800) Rimondi 92B mult

Z^{0} mult[hadron] X
(1800) Rimondi 92B et

Z^{0} charged X
(1800) Rimondi 92B mult,pt

Z^{0} jet X
(1800) Abachi 95ZH cor,p
Yu 95 const,et,mult,p
Hauger 94B ang,et
Markeloff 92 cs

$Z^{0}\,\gamma$ X
(1800) Abachi 95B const,cs,et,p
Abachi 95O const,et,p
Abachi 95ZJ const,et,p
Aihara 95 const,cs
Benjmain 95 const,cs,et,p
Landsberg 95 const,et,p
Wagner 95 const,cs,p,pt
Abe 94O const,cs,et,pt
Abe 94P ang,col,const,cs,et
Ducros 94 const
Ellison 94 const,cs
Errede 94 const
Errede 94B const,cs

$\bar{p}\,p$

$Z^{0}\,\gamma$ X
Frisch 94 cs
Geer 94 const,cs
Hara 94 const,cs
Nodulman 94 const,cs
Shochet 94 const

$Z^{0}\,W^{+}$ X
(1800) Abachi 95ZF const,cs
Abe 95L const,cs,pt
Diehl 95 const,cs
Fuess 95 const,cs,pt
Ducros 94 const
Errede 94 const
Errede 94B const,cs
Frisch 94 cs
Fuess 94B const,cs,pt
Hara 94 const,cs
Nodulman 94 const,cs
Shochet 94 const
Diehl 93 –

$Z^{0}\,W^{-}$ X
(1800) Abachi 95ZF const,cs
Abe 95L const,cs,pt
Diehl 95 const,cs
Fuess 95 const,cs,pt
Ducros 94 const
Errede 94 const
Errede 94B const,cs
Frisch 94 cs
Hara 94 const,cs
Nodulman 94 const,cs
Shochet 94 const

$2Z^{0}$ X
(1800) Ducros 94 const
Errede 94 const
Shochet 94 const

$\overline{\text{lepto-quark}}$ lepto-quark X
(540 – 630) Jakobs 94 cs
(630) Alitti 91D –
(1800) Abachi 95Z cs
Abachi 95ZG cs
Abe 95B cs
Harris 95 cs
Hoftun 95 cs
Park 95 cs
Hagopian 94 cs
Park 94B –
White 94 cs
Abachi 93B cs
Abe 93R cs
Merritt 93 cs
Shaw 93 –
Moulding 92 cs
Sinervo 92 cs

$q\,\bar{q}$ X
(1800) Abe 92J cs

$\bar{b}\,b$ X
(1800) Harris 95B mass
Derwent 94 ang,const,p
Abe 93I cs

$t\,\bar{b}$ X
(630) Alitti 92 –
Barbarogalti 92 cs
Albajar 90H –

$\bar{t}\,b$ X + $t\,\bar{b}$ X
(540 – 630) Jakobs 94 cs

$\bar{t}\,t$ X
(540 – 630) Jakobs 94 cs
(630) Alitti 92 –
Albajar 90H –
(1800) Abe 96 cs
Abachi 95G cs
Abe 95K cs
Beretvas 95 cs
Beretvas 95B cs,mass
Beretvas 95C cs
Harris 95B mass
Klima 95B cs
Strovink 95 cs

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$\bar{p}\, p$

$\bar{t}\, t$ X		
	Abe 94B	cs
	Abe 94E	cs
	Abe 94ZE	cs
	Konigsberg 94	cs
	Leone 94	cs
	Sphicas 94	cs
	Abachi 93	cs
	Abe 93ZJ	cs
	Benlloch 93	cs
	Bhat 93	cs
	Cobal 93	cs
	Diehl 93	cs
	Fatyga 93	cs
	Greenlee 93	cs
	Lidemarteau 93	cs
	Narain 93	cs
	Shaw 93	cs
	Madaras 92	–
	Yeh 92	cs
	Abe 91G	cs
	Abe 91K	–
	Barbarogalti 91	cs
	Campagnari 91	cs
	Contreras 91	cs
	Liss 91	cs
	Sliwa 91	cs
	Abe 90I	cs
γ neutralino X		
(1800)	Abe 94I	cs
chargino neutralino X		
(1800)	White 94	cs
	Wolinski 94	cs
chargino$^+$ neutralino X		
(1800)	Abe 96C	cs
	Kamon 94	cs
	Abe 93ZH	cs
	Cobal 93	cs
chargino$^-$ neutralino X		
(1800)	Abe 96C	cs
	Kamon 94	cs
	Abe 93ZH	cs
	Cobal 93	cs
wino$^-$ wino$^+$ X		
(1800)	Eno 95	cs
zino wino$^+$ X		
(1800)	Abachi 95ZO	cs
	Eno 95	cs
	Blessing 94	cs
zino wino$^-$ X		
(1800)	Abachi 95ZO	cs
	Eno 95	cs
	Blessing 94	cs
2gluino X		
(540 – 630)	Jakobs 94	cs
(1800)	Abachi 95F	const,cs
	Abachi 95L	const,cs
	Abe 95ZH	cs
	Eno 95	const,cs
	Hagopian 94	cs
$b\, H^+$ X		
(1800)	Abe 94E	mass
$\bar{b}\, H^-$ X		
(1800)	Abe 94E	mass
$\tilde{e}^-\ \tilde{e}^+$ X		
(540 – 630)	Jakobs 94	cs
gluino X $\tilde{q}$		
(540 – 630)	Jakobs 94	cs
(1800)	Abachi 95F	const,cs
	Abachi 95L	const,cs
	Abe 95ZH	cs
	Eno 95	const,cs
gluino X $\bar{\tilde{q}}$		
(540 – 630)	Jakobs 94	cs
(1800)	Abachi 95F	const,cs
	Abachi 95L	const,cs
	Abe 95ZH	cs
	Eno 95	const,cs

$\bar{p}\, p$

X $\bar{\tilde{q}}\ \tilde{q}$		
(540 – 630)	Jakobs 94	cs
(1800)	Abachi 95F	const,cs
	Abachi 95L	const,cs
	Abe 95ZH	cs
	Eno 95	const,cs
	Hagopian 94	cs
$\bar{\tilde{t}}\ \tilde{t}$ X		
(1800)	Abachi 95ZP	cs
$\pi^+\ \gamma$ X		
(1800)	Abe 95ZK	mass
$\pi^-\ \gamma$ X		
(1800)	Abe 95ZK	mass
2π X		
(630 – 900)	Neumeister 91	p,pt
$2\pi^\pm$ X		
(630)	Lipa 91	angp,cor
$2\pi^+$ X		
0	Adler 94	angp,cor
(1800)	Alexopoulos 94	angp,cor
	Alexopoulos 92B	cor,pt
$2\pi^+$ X + $2\pi^-$ X		
(630)	Lipa 91	angp,cor
(1800)	Lindsey 91	angp,cor,p,pt
$\pi^0\ \pi^\pm$ X		
(1800)	Abe 94H	mass
$\pi^+\ \pi^-$ X		
0	Adamo 92B	mass
	Gastaldi 91	mass
0.4 – 0.67	Fukuhisa 92	mass
(630)	Lipa 91	angp,cor
(1800)	Alexopoulos 92B	cor,pt
$2\pi^-$ X		
0	Adler 94	angp,cor
(1800)	Alexopoulos 94	angp,cor
	Alexopoulos 92B	cor,pt
$\pi^+\ \pi^-$ (neutrals)		
0	Adler 95F	mass
K^+ mult[charged-hadron] X		
(630)	Bocquet 95	cor,p,pt
K^- mult[charged-hadron] X		
(630)	Bocquet 95	cor,p,pt
K_S mult[charged-hadron] X		
(630)	Bocquet 95	cor,p,pt
$K^+\ \pi^-$ X		
0.4 – 0.67	Fukuhisa 92	mass
$K^-\ \pi^+$ X		
0.4 – 0.67	Fukuhisa 92	mass
$K^+\ K^-$ X		
0	Gastaldi 91	mass
0.4 – 0.67	Fukuhisa 92	mass
$\phi(1020)$ mult[charged] X		
(1800)	Decarlo 92	pt
$\phi(1020)$ mult[charged] (neutrals)		
(1800)	Lindsey 91	mult,pt
$\phi(1020)\ \pi^+$ X		
(1800)	Lecompte 94	mass
$\phi(1020)\ \pi^-$ X		
(1800)	Mueller 94	mass,pt
γ charm X		
(1800)	Blair 95	et,pt
	Hamilton 94	cs,pt
	Kuhlmann 94B	cs,p,pt
$\gamma\ \overline{\text{charm}}$ X		
(1800)	Blair 95	et,pt
	Kuhlmann 94B	cs,p,pt
$D^*(2010)^+\ \gamma$ X		
(1800)	Blair 95	et,pt

$\bar{p}\, p$

$D^*(2010)^+\ \gamma$ X		
	Kuhlmann 94B	cs,p,pt
$D^*(2010)^-\ \gamma$ X		
(1800)	Blair 95	et,pt
	Kuhlmann 94B	cs,p,pt
$J/\psi(1S)$ hadron X		
(630)	Albajar 90G	ang
$J/\psi(1S)\ \gamma$ X		
(1800)	Markosky 95	mass,p,pt
$J/\psi(1S)\ \pi^+$ X		
(1800)	Abe 95O	mass
	Abe 95X	mass,p,pt
$J/\psi(1S)\ \pi^-$ X		
(1800)	Abe 95O	mass
	Abe 95X	mass,p,pt
$K^+\ J/\psi(1S)$ X		
(1800)	Abe 95E	mass,p,pt
	Abe 95O	mass
	Abe 95P	mass,p
	Abe 95X	mass,p,pt
	Abe 94D	mass
	Anwaywiese 94	mass
	Hara 94	mass,p
	Lewis 94	mass
	Plunkett 94	mass,p
	Abe 93Y	mass
	Lebrun 93	mass
	Lukens 93	mass
	Papadimitrio 93B	mass
	Papadimitrio 93C	mass
$K^-\ J/\psi(1S)$ X		
(1800)	Abe 95E	mass,p,pt
	Abe 95O	mass
	Abe 95P	mass,p
	Abe 95X	mass,p,pt
	Anwaywiese 94	mass
	Hara 94	mass,p
	Lewis 94	mass
	Plunkett 94	mass,p
	Lukens 93	mass
	Papadimitrio 93B	mass
	Papadimitrio 93C	mass
$K_S\ J/\psi(1S)$ X		
(1800)	Abe 94D	mass
	Lewis 94	mass
	Lukens 93	mass
$K^*(892)^+\ J/\psi(1S)$ X		
(1800)	Abe 94D	mass
	Lewis 94	mass
$K^*(892)^0\ J/\psi(1S)$ X		
(1800)	Abe 95E	mass,p,pt
	Abe 95P	mass,p
	Abe 95ZB	ang,mass
	Abe 95ZC	mass
	Abe 94D	mass
	Abe 94ZF	mass
	Hara 94	mass,p
	Lewis 94	mass
	Plunkett 94	mass,p
	Abe 93Y	mass
	Lebrun 93	mass
	Lukens 93	mass
	Papadimitrio 93B	mass
	Papadimitrio 93C	mass
$\overline{K}^*(892)^0\ J/\psi(1S)$ X		
(1800)	Abe 95E	mass,p,pt
	Abe 95P	mass,p
	Abe 95ZB	ang,mass
	Abe 95ZC	mass
	Abe 94ZF	mass
	Hara 94	mass,p
	Lewis 94	mass
	Plunkett 94	mass,p
	Papadimitrio 93B	mass
	Papadimitrio 93C	mass
$K^*(892)^-\ J/\psi(1S)$ X		
(1800)	Lewis 94	mass

$\bar{p}\,p$

$J/\psi(1S)\,\phi(1020)$ 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

$K^+\,\psi(2S)$ X
(1800) Abe 94D mass
Lewis 94 mass

$K^-\,\psi(2S)$ X
(1800) Lewis 94 mass

$K_S\,\psi(2S)$ X
(1800) Abe 94D mass
Lewis 94 mass

$K^*(892)^+\,\psi(2S)$ X
(1800) Abe 94D mass
Lewis 94 mass

$K^*(892)^0\,\psi(2S)$ X
(1800) Abe 94D mass
Lewis 94 mass

$\overline{K}^*(892)^0\,\psi(2S)$ X
(1800) Lewis 94 mass

$K^*(892)^-\,\psi(2S)$ X
(1800) Lewis 94 mass

bottom $\overline{\text{bottom}}$ X
(630) Albajar 95 ang,const,cs,p,pt
Albajar 93B angp,cs
Forty 93 –
Albajar 91C –
(1800) 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

$B\,\overline{B}$ X
(630) Rossi 91 cs
(1800) Abe 95U cs,p,pt
Papadimitrio 95 ang,p,pt
Barker 94 cs,p,pt
Huffman 93 cs,pt

$B^0\,\overline{B}$ X
(1800) Abachi 95R –
Abe 95U cs,p,pt
Skarha 95 –
Denisov 93 –
Igarashi 93 –
Zylberstejn 93 –

$\overline{B}^0\,B$ X
(1800) Abachi 95R –
Abe 95U cs,p,pt
Skarha 95 –
Denisov 93 –
Igarashi 93 –
Zylberstejn 93 –

$B^0\,\overline{B}^0$ X
(630) Barbarogalti 92 –
(1800) Abe 95Y –
Forty 93 –
Shaw 93 –
Barbarogalti 92 –
Abe 91N –
Song 91 –

$B_s\,\overline{B}$ X
(1800) Denisov 93 –
Igarashi 93 –

$\bar{p}\,p$

$B_s\,\overline{B}$ X
Zylberstejn 93 –

$\overline{B}_s\,B$ X
(1800) Denisov 93 –
Igarashi 93 –
Zylberstejn 93 –

$B_s\,\overline{B}_s$ X
(630) Barbarogalti 92 –

$\overline{\text{top}}$ top X
(1800) 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
Benlloch 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
Lidemarteau 94 cs
Nodulman 94 cs
Raja 94 cs
Shochet 94 cs
Tollestrup 94 cs
Watts 94 cs
Williams 94 cs

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

$\overline{\Lambda}$ mult[charged] X
(1800) Alexopoulos 92 cor,mult,pt
Decarlo 92 cs,pt

$\bar{p}\,p$

Λ mult[charged] (neutrals) + $\overline{\Lambda}$ mult[charged] (neutrals)
(1800) Lindsey 91 mult,pt

Λ mult[charged-hadron] X
(630) Bocquet 95 cor,p,pt

$\overline{\Lambda}$ 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^- 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

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$\overline{p}\, p$

e^- hadron (hadrons) X

Taketani 94 et,mass,p
Cdfcollabora 93F et,p,pt
Dickson 93 et,p
Zhu 93 et,p

e^- hadron (hadrons) 0jet X

(1800) Fahley 94 cor,et

e^+ 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
Taketani 94 et,mass,p
Cdfcollabora 93F et,p,pt
Dickson 93 et,p
Zhu 93 et,p

e^+ hadron (hadrons) 0jet X

(1800) Fahley 94 cor,et

e^- e^+ (jets) X

(1800) Cdfcollabora 94D et

e^- e^+ jet X

(1800)
Abachi 95X cs,et,p,pt
Cdfcollabora 94D et,mass,mult
Hauger 94B et,mass

e^- $\overline{\nu}_e$ γ X

(1800)
Aihara 95 et
Errede 94 et,mass,p

e^+ ν_e γ X

(1800)
Aihara 95 et
Errede 94 et,mass,p

e^- e^+ γ X

(1800)
Abachi 95B cor,cs,et,mass,p,pt
Abachi 95O col,et,mass,p,pt
Abachi 95ZJ col,et,mass,p,pt
Aihara 95 et
Benjmain 95 et,mass,p,pt
Landsberg 95 et,mass,p,pt
Wagner 95 cor,mass,p,pt
Abe 94O col,cs,et,mass,p,pt
Ellison 94 et,mass,p,pt
Errede 94 et,mass,p
Errede 94B et,mass,p,pt

$3e^\pm$ X

(1800)
White 94 p,pt
Wolinski 94 p,pt

$2e^-$ e^+ X

(1800)
Eno 95 et,p,pt
Blessing 94 et,p,pt
Kamon 94 ang,cor,p,pt

e^- $2e^+$ X

(1800)
Eno 95 et,p,pt
Blessing 94 et,p,pt
Kamon 94 ang,cor,p,pt

μ^- 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,pt
Jensen 94 cs
Raja 94 col,et

μ^+ 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,pt
Jensen 94 cs
Raja 94 col,et

μ^- hadron (hadrons) X

(1800)
Abachi 95I col,et,p,pt
Abachi 95ZE col,et,et,mass,p
Abe 95C col,et,p,pt
Abe 95I col,et,p,pt
Debarbaro 95 col,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
Abe 94M et,p
Budd 94 col,p,pt
Debarbaro 94 col,et,p,pt
Geer 94 et,mass,p
Graf 94 et,p
Hara 94 col,et,p,pt
Jung 94 col,et,p,pt
Keup 94 col,et,p,pt
Melese 94 et,mult,p
Nodulman 94 col,et,p,pt
Quintas 94 cs,et,p
Sakyumoto 94 et,p
Taketani 94 p
Dickson 93 et,p
Meschi 93 col,p,pt

μ^+ hadron (hadrons) X

(1800)
Abachi 95I col,et,p,pt
Abachi 95ZE col,et,et,mass,p
Abe 95C col,et,p,pt
Abe 95I col,et,p,pt
Debarbaro 95 col,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
Abe 94M et,p

$\overline{p}\, p$

μ^+ hadron (hadrons) X

Budd 94 col,p,pt
Debarbaro 94 col,et,p,pt
Geer 94 et,mass,p
Graf 94 et,p
Hara 94 col,et,p,pt
Jung 94 col,et,p,pt
Keup 94 col,et,p,pt
Melese 94 et,mult,p
Nodulman 94 col,et,p,pt
Quintas 94 cs,et,p
Sakyumoto 94 et,p
Taketani 94 p
Dickson 93 et,p
Meschi 93 col,p,pt

μ^- e^- jet X

(1800) Raja 94 et

μ^+ e^+ jet X

(1800) Raja 94 et

$\mu^\pm$ $2e^\pm$ X

(1800)
White 94 p,pt
Wolinski 94 p,pt

μ^- e^- e^+ X

(1800)
Eno 95 et,p,pt
Blessing 94 et,p,pt
Kamon 94 ang,cor,p,pt

μ^+ e^- e^+ X

(1800)
Eno 95 et,p,pt
Blessing 94 et,p,pt
Kamon 94 ang,cor,p,pt

μ^- μ^+ (jets) X

(1800) Cdfcollabora 94D et

$2\mu^-$ jet X

(1800) Abachi 95R cor,et,p,pt

μ^- μ^+ jet X

(1800)
Abachi 95R cor,et,p,pt
Cdfcollabora 94D et,mass,mult
Hauger 94B et,mass

$2\mu^+$ jet X

(1800) Abachi 95R cor,et,p,pt

$2\mu^-$ γ X

(1800) Errede 94 et,mass,p

μ^- $\overline{\nu}_\mu$ γ X

(1800)
Aihara 95 et
Errede 94 et,mass,p

μ^+ ν_μ γ X

(1800)
Aihara 95 et
Errede 94 et,mass,p

μ^- μ^+ γ X

(1800)
Abachi 95B cor,cs,et,mass,p,pt
Abachi 95O col,et,mass,p,pt
Abachi 95ZB mass,p,pt
Abachi 95ZJ col,et,mass,p,pt
Abe 95T mass
Aihara 95 et
Bazizi 95 mass,p,pt
Benjmain 95 et,mass,p,pt
Derwent 95 mass,p,pt
Landsberg 95 et,mass,p,pt
Wagner 95 cor,mass,p,pt
Abe 94O col,cs,et,mass,p,pt
Ellison 94 et,mass,p,pt
Errede 94B et,mass,p,pt
Hedin 94 ang,mass,p,pt

$\overline{p}\,p$

$\mu^- \mu^+ \gamma$ X

	Papadimitrio 93B	mass
	Papadimitrio 93C	mass
	Pordes 93	mass

$2\mu^\pm e^\pm$ X

(1800)	White 94	p,pt
	Wolinski 94	p,pt

$\mu^- \mu^+ e^-$ X

(1800)	Eno 95	et,p,pt
	Blessing 94	et,p,pt
	Kamon 94	ang,cor,p,pt

$\mu^- \mu^+ e^+$ X

(1800)	Eno 95	et,p,pt
	Blessing 94	et,p,pt
	Kamon 94	ang,cor,p,pt

$3\mu^\pm$ X

(1800)	White 94	p,pt
	Wolinski 94	p,pt

$2\mu^- \mu^+$ X

(1800)	Eno 95	et,p,pt
	Blessing 94	et,p,pt
	Kamon 94	ang,cor,p,pt
	Abe 93ZH	pt
	Cobal 93	pt

$\mu^- 2\mu^+$ X

(1800)	Eno 95	et,p,pt
	Blessing 94	et,p,pt
	Kamon 94	ang,cor,p,pt
	Abe 93ZH	pt
	Cobal 93	pt

$\pi^+ \mu^- \mu^+$ X

(1800)	Abe 95O	mass

$\pi^- \mu^- \mu^+$ X

(1800)	Abe 95O	mass

$K^\pm \mu^- \mu^+$ X

(1800)	Cdfcollabora 94E	mass

$K^+ \mu^- \mu^+$ X

(1800)	Abe 95E	mass,p,pt
	Abe 95O	mass
	Anwaywiese 94	mass
	Byrum 94	mass,pt
	Mueller 94	mass,pt
	Abe 93ZG	mass
	Schneider 93	mass
	Skarha 93	mass
	Wenzel 93	mass

$K^- \mu^- \mu^+$ X

(1800)	Abe 95E	mass,p,pt
	Abe 95O	mass
	Anwaywiese 94	mass
	Byrum 94	mass,pt
	Abe 92	mass

$K_S \mu^- \mu^+$ X

(1800)	Mueller 94	mass,pt
	Schneider 93	mass
	Skarha 93	mass
	Wenzel 93	mass

$K^+ \pi^- e^+$ X

(1800)	Lewis 94B	mass,pt

$K^- \pi^+ e^-$ X

(1800)	Lewis 94B	mass,pt

$K^+ \pi^- \mu^+$ X

(1800)	Lewis 94B	mass,pt

$K^- \pi^+ \mu^-$ X

(1800)	Lewis 94B	mass,pt

$\phi(1020)\,\pi^+ e^-$ X

(1800)	Abe 94X	mass,p,pt

$\phi(1020)\,\pi^- e^+$ X

(1800)	Abe 94X	mass,p,pt

$\phi(1020)\,\pi^+ \mu^-$ X

(1800)	Abe 94X	mass,p,pt

$\overline{p}\,p$

$\phi(1020)\,\pi^- \mu^+$ X

(1800)	Abe 94X	mass,p,pt

$D^*(2010)^0\,\mu^- \overline{\nu}_\mu$ X

(1800)	Lecompte 94	mass,pt

$D_s^+\,e^- \overline{\nu}_e$ X

(1800)	Lecompte 94	mass,pt

2charged (chargeds) X

22.4	Boos 95	col,cor,p
32	Bogolyubsky 95	cor,mult,p
	Boos 95	col,cor,p
(1800)	Rimondi 94	cor,mult,p

2charged (chargeds) (neutrals)

(630)	Lipa 91	angp,col,mult

neutral (jets) jet X

(1800)	Hu 93	cor,et,p
	Hu 93B	cor,et,p

(chargeds) 2jet X

(1800)	Abe 94K	ang,et,mult,p
	Kovacs 94	cor,et,mult,p

(jets) 2jet X

(540 – 630)	Jakobs 94	ang,et,mass,p
(1800)	Abachi 96B	ang,cor,et,p
	Abachi 95H	cor,et,p
	Cobal 93	et,p
	Abe 92M	et,p
	Borzumati 92	et,p
	Gold 92	pt
	Kuhlmann 91	pt
	Laasanen 91	pt

(hadrons) 2jet X

(1800)	Blazey 95	cor,et,mult,p

neutral 2jet X

(1800)	Norman 94	et,p,pt

higgs 2jet X

(1800)	Abachi 95T	cs

3jet X

(1800)	Abachi 95W	col,et,p
	Abachi 95ZK	angp,cs,mass,p
	Abe 95D	angp,et,mass,p,pt
	Geer 95B	ang,cor,et,p
	Bartalini 94	et,p
	Geer 94	angp,cor,et,mass,p
	Giannetti 94	ang,angp,et,p
	Weerts 94	ang,p
	Yu 94	ang,et,mass
	Borcherding 93	ang,cor,et,p
	Flaugher 92	mass,p
	Harris 92	ang
	Madaras 92	et
	Meschi 92	ang,col,pt
	Abe 91O	ang,angp,mass,p
	Buckleygeer 91	ang
	Giannetti 91	ang,p
	Wainer 91	ang,p

hadron 2jet X

(1800)	Abachi 95Q	mult,p
	Bertram 95	ang,cor,p,pt
	Melese 95	cor,et,p

γ (jets) jet X

(1800)	Buckleygeer 94	et,mult
	Fahley 94	angp,p,pt
	Abe 93E	angp,p,pt

γ 2jet X

(1800)	Buckleygeer 94	et,mass
	Abe 91I	cs

$\overline{p}\,p$

2γ jet X

(1800)	Yu 94	et

W^+ (jets) jet X

(540 – 630)	Jakobs 94	const,cs,p,pt
(1800)	Yu 95B	et,mass,mult,p
	Geer 94	cs,mult

W^- (jets) jet X

(540 – 630)	Jakobs 94	const,cs,p,pt
(1800)	Yu 95B	et,mass,mult,p
	Geer 94	cs,mult

$W^\pm$ 2jet X

(1800)	Klima 93	cs,pt
	Leone 92	cs,p

W^+ 2jet X

(1800)	Kopp 95	cs,mass
	Abachi 94B	cs,et
	Graf 94	cs,et
	Grannis 94	cs,et
	Lidemarteau 94	cs,et
	Glicenstein 93	const,cs,et,p

W^- 2jet X

(1800)	Kopp 95	cs,mass
	Abachi 94B	cs,et
	Graf 94	cs,et
	Grannis 94	cs,et
	Lidemarteau 94	cs,et
	Glicenstein 93	const,cs,et,p

Z^0 (jets) jet X

(540 – 630)	Jakobs 94	const,cs,p,pt
(1800)	Abe 96F	ang,angp,cor,cs,et
	Yu 95	et,p
	Yu 95B	et,mass,mult,p
	Cdfcollabora 94D	cor,cs,et

Z^0 2jet X

(1800)	Yu 95	ang,cor,et,mass,p
	Abe 91I	cs

3lepto-quark X

(1800)	Norman 94	cs

$W^\pm\,\overline{b}$ mult[jet] X + $W^\pm\,b$ mult[jet] X

(1800)	Benlloch 93	cs
	Shaw 93	cs

π^+ mult[charged$^+$] mult[charged$^-$] X

32	Zabrodin 95	cs,mult,p,pt

π^- mult[charged$^+$] mult[charged$^-$] X

32	Zabrodin 95	cs,mult,p,pt

$2\pi^+$ mult[charged] X

(1800)	Decarlo 92	cor

$2\pi^-$ mult[charged] X

(1800)	Decarlo 92	cor

3π X

(630 – 900)	Neumeister 91	p,pt

$3\pi^+$ X + $3\pi^-$ X

(630)	Lipa 91	angp,cor

K^- mult[charged$^+$] mult[charged$^-$] X

32	Zabrodin 95	cs,mult,p,pt

$D^0\,\pi^+ \gamma$ X

(1800)	Kuhlmann 94B	ang,mass,p

$\overline{D}^0\,\pi^- \gamma$ X

(1800)	Kuhlmann 94B	ang,mass,p

$J/\psi(1S)\,\pi^+ \pi^-$ X

(1800)	Abe 93ZG	mass
	Lukens 93	mass

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$\overline{p}\,p$

$J/\psi(1S)\ \pi^+\ \pi^-$ X
Papadimitrio 93B mass
Papadimitrio 93C mass

$K^+\ K^-\ J/\psi(1S)$ X
(1800) Abe 93Y mass
Lukens 93 mass

$B\ \overline{B}$ jet X
(1800) Abachi 95M p,pt

p mult[charged$^+$] mult[charged$^-$] X
32 Zabrodin 95 cs,mult,p,pt

$p\ 2\pi^-$ X
(1800) Alexopoulos 92 mass

$\overline{p}\ 2\pi^+$ X
(1800) Alexopoulos 92 mass

$p\ \overline{p}$ mult[charged] X
(630) Joyce 91 et,mass,p,pt,pt

DD $<p>$ DD $<\overline{p}>$ mult[charged] X
(630) Joyce 93 cs,mult

$p\ \overline{p}$ mult[jet] X
(630) Joyce 91 et,mult

$p\ \overline{p}$ charged X
(630) Joyce 91 p

$p\ \overline{p}\ \pi^+$ X
(630) Joyce 91 p

$p\ \overline{p}\ \pi^-$ X
(630) Joyce 91 p

$p\ \overline{p}\ K^+$ X
(630) Joyce 91 p

$p\ \overline{p}\ K^-$ X
(630) Joyce 91 p

$2p\ \overline{p}$ X
(630) Joyce 91 p

$p\ 2\overline{p}$ X
(630) Joyce 91 p

$0e^\pm\ 0\mu^\pm$ (jets) 3jet X
(1800) Hagopian 94 cs,et

ℓ (jets) 2jet X
(1800) Leone 92 col,pt

$e^\pm$ (jets) 2jet X
(1800) Barbarogalti 91 mass,pt
Kuhlmann 91 ang

e^- (jets) 2jet X
(1800) Barbarogalti 92 ang,p,pt
Liss 91 ang,mass,p,pt
Abe 90I ang,mass,p,pt

e^+ (jets) 2jet X
(1800) Barbarogalti 92 ang,p,pt

e^- neutral 2jet X
(1800) Norman 94 et,p,pt

e^+ neutral 2jet X
(1800) Norman 94 et,p,pt

$e^\pm$ 3jet X
(1800) Madaras 92 et
Abe 91I cs

e^- 2jet jet $<B$ X$>$ X
(1800) Abe 95I cor,et,p,pt

e^- 2jet jet $<\overline{B}$ X$>$ X
(1800) Abe 95I cor,et,p,pt

e^- 3jet X
(1800) Antos 94 cs
Chakraborty 94 cs,et,p,pt

$\overline{p}\,p$

e^- 3jet X
Jensen 94 cs

e^+ 2jet jet $<B$ X$>$ X
(1800) Abe 95I cor,et,p,pt

e^+ 2jet jet $<\overline{B}$ X$>$ X
(1800) Abe 95I cor,et,p,pt

e^+ 3jet X
(1800) Antos 94 cs
Chakraborty 94 cs,et,p,pt
Jensen 94 cs

e^- hadron (hadrons) jet X
(1800) Fahley 94 cor,et

e^+ hadron (hadrons) jet X
(1800) Fahley 94 cor,et

$e^-\ \gamma$ hadron (hadrons) X
(1800) Abachi 95E col,et,p,pt
Benjmain 95 col,et,p,pt
Abe 94N col,et,pt
Abe 94P col,et,mass
Ellison 94 col,et,p,pt
Errede 94B et,p,pt
Fuess 94B cs,et,mass,pt

$e^+\ \gamma$ hadron (hadrons) X
(1800) Abachi 95E col,et,p,pt
Benjmain 95 col,et,p,pt
Abe 94N col,et,pt
Abe 94P col,et,mass
Ellison 94 col,et,p,pt
Errede 94B et,p,pt
Fuess 94B cs,et,mass,pt

$e^\pm\ \nu$ 2jet X
(1800) White 94 mass
Abachi 93B mass

$e^-\ \overline{\nu}$ 2jet X
(1800) Abachi 95ZF et,mass,p
Park 95 col,et,mass

$e^+\ \nu$ 2jet X
(1800) Abachi 95ZF et,mass,p
Park 95 col,et,mass

$2e^\pm$ 2jet X
(1800) Gold 92 pt

$e^-\ e^+$ 2jet X
1800 Bhat 93 et
Narain 93 et
(1800) Abachi 95G et,mass,pt
Abachi 95X cs,et,p,pt
Abe 95K et,mass,pt
Abe 95L et,mass,p,pt
Fuess 95 mass,p,pt
Abe 94T cor,et,mass,p,pt
Frisch 94 et,p
Garbincius 94 cor,et,p,pt
Geer 94 cs,et,p,pt
Genser 94 cs,et,p,pt
Hagopian 94 et,mass
Nodulman 94 et,p
Norman 94 et,p,pt
Shochet 94 et,mass,pt
White 94 mass
Abachi 93 cs
Abachi 93B mass
Benlloch 93 cs
Bhat 93 et
Cobal 93 et,pt
Diehl 93 et,mass
Merritt 93 mass
Madaras 92 et
Moulding 92 angp,p

$e^-\ e^+$ hadron (hadrons) X
(1800) Abachi 95C ang,col,et,p,pt

$\overline{p}\,p$

$e^-\ e^+$ hadron (hadrons) X
Abachi 95I et,mass,p,pt
Abachi 95K et,p,pt
Abachi 95U ang,col,et,p,pt
Abachi 95ZE col,et,et,mass,p
Eno 95 et,mass,p,pt
Fuess 95 col,et,mass,p,pt
Fahley 94 et,mass
Geer 94 et,mass,p
Taketani 94 et,mass,p
Glicenstein 93 cor,et,p,pt

$2e^-\ e^+\ \overline{\nu}_e$ X
(1800) Errede 94 et,mass,p

$e^-\ e^+\ \nu_e\ \overline{\nu}_e$ X
(1800) Errede 94 et,mass,p

$e^-\ 2e^+\ \nu_e$ X
(1800) Errede 94 et,mass,p

$2e^-\ 2e^+$ X
(1800) Errede 94 et,mass,p

$\mu^\pm$ (jets) 2jet X
(1800) Kuhlmann 91 ang

μ^- (jets) 2jet X
(1800) Barbarogalti 92 ang,p,pt
Liss 91 ang,mass,p,pt

μ^+ (jets) 2jet X
(1800) Barbarogalti 92 ang,p,pt

μ^- neutral 2jet X
(1800) Norman 94 et,p,pt

μ^+ neutral 2jet X
(1800) Norman 94 et,p,pt

μ^- 2jet jet $<B$ X$>$ X
(1800) Abe 95I cor,et,p,pt

μ^- 2jet jet $<\overline{B}$ X$>$ X
(1800) Abe 95I cor,et,p,pt

μ^- 3jet X
(1800) Antos 94 cs
Chakraborty 94 cs,et,p,pt
Jensen 94 cs

μ^+ 2jet jet $<B$ X$>$ X
(1800) Abe 95I cor,et,p,pt

μ^+ 2jet jet $<\overline{B}$ X$>$ X
(1800) Abe 95I cor,et,p,pt

μ^+ 3jet X
(1800) Antos 94 cs
Chakraborty 94 cs,et,p,pt
Jensen 94 cs

μ^- 2hadron (hadrons) X
(1800) Gerdes 94 et,p,pt

μ^+ 2hadron (hadrons) X
(1800) Gerdes 94 et,p,pt

$\mu^-\ \gamma$ hadron (hadrons) X
(1800) Abachi 95E col,et,p,pt
Benjmain 95 col,et,p,pt
Abe 94N col,et,pt
Abe 94P col,et,mass
Ellison 94 col,et,p,pt
Errede 94B et,p,pt
Fuess 94B cs,et,mass,pt

$\mu^+\ \gamma$ hadron (hadrons) X
(1800) Abachi 95E col,et,p,pt
Benjmain 95 col,et,p,pt

$\bar{p}\,p$

$\mu^+\,\gamma$ hadron (hadrons) X
Abe 94N col,et,pt
Abe 94P col,et,mass
Ellison 94 col,et,p,pt
Errede 94B et,p,pt
Fuess 94B cs,et,mass,pt

$\mu^-\,W^-$ (jets) jet X
(1800) Abachi 94B cs,et,pt
Grannis 94 cs,et,pt
Lidemarteau 94 cs,et,pt

$\mu^+\,W^+$ (jets) jet X
(1800) Abachi 94B cs,et,pt
Grannis 94 cs,et,pt
Lidemarteau 94 cs,et,pt

$\mu^-\,e^-$ (jets) jet X
(1800) Raja 94 col,et,mult,pt

$\mu^+\,e^+$ (jets) jet X
(1800) Raja 94 col,et,mult,pt

$\mu^-\,e^-$ 2jet X
(1800) Raja 94 et
Abe 91G col,mass,pt

$\mu^-\,e^+$ 2jet X
(1800) Abachi 95G et,mass,pt
Abe 95K et,mass,pt
Abe 94T cor,et,mass,p,pt
Frisch 94 et,p
Garbincius 94 cor,et,p,pt
Genser 94 cs,et,p,pt
Leone 94 et,mass,pt
Nodulman 94 et,p
Shochet 94 et,mass,pt
Benlloch 93 cs
Diehl 93 et,mass

$\mu^-\,e^+$ 2jet X + $\mu^+\,e^-$ 2jet X
(1800) Abachi 93 cs
Abe 93I ang,pt

$\mu^+\,e^-$ 2jet X
1800 Bhat 93 et
Narain 93 et
(1800) Abachi 95G et,mass,pt
Abe 95K et,mass,pt
Abe 94T cor,et,mass,p,pt
Frisch 94 et,p
Garbincius 94 cor,et,p,pt
Genser 94 cs,et,p,pt
Leone 94 et,mass,pt
Nodulman 94 et,p
Shochet 94 et,mass,pt
Benlloch 93 cs
Diehl 93 et,mass

$\mu^+\,e^+$ 2jet X
(1800) Raja 94 et
Abe 91G col,mass,pt

$\mu^-\,e^+$ hadron (hadrons) X
(1800) Abachi 95C ang,col,et,p,pt
Abachi 95U ang,col,et,p,pt
Fuess 95 col,et,mass,p,pt

$\mu^+\,e^-$ hadron (hadrons) X
(1800) Abachi 95C ang,col,et,p,pt
Abachi 95U ang,col,et,p,pt
Fuess 95 col,et,mass,p,pt

$\mu^-\,e^-\,e^+\,\bar{\nu}_\mu$ X
(1800) Errede 94 et,mass,p

$\bar{p}\,p$

$\mu^+\,e^-\,e^+\,\nu_\mu$ X
(1800) Errede 94 et,mass,p

$\mu^-\,e^+\,\bar{\nu}_\mu\,\nu_e$ X
(1800) Errede 94 et,mass,p

$\mu^+\,e^-\,\nu_\mu\,\bar{\nu}_e$ X
(1800) Errede 94 et,mass,p

$2\mu^-$ (jets) jet X
(1800) Denisov 93 ang,mass,p,pt
Igarashi 93 ang,mass,p,pt
Zylberstejn 93 ang,mass,p,pt

$\mu^-\,\mu^+$ (jets) jet X
(1800) Denisov 93 ang,mass,p,pt
Igarashi 93 ang,mass,p,pt
Zylberstejn 93 ang,mass,p,pt

$2\mu^+$ (jets) jet X
(1800) Denisov 93 ang,mass,p,pt
Igarashi 93 ang,mass,p,pt
Zylberstejn 93 ang,mass,p,pt

$2\mu^-$ 2jet X
(1800) Abe 91G col,mass,pt

$\mu^-\,\mu^+$ 2jet X
(1800) Abachi 95G et,mass,pt
Abachi 95M ang,et,mass,p,pt
Abe 95B et,mass,p,pt
Abe 95K et,mass,pt
Abe 95L et,mass,p,pt
Fuess 95 mass,p,pt
Harris 95 mass,p,pt
Park 95 col,et,mass
Abe 94T cor,et,mass,p,pt
Frisch 94 et,p
Garbincius 94 cor,et,p,pt
Geer 94 cs,et,p,pt
Hagopian 94 et,mass,pt
Nodulman 94 et,p
Norman 94 et,p,pt
Park 94B mass,p,pt
Shochet 94 et,mass,pt
Benlloch 93 cs

$2\mu^+$ 2jet X
(1800) Abe 91G col,mass,pt

$2\mu^-$ hadron (hadrons) X
(1800) Ragan 95 et,p

$\mu^-\,\mu^+$ hadron (hadrons) X
(1800) Abachi 95C ang,col,et,p,pt
Abachi 95I et,mass,p,pt
Abachi 95U ang,col,et,p,pt
Abachi 95ZE col,et,et,mass,p
Fuess 95 col,et,mass,p,pt
Ragan 95 et,p
Geer 94 et,mass,p

$2\mu^+$ hadron (hadrons) X
(1800) Ragan 95 et,p

$\mu^-\,\mu^+\,e^-\,\bar{\nu}_e$ X
(1800) Errede 94 et,mass,p

$\mu^-\,\mu^+\,e^+\,\nu_e$ X
(1800) Errede 94 et,mass,p

$\bar{p}\,p$

$\mu^-\,\mu^+\,e^-\,e^+$ X
(1800) Errede 94 et,mass,p

$2\mu^-\,\mu^+\,\bar{\nu}_\mu$ X
(1800) Errede 94 et,mass,p

$\mu^-\,\mu^+\,\nu_\mu\,\bar{\nu}_\mu$ X
(1800) Errede 94 et,mass,p

$\mu^-\,2\mu^+\,\nu_\mu$ X
(1800) Errede 94 et,mass,p

$2\mu^-\,2\mu^+$ X
(1800) Errede 94 et,mass,p

$\tau^-\,e^+$ 2jet X
(1800) Leone 94 et,mass,pt

$\tau^+\,e^-$ 2jet X
(1800) Leone 94 et,mass,pt

$\tau^-\,\mu^+$ 2jet X
(1800) Leone 94 et,mass,pt

$\tau^+\,\mu^-$ 2jet X
(1800) Leone 94 et,mass,pt

$e^-\,e^+\,q\,\bar{q}$ X
(1800) Abe 93R cs

K (π's) $\mu^-\,\mu^+$ X
(1800) Wenzel 91 mass

$K^\pm\,\pi^\pm\,\mu^-\,\mu^+$ X
(1800) Cdfcollabora 94E mass

$K^+\,\pi^-\,\mu^-\,\mu^+$ X
(1800) Abe 95E mass,p,pt
Byrum 94 mass,pt
Karen 94 ang,mass
Mueller 94 mass,pt
Abe 93ZG mass
Schneider 93 mass
Skarha 93 mass
Wenzel 93 mass

$K^-\,\pi^+\,\mu^-\,\mu^+$ X
(1800) Abe 95E mass,p,pt
Byrum 94 mass,pt
Karen 94 ang,mass

$K_S\,\pi^+\,\mu^-\,\mu^+$ X
(1800) Mueller 94 mass,pt
Abe 93ZG mass
Schneider 93 mass
Skarha 93 mass
Wenzel 93 mass

$K^+\,2\pi^-\,e^+$ X
(1800) Lewis 94B mass,pt

$K^-\,2\pi^+\,e^-$ X
(1800) Lewis 94B mass,pt

$K^\pm\,2\pi^\pm\,\mu^\pm$ X
(1800) Shochet 94 mass

$K^+\,2\pi^-\,\mu^+$ X
(1800) Lewis 94B mass,pt

$K^-\,2\pi^+\,\mu^-$ X
(1800) Lewis 94B mass,pt

$K^+\,K^-\,\mu^-\,\mu^+$ X
(1800) Abe 95P mass,p

$K^+\,K^-\,\pi^+\,e^-$ X
(1800) Cdfcollabora 94B mass,pt
Lewis 94B mass,pt
Skarha 93 mass,pt
Wenzel 93 mass,pt

$K^+\,K^-\,\pi^-\,e^+$ X
(1800) Cdfcollabora 94B mass,pt
Lewis 94B mass,pt

$K^+\,K^-\,\pi^+\,\mu^-$ X
(1800) Cdfcollabora 94B mass,pt
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.

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$\bar{p}\,p$

Final state	Momentum	Reference	Data
$f_4(2050)$			
	0.8973 – 3.308	Hasan 94	–
$f_4(2220)$			
	1.2 – 2	Hertzog 92	–
	1.3 – 1.57	Barnes 93	–
$\eta_c(1S)$			
	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	–
$h_c(1P)$			
	(3.52 – 3.53)	Tuan 92	cs
	(3.526)	Garbincius 94	–
		Gollwitzer 94	cs
		Menichetti 94	–
$J/\psi(1S)$			
	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
	(3.1)	Cester 94	cs
$\chi_{c1}(1P)$			
	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
	(3.51)	Menichetti 94	–
		Ray 93	cs
		Armstrong 91B	–
	(3.511)	Gollwitzer 94	cs
	(3.55 – 3.566)	Armstrong 91D	–
$\chi_{c2}(1P)$			
	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
	(3.556)	Menichetti 94	–
		Armstrong 93D	–
		Ray 93	cs
		Gollwitzer 94	cs
	(5.56)	Armstrong 91B	–
$\eta_c(2S)$			
	(2.9 – 3.5)	Cester 94	–
	(3.59)	Gollwitzer 94	cs
		Armstrong 95	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	–
χ_c(unspec)			
	(3.5 – 3.55)	Cester 94	cs
	(3.52 – 3.53)	Cester 94	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

$\bar{p}\,p$

Final state	Momentum	Reference	Data
$e^-\,e^+$			
	?	Buenerd 92	cs
2jet			
	(1800)	Abachi 95ZC	cor,p
		Harris 95B	angp,mass
		Harris 94	angp
hadron$^+$ hadron$^-$			
	0.3 – 0.9	Bardin 92	angp
	0.54 – 0.9	Bardin 91	angp,cs
γ jet			
	(1800)	Harris 94	cs,pt
2γ			
	0	Amsler 94B	cs
		Amsler 94J	cs,p
		Amsler 93D	cs
		Amsler 91	cs
	(2.5 – 4)	Pordes 93	cs
	3 – 7	Gollwitzer 94	cs
	(2.9 – 3.5)	Cester 94	cs
	(2.9 – 3.68)	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
$W^\pm$ jet			
	(1800)	Abe 94G	angp
		Harris 94	angp
$\overline{\text{lepto-quark}}$ lepto-quark			
	(1800)	Cobal 93	cs
$\bar{t}\,t$			
	(1800)	Abe 95J	cs,et,mass
		Abe 93ZI	cs
		Kuhlmann 91	cs
$\bar{\tilde{q}}\,\tilde{q}$			
	(1800)	Kuhlmann 91	cs
$\pi^0\,\gamma$			
	0	Amsler 94B	cs
		Amsler 94J	cs,p
		Amsler 93D	cs
		Amsler 91	cs
π^+ meson$^-$			
	1.94	Amsler 94E	–
π^0 meson			
	0	Anisovich 95	cs
π^0 meson^0			
	0	Amsler 95E	cs
		Ableev 94	cs
		Amsler 94	–
		Amsler 94B	–
		Amsler 94H	cs
		Amsler 94J	–
		Brose 94	–
		Felix 94	cs
		Spanier 94	–
		Zenoni 94	–
		Adamo 92B	–
		Peters 92	–
	1.94	Amsler 94E	–
		Ravndal 94	–
	(2.98 – 3.526)	Armstrong 94	–
π^- meson$^+$			
	1.94	Amsler 94E	–
$2\pi^0$			
	0	Ableev 94B	cs
		Agnello 94	cs
		Piccinini 94	cs
		Amsler 93	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 93	cs

$\bar{p}\,p$

Final state	Momentum	Reference	Data
$\pi^+\,\pi^-$			
		Adler 91	cs
		Amsler 91	cs
		Gastaldi 91	cs
	< 0.1	Adamo 92	cs
	0.3 – 0.9	Bardin 94	angp,cs
	0.36 – 1.55	Hasan 92	angp,asym,cs,pwa
	0.8973 – 3.308	Hasan 94	angp,cs,pwa
	5.9	White 94B	angp
	6	Appel 91	cs
$\eta\,\gamma$			
	0	Amsler 94B	cs
		Amsler 94J	cs,p
		Amsler 93D	cs
η meson^0			
	1.94	Amsler 94E	–
		Ravndal 94	–
	(2.98 – 3.526)	Armstrong 94	–
$\eta\,\pi^0$			
	0	Piccinini 94	cs
		Amsler 93	cs
		Amsler 93D	cs
		Amsler 92C	cs,p
		Amsler 91	cs
2η			
	0	Amsler 93	cs
		Amsler 92C	cs,p
		Amsler 91	cs
$\rho^+\,\pi^-$			
	0	Ableev 94	cs
		Amsler 91	cs
$\rho^0\,\pi^0$			
	0	Adler 95F	cs
		Ableev 94	cs
		Amsler 93C	–
		Adamo 92B	–
		Amsler 91	cs
$\rho^-\,\pi^+$			
	0	Ableev 94	cs
		Amsler 91	cs
$\rho^0\,\eta$			
	0	Amsler 91	cs
$2\rho^0$			
	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
2ω			
	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

$\overline{p}\,p$

$\eta'\,\eta$			
		Amsler 92C	cs,p
		Amsler 91	cs
$\eta'\,\rho^0$			
	0	Amsler 91	cs
$\eta'\,\omega$			
	0	Amsler 93	cs
		Amsler 92C	cs,p
$f_0(975)\,\pi^0$			
	0	Amsler 95	cs
		Amsler 94J	–
	1.94	Ravndal 94	–
	(2.98 – 3.526)	Armstrong 94	–
$f_0(975)\,\eta$			
	0	Spanier 94	–
		Amsler 91B	cs
$a_0(980)^+\,\pi^-$			
	0	Amsler 91	cs
$a_0(980)^0\,\pi^0$			
	0	Anisovich 95	cs
		Amsler 94H	cs
		Amsler 94J	–
		Spanier 94	–
		Amsler 91B	cs
$a_0(980)^-\,\pi^+$			
	0	Amsler 91	cs
$a_0(980)^0\,\eta$			
	0	Amsler 91B	cs
	1.94	Amsler 94E	–
		Ravndal 94	–
	(2.98 – 3.526)	Armstrong 94	–
$a_0(980)^0\,\omega$			
	0	Amsler 94B	cs
		Amsler 94F	cs
$b_1(1235)^+\,\pi^-$			
	0	Weidenauer 93	cs
		Amsler 91	cs
$b_1(1235)^0\,\pi^0$			
	0	Amsler 94B	cs
		Amsler 94J	–
		Amsler 93C	–
$b_1(1235)^-\,\pi^+$			
	0	Weidenauer 93	cs
		Amsler 91	cs
$b_1(1235)^0\,\eta$			
	0	Amsler 94B	cs
		Amsler 94F	cs
$b_1(1235)^0\,\omega$			
	1.94	Amsler 94E	–
$f_0(1240)\,\pi^0$			
	(2.98 – 3.526)	Armstrong 94	–
$f_2(1270)\,\pi^0$			
	0	Adler 95F	cs
		Anisovich 95	cs
		Ableev 94	cs
		Amsler 94	cs
		Amsler 94J	–
		Anisovich 94	cs
		Adamo 92B	–
		Peters 92	–
		Aker 91	cs
		Amsler 91	cs
	1.94	Ravndal 94	–
	(2.98 – 3.526)	Armstrong 94	–
$f_2(1270)\,\eta$			
	0	Adler 95F	cs
	1.94	Amsler 94E	–
$f_2(1270)\,\rho^0$			
	0	Amsler 91	cs
$f_2(1270)\,\omega$			
	0	Amsler 94B	cs
		Amsler 94J	–
		Amsler 93C	–
		Amsler 91	cs

$\overline{p}\,p$

$a_0(1320)^0\,\pi^0$			
	0	Anisovich 95	cs
		Amsler 94H	cs
$a_2(1320)^+\,\pi^-$			
	0	Amsler 91	cs
$a_2(1320)^0\,\pi^0$			
	0	Amsler 91B	cs
	1.94	Amsler 94E	–
		Ravndal 94	–
$a_2(1320)^-\,\pi^+$			
	0	Amsler 91	cs
$a_2(1320)^0\,\eta$			
	1.94	Amsler 94E	–
		Ravndal 94	–
	(2.98 – 3.526)	Armstrong 94	–
$a_2(1320)^0\,\omega$			
	0	Amsler 94B	cs
		Amsler 94F	cs
	1.94	Amsler 94E	–
		Ravndal 94	–
$h_1(1380)\,\pi^0$			
	0	Amsler 94F	cs
$f_0(1400)\,\pi^0$			
	0	Amsler 95	cs
		Anisovich 95	cs
		Amsler 94B	–
		Anisovich 94	cs
		Amsler 91B	cs
$\rho(1450)^0\,\pi^0$			
	0	Amsler 94B	cs
		Amsler 93C	–
$f_2(1520)\,\pi^0$			
	0	Amsler 95	cs
		Weidenauer 93	cs
		Hertzog 92	–
		Aker 91	cs
		Amsler 91	cs
		Amsler 91B	cs
		Gastaldi 91	–
	(2.98 – 3.526)	Armstrong 94	–
$f_2(1520)\,\eta$			
	(2.98 – 3.526)	Armstrong 94	–
$f_0(1525)\,\pi^0$			
	0	Amsler 95E	cs
		Anisovich 95	cs
		Amsler 94I	cs
		Anisovich 94	cs
$f_2'(1525)\,\pi^0$			
	0	Anisovich 95	cs
		Anisovich 94	cs
$f_0(1590)\,\pi^0$			
	0	Hertzog 92	–
		Amsler 91B	cs
$\omega(1420)\,\pi^0$			
	0	Amsler 94B	cs
		Amsler 94F	cs
$\omega(1600)\,\pi^0$			
	0	Amsler 94B	cs
		Amsler 94F	cs
$f_2(1640)\,\pi^0$			
	1.94	Amsler 94E	–
$f_J(1710)\,\pi^0$			
	(2.98 – 3.526)	Armstrong 94	–
$f_2(1810)\,\pi^0$			
	0	Aker 91	cs
$X(1910)\,\pi^0$			
	1.94	Amsler 94E	–
$a_4(2040)^0\,\eta$			
	(2.98 – 3.526)	Armstrong 94	–
$f_4(2050)\,\pi^0$			
	(2.98 – 3.526)	Armstrong 94	–
$K^0\,\overline{K}^0$			
	0	Amsler 91	cs

$\overline{p}\,p$

$K^+\,K^-$			
	0	Ableev 94B	cs
		Ableev 94C	ang,cs,p
		Amsler 93	cs
		Ruf 92	cs
		Adler 91	cs
		Amsler 91	cs
		Gastaldi 91	cs
	< 0.1	Adamo 92	cs
	0.3 – 0.9	Bardin 94	angp,cs
	0.36 – 1.55	Hasan 92	angp,asym,cs,pwa
	5.9	White 94B	angp
	6	Appel 91	cs
$2K_S$			
	0	Gastaldi 91	cs
	1.3 – 1.57	Barnes 93	angp,cs
$K_S\,K_L$			
	0	Amsler 95C	cs
		Ableev 94B	cs
		Gastaldi 91	cs
$K^*(892)^+\,K^-$			
	0	Amsler 91	cs
$K^*(892)^0\,\overline{K}^0$			
	0	Amsler 94J	cs
		Faessler 94	cs
$K^*(892)^0\,K_S$			
	0	Amsler 93B	cs
$K^*(892)^0\,K_L$			
	0	Amsler 93B	cs
$\overline{K}^*(892)^0\,K^0$			
	0	Amsler 94J	cs
		Faessler 94	cs
		Amsler 91	cs
$K^*(892)^-\,K^+$			
	0	Amsler 91	cs
$\overline{K}^*(892)^0\,K_S$			
	0	Amsler 93B	cs
$\overline{K}^*(892)^0\,K_L$			
	0	Amsler 93B	cs
$K^*(892)^0\,\overline{K}^*(892)^0$			
	0	Felix 94	cs
		Amsler 91	cs
$K^*(892)^+\,K^*(892)^-$			
	0	Amsler 91	cs
$\phi(1020)\,\gamma$			
	0	Amsler 95C	cs
		Faessler 94	cs
		Sapozhnikov 94B	cs
$\phi(1020)\,\pi^0$			
	0	Ableev 95C	cs,p
		Amsler 95C	cs
		Amsler 94B	cs
		Amsler 94J	cs
		Faessler 94	cs
		Sapozhnikov 94B	cs
		Amsler 93B	cs
		Amsler 91B	cs
$\phi(1020)\,\eta$			
	0	Ableev 95C	cs,p
		Amsler 94B	cs
		Amsler 94J	cs
		Faessler 94	cs
		Amsler 93B	cs
		Amsler 91	cs
		Amsler 91B	cs
$\phi(1020)\,\omega$			
	0	Amsler 91	cs
$2\phi(1020)$			
	(1.96 – 2.43)	Harris 91B	cs
	1.4	Bertolotto 95	angp,cs
	1.5	Hamann 92	cs
	1.6 – 2.2	Bertolotto 94	cs
	2.1 – 2.4	Bertolotto 94	angp,cs
	2.15 – 2.43	Steinkamp 94	angp,cs
	(3)	Bertolotto 94	angp,cs

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$\overline{p}\,p$

$\phi(1680)\,\pi^0$		
0	Amsler 94B	cs
	Amsler 94F	cs
$\eta_c(1S)\,\gamma$		
$3-7$	Gollwitzer 94	cs
$(3.5-3.6)$	Cester 94	cs,mass
$J/\psi(1S)\,\gamma$		
$3.888-6.937$	Ray 93	cs,mass
$(3.5-3.6)$	Cester 94	angp,cs
$J/\psi(1S) < e^-\,e^+ > \gamma$		
$(3.285-3.825)$	Armstrong 93D	amp,angp
$J/\psi(1S)\,\pi^0$		
$3-7$	Gollwitzer 94	cs
$(3.5-3.6)$	Cester 94	cs,mass
$(3.523-3.686)$	Garbincius 94	cs
(3.526)	Menichetti 94	cs
π^0 exotic-meson		
1.94	Amsler 94E	–
$\pi^0\,C(1480)^0$		
0	Amsler 93C	–
baryonium γ		
0	Amsler 91	p
$n\,\overline{n}$		
$0.1-1.55$	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	Feliciello 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
	Birsa 91	angp,pol
$0.546-1.287$	Ahmidouch 95	angp
	Birsa 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
	Birsa 94	angp
	Bradamante 94	angp,const
0.875	Lamanna 94	angp,asym,pol
	Birsa 93	angp,pol
< 0.925	Deswart 94	angp,cs,pol,pwa
	Timmermans 94	angp,cs
$p\,\overline{p}$		
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

$\overline{p}\,p$

$p\,\overline{p}$		
	Augier 94	cs
	Haguenauer 94	amp,angp
	Augier 93	amp,angp
$(541-546)$	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
(1020)	Amos 92	angp
(1800)	Rubinstein 93	amp,angp,cs
	Pumplin 92	angp
	Amos 91	angp
	Amos 91B	amp,angp,cs
	Rubinstein 91	amp,angp,cs
	Shukla 91	amp,angp,cs
	Shukla 91B	amp,angp,cs
	White 91	cs
$\overline{p}\,N(1440\,P_{11})^+$		
32	Boos 90B	cs
$p\,\overline{N}(1440\,P_{11})^-$		
32	Boos 90B	cs
$\Lambda\,\overline{\Lambda}$		
$1.434-1.451$	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
$\overline{\Lambda}\,\Sigma^0$		
1.65	Amsler 91	angp,cs,pol
$\Lambda\,\overline{\Sigma}^0 + \overline{\Lambda}\,\Sigma^0$		
1.692	Eisenstein 94	angp,cs
$\Lambda\,\overline{\Sigma}^0$		
1.65	Amsler 91	angp,cs,pol
$\Sigma^+\,\overline{\Sigma}^-$		
1.924	Eisenstein 94	angp,cs
$\gamma\,(\overline{p}p)_{\mathrm{atom}}$		
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
$\pi^0\,e^-\,e^+$		
$3-7$	Gollwitzer 94	cs,mass
$3.888-6.937$	Ray 93	cs,mass
$(3.5-3.6)$	Cester 94	cs,mass
3hadron		
22.4	Dementiev 94	col
3γ		
0	Amsler 93D	mass,p
$3-7$	Gollwitzer 94	cs,mass
$(3.5-3.6)$	Cester 94	cs,mass
$\pi^0\,2\gamma$		
0	Amsler 93D	mass,p
$\pi^+\,\pi^-\,\gamma$		
0	Gastaldi 91	cs
$\pi^+\,\pi^-$ meson^0		
0	Bertin 95	–
$3\pi^0$		
0	Amsler 95	cor,mass,pwa
	Amsler 95E	angp,cs,mass,mass,pwa

$\overline{p}\,p$

$3\pi^0$		
	Anisovich 95	mass,pwa
	Amsler 94B	–
	Amsler 94G	cs
	Amsler 94J	cor,mass,pwa
	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
1.94	Ravndal 94	mass
$(2.98-3.526)$	Armstrong 94	mass,pwa
	Armstrong 93B	mass
(3.1)	Smith 92C	mass
?	Burchell 92	–
$\pi^+\,\pi^0\,\pi^-$		
0	Ableev 94	cs,mass,pwa
	Piccinini 94	mass
	Zenoni 94	mass
	Amsler 91	cs,mass
	Gastaldi 91	mass
< 0.05	Masoni 94	cs,mass
?	Burchell 92	–
$\eta\,2\pi^0$		
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
1.94	Amsler 94E	mass
	Ravndal 94	mass
$(2.98-3.526)$	Armstrong 94	mass,pwa
	Armstrong 93B	mass
$\eta\,\pi^+\,\pi^-$		
0	Amsler 95B	cs
	Amsler 94	cs
	Amsler 94B	–
	Amsler 94D	cs
	Wiedner 94	cs
	Amsler 91	cs,mass
	Amsler 91B	–
$2\eta\,\pi^0$		
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
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	–
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
$\rho^0\,2\pi^0$		
0	Adler 95F	cs
$2\rho^0\,\pi^0$		
0	Zenoni 94	mass

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$\overline{p}\, p$

$2\pi^+\, \pi^0\, 2\pi^-$		Amsler 91	cs,mass
$\eta\, 2\pi^0\, 2\gamma$	0	Amsler 94F	mass
$\eta\, 3\pi^0\, \gamma$	0	Amsler 93	mass
$\eta\, 4\pi^0$	1.94	Amsler 94E	mass
$\eta\, \pi^+\, 2\pi^0\, \pi^-$	0	Amsler 95F	cs,mass,pwa
	1.94	Amsler 94E	mass
$\omega\, 2\pi^0\, 2\gamma$	0	Amsler 94F	mass
$K\, \overline{K}\, 3\pi$	?	Burchell 92	–
$K^+\, \overline{K}^0\, \pi^+\, 2\pi^-$	0	Bertin 95	mass,mass,pwa
$K^0\, K^-\, 2\pi^+\, \pi^-$	0	Bertin 95	mass,mass,pwa
$K^+\, K_S\, \pi^+\, 2\pi^-$	0	Amsler 91	mass
$K_S\, K^-\, 2\pi^+\, \pi^-$	0	Amsler 91	mass
$K^+\, K_L\, \pi^+\, 2\pi^-$	0	Gastaldi 91	mass
$K_L\, K^-\, 2\pi^+\, \pi^-$	0	Gastaldi 91	mass
DD $< p\, \pi^+\, \pi^- >$ DD $< \overline{n}\, \pi^- >$	22.4	Dementiev 94	angp,cs,mass
DD $< \overline{n}\, \pi^+\, 2\pi^- >$ p	22.4	Dementiev 94	angp,cs,mass
$p\, \overline{p}\, \pi^+\, \pi^0\, \pi^-$	32	Boos 90B	ang,col,mass,p
DD $< p\, \pi^0 >$ DD $< \overline{p}\, \pi^+\, \pi^- >$	22.4	Dementiev 94	angp,cs.mass
DD $< p\, \pi^+\, \pi^- >$ DD $< \overline{p}\, \pi^0 >$	22.4	Dementiev 94	angp,cs,mass
DD $< p\, \pi^+\, \pi^0\, \pi^- >$ $\overline{p}$	22.4	Dementiev 94	angp,cs.mass
DD $< \overline{p}\, \pi^+\, \pi^0\, \pi^- >$ p	22.4	Dementiev 94	angp,cs,mass
$p\, \overline{p}\, \rho^0\, \pi^+\, \pi^-$	32	Bogolyubsky 93	cs
$p\, \overline{\Delta}(1232\, P_{33})^{--}\, 2\pi^+\, \pi^-$	32	Bogolyubsky 93	cs
6γ	0	Amsler 95	mass
		Amsler 95E	cs,mass
		Anisovich 95	mass
		Amsler 94H	mass
		Amsler 94I	mass
		Amsler 94J	mass
		Anisovich 94	mass
		Brose 94	mass
		Faessler 94	cs,mass
		Amsler 93	mass
		Peters 92	mass,pwa
		Aker 91	mass,pwa
		Amsler 91B	mass
	1.94	Amsler 94E	mass
	(2.95 – 3.62)	Armstrong 93	cs,mass
	(2.98 – 3.526)	Armstrong 94	mass

$\overline{p}\, p$

$p\, \overline{p}\, 2\pi^+\, 2\pi^-$	32	Bogolyubsky 93	mass,p,pt
7γ	0	Amsler 93C	mass
	1.94	Amsler 94E	mass
$5\pi^0\, 2\gamma$	0	Amsler 94F	mass
8γ	0	Felix 94	mass
		Amsler 93	mass
		Amsler 92C	mass
	1.94	Amsler 94E	mass
$\pi^+\, \pi^-\, 6\gamma$	0	Amsler 94	–
	1.94	Amsler 94E	mass
9γ	0	Amsler 93	mass
		Amsler 92C	mass
10γ	1.94	Amsler 94E	mass

$\overline{p}\, n$

X	0.6071	Mahalanabis 92	amp,cs
π^- meson^0	0	Zenoni 94	–
		Weidenauer 93	cs
		Gastaldi 91	–
$\pi^0\, \pi^-$	0	Gaspero 94	cs,mass
$\omega\, \pi^-$	0	Ableev 94G	cs
		Gaspero 94	cs
$f_0(1400)\, \pi^-$	0	Gaspero 94	–
		Gaspero 92	mass
		Gaspero 92B	–
$f_2(1520)\, \pi^-$	0	Weidenauer 93	cs
$K^0\, K^-$	0	Amsler 91	cs
$\phi(1020)\, \pi^-$	0	Ableev 94G	cs
		Sapozhnikov 94B	cs
$\pi^+\, 2\pi^-$	0	Gaspero 95	cor,mass
		Zenoni 94	mass
	?	Burchell 92	–
$2\rho^0\, \pi^-$	0	Gaspero 94	mass,pwa
		Zenoni 94	mass
$\pi^-\, 2(\pi\pi)_{L=0}$	0	Gaspero 94	mass,pwa
		Zenoni 94	mass
$\pi^+\, \pi^0\, 2\pi^-$	0	Gaspero 94	mass
$2\pi^+\, 3\pi^-$	0	Gaspero 94	mass,pwa
		Zenoni 94	mass
		Weidenauer 93	mass
		Gaspero 92B	angp,mass,pwa
		Gastaldi 91	–

$\overline{p}$ H(atom)

annihil	0	Ableev 94I	cs

$\overline{p}$ nucleus

ρ^0 X	100	Walker 91	mult
ω X	100	Walker 91	mult

$\overline{p}$ nucleus

$f_2(1270)$ X	100	Walker 91	mult
$\pi^+\, \pi^-$ mult[grey] X	100	Walker 91	mass
nucleus $\overline{p}$	185	Yokosawa 92	angp,asym,pol

$\overline{p}$ deuteron

X	0	Adamo 92B	cs
annihil	0	Ableev 94I	cs
Λ X	0	Ableev 95	cs,p
γ mult[charged] (neutrals)	0	Chiba 91B	cs,mult,p
2γ X	0	Amsler 95G	mass,p
3γ X	0	Amsler 95G	mass,p
$\pi^+\, \pi^0\, \pi^-$ X	0	Strassburger 94	mass
$p\, \pi^-$	0	Ableev 94E	cs
		Ableev 93B	cs
		Adamo 92B	cs
	0 – 1.8	Ableev 93	cs
$n\, \pi^0$	0	Amsler 95G	cs
		Amsler 94B	cs
		Amsler 94C	cs
		Peters 92	–
$n\, \eta$	0	Amsler 95G	cs
		Amsler 94B	cs
		Amsler 94C	cs
		Peters 92	–
$p\, \rho^-$	0	Ableev 94E	cs
$n\, \omega$	0	Amsler 95G	cs
		Amsler 94B	cs
		Amsler 94C	cs
$n\, \eta'$	0	Amsler 95G	cs
		Amsler 94B	cs
		Amsler 94C	cs
$\Delta(1232\, P_{33})^0\, \pi^0$	0	Amsler 95D	cs
exotic-nucleon γ	0	Chiba 91B	–
deuteron $\overline{p}$	0.6071	Mahalanabis 92	angp
$n\, 2\gamma$	0	Peters 92	mass
$p\, \pi^-$ meson^0	0	Zenoni 94	mass
$p\, \pi^0\, \pi^-$	0	Ableev 94E	cs,mass
$n\, 2\pi^0$	0	Amsler 95D	angp,cs,mass
$n\, \pi^+\, \pi^-$	< 0.1	Adamo 92	cs
$n\, \eta\, \pi^0$	0	Amsler 95D	cs
$p\, \omega\, \pi^-$	0	Ableev 95	cs
		Ableev 94G	cs,p
		Sapozhnikov 94	cs,p
p(spect) $\omega\, \pi^-$	0	Ableev 94G	cs,p

$\bar{p}$ deuteron

$p\ f_0(975)\ \pi^-$		
0	Strassburger 94	–
$p\ f_2(1270)\ \pi^-$		
0	Strassburger 94	–
$p\ f_0(1400)\ \pi^-$		
0	Strassburger 94	–
	Gaspero 92	mass
$p\ \rho(1450)^-\ \pi^0$		
0	Strassburger 94	–
$p\ f_2(1520)\ \pi^-$		
0	Strassburger 94	–
$p\ f_0(1525)\ \pi^-$		
0	Strassburger 94	–
$n\ K^+\ K^-$		
< 0.1	Adamo 92	cs
$p\ \phi(1020)\ \pi^-$		
0	Ableev 95	cs
	Ableev 94G	cs,mass
	Sapozhnikov 94	cs,p
p(spect) $\phi(1020)\ \pi^-$		
0	Ableev 94G	cs,mass
nucleon baryonium γ		
0	Chiba 91B	–
$\Lambda\ K^+\ \pi^-$		
0	Ableev 95	cs,p
$p\ 2\pi^0\ \pi^-$		
0	Strassburger 94	cor,mass,p,pwa
	Zenoni 94	mass
$p\ \pi^+\ 2\pi^-$		
0	Ableev 95	cs,mass
$n\ 3\pi^0$		
0	Peters 92	mass
$p\ K^+\ K^-\ \pi^-$		
0	Ableev 94G	mass,p
	Sapozhnikov 94	mass,p
$\Lambda\ K^+\ \pi^0\ \pi^-$		
0	Ableev 95	cs,p
$n\ 4\gamma$		
0	Amsler 95D	cs,mass
$p\ \pi^+\ \pi^0\ 2\pi^-$		
0	Ableev 94G	mass,p
	Sapozhnikov 94	mass,p
$n\ 2\pi^+\ 2\pi^-$		
0	Ableev 95	cs,mass
$p\ 2\pi^+\ 3\pi^-$		
0	Ableev 95	cs,mass
p(spect) $2\pi^+\ 3\pi^-$		
0	Weidenauer 93	mass,p
	Gastaldi 91	mass
$n\ 3\pi^+\ 3\pi^-$		
0	Ableev 95	cs,mass

$\bar{p}\ ^3$He

charged X		
0	Balestra 91B	mult,p
charged$^-$ X		
0	Balestra 91B	mult,p
π^- X		
0	Balestra 91B	mult,p
K_S X		
0	Balestra 91B	cs,p
Λ X + Σ^0 X		
0	Balestra 91B	cs,p
$2\pi^+\ 2\pi^-$ X		
0	Zenoni 92	ang,mass

$\bar{p}\ ^4$He

X		
$0.105 - 0.2$	Eades 93	cs
X		
0.1928	Balestra 93	cs
annihil		
0.1928	Balestra 93	cs
mult[charged] X		
0.1928	Balestra 93	mult
charged X		
0	Balestra 91B	mult,p
charged$^-$ X		
0	Balestra 91B	mult,p
π^- X		
0	Adamo 94	p
	Balestra 91B	mult,p
K_S X		
0	Balestra 91B	cs,p
glueball X		
0.6	Balestra 91	ang,mass
p X		
0	Adamo 94	p
Λ X + Σ^0 X		
0	Balestra 91B	cs,p
$2\pi^\pm$ X		
0.6	Balestra 91	mass
$2\pi^+$ X		
0	Adamo 94	ang,mass
$\pi^+\ \pi^-$ X		
0	Adamo 94	ang
$2\pi^-$ X		
0	Adamo 94	ang,mass
$p\ \pi^\pm$ X		
0.6	Balestra 91	mass
$p\ \pi^+$ X		
0	Adamo 94	ang
$p\ \pi^-$ X		
0	Adamo 94	ang
$2p$ X		
0	Adamo 94	ang
$2\pi^+\ 2\pi^-$ X		
0	Adamo 94	mass
	Zenoni 92B	ang,mass
0.6	Zenoni 92	ang,mass
	Balestra 91	ang,mass
$K^\pm\ 3\pi^\pm$ X		
0.6	Balestra 91	mass
$K\ 3\pi^\pm$ X		
0.6	Balestra 91	mass
$2K^\pm\ 2\pi^\pm$ X		
0.6	Balestra 91	mass
$p\ 3\pi^\pm$ X		
0.6	Balestra 91	mass
$(\bar{p}\,\mathrm{He})_{\mathrm{atom}}$		
0	Morita 95	–
	Daniel 94	–
	Hayano 94B	–
^{4}He $\bar{p}$		
0.1928	Balestra 93	amp,angp,cs

$\bar{p}$ He

X		
0.2	Widmann 94	cs
0.519	Iwasaki 91	cs
annihil		
0	Ableev 94I	cs
$0.001 - 0.066$	Ableev 94F	cs

$\bar{p}$ Li

X		
0.2	Widmann 94	cs

$\bar{p}\ ^6$Li

p X		
0.3	Sudov 93	mult,p
deuteron X		
0.3	Sudov 93	mult,p
^{3}H X		
0.3	Sudov 93	mult,p

$\bar{p}\ ^7$Li

$J/\psi(1S)$ X		
300	Antoniazzi 92B	cs,p,pt
p X		
0.3	Sudov 93	mult,p
deuteron X		
0.3	Sudov 93	mult,p
^{3}H X		
0.3	Sudov 93	mult,p
$\mu^-\ \mu^+$ X		
300	Antoniazzi 92B	mass

$\bar{p}$ Be

annihil		
$0.7 - 0.95$	Kuzichev 92B	cs
$0.7 - 2.5$	Kuzichev 95	a-dep,cs
	Kuzichev 93	a-dep,cs
	Kuzichev 92	a-dep,cs
$J/\psi(1S)$ X		
125	Tzamarias 90	angp,cs,p,pt
p X		
40	Antipov 92	a-dep,p
	Antipov 90C	a-dep,angp
$\mu^-\ \mu^+$ X		
125	Tzamarias 90	mass

$\bar{p}$ C

annihil		
$0.7 - 0.95$	Kuzichev 92B	cs
$0.7 - 2.5$	Kuzichev 95	a-dep,cs
	Kuzichev 93	a-dep,cs
	Kuzichev 92	a-dep,cs
π X		
0	Minor 92	mult,p
p X		
0	Minor 92	mult,p
	Minor 92B	p
^3H_s X		
0	Batusov 92	cs,mass
^4H_s X		
0	Batusov 92	cs,mass

$\bar{p}\ ^{12}$C

mult[$\pi^\pm$] X		
0	Polster 95	a-dep,cs,mult,p
mult[$K^\pm$] X		
0	Polster 95	a-dep,cs,mult,p
mult[p] X		
0	Polster 95	a-dep,cs,mult,p
mult[n] X		
0	Polster 95	a-dep,cs,mult,p
mult[deuteron] X		
0	Polster 95	a-dep,cs,mult,p
mult[trit] X		
0	Polster 95	a-dep,cs,mult,p
p X		
0.3	Sudov 93	p
deuteron X		
0.3	Sudov 93	p
^{3}H X		
0.3	Sudov 93	p

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$\bar{p}\ ^{12}C$

^{3}He X			
	0.3	Sudov 93	p
^{4}He X			
	0.3	Sudov 93	p

$\bar{p}$ Nit

annihil			
	0	Ableev 94I	cs

$\bar{p}$ Ne

annihil			
	0	Ableev 94I	cs

$\bar{p}\ ^{20}Ne$

charged X			
	0	Balestra 91B	mult,p
charged$^-$ X			
	0	Balestra 91B	mult,p
π^- X			
	0	Balestra 91B	mult,p
K_S X			
	0	Balestra 91B	cs,p
Λ X + Σ^0 X			
	0	Balestra 91B	cs,p

$\bar{p}$ Mg

π^+ X			
	100	Whitmore 94	mult,p,pt
π^- X			
	100	Whitmore 94	mult,p,pt
p X			
	100	Whitmore 94	mult,p

$\bar{p}$ Al

annihil			
	0.7 – 0.95	Kuzichev 92B	cs
	0.7 – 2.5	Kuzichev 95	a-dep,cs
		Kuzichev 93	a-dep,cs
		Kuzichev 92	a-dep,cs
p X			
	40	Antipov 92	a-dep,p
		Antipov 90C	a-dep,angp

$\bar{p}\ ^{27}Al$

mult[$\pi^\pm$] X			
	0	Polster 95	a-dep,cs,mult,p
mult[$K^\pm$] X			
	0	Polster 95	a-dep,cs,mult,p
mult[p] X			
	0	Polster 95	a-dep,cs,mult,p
mult[n] X			
	0	Polster 95	a-dep,cs,mult,p
mult[deuteron] X			
	0	Polster 95	a-dep,cs,mult,p
mult[trit] X			
	0	Polster 95	a-dep,cs,mult,p

$\bar{p}\ ^{28}Si$

mult[$\pi^\pm$] X			
	0	Polster 95	a-dep,cs,mult,p
mult[$K^\pm$] X			
	0	Polster 95	a-dep,cs,mult,p
mult[p] X			
	0	Polster 95	a-dep,cs,mult,p
mult[n] X			
	0	Polster 95	a-dep,cs,mult,p
mult[deuteron] X			
	0	Polster 95	a-dep,cs,mult,p
mult[trit] X			
	0	Polster 95	a-dep,cs,mult,p
p X			
	0.3	Sudov 93	mult,p
deuteron X			
	0.3	Sudov 93	mult,p
^{3}H X			
	0.3	Sudov 93	mult,p

$\bar{p}$ S

$^{4}H_s$ X			
	0	Batusov 92	cs,mass

$\bar{p}$ Ar

annihil			
	0	Ableev 94I	cs

$\bar{p}\ ^{40}Ca$

mult[$\pi^\pm$] X			
	0	Polster 95	a-dep,cs,mult,p
mult[$K^\pm$] X			
	0	Polster 95	a-dep,cs,mult,p
mult[p] X			
	0	Polster 95	a-dep,cs,mult,p
mult[n] X			
	0	Polster 95	a-dep,cs,mult,p
mult[deuteron] X			
	0	Polster 95	a-dep,cs,mult,p
mult[trit] X			
	0	Polster 95	a-dep,cs,mult,p
p X			
	0.3	Sudov 93	mult,p
deuteron X			
	0.3	Sudov 93	mult,p
^{3}H X			
	0.3	Sudov 93	mult,p
^{3}He X			
	0.3	Sudov 93	p
^{4}He X			
	0.3	Sudov 93	p

$\bar{p}$ Fe

annihil			
	0.7 – 0.95	Kuzichev 92B	cs
	0.7 – 2.5	Kuzichev 95	a-dep,cs
		Kuzichev 93	a-dep,cs
		Kuzichev 92	a-dep,cs

$\bar{p}\ ^{58}Ni$

p X			
	0.3	Sudov 93	mult,p
deuteron X			
	0.3	Sudov 93	mult,p
^{3}H X			
	0.3	Sudov 93	mult,p
^{57}Co X			
	0	Lubinski 94	cs
^{57}Ni X			
	0	Lubinski 94	cs

$\bar{p}\ ^{64}Ni$

p X			
	0.3	Sudov 93	mult,p
deuteron X			
	0.3	Sudov 93	mult,p
^{3}H X			
	0.3	Sudov 93	mult,p

$\bar{p}\ ^{63}Cu$

^{4}He X			
	0.3	Sudov 93	p

$\bar{p}$ Cu

annihil			
	0.7 – 0.95	Kuzichev 92B	cs
	0.7 – 2.5	Kuzichev 95	a-dep,cs
		Kuzichev 93	a-dep,cs
		Kuzichev 92	a-dep,cs
$\pi^\pm$ X			
	0.2	Polster 93	mult,p
$K^\pm$ X			
	0.2	Polster 93	mult,p
$J/\psi(1S)$ X			
	125	Tzamarias 90	angp,cs,p,pt
p X			
	0.2	Polster 93	mult,p
	40	Antipov 92	a-dep,p
		Antipov 90C	a-dep,angp
n X			
	0.2	Polster 93	mult,p
frag X			
	0	Jastrzebski 93	a-dep,cs
deuteron X			
	0.2	Polster 93	mult,p
^{3}H X			
	0.2	Polster 93	mult,p
$\mu^-\ \mu^+$ X			
	125	Tzamarias 90	mass

$\bar{p}\ ^{64}Cu$

mult[$\pi^\pm$] X			
	0	Polster 95	a-dep,cs,mult,p
mult[$K^\pm$] X			
	0	Polster 95	a-dep,cs,mult,p
mult[p] X			
	0	Polster 95	a-dep,cs,mult,p
mult[n] X			
	0	Polster 95	a-dep,cs,mult,p
mult[deuteron] X			
	0	Polster 95	a-dep,cs,mult,p
mult[trit] X			
	0	Polster 95	a-dep,cs,mult,p
^{3}He X			
	0.3	Sudov 93	p

$\bar{p}\ ^{70}Ge$

p X			
	0.3	Sudov 93	mult,p
deuteron X			
	0.3	Sudov 93	mult,p
^{3}H X			
	0.3	Sudov 93	mult,p

$\bar{p}\ ^{96}Zr$

fragt X			
	0	Lubinski 94	cs

$\bar{p}\,{}^{96}Zr$

${}^{95}Zr$ X	0	Lubinski 94	cs

$\bar{p}\,{}^{92}Mo$

mult[$\pi^\pm$] X	0	Polster 95	a-dep,cs,mult,p
mult[$K^\pm$] X	0	Polster 95	a-dep,cs,mult,p
mult[p] X	0	Polster 95	a-dep,cs,mult,p
mult[n] X	0	Polster 95	a-dep,cs,mult,p
mult[deuteron] X	0	Polster 95	a-dep,cs,mult,p
mult[trit] X	0	Polster 95	a-dep,cs,mult,p
${}^3He$ X	0.3	Sudov 93	p
${}^4He$ X	0.3	Sudov 93	p

$\bar{p}\,{}^{98}Mo$

p X	0.3	Sudov 93	p
deuteron X	0.3	Sudov 93	p
${}^3H$ X	0.3	Sudov 93	p
${}^3He$ X	0.3	Sudov 93	p
${}^4He$ X	0.3	Sudov 93	p

$\bar{p}\,{}^{100}Mo$

mult[$\pi^\pm$] X	0	Polster 95	a-dep,cs,mult,p
mult[$K^\pm$] X	0	Polster 95	a-dep,cs,mult,p
mult[p] X	0	Polster 95	a-dep,cs,mult,p
mult[n] X	0	Polster 95	a-dep,cs,mult,p
mult[deuteron] X	0	Polster 95	a-dep,cs,mult,p
mult[trit] X	0	Polster 95	a-dep,cs,mult,p

$\bar{p}\,{}^{96}Ru$

${}^{95}Tc$ X	0	Lubinski 94	cs

$\bar{p}\,{}^{108}Ag$

mult[$\pi^\pm$] X	0	Polster 95	a-dep,cs,mult,p
mult[$K^\pm$] X	0	Polster 95	a-dep,cs,mult,p
mult[p] X	0	Polster 95	a-dep,cs,mult,p

$\bar{p}\,{}^{108}Ag$

mult[n] X	0	Polster 95	a-dep,cs,mult,p
mult[deuteron] X	0	Polster 95	a-dep,cs,mult,p
mult[trit] X	0	Polster 95	a-dep,cs,mult,p

$\bar{p}$ Ag

π^+ X	100	Whitmore 94	mult,p,pt
π^- X	100	Whitmore 94	mult,p,pt
p X	100	Whitmore 94	mult,p

$\bar{p}$ Cd

annihil	0.7 – 0.95	Kuzichev 92B	cs
	0.7 – 2.5	Kuzichev 95	a-dep,cs
		Kuzichev 93	a-dep,cs
		Kuzichev 92	a-dep,cs

$\bar{p}\,{}^{130}Te$

fragt X	0	Lubinski 94	cs
${}^{129}Sb$ X	0	Lubinski 94	cs

$\bar{p}$ Xe

X	0 – 0.9	Andryakov 92	cs
inelastic	0.06 – 0.75	Barmin 94	cs
annihil	0	Ableev 94I	cs
mult[charged] X	200	Derado 90B	mult
mult[$\pi^\pm$] X	0 – 0.9	Matveev 92	mult
mult[π^0] X	0 – 0.9	Matveev 92	mult
mult[p] X	0 – 0.9	Matveev 92	mult
charged$^-$ X	200	Derado 90B	p
$\pi^\pm$ X	0 – 0.9	Andryakov 92	mult
		Dolgolenko 92	mult
		Matveev 92	mult
π^0 X	0 – 0.9	Andryakov 92	mult
		Dolgolenko 92	mult
		Matveev 92	mult
ω X	0 – 0.9	Dolgolenko 92	cs
strange X	0 – 0.9	Barmin 94B	cs
K^+ X	0 – 0.9	Barmin 94B	cs
		Dolgolenko 92	p,pt
K^0 X	0 – 0.9	Barmin 94B	cs
$\bar{K}^0$ X	0 – 0.9	Barmin 94B	cs
K^- X	0 – 0.9	Barmin 94B	cs
K_S X	0 – 0.9	Andryakov 92	cs
		Dolgolenko 92	cs
	200	Derado 90B	a-dep,cs,mult,p,pt

$\bar{p}$ Xe

p X	0 – 0.9	Andryakov 92	mult
		Dolgolenko 92	mult
		Matveev 92	mult
Λ X	0 – 0.9	Andryakov 92	cs
		Dolgolenko 92	p,pt
	200	Derado 90B	a-dep,cs,mult,p,pt
Λ X + Σ^0 X	0 – 0.9	Barmin 94B	cs
		Andryakov 92	cs
		Dolgolenko 92	cs
Σ^0 X	0 – 0.9	Andryakov 92	cs
		Dolgolenko 92	cs
mult[π^0] mult[$\pi^\pm$] X	0 – 0.9	Matveev 92	mult
mult[p] mult[$\pi^\pm$] X	0 – 0.9	Matveev 92	mult
mult[p] mult[π^0] X	0 – 0.9	Matveev 92	mult
$\pi^+ \pi^-$ X	0 – 0.9	Andryakov 92	mass
		Dolgolenko 92	mass
	200	Derado 90B	mass
K_S mult[charged$^-$] X	200	Derado 90B	cor,mult
mult[p] K_S X	200	Derado 90B	cor,mult
$2K^+$ X	0 – 0.9	Barmin 94B	cs
		Barmin 93	cs
$K^+ K^-$ X	0 – 0.9	Barmin 94B	cs
		Andryakov 92	cs
		Dolgolenko 92	cs
$K^+ K_S$ X	0 – 0.9	Barmin 94B	cs
		Andryakov 92	cs
		Dolgolenko 92	cs
$K_S K^-$ X	0 – 0.9	Barmin 94B	cs
		Andryakov 92	cs
$2K_S$ X	0 – 0.9	Barmin 94B	cs
		Andryakov 92	cs
$p \pi^-$ X	0 – 0.9	Andryakov 92	mass
		Dolgolenko 92	mass
	200	Derado 90B	mass
Λ mult[charged] X	200	Derado 90B	mult
Λ mult[charged$^-$] X	200	Derado 90B	cor,mult
mult[p] Λ X	200	Derado 90B	cor,mult
Λ charged$^-$ X	200	Derado 90B	p
ΛK^+ X + $\Sigma^0 K^+$ X	0 – 0.9	Barmin 94B	cs
		Andryakov 92	cs
		Dolgolenko 92	cs
ΛK_S X + $\Sigma^0 K_S$ X	0 – 0.9	Barmin 94B	cs
		Andryakov 92	cs
$\Sigma^+ K^+$ X	0 – 0.9	Barmin 94B	cs
		Dolgolenko 92	cs
$\Sigma^+ K^+$ X + $\Sigma^- K^+$ X	0 – 0.9	Andryakov 92	cs
$\Sigma^+ K^0$ X + $\Sigma^- K^0$ X	0 – 0.9	Andryakov 92	cs

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$\bar{p}$ Xe

$\Sigma^0 K^+$ X			
	0 – 0.9	Barmin 94B	cs
		Dolgolenko 92	cs
$\Sigma^- K^+$ X			
	0 – 0.9	Barmin 94B	cs
		Dolgolenko 92	cs
$\Sigma^\pm K_S$ X			
	0 – 0.9	Barmin 94B	cs
$\Sigma^0 K_S$ X			
	0 – 0.9	Barmin 94B	cs
3γ X			
	0 – 0.9	Dolgolenko 92	mass
$K \overline{K} \pi^\pm$ X			
	0 – 0.9	Andryakov 92	mult
		Dolgolenko 92	mult
$K \overline{K} \pi^0$ X			
	0 – 0.9	Andryakov 92	mult
		Dolgolenko 92	mult
$p K \overline{K}$ X			
	0 – 0.9	Andryakov 92	mult
		Dolgolenko 92	mult
$\Lambda \overline{K} \pi^\pm$ X + $\overline{\Lambda} K \pi^\pm$ X			
	0 – 0.9	Andryakov 92	mult
		Dolgolenko 92	mult
$\Lambda \overline{K} \pi^0$ X + $\overline{\Lambda} K \pi^0$ X			
	0 – 0.9	Andryakov 92	mult
		Dolgolenko 92	mult
$\Lambda K^+ K^0$ X			
	0 – 0.9	Barmin 93	cs
$\Lambda K^+ K_S$ X			
	0 – 0.9	Barmin 94B	cs
$p \Lambda \overline{K}$ X + $p \overline{\Lambda} K$ X			
	0 – 0.9	Andryakov 92	mult
		Dolgolenko 92	mult
dibaryon($S = -2$) $2K^+$ X			
	0 – 0.9	Barmin 93	cs
$4\pi^0$ X			
	0 – 0.9	Barmin 94B	cs
$\pi^+ 2\pi^0 \pi^-$ X			
	0 – 0.9	Barmin 94B	cs
$2\pi^+ 2\pi^-$ X			
	0 – 0.9	Barmin 94B	cs
$p\ 2\pi^0 \pi^-$ X			
	0 – 0.9	Barmin 94B	cs
$p\ \pi^+ 2\pi^-$ X			
	0 – 0.9	Barmin 94B	cs
$n\ 3\pi^0$ X			
	0 – 0.9	Barmin 94B	cs
$n\ \pi^+ \pi^0 \pi^-$ X			
	0 – 0.9	Barmin 94B	cs
5γ X			
	0 – 0.9	Dolgolenko 92	mass

$\bar{p}\ ^{144}$Sm

fragt X			
	0	Lubinski 94	cs
^{143}Pm X			
	0	Lubinski 94	cs

$\bar{p}\ ^{154}$Sm

fragt X			
	0	Lubinski 94	cs

$\bar{p}\ ^{165}$Ho

mult[$\pi^\pm$] X			
	0	Polster 95	a-dep,cs,mult,p
mult[$K^\pm$] X			
	0	Polster 95	a-dep,cs,mult,p
mult[p] X			
	0	Polster 95	a-dep,cs,mult,p
mult[n] X			
	0	Polster 95	a-dep,cs,mult,p
mult[deuteron] X			
	0	Polster 95	a-dep,cs,mult,p
mult[trit] X			
	0	Polster 95	a-dep,cs,mult,p
p X			
	0.3	Sudov 93	mult,p
deuteron X			
	0.3	Sudov 93	mult,p
^{3}H X			
	0.3	Sudov 93	mult,p

$\bar{p}\ ^{171}$Yb

p X			
	0.3	Sudov 93	mult,p
deuteron X			
	0.3	Sudov 93	mult,p
^{3}H X			
	0.3	Sudov 93	mult,p

$\bar{p}\ ^{181}$Ta

mult[$\pi^\pm$] X			
	0	Polster 95	a-dep,cs,mult,p
mult[$K^\pm$] X			
	0	Polster 95	a-dep,cs,mult,p
mult[p] X			
	0	Polster 95	a-dep,cs,mult,p
mult[n] X			
	0	Polster 95	a-dep,cs,mult,p
mult[deuteron] X			
	0	Polster 95	a-dep,cs,mult,p
mult[trit] X			
	0	Polster 95	a-dep,cs,mult,p

$\bar{p}$ Wt

$J/\psi(1S)$ X			
	125	Tzamarias 90	cs
$\psi(2S)$ X			
	125	Tzamarias 90	cs
$\mu^- \mu^+$ X			
	125	Tzamarias 90	mass

$\bar{p}$ Au

π^+ X			
	100	Whitmore 94	mult,p,pt
π^- X			
	100	Whitmore 94	mult,p,pt
p X			
	100	Whitmore 94	mult,p

$\bar{p}\ ^{197}$Au

mult[$\pi^\pm$] X			
	0	Polster 95	a-dep,cs,mult,p
mult[$K^\pm$] X			
	0	Polster 95	a-dep,cs,mult,p
mult[p] X			
	0	Polster 95	a-dep,cs,mult,p
mult[n] X			
	0	Polster 95	a-dep,cs,mult,p
mult[deuteron] X			
	0	Polster 95	a-dep,cs,mult,p
mult[trit] X			
	0	Polster 95	a-dep,cs,mult,p

$\bar{p}$ Pb

annihil			
	0.7 – 0.95	Kuzichev 92B	cs
	0.7 – 2.5	Kuzichev 95	a-dep,cs
		Kuzichev 93	a-dep,cs
		Kuzichev 92	a-dep,cs
$\pi^\pm$ X			
	0.2	Polster 93	mult,p
$K^\pm$ X			
	0.2	Polster 93	mult,p
p X			
	0.2	Polster 93	mult,p
	40	Antipov 92	a-dep,p
		Antipov 90C	a-dep,angp
n X			
	0.2	Polster 93	mult,p
deuteron X			
	0.2	Polster 93	mult,p
^{3}H X			
	0.2	Polster 93	mult,p

$\bar{p}\ ^{208}$Pb

p X			
	0.3	Sudov 93	mult,p
deuteron X			
	0.3	Sudov 93	mult,p
^{3}H X			
	0.3	Sudov 93	mult,p

$\bar{p}\ ^{209}$Bi

mult[$\pi^\pm$] X			
	0	Polster 95	a-dep,cs,mult,p
mult[$K^\pm$] X			
	0	Polster 95	a-dep,cs,mult,p
mult[p] X			
	0	Polster 95	a-dep,cs,mult,p
mult[n] X			
	0	Polster 95	a-dep,cs,mult,p
mult[deuteron] X			
	0	Polster 95	a-dep,cs,mult,p
mult[trit] X			
	0	Polster 95	a-dep,cs,mult,p
frag X			
	0.105	Hofmann 94	a-dep,mass,p
		Bocquet 92	mass,p
3frag			
	0.105	Bocquet 92	mass,p

$\bar{p}\ ^{232}$Th

p X			
	0.3	Sudov 93	mult,p
frag X			
	0.105	Hofmann 94	a-dep,mass,p
fragt X			
	0	Lubinski 94	cs
deuteron X			
	0.3	Sudov 93	mult,p

$\bar{p}\ ^{232}$Th

Final state	Momentum	Reference	Data
^{3}H X	0.3	Sudov 93	mult,p

$\bar{p}\ ^{238}$U

Final state	Momentum	Reference	Data
mult[$\pi^\pm$] X	0	Polster 95	a-dep,cs,mult,p
mult[$K^\pm$] X	0	Polster 95	a-dep,cs,mult,p
mult[p] X	0	Polster 95	a-dep,cs,mult,p
mult[n] X	0	Polster 95	a-dep,cs,mult,p
mult[deuteron] X	0	Polster 95	a-dep,cs,mult,p
mult[trit] X	0	Polster 95	a-dep,cs,mult,p
frag X	0.105	Hofmann 94	a-dep,mass,p
		Bocquet 92	mass,p
fragt X	0	Lubinski 94	cs
		Hofmann 92	mass,p
		Machner 92	cs
hypernucleus X	0.105	Armstrong 92B	–
^{3}He X	0.3	Sudov 93	p
^{4}He X	0.3	Sudov 93	p
^{73}Ga X	0	Machner 92	cs
^{88}Kr X	0	Machner 92	cs
^{97}Zr X	0	Machner 92	cs
^{95}Nb X	0	Machner 92	cs
^{96}Nb X	0	Machner 92	cs
^{103}Ru X	0	Machner 92	cs
^{105}Ru X	0	Machner 92	cs
^{105}Rh X	0	Machner 92	cs
^{109}Pd X	0	Machner 92	cs
^{115}Ag X	0	Machner 92	cs
^{111}Cd X	0	Machner 92	cs
^{115}Cd X	0	Machner 92	cs
^{117}Cd X	0	Machner 92	cs
^{116}In X	0	Machner 92	cs
^{125}Sn X	0	Machner 92	cs
^{120}Sb X	0	Machner 92	cs
^{122}Sb X	0	Machner 92	cs
^{126}Sb X	0	Machner 92	cs
^{127}Sb X	0	Machner 92	cs

$\bar{p}\ ^{238}$U

Final state	Momentum	Reference	Data
^{131}I X	0	Machner 92	cs
^{143}Ce X	0	Machner 92	cs
2fragt X	0	Hofmann 92	ang
3frag	0.105	Bocquet 92	mass,p

$\bar{p}$ U

Final state	Momentum	Reference	Data
π X	0	Minor 92	mult,p
p X	0	Minor 92	mult,p
		Minor 92B	p

$\Delta(1232\,P_{33})^+\ p$

Final state	Momentum	Reference	Data
2p	0.16	Budyashov 93	cs

Λ Cu

Final state	Momentum	Reference	Data
Ω^- X	300 – 800	Wallace 95	pol
		Lach 94	pol
		Lach 93	pol
		Lach 92	pol
		Diehl 91	pol
		Yokosawa 91	pol

$\Sigma^+\ \gamma^*$

Final state	Momentum	Reference	Data
Σ^+	375	Lach 94	pol
		Cooper 93	pol
		Lach 93	pol
		Morelos 93B	pol
		Chen 92B	pol
		Lach 92	pol

Σ^0 Cu

Final state	Momentum	Reference	Data
Ω^- X	300 – 800	Wallace 95	pol
		Lach 94	pol
		Lach 93	pol
		Lach 92	pol
		Diehl 91	pol
		Yokosawa 91	pol

$\Sigma^-\ e^-$

Final state	Momentum	Reference	Data
$\Sigma^-\ e^-$	360	Buenerd 92	angp

$\Sigma^-\ p$

Final state	Momentum	Reference	Data
X	360	Buenerd 92	cs
$n\ \Lambda$	360	Buenerd 92	angp
$n\ \Sigma^0$	360	Buenerd 92	angp
$p\ \Sigma^-$	360	Buenerd 92	angp

Σ^- nucleus

Final state	Momentum	Reference	Data
inelastic	350	Szarka 93	cs
mult[shower] X	350	Szarka 93	mult
mult[grey] X	350	Szarka 93	mult
mult[black] X	350	Szarka 93	mult
shower X	350	Szarka 93	p
grey X	350	Szarka 93	angp

Σ^- nucleus

Final state	Momentum	Reference	Data
mult[grey] shower X	350	Szarka 93	cor,mult,p

Σ^- C

Final state	Momentum	Reference	Data
K_S X	360	Chudakov 94	a-dep,cs
D^+ X	360	Chudakov 94	a-dep,cs,p
D^- X	360	Chudakov 94	a-dep,cs,p
Λ X	330	Beusch 95	p,pol,pt
$\bar{\Lambda}$ X	330	Beusch 95	p,pol,pt
Σ^+ X	330	Beusch 95	p,pol,pt
Ξ^- X	330	Beusch 95	p,pol,pt
Λ_c^+ X	360	Chudakov 94	p
$\Sigma_c(2455)^{++}$ X	360	Chudakov 94	p
$\Sigma_c(2455)^0$ X	360	Chudakov 94	p
$\Xi_c(2460)^+$ X	360	Chudakov 94	p
Ω_c X	340	Adamovich 95C	p
$p\ \pi^0$ X	330	Beusch 95	mass
$p\ \pi^-$ X	330	Beusch 95	mass
$\bar{p}\ \pi^+$ X	330	Beusch 95	mass
$\Lambda\ \pi^-$ X	330	Beusch 95	mass
$\Xi^-\ K^-\ 2\pi^+$ X + $\Omega^-\ 2\pi^+\ \pi^-$ X	340	Adamovich 95C	mass

$\Sigma^-\ ^{12}$C

Final state	Momentum	Reference	Data
γ X	0	Guriyev 93	p

Σ^- Cu

Final state	Momentum	Reference	Data
K_S X	360	Chudakov 94	a-dep,cs
D^+ X	360	Chudakov 94	a-dep,cs,p
D^- X	360	Chudakov 94	a-dep,cs,p
Λ X	330	Beusch 95	p,pol,pt
$\bar{\Lambda}$ X	330	Beusch 95	p,pol,pt
Σ^+ X	330	Beusch 95	p,pol,pt
Ξ^- X	330	Beusch 95	p,pol,pt
Ω_c X	340	Adamovich 95C	p
$p\ \pi^0$ X	330	Beusch 95	mass
$p\ \pi^-$ X	330	Beusch 95	mass
$\bar{p}\ \pi^+$ X	330	Beusch 95	mass
$\Lambda\ \pi^-$ X	330	Beusch 95	mass

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deuteron C

π^0 X
9 Abraamyan 94C a-dep,angp,p

π^- X
2.17 Viryasov 91B angp,p,pt
3.392 Gulkanyan 91 angp,cs,mult,p,pt
3.392 – 8.266 Viryasov 92 angp,cs,p,pt
3.4 Ermakov 94 angp,cs,p
Gulkanyan 91B angp,mult,p,pt
8.4 Bekmirzaev 93 p,pt
Backovic 92 a-dep,p,pt
Backovic 91 a-dep,p,pt
Baatar 90 angp,et,p,pt
9 Baldin 94 a-dep,cs
Afanasyev 93B a-dep,mult,p,pt
Afanasyev 91 p

$K^\pm$ X
6.615 – 8.982 Baldin 92 cs

p X
1.2 – 4.2 Beznogikh 91 angp,p,pol
1.616 Peterson 94 angp,p,pol
5.8 – 9 Borzunov 93 angp,pol
6 – 9 Aono 95 angp,asym,pol
Chernykh 94 angp,p,pol
8.4 Backovic 94 p
Bekmirzaev 94 angp,mult,p,pt
Agakishiev 92 a-dep,angp,cs,p
Backovic 92C a-dep,angp,p
9 Nomofilov 94 pol

$\bar{p}$ X
7.649 – 11.73 Chiba 94 a-dep,p
Chiba 93 a-dep,p
8.982 Baldin 95 a-dep,angp

deuteron X
2 – 4 Kishida 92 angp,cs

dibaryon X
8.4 Didenko 91B ang

tribaryon X
8.4 Didenko 91B ang

(p's) ($\pi^\pm$'s) X
8.4 Baatar 91 col,mult,p

2γ X
9 Abraamyan 94C angp,mass

$2\pi^-$ X
8.4 Simic 92 ang

$p\ \pi^-$ X
8.4 Simic 92 ang,p

$2p$ X
1.6 Beznogikh 91 angp,cor,p,pol
8.4 Simic 92 ang,p,pt

deuteron p X
1.6 Beznogikh 91 angp,cor,p,pol

2charged (chargeds) X
8.4 Angelov 94 col,cor

$2p$ (p's) X
8.4 Bazarov 94 angp,col

deuteron ^{12}C

π^+ X
0.8 – 1 Baldin 95B asym
3.8 – 6.5 Averichev 95C angp,pol
4.2 – 9 Averichev 95B angp,pol

deuteron ^{12}C

π^+ X
6.2 – 9 Anisimov 95 asym

π^- X
0.8 – 1 Baldin 95B asym
3.8 – 6.5 Averichev 95C angp,pol
4.2 – 9 Averichev 95B angp,pol
6.2 – 9 Anisimov 95 asym

K^+ X
0.8 – 1 Baldin 95B asym

p X
0.8 – 1 Baldin 95B asym
0.888 Morlet 94 angp,p,pol
6 – 9 Kuehn 94 angp,pol
9 Averichev 95B angp,pol
Azhgirey 91 angp,p
Azhgirey 91B angp
9.1 Ableev 92 angp,cs,p
Ableev 92B angp,cs,p
Ableev 91B angp,p,pol

deuteron X
4.5 – 5.5 Azhgirey 95B angp,p

^{2}He X
1.042 Okamura 94 angp,pol

$2p$ X
2.926 – 3.392 Sams 95 angp,p

^{12}Bor ^{2}He
0.6967 Xu 95 angp,cs
1.042 Okamura 94 angp,pol

^{11}C ^{3}H
0.888 Vandewiele 94 angp,p,pol

^{12}C deuteron
4.5 – 5.5 Azhgirey 95 angp,p

deuteron ^{13}C

^{13}Bor ^{2}He
0.6967 Xu 95 angp,cs

deuteron ^{16}O

^{15}O ^{3}H
0.888 Vandewiele 94 angp,p,pol

deuteron ^{24}Mg

^{24}Na ^{2}He
0.6967 Xu 95 angp,cs
1.042 Niizeki 94 angp,cs

deuteron ^{26}Mg

^{26}Na ^{2}He
1.042 Niizeki 94 angp,cs

deuteron Al

mult[π^-] X
9 Afanasyev 91 a-dep,mult

π^- X
9 Baldin 94 a-dep,cs
Afanasyev 93B a-dep,mult,p,pt
Afanasyev 91 p

$\bar{p}$ X
7.649 – 11.73 Chiba 94 a-dep,p
Chiba 93 a-dep,p

deuteron X
2 – 4 Kishida 92 angp,cs

deuteron ^{28}Si

^{28}Al ^{2}He
1.042 Niizeki 94 angp,cs

deuteron Ca

p X
1.616 Peterson 94 angp,p,pol

deuteron ^{40}Ca

p X
0.888 Morlet 94 angp,p,pol

deuteron ^{58}Ni

^{57}Ni ^{3}H
0.888 Vandewiele 94 angp,p,pol

deuteron Cu

mult[π^-] X
9 Afanasyev 91 a-dep,mult

π^0 X
9 Abraamyan 94C a-dep,angp,p

π^- X
9 Baldin 94 a-dep,cs
Afanasyev 93B a-dep,mult,p,pt
Afanasyev 91 p

$\bar{p}$ X
7.649 – 11.73 Chiba 94 a-dep,p
Chiba 93 a-dep,p

2γ X
9 Abraamyan 94C angp,mass

deuteron ^{90}Zr

^{89}Zr ^{3}H
0.888 Vandewiele 94 angp,p,pol

deuteron Ag

frag X
6.014 Todorovic 93 cs

2frag X
6.014 Todorovic 93 cs

3frag X
6.014 Todorovic 93 cs

deuteron ^{116}Sn

^{115}Sn ^{3}H
0.888 Vandewiele 94 angp,p,pol

^{116}Sn deuteron
0.888 Vandewiele 94 angp,p,pol

deuteron ^{120}Sn

^{119}Sn ^{3}H
0.888 Vandewiele 94 angp,p,pol

deuteron Ta

mult[nucleon] X
8.4 – 20 Dedovich 94 angp,cor,p,pt

π^- X
8.4 Bekmirzaev 94B angp,mult,p,pt
Backovic 92 a-dep,p,pt
Agakishiev 91 a-dep,angp
Backovic 91 a-dep,p,pt

p X
8.4 Backovic 94 p
Agakishiev 92 a-dep,angp,cs,p
Backovic 92C a-dep,angp,p

deuteron Au

frag X
6.014 Todorovic 93 cs

2frag X
6.014 Todorovic 93 cs

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deuteron Au

3frag X	6.014	Todorovic 93	cs

deuteron Pb

mult[charged] X	9	Afanasyev 93C	mult
mult[π^-] X	9	Afanasyev 91	a-dep,mult
π^- X	9	Baldin 94	a-dep,cs
		Afanasyev 93B	a-dep,mult,p,pt
		Afanasyev 91	p
p X	1.616	Peterson 94	angp,p,pol
n X	3.392	Daniel 92	angp,p

deuteron Bi

frag X	6.014	Todorovic 93	cs
2frag X	6.014	Todorovic 93	cs
3frag X	6.014	Todorovic 93	cs

deuteron Th

frag X	6.014	Todorovic 93	cs
2frag X	6.014	Todorovic 93	cs
3frag X	6.014	Todorovic 93	cs

deuteron ^{238}U

fragt X	8.982	Kozma 93	mass

deuteron deuteron

K_S X	10 – 13	Batyunya 93	a-dep,cs
	12.2	Batyunya 93B	angp,cs,p,pt
		Coc 92	mult,p,pt
Λ X	10 – 13	Batyunya 93	a-dep,cs
	12.2	Batyunya 93B	angp,cs,p,pt
		Coc 92	mult,p,pt
$\overline{\Lambda}$ X	12.2	Coc 92	mult

deuteron C

0K_S charged X	12.2	Coc 92	mult
0Λ charged X	12.2	Coc 92	mult
0vee charged$^+$ X	12.2	Coc 92	pt
0Λ charged$^+$ X	12.2	Coc 92	mult
0K_S charged$^+$ X	12.2	Coc 92	mult
0vee charged$^-$ X	12.2	Coc 92	pt
0K_S charged$^-$ X	12.2	Coc 92	mult
0Λ charged$^-$ X	12.2	Coc 92	mult
0K_S shower X	12.2	Coc 92	mult
0Λ shower X	12.2	Coc 92	mult

deuteron C

0K_S shower$^+$ X	12.2	Coc 92	mult
0Λ shower$^+$ X	12.2	Coc 92	mult
0K_S shower$^-$ X	12.2	Coc 92	mult
0Λ shower$^-$ X	12.2	Coc 92	mult
K_S X	10 – 13	Batyunya 93	a-dep,cs
	12.2	Batyunya 93B	angp,cs,p,pt
		Coc 92	mult,p,pt
Λ X	10 – 13	Batyunya 93	a-dep,cs
	12.2	Batyunya 93B	angp,cs,p,pt
		Coc 92	mult,p,pt
$\overline{\Lambda}$ X	12.2	Coc 92	mult
vee charged$^+$ X	12.2	Coc 92	pt
vee charged$^-$ X	12.2	Coc 92	pt
K_S charged X	12.2	Coc 92	mult
K_S charged$^+$ X	12.2	Coc 92	mult
K_S charged$^-$ X	12.2	Coc 92	mult
K_S shower X	12.2	Coc 92	mult
K_S shower$^+$ X	12.2	Coc 92	mult
K_S shower$^-$ X	12.2	Coc 92	mult
Λ charged X	12.2	Coc 92	mult
Λ charged$^+$ X	12.2	Coc 92	mult
Λ charged$^-$ X	12.2	Coc 92	mult
Λ shower X	12.2	Coc 92	mult
Λ shower$^+$ X	12.2	Coc 92	mult
Λ shower$^-$ X	12.2	Coc 92	mult

deuteron Pb

0K_S charged X	12.2	Coc 92	mult
0Λ charged X	12.2	Coc 92	mult
0K_S charged$^+$ X	12.2	Coc 92	mult
0Λ charged$^+$ X	12.2	Coc 92	mult
0vee charged$^+$ X	12.2	Coc 92	pt
0vee charged$^-$ X	12.2	Coc 92	pt
0K_S charged$^-$ X	12.2	Coc 92	mult
0Λ charged$^-$ X	12.2	Coc 92	mult
0K_S shower X	12.2	Coc 92	mult
0Λ shower X	12.2	Coc 92	mult
0K_S 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
0Λ shower$^-$ X	12.2	Coc 92	mult
K_S X	12.2	Batyunya 93B	angp,cs,p,pt
		Coc 92	mult,p,pt
Λ X	10 – 13	Batyunya 93	a-dep,cs
	12.2	Batyunya 93B	angp,cs,p,pt
		Coc 92	mult,p,pt
$\overline{\Lambda}$ X	12.2	Coc 92	mult
vee charged$^+$ X	12.2	Coc 92	pt
vee charged$^-$ X	12.2	Coc 92	pt
K_S charged X	12.2	Coc 92	mult
K_S charged$^+$ X	12.2	Coc 92	mult
K_S charged$^-$ X	12.2	Coc 92	mult
K_S shower X	12.2	Coc 92	mult
K_S shower$^+$ X	12.2	Coc 92	mult
K_S shower$^-$ X	12.2	Coc 92	mult
Λ charged X	12.2	Coc 92	mult
Λ charged$^+$ X	12.2	Coc 92	mult
Λ charged$^-$ X	12.2	Coc 92	mult
Λ shower X	12.2	Coc 92	mult
Λ shower$^+$ X	12.2	Coc 92	mult
Λ shower$^-$ X	12.2	Coc 92	mult

^{3}H p

^{3}He X	9	Avramenko 92B	cs
		Avramenko 91	cs

^{3}H deuteron

^{3}H p n	0.4106 – 0.4468	Blagus 91	angp

^{3}H C

π^- X	9	Avramenko 94	angp,p
^{3}He X	9	Avramenko 94	p
		Avramenko 91	cs

^{3}H ^{12}C

^{3}He π^- X	5.979	Avramenko 96	p

^{3}H Ne

^{3}He mult[p] mult[$\pi^\pm$] X	9	Abdurakhimov 91	a-dep,cs,mult

^{3}H Mg

mult[π^-] X	9	Avramenko 93	mult

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^{3}He Ag

Final state	Momentum	Reference	Data
mult[fragt] X	14.13	Kwiatkowski 95	mult,p
p X	1.076	Zhu 91	angp,p
fragt X	0.7149 – 5.752	Yennello 93	angp,cs
Be X	1.707 – 5.752	Yennello 93	angp,p
Bor X	1.707 – 5.752	Yennello 93	angp,p
C X	1.707 – 5.752	Yennello 93	angp,p
	2.417 – 5.752	Yennello 93	angp,p
2p X	1.076	Zhu 91	cor
C mult[frag] X	14.13	Kwiatkowski 95	mult,p
C mult[fragt] X	14.13	Kwiatkowski 95	mult,p

^{3}He ^{112}Sn

Final state	Momentum	Reference	Data
^{112}Sb ^{3}H	1.076	Pham 95	a-dep,angp,p

^{3}He ^{114}Sn

Final state	Momentum	Reference	Data
^{114}Sb ^{3}H	1.076	Pham 95	a-dep,angp,p

^{3}He ^{116}Sn

Final state	Momentum	Reference	Data
^{116}Sb ^{3}H	1.076	Pham 95	a-dep,angp,p

^{3}He ^{117}Sn

Final state	Momentum	Reference	Data
^{117}Sb ^{3}H	1.076	Pham 95	a-dep,angp,p

^{3}He ^{118}Sn

Final state	Momentum	Reference	Data
^{118}Sb ^{3}H	1.076	Pham 95	a-dep,angp,p

^{3}He ^{119}Sn

Final state	Momentum	Reference	Data
^{119}Sb ^{3}H	1.076	Pham 95	a-dep,angp,p

^{3}He ^{120}Sn

Final state	Momentum	Reference	Data
^{120}Sb ^{3}H	1.076	Pham 95	a-dep,angp,p

^{3}He ^{122}Sn

Final state	Momentum	Reference	Data
^{122}Sb ^{3}H	1.076	Pham 95	a-dep,angp,p

^{3}He ^{124}Sn

Final state	Momentum	Reference	Data
^{124}Sb ^{3}H	1.076	Pham 95	a-dep,angp,p

^{3}He Au

Final state	Momentum	Reference	Data
mult[n] X	3.896	Pienkowski 94	mult
mult[frag] X	4.621 – 14.13	Morley 95	et,mult
mult[fragt] X	4.621 – 14.13	Morley 95	et,mult
γ X	1.287	Pinston 92	angp,p

^{3}He ^{197}Au

Final state	Momentum	Reference	Data
mult[frag] X	14.13	Kwiatkowski 95	mult,p
mult[fragt] X	14.13	Kwiatkowski 95	mult,p
Be X	2.417 – 5.752	Yennello 93	angp,p
Bor X	2.417 – 5.752	Yennello 93	angp,p
C X	2.417 – 5.752	Yennello 93	angp,p
C mult[frag] X	14.13	Kwiatkowski 95	mult,p
C mult[fragt] X	14.13	Kwiatkowski 95	mult,p

^{3}He ^{208}Pb

Final state	Momentum	Reference	Data
^{3}H X	2.417 – 3.896	Brockstedt 91	a-dep,angp,p
^{208}Pb ^{3}He	0.1979 – 0.3087	Goeckner 91	angp,const,cs
	1.649	Yamagata 94	ang
^{208}Bi ^{3}H	1.649	Harakeh 94	angp,p

^{3}He Bi

Final state	Momentum	Reference	Data
mult[n] X	3.896	Pienkowski 94	mult

^{3}He U

Final state	Momentum	Reference	Data
mult[n] X	3.896	Pienkowski 94	mult

^{4}He p

Final state	Momentum	Reference	Data
X	2.7	Grechko 94	ang,angp,cs,pt
	8.6 – 13.6	Glagolev 93B	cs
mult[charged] (neutrals)	8.6 – 13.6	Glagolev 93B	mult
p X	8.6 – 13.6	Sobchak 95B	angp
p 0π X	8.6 – 13.6	Sobchak 95B	angp
n X	8.6 – 13.6	Sobchak 95B	angp
n 0π X	8.6 – 13.6	Sobchak 95B	angp
2p X	8.6 – 13.6	Galazkafried 93	cor
3p X	8.6 – 13.6	Sobchak 95	angp,cs,p
^{3}He π^{+} 2neutral (neutrals)	8.6 – 13.6	Glagolev 93B	cs
^{3}He p 2neutral (neutrals)	8.6 – 13.6	Glagolev 93B	cs
^{4}He π^{+} 2neutral (neutrals)	8.6 – 13.6	Glagolev 93B	cs
^{4}He p 2neutral (neutrals)	8.6 – 13.6	Glagolev 93B	cs
3charged 2neutral (neutrals)	8.6 – 13.6	Glagolev 93B	cs
3π^{+} 2neutral (neutrals)	8.6 – 13.6	Glagolev 93B	cs
p 2π^{+} 2neutral (neutrals)	8.6 – 13.6	Glagolev 93B	cs
2p π^{+} 2neutral (neutrals)	8.6 – 13.6	Glagolev 93B	cs
3p 2neutral (neutrals)	8.6 – 13.6	Glagolev 93B	cs
deuteron 2π^{+} 2neutral (neutrals)	8.6 – 13.6	Glagolev 93B	cs
deuteron p π^{+} 2neutral (neutrals)	8.6 – 13.6	Glagolev 93B	cs
deuteron 2p 2neutral (neutrals)	8.6 – 13.6	Glagolev 93B	cs
2deuteron π^{+} 2neutral (neutrals)	8.6 – 13.6	Glagolev 93B	cs
2deuteron p 2neutral (neutrals)	8.6 – 13.6	Glagolev 93B	cs
^{3}H 2π^{+} 2neutral (neutrals)	8.6 – 13.6	Glagolev 93B	cs
^{3}H p π^{+} 2neutral (neutrals)	8.6 – 13.6	Glagolev 93B	cs
^{3}H 2p 2neutral (neutrals)	8.6 – 13.6	Glagolev 93B	cs
^{3}H deuteron π^{+} 2neutral (neutrals)	8.6 – 13.6	Glagolev 93B	cs
5charged 2neutral (neutrals)	8.6 – 13.6	Glagolev 93B	cs
2p 2π^{+} π^{-} 2neutral (neutrals)	8.6 – 13.6	Glagolev 93B	cs
3p π^{+} π^{-} 2neutral (neutrals)	8.6 – 13.6	Glagolev 93B	cs
4p π^{-} 2neutral (neutrals)	8.6 – 13.6	Glagolev 93B	cs
deuteron p 2π^{+} π^{-} 2neutral (neutrals)	8.6 – 13.6	Glagolev 93B	cs
^{3}He deuteron	2.7	Abdullin 92	cs
^{4}He p	2.7	Abdullin 92	cs
	8.6 – 13.6	Glagolev 93B	angp,cs
2deuteron p	2.7	Grechko 94	ang,angp,cs,pt
		Abdullin 92	cs
	8.6 – 13.6	Sobchak 95	angp,cs,p
		Galazkafried 93	cor
		Glagolev 93B	cs
^{3}H 2p	2.7	Blinov 95B	ang,angp,cs
		Abdullin 92	cs
	8.6 – 13.6	Sobchak 95	angp,cs,p
		Glagolev 93B	cs
^{3}H deuteron π^{+}	8.6 – 13.6	Glagolev 93B	cs
^{3}He p n	2.7	Blinov 95B	ang,angp,cs
		Abdullin 92	cs
	8.6 – 13.6	Sobchak 95	angp,cs,p
		Glagolev 93B	cs
^{3}He deuteron π^{0}	8.6 – 13.6	Glagolev 93B	cs
^{4}He p π^{0}	8.6 – 13.6	Glagolev 93B	cs
^{4}He n π^{+}	8.6 – 13.6	Glagolev 93B	cs
deuteron 2p n	2.7	Abdullin 92	cs
	8.6 – 13.6	Sobchak 95	angp,cs,p
		Glagolev 93B	cs
2deuteron p π^{0}	8.6 – 13.6	Glagolev 93B	cs
2deuteron n π^{+}	8.6 – 13.6	Glagolev 93B	cs
^{3}H 2p π^{0}	8.6 – 13.6	Glagolev 93B	cs
^{3}H p n π^{+}	8.6 – 13.6	Glagolev 93B	cs
^{3}H deuteron π^{+} π^{0}	8.6 – 13.6	Glagolev 93B	cs
^{3}He 2p π^{-}	8.6 – 13.6	Glagolev 93B	cs
^{3}He deuteron π^{+} π^{-}	8.6 – 13.6	Glagolev 93B	cs

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^{4}He Fe

^{3}He 29charged (neutrals)
$4 \cdot 10^5$ Apanasenko 93 p

^{4}He Cu

π^0 X
18 Abraamyan 92 a-dep,cs,p,pt
$\bar{p}$ X
11.12 – 23.43 Chiba 94 a-dep,p
2γ X
18 Abraamyan 92 mass

^{4}He Ta

π^- X
16.8 Bekmirzaev 94B angp,mult,p,pt
Backovic 92 a-dep,p,pt

^{4}He Au

dibaryon X
8 Kratenko 93 cs
$2p$ X
8 Kratenko 93 mass

^{4}He ^{197}Au

mult[frag] X
6.768 – 17.74 Lips 94 mult
frag mult[charged] X
6.768 – 17.74 Lips 94 mass,mult
2frag X
6.768 – 17.74 Lips 94 cor,p
fragt fragb X
17.74 Lips 94B ang,cor
2frag (frags) X
17.94 Shmakov 95 ang,cor

^{4}He Pb

mult[charged] (neutrals)
$> 2 \cdot 10^4$ Apanasenko 94 mult,p
mult[htrack] shower X
18 Bobodjanov 91 mult
mult[htrack] grey X
18 Bobodjanov 91 mult
mult[htrack] black X
18 Bobodjanov 91 mult
$\pi^\pm$ charged X
17.74 Adyasevich 94B angp,cor
$2p$ X
17.74 Adyasevich 94 angp,cor

He p

He X
7 Morsch 92 mass
He $N(1440\,P_{11})^+$
7 Morsch 92 angp

He nucleus

charged X
18 Ahmad 91 cs
K^0 X
16.51 – 18.15 Okonov 94 angp,mult,p,pt
Λ X
16.51 – 18.15 Okonov 94 angp,mult,p,pt

He He

2He
1.228 Cowley 94 ang,angp,p

He Li

inelastic
18 Albaaj 94 cs

He Li

mult[charged] X
18 Albaaj 94 mult
mult[charged$^-$] X
18 Albaaj 94 mult
charged X
18 Albaaj 94 mult
charged$^-$ X
18 Albaaj 94 angp,mult,p,pt
π^- 0fragb X
18 Chkhaidze 95 angp,mult,p
Chkhaidze 92 p,pt
p 0fragb X
18 Chkhaidze 92 p,pt

He ^{9}Be

^{5}He 2He
1.228 Cowley 94 ang,angp,p

He C

mult[π^-] X
6.8 Ermakov 94 mult
mult[nucleon] X
16.8 Kuznetsov 93 cor,mult,p
π^0 X
18 Abraamyan 94C a-dep,angp,p
π^- 0fragb X
18 Chkhaidze 95 angp,mult,p
Chkhaidze 92 p,pt
π^- X
6.8 Ermakov 94 angp,cs,p
16.8 Backovic 91 a-dep,p,pt
Baatar 90 angp,et,p,pt
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
p 0fragb X
18 Chkhaidze 92 p,pt
deuteron X
2.57 – 5.83 Montarou 91 angp,p
3.807 Montarou 91 angp,p
dibaryon X
16.8 Didenko 91B ang
tribaryon X
16.8 Didenko 91B ang
He X
17.9 Ableev 91C angp
mult[charged$^+$] mult[charged$^-$] X
18 Besliu 93 angp,mult
mult[shower] mult[frag] X
18 Jipa 95 angp,mult
2γ X
18 Abraamyan 94C angp,mass
$2\pi^-$ X
16.8 Simic 92 ang
$p\,\pi^-$ X
16.8 Simic 92 ang
$2p$ X
16.8 Simic 92 ang
2charged (chargeds) X
16.8 Angelov 94 col,cor

He ^{12}C

inelastic
0.7491 – 1.214 Auce 94 a-dep,cs

He ^{16}O

inelastic
0.7491 – 1.214 Auce 94 a-dep,cs

He Ne

mult[shower] mult[frag] X
18 Jipa 95 angp,mult

He Al

He X
17.9 Ableev 91C angp
mult[charged$^+$] mult[charged$^-$] X
18 Besliu 93 angp,mult
mult[shower] mult[frag] X
18 Jipa 95 angp,mult

He ^{28}Si

inelastic
0.7491 – 1.214 Auce 94 a-dep,cs

He ^{40}Ca

inelastic
0.7491 – 1.214 Auce 94 a-dep,cs

He ^{48}Ca

inelastic
0.7491 – 1.214 Auce 94 a-dep,cs

He ^{58}Ni

inelastic
0.7491 – 1.214 Auce 94 a-dep,cs

He ^{60}Ni

inelastic
0.7491 – 1.214 Auce 94 a-dep,cs

He Cu

π^0 X
18 Abraamyan 94C a-dep,angp,p
p X
2.57 – 5.83 Montarou 91 angp,p
deuteron X
2.57 – 5.83 Montarou 91 angp,p
He X
17.9 Ableev 91C angp
mult[charged$^+$] mult[charged$^-$] X
18 Besliu 93 angp,mult
mult[shower] mult[frag] X
18 Jipa 95 angp,mult
2γ X
18 Abraamyan 94C angp,mass

He ^{124}Sn

inelastic
0.7491 – 1.214 Auce 94 a-dep,cs

He Ta

π^- X
16.8 Agakishiev 91 a-dep,angp
Backovic 91 a-dep,p,pt
p X
16.8 Backovic 94 p
Agakishiev 92 a-dep,angp,cs,p
Backovic 92C a-dep,angp,p

He Pb

p X
2.57 – 5.83 Montarou 91 angp,p

He Pb

p X
3.807 Montarou 91 angp,p
n X
6.76 Daniel 92 angp,p
deuteron X
2.57 – 5.83 Montarou 91 angp,p
3.807 Montarou 91 angp,p
He X
17.9 Ableev 91C angp
mult[charged$^+$] mult[charged$^-$] X
18 Besliu 93 angp,mult
mult[shower] mult[frag] X
18 Jipa 95 angp,mult

He ^{208}Pb

inelastic
0.7491 – 1.214 Auce 94 a-dep,cs

^{8}He p

^{8}He p
0.3862 Korsheninnik 93 angp,mass
^{6}He p $2n$
0.3862 Korsheninnik 93 angp,mass

^{8}He Be

^{6}He n X
1.907 Riisager 92 angp,cs

^{8}He Ni

^{6}He n X
1.907 Riisager 92 angp,cs

^{8}He Au

^{6}He n X
1.907 Riisager 92 angp,cs

^{6}Li p

deuteron X
8.39 Punjabi 92 dme,pt
^{3}H X
8.39 Punjabi 92 dme,pt
^{4}He X
8.39 Punjabi 92 dme,pt

^{6}Li nucleus

inelastic
27 Elsharkawy 94 cs
< 1206 Baroni 91 cs
mult[shower] X
27 Elsharkawy 94 mult
mult[shower] 0fragb X
27 Elsharkawy 94 mult
p X
27 Lepekhin 95 cs,p,pt
Lepekhin 94B p,pt
fragb X
27 Lepekhin 95 cs,p,pt
deuteron X
27 Lepekhin 95 cs,p,pt
Lepekhin 94B p,pt
^{3}H X
27 Lepekhin 95 cs,p,pt
^{3}He X
27 Lepekhin 95 cs,p,pt
Lepekhin 94B p,pt
^{4}He X
27 Lepekhin 95 cs,p,pt
Lepekhin 94B p,pt
^{6}He X
27 Lepekhin 95 cs,p,pt
Lepekhin 94B p,pt

^{6}Li C

^{3}H$_s$ X
27 Avramenko 92 cs
^{4}H$_s$ X
27 Avramenko 92 cs

^{6}Li Pb

n X
10.15 Daniel 92 angp,p

^{7}Li p

^{7}Be X
21 Avramenko 92B cs
Avramenko 91C cs

^{7}Li nucleus

inelastic
26.74 Yasin 95 a-dep,cs
37.46 Yasin 95 a-dep,cs
shower X
31.76 Elnadi 94C p
grey X
31.76 Elnadi 94C p
black X
31.76 Elnadi 94C p
fragb X
26.74 Yasin 95 a-dep,cs
hadron (hadrons) X
37.46 Yasin 95 a-dep,cs
mult[htrack] shower X
31.76 Elnadi 94C mult,p
2shower X
28.7 Elnaghy 94 cor,p
Be He X
37.46 Yasin 95 a-dep,cs
(showers) 2shower X
28.7 Elnaghy 94 col
2grey (greys) X
28.7 Elnaghy 94 col
2black (blacks) X
28.7 Elnaghy 94 col
He hadron (hadrons) X
37.46 Yasin 95 a-dep,cs
3He X
37.46 Yasin 95 a-dep,cs
Li 2hadron X
37.46 Yasin 95 a-dep,cs
2He hadron (hadrons) X
37.46 Yasin 95 a-dep,cs
3He hadron X
37.46 Yasin 95 a-dep,cs
Li 3hadron X
37.46 Yasin 95 a-dep,cs
Li He 2π X
37.46 Yasin 95 a-dep,cs
2Li 2π X
37.46 Yasin 95 a-dep,cs
Be He 2π X
37.46 Yasin 95 a-dep,cs
Bor p 2π X
37.46 Yasin 95 a-dep,cs
Li 4hadron X
37.46 Yasin 95 a-dep,cs
Li He 3π X
37.46 Yasin 95 a-dep,cs
Be He 3π X
37.46 Yasin 95 a-dep,cs
Li 5hadron X
37.46 Yasin 95 a-dep,cs
Li He 4π X
37.46 Yasin 95 a-dep,cs
Be He 4π X
37.46 Yasin 95 a-dep,cs
Li He 5π X
37.46 Yasin 95 a-dep,cs

^{7}Li C

^{7}Be X
21 Avramenko 92B cs
Avramenko 91C cs

^{7}Li Mg

^{7}Be (charged-hadrons) X
21 Avramenko 92B angp,cs,mult

^{7}Li Al

^{7}Be X
21 Avramenko 91C cs

^{7}Li Cu

^{7}Be X
21 Avramenko 91C cs

^{7}Li Pb

^{7}Be X
21 Avramenko 92B cs
Avramenko 91C cs

^{8}Li deuteron

^{7}Li ^{3}H
0.3454 – 0.457 Balbes 93 cs
^{9}Be n
0.3454 – 0.457 Balbes 93 cs

^{8}Li C

X
3.154 Blank 93 cs
frag X
3.154 Blank 92 cs

^{8}Li Pb

X
3.154 Blank 93 cs
frag X
3.154 Blank 92 cs

^{9}Li C

X
3.548 Blank 93 cs
frag X
3.548 Blank 92 cs

^{9}Li Al

X
3.548 Blank 93 cs
frag X
3.548 Blank 92 cs

^{9}Li Cu

X
3.548 Blank 93 cs
frag X
3.548 Blank 92 cs

^{9}Li Sn

X
3.548 Blank 93 cs
frag X
3.548 Blank 92 cs

^{9}Li Pb

X
3.548 Blank 93 cs
frag X
3.548 Blank 92 cs

^{11}Li Be

^{9}Li n X
2.621 Riisager 92 angp,cs

^{11}Li C

X
4.337 Blank 93 cs

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^{11}Li C

frag X		
4.337	Blank 92	cs

^{11}Li Ni

^{9}Li n X		
2.621	Riisager 92	angp,cs

^{11}Li Sn

X		
4.337	Blank 93	cs
frag X		
4.337	Blank 92	cs

^{11}Li Au

^{9}Li n X		
2.621	Riisager 92	angp,cs

^{11}Li Pb

X		
4.337	Blank 93	cs
frag X		
4.337	Blank 92	cs

^{9}Be nucleus

inelastic		
< 1808	Baroni 91	cs

^{11}Be ^{9}Be

n X		
3.074	Anne 94	cs
frag X		
3.074	Anne 94	p
^{10}Be X		
3.074	Anne 94	cs
n frag X		
3.074	Anne 94	p
^{10}Be n X		
3.074	Anne 94	angp

^{11}Be C

inelastic		
2.752	Fukuda 91	cs
^{10}Be X		
2.752	Fukuda 91	cs

^{11}Be Al

inelastic		
2.752	Fukuda 91	cs
^{10}Be X		
2.752	Fukuda 91	cs

^{11}Be Ti

n X		
3.074	Anne 94	cs
frag X		
3.074	Anne 94	p
^{10}Be X		
3.074	Anne 94	cs
n frag X		
3.074	Anne 94	p
^{10}Be n X		
3.074	Anne 94	angp

^{11}Be ^{197}Au

n X		
3.074	Anne 94	cs
frag X		
3.074	Anne 94	p
^{10}Be X		
3.074	Anne 94	cs
n frag X		
3.074	Anne 94	p
^{10}Be n X		
3.074	Anne 94	angp

^{14}Be Be

^{12}Be X		
3.336	Riisager 92	angp,cs

^{14}Be Ni

^{12}Be X		
3.336	Riisager 92	angp,cs

^{14}Be Au

^{12}Be X		
3.336	Riisager 92	angp,cs

^{11}Bor nucleus

inelastic		
< 2210	Baroni 91	cs

C p

He X		
54	Ameeva 94	a-dep,pt

C nucleus

mult[charged] X		
47.91	Gulamov 95	cor,mult,p
mult[$\pi^{\pm}$] X		
54	Tauseef 92	angp,mult
mult[p] X		
54	Tauseef 92	angp,mult
mult[shower] X		
54	Tauseef 92	angp,mult
mult[grey] X		
54	Tauseef 92	angp,mult
shower X		
54	Ahmad 92	p
K^0 X		
49.54 – 54.45	Okonov 94	angp,mult,p,pt
Λ X		
49.54 – 54.45	Okonov 94	angp,mult,p,pt
He X		
54	Ameeva 94	a-dep,pt
shower mult[shower] X		
54	Ahmad 92	mult,p
mult[grey] shower X		
54	Ahmad 92	mult,p
mult[htrack] shower X		
54	Ahmad 92	mult,p
(showers) 2shower X		
54	Ghosh 94B	ang,col
2htrack (htracks) X		
54	Ghosh 94B	ang,col
(showers) shower fragb (fragbs) X		
54	Ghosh 94B	ang,col
htrack (htracks) fragb (fragbs) X		
54	Ghosh 94B	ang,col
nucleus 3He		
50.4	Belaga 95E	ang,cor,mass,pt
54	Belaga 95C	ang,cor,mass,pt
	Belaga 94	cor,pt

C C

mult[charged$^-$] X		
50.4	Batskovich 91	cor,mult,p
mult[nucleon] X		
50.4	Kuznetsov 93	cor,mult,p
$\pi^{\pm}$ X		
39.64 – 53.84	Baldin 92	cs
π^0 X		
54	Abraamyan 94C	a-dep,angp,p

C C

π^- X		
50.4	Simic 95	p,pt
	Backovic 91	a-dep,p,pt
	Baatar 90	angp,et,p,pt
$K^{\pm}$ X		
39.64 – 53.84	Baldin 92	cs
p X		
50.4	Simic 95	p,pt
	Backovic 94	p
	Agakishiev 92	a-dep,angp,cs,p
	Backovic 92C	a-dep,angp,p
p 0fragb X		
54	Chkhaidze 92	p,pt
$\Delta(1232\,P_{33})^{++}$ X		
50.4	Krpic 92	cs
dibaryon X		
50.4	Didenko 91B	ang
tribaryon X		
50.4	Didenko 91B	ang
mult[charged$^+$] mult[charged$^-$] X		
54	Besliu 93	angp,mult
mult[shower] mult[frag] X		
54	Jipa 95	angp,mult
2γ X		
54	Abraamyan 94C	angp,mass
π^- mult[charged] X		
50.4	Angelov 92B	col,pt
mult[p] π^- X		
50.4	Simic 95	mult,p,pt
K^0 mult[charged] X		
50.4	Angelov 92B	col
p mult[charged] X		
50.4	Angelov 92B	col,pt
p mult[p] X		
50.4	Simic 95	mult,p,pt
$2p$ X		
50.4	Simic 92	ang,p,pt
Λ mult[charged] X		
50.4	Angelov 92B	col
2charged (chargeds) X		
50.4	Boos 95	col,cor,p
	Angelov 94	col,cor
2π (π's) X		
50.4	Vinitsky 91	ang,col
$2p$ (p's) X		
50.4	Bazarov 95	angp,col,cor,mult
	Bazarov 94	angp,col
	Vinitsky 91	ang,col
$2p$ (p's) ($\pi^{\pm}$'s) X		
50.4	Angelov 92	ang,cor,p

C Ne

0fragb mult[charged] X		
54	Sarkisyan 93	col
	Sarkisyan 93B	col
	Gelovani 92	col
π^- 0fragb X		
54	Chkhaidze 95	angp,mult,p
	Chkhaidze 92	p,pt
p 0fragb X		
54	Chkhaidze 92	p,pt
mult[shower] mult[frag] X		
54	Jipa 95	angp,mult

C Fe

mult[charged] (neutrals)		
$> 6 \cdot 10^4$	Apanasenko 94	mult,p

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^{12}C nucleus

htrack mult[shower] X	54	Ahmad 93C	cor,mult
black mult[shower] X	54	Ahmad 93C	cor,mult
mult[htrack] black X	54	Bobodjanov 91	mult
fragb (fragbs) X	64.21	Ghosh 94D	col,p,pt
mult[htrack] fragb X	54	Ahmad 91	angp,mult
He mult[htrack] X	54	Ahmad 91	angp,mult
2He X	54	Belaga 95D	ang,mass
mult[black] mult[grey] mult[shower] X	54	Khan 95	a-dep,cor,mult
mult[htrack] mult[grey] shower 0fragb X	54	Ahmad 93B	cor,mult
(showers) 2shower X	52.8	Belaga 95F	ang,col,cor
	54	Ahmad 94	col
mult[htrack] 2shower X	54	Ahmad 93D	cor,p
2grey (greys) X	52.8	Belaga 95F	ang,col,cor
mult[htrack] black mult[grey] 0fragb X	54	Ahmad 93B	cor,mult
2black (blacks) X	52.8	Belaga 95F	ang,col,cor
(showers) 3shower X	54	Ahmad 93D	col
mult[htrack] 3shower X	54	Ahmad 93D	cor,p
mult[htrack] (showers) 3shower X	54	Ahmad 93D	col,mult,p
mult[htrack] 4shower X	54	Ahmad 93D	cor,p
28htrack (htracks) 0fragb X	54	Ahmad 93B	cs
28htrack (htracks) shower 0fragb X	54	Ahmad 93B	angp,mult,p
28htrack (htracks) grey 0fragb X	54	Ahmad 93B	angp,mult
28htrack black (htracks) 0fragb X	54	Ahmad 93B	angp,mult
28htrack (htracks) 2shower 0fragb X	54	Ahmad 93B	col,cor
28htrack (htracks) 3shower 0fragb X	54	Ahmad 93B	col,cor
28htrack (htracks) 4shower 0fragb X	54	Ahmad 93B	col,cor
nucleus 3He	49.14	Belaga 95	ang,cs,p,pt

^{12}C C

mult[charged] X	54	Afanasyev 93C	mult
π^- X	50.4	Bekmirzaev 93	p,pt
		Backovic 92	a-dep,p,pt
	54	Afanasyev 93C	p
p X	50.4	Bekmirzaev 94	angp,mult,p,pt
$\bar{p}$ X	53.83	Baldin 95	a-dep,angp
^{4}He X	50.4	Bondarenko 94	pt
(p's) ($\pi^\pm$'s) X	50.4	Baatar 91	col,mult,p
π^- mult[charged] X	54	Afanasyev 93C	cor,mult,p
π^+ π^- X	50.4	Pluta 93	cor,mass
C 3^{4}He	50.4	Bondarenko 94	ang,cs,pt

^{12}C ^{12}C

mult[charged] (neutrals)	50.4	Angelov 91	col,mult
mult[frag] X	3.898 – 6.712	Llope 95	col,mult
π^0 X	54	Abraamyan 91	pt
2γ X	54	Abraamyan 91	mass
^{12}Nit ^{12}Bor	6.233	Ichihara 94	angp

^{12}C Al

$\pi^\pm$ charged X	53.22	Adyasevich 94B	angp,cor
2p X	53.22	Adyasevich 94	angp,cor
2deuteron X	53.22	Adyasevich 94	angp,cor
2^{3}H X	53.22	Adyasevich 94	angp,cor
$\pi^\pm$ charged mult[charged] X	53.22	Adyasevich 94B	angp,cor,mult

^{12}C ^{58}Ni

2p X	3.584	Xi 93	cor
deuteron p X	3.584	Xi 93	cor
2deuteron X	3.584	Xi 93	cor
2^{3}H X	3.584	Xi 93	cor
^{3}He deuteron X	3.584	Xi 93	cor
^{4}He p X	3.584	Xi 93	cor
^{4}He deuteron X	3.584	Xi 93	cor
2^{4}He X	3.584	Xi 93	cor

^{12}C Cu

mult[charged] X	54	Sarkisyan 95	col,cor,mult,p,pt
		Sarkisyan 93C	col
$\bar{p}$ X	53.83	Baldin 95	a-dep,angp
$\pi^\pm$ charged X	53.22	Adyasevich 94B	angp,cor
2p X	53.22	Adyasevich 94	angp,cor
2deuteron X	53.22	Adyasevich 94	angp,cor
2^{3}H X	53.22	Adyasevich 94	angp,cor

^{12}C Yt

fragt X	53.83	Fedorets 94	cs

^{12}C Ag

frag X	2.329	Chen 94B	cs
fragt X	53.83	Fedorets 94	cs

^{12}C ^{115}In

^{48}Va X	3.395	Li 92	cs
^{57}Co X	3.395	Li 92	cs
^{67}Ga X	3.395	Li 92	cs
^{72}As X	3.395	Li 92	cs
^{73}Se X	3.395	Li 92	cs
^{75}Se X	3.395	Li 92	cs
^{76}Br X	3.395	Li 92	cs
^{81}Rb X	3.395	Li 92	cs
^{82}Rb X	3.395	Li 92	cs
^{83}Rb X	3.395	Li 92	cs
^{84}Rb X	3.395	Li 92	cs
^{83}Sr X	3.395	Li 92	cs
^{85}Sr X	3.395	Li 92	cs
^{84}Yt X	3.395	Li 92	cs
^{86}Yt X	3.395	Li 92	cs
^{89}Zr X	3.395	Li 92	cs
^{90}Nb X	3.395	Li 92	cs
^{92}Nb X	3.395	Li 92	cs
^{90}Mo X	3.395	Li 92	cs
^{93}Mo X	3.395	Li 92	cs
^{93}Tc X	3.395	Li 92	cs
^{94}Tc X	3.395	Li 92	cs
^{95}Tc X	3.395	Li 92	cs
^{96}Tc X	3.395	Li 92	cs
^{94}Ru X	3.395	Li 92	cs
^{95}Ru X	3.395	Li 92	cs
^{97}Ru X	3.395	Li 92	cs
^{103}Ru X	3.395	Li 92	cs
^{97}Rh X	3.395	Li 92	cs

^{12}C ^{115}In

^{99}Rh X		
3.395	Li 92	cs
^{100}Rh X		
3.395	Li 92	cs
^{101}Rh X		
3.395	Li 92	cs
^{105}Rh X		
3.395	Li 92	cs
^{106}Rh X		
3.395	Li 92	cs
^{100}Pd X		
3.395	Li 92	cs
^{100}Ag X		
3.395	Li 92	cs
^{101}Ag X		
3.395	Li 92	cs
^{102}Ag X		
3.395	Li 92	cs
^{103}Ag X		
3.395	Li 92	cs
^{104}Ag X		
3.395	Li 92	cs
^{105}Ag X		
3.395	Li 92	cs
^{106}Ag X		
3.395	Li 92	cs
^{110}Ag X		
3.395	Li 92	cs
^{111}Ag X		
3.395	Li 92	cs
^{104}Cd X		
3.395	Li 92	cs
^{111}Cd X		
3.395	Li 92	cs
^{115}Cd X		
3.395	Li 92	cs
^{108}In X		
3.395	Li 92	cs
^{109}In X		
3.395	Li 92	cs
^{110}In X		
3.395	Li 92	cs
^{111}In X		
3.395	Li 92	cs
^{112}In X		
3.395	Li 92	cs
^{113}In X		
3.395	Li 92	cs
^{114}In X		
3.395	Li 92	cs
^{116}In X		
3.395	Li 92	cs
^{113}Sn X		
3.395	Li 92	cs
^{117}Sn X		
3.395	Li 92	cs
^{115}Sb X		
3.395	Li 92	cs
^{116}Sb X		
3.395	Li 92	cs
^{117}Sb X		
3.395	Li 92	cs
2p X		
3.584	Xi 93	cor

^{12}C Sn

^{99}Rh X		
43.8	Kozma 91B	cs
^{110}In X		
43.8	Kozma 91B	cs

^{12}C Ta

π^- X		
50.4	Bekmirzaev 94B	angp,mult,p,pt

^{12}C Ta

π^- X		
	Backovic 92	a-dep,p,pt
^{4}He X		
50.4	Bondarenko 94	pt
π^+ π^- X		
50.4	Pluta 93	cor,mass
Ta 3^{4}He		
50.4	Bondarenko 94	ang,cs,pt

^{12}C ^{197}Au

2p X		
3.584	Xi 93	cor

^{12}C Pb

mult[charged] X		
54	Afanasyev 93C	mult
π^- X		
54	Afanasyev 93C	p
$\bar{p}$ X		
53.83	Baldin 95	a-dep,angp
mult[htrack] shower X		
54	Bobodjanov 91	mult
mult[htrack] grey X		
54	Bobodjanov 91	mult
mult[htrack] black X		
54	Bobodjanov 91	mult
π^- mult[charged] X		
54	Afanasyev 93C	cor,mult,p
$\pi^\pm$ charged X		
53.22	Adyasevich 94B	angp,cor
2p X		
53.22	Adyasevich 94	angp,cor
2deuteron X		
53.22	Adyasevich 94	angp,cor
2^{3}H X		
53.22	Adyasevich 94	angp,cor
(showers) 2shower X		
54	Elnaghy 94	col
$\pi^\pm$ charged mult[charged] X		
53.22	Adyasevich 94B	angp,cor,mult
2grey (greys) (showers) 2shower X		
54	Elnaghy 94	col

^{12}C ^{208}Pb

mult[fragt] X		
53.83	Grabez 93	a-dep,ang,cs,mult

^{13}C C

inelastic		
3.252	Fukuda 91	cs

^{13}C Al

inelastic		
3.252	Fukuda 91	cs

^{13}Nit p

^{14}O γ		
0.4457 – 0.8313	Decrock 93	cs

Nit nucleus

2He X		
26.35	Belaga 95D	ang,mass

^{14}Nit nucleus

inelastic		
< 2813	Baroni 91	cs

^{14}Nit nucleus

π^0 X		
3.608	Batkin 91	angp,cs,p
(showers) 2shower X		
40.6	Belaga 95F	ang,col,cor
2grey (greys) X		
40.6	Belaga 95F	ang,col,cor
2black (blacks) X		
40.6	Belaga 95F	ang,col,cor

^{14}Nit C

π^- X		
3.912 – 7.271	Suzuki 91	angp,p

^{14}Nit Cu

frag X		
2.851	Sosin 94	angp,p

^{14}Nit Ag

frag X		
2.851	Sosin 94	angp,p

^{14}Nit ^{159}Tb

frag X		
2.851	Sosin 94	angp,p

^{17}Nit Be

inelastic		
23.8	Ozawa 94	cs

^{17}Nit C

inelastic		
22.98 – 23.5	Ozawa 94	cs

^{17}Nit Al

inelastic		
23.39	Ozawa 94	cs

O p

2fragb (fragbs) X		
50	Gaitinov 94	cs,mass

O nucleus

mult[charged] X		
63.89	Gulamov 95	cor,mult,p
shower X		
254.5	Gulyamov 92	mult
974.8 – 3215	Gulyamov 92	mult
γ X		
3215	Raha 91	a-dep,et,pt
π^0 X		
3215	Raha 91	a-dep,et,pt
K^0 X		
66.04 – 72.59	Okonov 94	angp,mult,p,pt
Λ X		
66.04 – 72.59	Okonov 94	angp,mult,p,pt

O C

X		
974.8 – 3215	Albrecht 91Q	pt

O Ne

mult[charged+] mult[charged−] X		
72	Besliu 93	angp,mult
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

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^{16}O nucleus

mult[He] shower X		
3215	Baroni 91	cs,mult
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
959.9 – 3200	Adamovich 91C	mult
974.8 – 3215	Adamovich 92C	mult,p
	Adamovich 92D	mult,p
	Jain 92E	mult,p
3215	Baroni 91	cs,mult
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
	Adamovich 92F	cor,p
grey mult[fragb] X		
233.1	Adamovich 91C	angp,mult
959.9 – 3200	Adamovich 91C	angp,mult
grey mult[shower] X		
233.1	Adamovich 91C	mult
959.9 – 3200	Adamovich 91C	mult
grey mult[grey] X		
974.8 – 3215	Jain 91	angp,cor,mult
mult[He] htrack X		
3215	Baroni 91	cs,mult
htrack mult[fragb] X		
3215	Baroni 91	cs,mult
black mult[fragb] X		
233.1	Adamovich 91C	angp,mult
959.9 – 3200	Adamovich 91C	angp,mult
black mult[shower] X		
233.1	Adamovich 91C	mult
959.9 – 3200	Adamovich 91C	mult
black mult[black] X		
974.8 – 3215	Jain 91	angp,cor,mult
2p X		
3200	Albrecht 94E	a-dep,cor
nucleus mult[^{4}He] X		
3215	Singh 92B	mult
fragb (fragbs) X		
46.16	Ghosh 94D	col,p,pt
mult[shower] fragb X		
248.1	Adamovich 92F	mult,p
974.8 – 3215	Adamovich 92F	mult,p
fragb X mult[heavy]		
54	Yasinelbakry 95	a-dep,cs,mult
shower fragb X		
72.59	Adamovich 92F	mult,p
248.1	Adamovich 92F	mult,p
974.8 – 3215	Adamovich 92F	mult,p
nucleus fragb X		
3215	Singh 92B	cs,mass
^{12}C ^{4}He X		
233.6	Bahk 91	angp,cs
960	Bahk 91	angp,cs
3200	Bahk 91	angp,cs
^{15}Nit p X		
233.6	Bahk 91	angp,cs
960	Bahk 91	angp,cs
3200	Bahk 91	angp,cs
mult[grey] shower mult[shower] X		
974.8 – 3215	Jain 91B	cor,mult,p

^{16}O nucleus

(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
	Sengupta 93	col,mult,p
	Adamovich 92F	col,p
3215	Dabrowska 95B	angp,col,p
(showers) 2shower 0fragb X		
248.1	Sengupta 93	col,mult,p
974.8 – 3215	Sengupta 93	col,mult,p
3shower X		
974.8 – 3215	Mukhopadhyay 95	angp,cor,p
2black (blacks) X		
46.16	Ghosh 94E	angp,col
^{9}Be ^{4}He ^{3}He X		
3200	Bahk 91	angp,cs
^{10}Bor ^{4}He deuteron X		
233.6	Bahk 91	angp,cs
960	Bahk 91	angp,cs
3200	Bahk 91	angp,cs
C 2deuteron X		
233.6	Bahk 91	angp,cs
3200	Bahk 91	angp,cs
(showers) 2shower mult[fragb] X		
233.1	Adamovich 93F	col,mult,p
959.9 – 3200	Adamovich 93F	col,mult,p
4^{4}He X		
233.6	Bahk 91	angp,cs
960	Bahk 91	angp,cs
3200	Bahk 91	angp,cs
Li 2^{4}He p X		
960	Bahk 91	angp,cs
3200	Bahk 91	angp,cs
Be ^{4}He 2deuteron X		
3200	Bahk 91	angp,cs
Nit p 2π X		
3200	Bahk 91	angp,cs
3^{4}He 2deuteron X		
233.6	Bahk 91	angp,cs
960	Bahk 91	angp,cs
3200	Bahk 91	angp,cs
Li ^{4}He 2deuteron p X		
233.6	Bahk 91	angp,cs
C 2deuteron 2π X		
3200	Bahk 91	angp,cs
2^{4}He 4deuteron X		
233.6	Bahk 91	angp,cs
3200	Bahk 91	angp,cs
Li 4deuteron p X		
3200	Bahk 91	angp,cs
^{4}He 6deuteron X		
233.6	Bahk 91	angp,cs
960	Bahk 91	angp,cs
3200	Bahk 91	angp,cs
3^{4}He 2deuteron 2π X		
960	Bahk 91	angp,cs
3200	Bahk 91	angp,cs
Li ^{4}He 3deuteron 2π X		
3200	Bahk 91	angp,cs
(showers) 8shower X		
46.16	Ghosh 93E	angp,col,p
(showers) 12shower X		
46.16	Ghosh 93E	angp,col,p
12grey (greys) X		
72.59	Andreeva 95B	cs
15htrack (htracks) mult[shower] X		
72	Sherif 95	cs,mult
28htrack (htracks) X		
72.59	Andreeva 95B	cs

^{16}O nucleus

nucleus C He		
3215	Baroni 92	angp,cs,p
nucleus ^{12}C ^{4}He		
3215	Singh 92B	cs
nucleus Nit p		
3215	Baroni 92	angp,cs,p
nucleus ^{15}Nit p		
3215	Singh 92B	cs
nucleus ^{8}Be ^{7}Li p		
3215	Singh 92B	cs
nucleus ^{11}Bor ^{4}He p		
3215	Singh 92B	cs
nucleus ^{12}C 2deuteron		
3215	Singh 92B	cs
nucleus 4^{4}He		
3215	Singh 92B	cs
nucleus ^{7}Li 2^{4}He p		
3215	Singh 92B	cs
nucleus ^{8}Be ^{4}He 2deuteron		
3215	Singh 92B	cs
nucleus 3^{4}He 2deuteron		
3215	Singh 92B	cs
nucleus ^{7}Li ^{4}He 2deuteron p		
3215	Singh 92B	cs
nucleus 2^{4}He 4deuteron		
3215	Singh 92B	cs
nucleus ^{7}Li 4deuteron p		
3215	Singh 92B	cs
nucleus ^{4}He 6deuteron		
3215	Singh 92B	cs

^{16}O ^{7}Li

π^+ X		
5.663	Perrin 92	p
π^- X		
5.663	Perrin 92	p

^{16}O Be

^{15}Nit* p X		
46.16	Olson 91	p

^{16}O C

γ X		
3215	Albrecht 91O	cs
	Odyniec 91B	p,pt
π^0 X		
3215	Albrecht 91O	cs
fragb X		
25.23 – 70.95	Hirzebruch 92	cs
71.77	Sampsonidis 95	cs
230.4	Hirzebruch 92	cs
fragt X		
974.8 – 3215	Albrecht 93H	a-dep,angp,et,p
^{11}C X		
232	Cumming 93B	cs
C X		
25.23 – 70.95	Hirzebruch 92	cs
230.4	Hirzebruch 92	cs
Nit X		
25.23 – 70.95	Hirzebruch 92	cs
230.4	Hirzebruch 92	cs
2π^+ X		
3200	Albrecht 92L	cor,p,pt
	Albrecht 91H	cor
2p X		
3215	Awes 95	angp,cor

^{16}O ^{12}C

π^+ X		
5.663	Perrin 92	p
π^- X		
5.663	Perrin 92	p

^{16}O ^{24}Mg

π^0 X	3.405 – 4.002	Waters 93	angp,cs,p
2γ X	3.405 – 4.002	Waters 93	mass

^{16}O Al

0fragb X	3200	Bachler 91B	et,p
X	3200	Bachler 91B	et,p
mult[charged] X	3200	Bachler 91B	et,p
0fragb mult[charged] (neutrals)	233.6	Abbott 94B	col,mult
mult[neutral] X	3200	Bachler 91B	et,p
0fragb charged X	233.6	Abbott 94B	p
fragb X	49.51 – 70.95	Hirzebruch 92	cs
	71.77	Sampsonidis 95	cs
	230.4	Hirzebruch 92	cs
C 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
^{18}Fl X	232	Cumming 93B	cs
^{24}Na X	232	Cumming 93B	cs
$2\pi^+$ X	3215	Kampert 92	cor,p
$2p$ X	3215	Kampert 92	cor,p

^{16}O ^{27}Al

π^+ X	5.663	Perrin 92	p
π^0 X	6.89	Moisan 92	angp,p,pt
π^- X	5.663	Perrin 92	p

^{16}O ^{58}Ni

π^0 X	6.89	Moisan 92	angp,p,pt

^{16}O Cu

0fragb X	960 – 3200	Bachler 91B	et,p
X	960 – 3200	Bachler 91B	et,p
mult[charged] X	232	Tannenbaum 94	mult
	233.6	Abbott 95	col,mult,p
	960 – 3200	Bachler 91B	et,p
0fragb mult[charged] (neutrals)	233.6	Abbott 94B	col,mult
mult[neutral] X	960 – 3200	Bachler 91B	et,p
0fragb charged X	233.6	Abbott 94B	p
$J/\psi(1S)$ X	3200	Baglin 92B	cs,pt
		Baglin 91E	a-dep,cs
	3215	Baglin 91B	pt
		Baglin 91C	pt
		Jacob 91	et,mass,pt
		Odyniec 91B	et,mult
anomalon X	232	Cecchini 93	cs

^{16}O Cu

fragb X	49.51 – 70.95	Hirzebruch 92	cs
	71.77	Sampsonidis 95	cs
	230.4	Hirzebruch 92	cs
	232	Cecchini 93	cs
fragt X	974.8 – 3215	Albrecht 93H	a-dep,angp,et,p
C 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
^{24}Na X	232	Cumming 93	angp,cs,p,pt
		Cumming 93B	cs
^{28}Mg X	232	Cumming 93	angp,cs,p,pt
^{44}Sc X	232	Cumming 93	angp,cs,p,pt
^{48}Va X	232	Cumming 93	angp,cs,p,pt
^{52}Mn X	232	Cumming 93	angp,cs,p,pt
^{58}Co X	232	Cumming 93	angp,cs,p,pt
μ^- μ^+ X	3200	Baglin 92B	cs,pt
	3215	Baglin 91B	pt
		Baglin 91C	pt
		Jacob 91	et,mass,pt
2charged X	233.6	Abbott 95	cor
$2\pi^+$ X	3200	Albrecht 92L	cor,p,pt
		Albrecht 91H	cor
	3215	Kampert 92	cor,p
$J/\psi(1S)$ (neutrals) X	3200	Baglin 92B	cor,cs,et,pt
		Baglin 91E	cor,et
	3215	Baglin 91B	cor,et,pt
		Baglin 91C	cor,et,pt
$2p$ X	3215	Awes 95	angp,cor
		Kampert 92	cor,p
^{15}Nit* p X	46.16	Olson 91	p
μ^- μ^+ (neutrals) X	3200	Baglin 92B	pt
	3215	Baglin 91B	cor,et,pt
		Baglin 91C	cor,et,pt

^{16}O ^{108}Ag

π^+ X	5.663	Perrin 92	p
π^- X	5.663	Perrin 92	p

^{16}O Ag

0fragb X	960 – 3200	Bachler 91B	et,p
X	960 – 3200	Bachler 91B	et,p
mult[charged] X	960 – 3200	Bachler 91B	et,p
mult[neutral] X	960 – 3200	Bachler 91B	et,p

^{16}O Ag

fragb X	49.51 – 70.95	Hirzebruch 92	cs
	71.77	Sampsonidis 95	cs
	230.4	Hirzebruch 92	cs
fragt X	974.8 – 3215	Albrecht 93H	a-dep,angp,et,p
C 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
^{22}Na X	233.6	Bronikowski 91	cs,mass
^{24}Na X	233.6	Bronikowski 91	cs,mass
^{28}Mg X	233.6	Bronikowski 91	cs,mass
^{39}Cl X	233.6	Bronikowski 91	cs,mass
^{43}KK X	233.6	Bronikowski 91	cs,mass
^{47}Ca X	233.6	Bronikowski 91	cs,mass
^{43}Sc X	233.6	Bronikowski 91	cs,mass
^{44}Sc X	233.6	Bronikowski 91	cs,mass
^{46}Sc X	233.6	Bronikowski 91	cs,mass
^{48}Sc X	233.6	Bronikowski 91	cs,mass
^{48}Va X	233.6	Bronikowski 91	cs,mass
^{52}Mn X	233.6	Bronikowski 91	cs,mass
^{54}Mn X	233.6	Bronikowski 91	cs,mass
^{59}Fe X	233.6	Bronikowski 91	cs,mass
^{56}Co X	233.6	Bronikowski 91	cs,mass
^{57}Co X	233.6	Bronikowski 91	cs,mass
^{58}Co X	233.6	Bronikowski 91	cs,mass
^{65}Zn X	233.6	Bronikowski 91	cs,mass
^{67}Ga X	233.6	Bronikowski 91	cs,mass
^{67}Ge X	233.6	Bronikowski 91	cs,mass
^{69}Ge X	233.6	Bronikowski 91	cs,mass
^{71}As X	233.6	Bronikowski 91	cs,mass
^{72}As X	233.6	Bronikowski 91	cs,mass
^{74}As X	233.6	Bronikowski 91	cs,mass
^{72}Se X	233.6	Bronikowski 91	cs,mass
^{73}Se X	233.6	Bronikowski 91	cs,mass
^{75}Se X	233.6	Bronikowski 91	cs,mass
^{75}Br X	233.6	Bronikowski 91	cs,mass
^{76}Br X	233.6	Bronikowski 91	cs,mass
^{77}Br X	233.6	Bronikowski 91	cs,mass
^{76}Kr X	233.6	Bronikowski 91	cs,mass

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^{16}O Ag

^{77}Kr X		
233.6	Bronikowski 91	cs,mass
^{79}Kr X		
233.6	Bronikowski 91	cs,mass
^{81}Rb X		
233.6	Bronikowski 91	cs,mass
^{82}Rb X		
233.6	Bronikowski 91	cs,mass
^{83}Rb X		
233.6	Bronikowski 91	cs,mass
^{84}Rb X		
233.6	Bronikowski 91	cs,mass
^{86}Rb X		
233.6	Bronikowski 91	cs,mass
^{81}Sr X		
233.6	Bronikowski 91	cs,mass
^{83}Sr X		
233.6	Bronikowski 91	cs,mass
^{85}Sr X		
233.6	Bronikowski 91	cs,mass
^{84}Yt X		
233.6	Bronikowski 91	cs,mass
^{85}Yt X		
233.6	Bronikowski 91	cs,mass
^{86}Yt X		
233.6	Bronikowski 91	cs,mass
^{87}Yt X		
233.6	Bronikowski 91	cs,mass
^{88}Yt X		
233.6	Bronikowski 91	cs,mass
^{86}Zr X		
233.6	Bronikowski 91	cs,mass
^{88}Zr X		
233.6	Bronikowski 91	cs,mass
^{89}Zr X		
233.6	Bronikowski 91	cs,mass
^{89}Nb X		
233.6	Bronikowski 91	cs,mass
^{90}Nb X		
233.6	Bronikowski 91	cs,mass
^{92}Nb X		
233.6	Bronikowski 91	cs,mass
^{95}Nb X		
233.6	Bronikowski 91	cs,mass
^{96}Nb X		
233.6	Bronikowski 91	cs,mass
^{90}Mo X		
233.6	Bronikowski 91	cs,mass
^{93}Mo X		
233.6	Bronikowski 91	cs,mass
^{99}Mo X		
233.6	Bronikowski 91	cs,mass
^{93}Tc X		
233.6	Bronikowski 91	cs,mass
^{94}Tc X		
233.6	Bronikowski 91	cs,mass
^{95}Tc X		
233.6	Bronikowski 91	cs,mass
^{96}Tc X		
233.6	Bronikowski 91	cs,mass
^{94}Ru X		
233.6	Bronikowski 91	cs,mass
^{95}Ru X		
233.6	Bronikowski 91	cs,mass
^{97}Ru X		
233.6	Bronikowski 91	cs,mass
^{103}Ru X		
233.6	Bronikowski 91	cs,mass
^{97}Rh X		
233.6	Bronikowski 91	cs,mass
^{98}Rh X		
233.6	Bronikowski 91	cs,mass
^{99}Rh X		
233.6	Bronikowski 91	cs,mass

^{16}O Ag

^{100}Rh X		
233.6	Bronikowski 91	cs,mass
^{101}Rh X		
233.6	Bronikowski 91	cs,mass
^{102}Rh X		
233.6	Bronikowski 91	cs,mass
^{105}Rh X		
233.6	Bronikowski 91	cs,mass
^{106}Rh X		
233.6	Bronikowski 91	cs,mass
^{98}Pd X		
233.6	Bronikowski 91	cs,mass
^{99}Pd X		
233.6	Bronikowski 91	cs,mass
^{100}Pd X		
233.6	Bronikowski 91	cs,mass
^{101}Pd X		
233.6	Bronikowski 91	cs,mass
^{103}Ag X		
233.6	Bronikowski 91	cs,mass
^{104}Ag X		
233.6	Bronikowski 91	cs,mass
^{105}Ag X		
233.6	Bronikowski 91	cs,mass
^{106}Ag X		
233.6	Bronikowski 91	cs,mass
^{110}Ag X		
233.6	Bronikowski 91	cs,mass
$2\pi^+$ X		
3200	Albrecht 92L	cor,p,pt
	Albrecht 91H	cor
3215	Kampert 92	cor,p
$2p$ X		
3215	Awes 95	angp,cor
	Kampert 92	cor,p
(showers) 2shower X		
3215	Adamovich 93E	col

^{16}O Wt

charged X		
3215	Schukraft 91	cor,et,p
charged$^-$ X		
3215	Schukraft 91	p,pt
hadron X		
3200	Akesson 90E	et,p
γ X		
3215	Tserruya 95	cs,et,pt
	Schukraft 91	cs,et,pt
π^0 X		
3215	Tserruya 95	cs,et,pt
	Schukraft 91	cs,et,pt
p (hadrons) X		
3215	Akesson 91	cor,et,p,pt

^{16}O Au

0fragb X		
960 – 3200	Bachler 91B	et,p
X		
960 – 3200	Bachler 91B	et,p
mult[charged] X		
960 – 3200	Bachler 91B	et,p
mult[charged$^-$] X		
3200	Schmitz 91	angp,col,p
mult[neutral] X		
960 – 3200	Bachler 91B	et,p
hadron X		
974.8 – 3215	Odyniec 91B	et
γ X		
974.8 – 3215	Odyniec 91B	p,pt
3215	Albrecht 91	pt
	Albrecht 91O	cs
$\pi^\pm$ X		
974.8	Odyniec 91	pt

^{16}O Au

π^0 X		
3215	Albrecht 91	pt
	Albrecht 91O	cs
π^- X		
960	Baechler 91C	p
3215	Odyniec 91B	pt
$K^\pm$ X		
974.8	Odyniec 91	pt
K_S X		
974.8	Odyniec 91	pt
3215	Odyniec 91B	pt
p X		
960	Baechler 91C	p
3215	Odyniec 91B	pt
Λ X		
974.8	Odyniec 91	pt
3215	Odyniec 91B	pt
fragt X		
974.8 – 3215	Albrecht 93H	a-dep,angp,et,p
hadron mult[charged] X		
3215	Eklund 92	cor,mult,p
hadron charged X		
3215	Eklund 92	cor,et,p
2γ X		
3215	Albrecht 91	mass,p,pt
$2\pi^+$ X		
3200	Albrecht 92L	cor,p,pt
	Albrecht 91H	cor
3215	Kampert 92	cor,p
$2\pi^-$ X		
974.8 – 3215	Odyniec 91B	cor
	Schukraft 91	angp,cor
$2p$ X		
3215	Awes 95	angp,cor
	Kampert 92	cor,p
mult[p] $2\pi^+$ X		
3215	Kampert 92	cor,mult,p

^{16}O ^{197}Au

π^+ X		
5.663	Perrin 92	p
π^- X		
5.663	Perrin 92	p
p X		
10.28	Gaff 95	p
$2p$ X		
10.28	Gaff 95	angp,cor

^{16}O Pb

$J/\psi(1S)$ X		
3215	Schukraft 91	cs,et
fragb X		
25.23 – 70.95	Hirzebruch 92	cs
71.77	Sampsonidis 95	cs
230.4	Hirzebruch 92	cs
C X		
25.23 – 70.95	Hirzebruch 92	cs
230.4	Hirzebruch 92	cs
Nit X		
25.23 – 70.95	Hirzebruch 92	cs
230.4	Hirzebruch 92	cs
$2\mu^-$ X + $2\mu^+$ X		
3200	Baglin 91	mass
μ^- μ^+ X		
3200	Baglin 91	mass
3215	Schukraft 91	et,mass
$J/\psi(1S)$ (neutrals) X		
3200	Baglin 91	cor,cs,et
μ^- μ^+ (neutrals) X		
3200	Baglin 91	cor,cs,et

^{16}O ^{207}Pb

π^0 X
6.89 Moisan 92 angp,p,pt

^{16}O U

π^+ X
3215 Abreu 92M pt
π^- X
3215 Abreu 92M pt
ω X + ρ^0 X
3200 Baglin 91D a-dep
3215 Odyniec 91 et,mult
Odyniec 91B et,mult
Schukraft 91 et,mult
K^+ X
3215 Abreu 92M pt
K^- X
3215 Abreu 92M pt
$\phi(1020)$ X
3200 Baglin 91D a-dep
3215 Odyniec 91 et,mult
Odyniec 91B et,mult
Schukraft 91 et,mult
$J/\psi(1S)$ X
3200 Baglin 92B cs,pt
Baglin 91E a-dep,cs
3215 Baglin 91B pt
Baglin 91C pt
Jacob 91 et,mass,pt
Odyniec 91B et,mult
Schukraft 91 cs,pt
$\mu^- \mu^+$ X
3200 Baglin 92B cs,pt
Baglin 91D mass
3215 Baglin 91B pt
Baglin 91C pt
Jacob 91 et,mass,pt
Odyniec 91 mass
Odyniec 91B et,mass
π^+ (neutrals) X
3215 Abreu 92M et,pt
π^- (neutrals) X
3215 Abreu 92M et,pt
ω (neutrals) X + ρ^0 (neutrals) X
3200 Baglin 91D cs,et
ω (neutrals) X + ρ (neutrals) X
3200 Baglin 92B cor,cs,et
K^+ (neutrals) X
3215 Abreu 92M et,pt
K^- (neutrals) X
3215 Abreu 92M et,pt
$\phi(1020)$ (neutrals) X
3200 Baglin 92B cor,cs,et
Baglin 91D cs,et
$J/\psi(1S)$ (neutrals) X
3200 Baglin 92B cor,cs,et,pt
Abreu 91E et,pt
Baglin 91E cor,et
3215 Baglin 91B cor,et,pt
Baglin 91C cor,et,pt
^{15}Nit* p X
46.16 Olson 91 p
$\mu^- \mu^+$ (neutrals) X
3200 Baglin 92B pt
Abreu 91E et,pt
Baglin 91D cs,et
3215 Baglin 91B cor,et,pt
Baglin 91C cor,et,pt

^{18}O Be

frag$^-$ X
7.975 Suzuki 93D angp

^{17}Fl Be

inelastic
23.18 Ozawa 94 cs

^{17}Fl C

inelastic
21.73 – 22.77 Ozawa 94 cs

^{17}Fl Al

inelastic
22.56 Ozawa 94 cs

^{17}Ne Be

inelastic
22.78 Ozawa 94 cs

^{17}Ne C

inelastic
21 – 22.36 Ozawa 94 cs

^{17}Ne Al

inelastic
22.78 Ozawa 94 cs

Ne p

He X
82 Ameeva 94 a-dep,pt

Ne nucleus

mult[charged] X
79.82 Gulamov 95 cor,mult,p
π^+ X
33.93 Muntz 95 angp,p
K^0 X
82.68 – 90.87 Okonov 94 angp,mult,p,pt
p X
33.93 Muntz 95 angp,p
Λ X
82.68 – 90.87 Okonov 94 angp,mult,p,pt
He X
82 Ameeva 94 a-dep,pt
mult[htrack] shower X
90 Bobodjanov 91 mult
mult[htrack] grey X
90 Bobodjanov 91 mult
mult[htrack] black X
90 Bobodjanov 91 mult
π^+ mult[charged] X
33.93 Muntz 95 angp,mult,p
p mult[charged] X
33.93 Muntz 95 angp,mult,p
$2p$ X
12.8 – 33.93 Dupieux 91 cor
19 Dupieux 91 cor

Ne Fl

π^+ X
19 – 29.28 Poitou 92 col
π^- X
19 – 29.28 Poitou 92 col

Ne Ne

mult[charged$^+$] mult[charged$^-$] X
90 Besliu 93 angp,mult

Ne Na

π^+ X
19 – 29.28 Poitou 92 col
π^- X
19 – 29.28 Poitou 92 col

Ne Al

π^0 X
17.66 Berg 91 p

Ne Cu

mult[charged] X
90 Sarkisyan 93C col

Ne Zr

mult[charged$^+$] mult[charged$^-$] X
90 Besliu 93 angp,mult

Ne Nb

mult[p] X
19 – 29.28 Montarou 93 cs,mult,p,pt
mult[$\bar{p}$] X
19 – 29.28 Montarou 93 cs,mult,p,pt
mult[deuteron] X
19 – 29.28 Montarou 93 cs,mult,p,pt
mult[trit] X
19 – 29.28 Montarou 93 cs,mult,p,pt
mult[He] X
19 – 29.28 Montarou 93 cs,mult,p,pt
π^+ X
19 – 29.28 Poitou 92 col
π^- X
19 – 29.28 Poitou 92 col
p X
19 – 29.28 Montarou 93 cs,mult,p,pt
$\bar{p}$ X
19 – 29.28 Montarou 93 cs,mult,p,pt
deuteron X
19 – 29.28 Montarou 93 cs,mult,p,pt
^{3}H X
19 – 29.28 Montarou 93 cs,mult,p,pt
^{4}He X + ^{3}He X
19 – 29.28 Montarou 93 cs,mult,p,pt
$2p$ X
12.8 – 33.93 Dupieux 91 cor
19 Dupieux 91 cor
He deuteron X
19 Dupieux 91 cor,p

Ne Pb

π^+ X
19 – 29.28 Poitou 92 col
29.28 Poitou 92 col,p,pt
π^- X
19 – 29.28 Poitou 92 col
p X
29.28 Poitou 92 col,p,pt
n X
29.04 Baldwin 92 angp,p,pt
$2p$ X
12.8 – 33.93 Dupieux 91 cor
19 Dupieux 91 cor
He deuteron X
19 Dupieux 91 cor,p
$2\pi^-$ (π^-'s) X
57.81 Zhang 93 col

^{20}Ne p

inelastic
13.54 Dudkin 94 cs
15.49 Bogdanov 93 a-dep,cs
shower X
13.54 Dudkin 94 mult
grey X
13.54 Dudkin 94 mult
black X
13.54 Dudkin 94 mult
fragb X
15.49 Bogdanov 94 mult

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^{20}Ne nucleus

shower X
13.54 Dudkin 94 mult
15.49 Bogdanov 93 a-dep,mult

grey X
13.54 Dudkin 94 mult
15.49 Bogdanov 93 a-dep,mult

black X
13.54 Dudkin 94 mult
15.49 Bogdanov 93 a-dep,mult

π^- X
12.24 – 14.08 Miller 93 angp

fragb X
15.49 Bogdanov 94 mult,pt

π^- mult[charged] X
12.24 – 14.08 Miller 93 mult

^{20}Ne C

inelastic
13.54 Dudkin 94 cs
15.49 Bogdanov 93 a-dep,cs

^{20}Ne Nit

inelastic
13.54 Dudkin 94 cs
15.49 Bogdanov 93 a-dep,cs

^{20}Ne O

inelastic
13.54 Dudkin 94 cs
15.49 Bogdanov 93 a-dep,cs

^{20}Ne Fl

π^- X
54.11 Schroeter 94 p

K^- X
54.11 Schroeter 94 p

$\bar{p}$ X
54.11 Schroeter 94 p

^{20}Ne Na

π^- X
54.11 Schroeter 94 p

K^- X
54.11 Schroeter 94 p

$\bar{p}$ X
54.11 Schroeter 94 p

^{20}Ne ^{27}Al

mult[frag] X
6.496 – 10.39 Llope 95 a-dep,col,mult

^{20}Ne Cu

π^- X
53.48 Schroeter 94 p

K^- X
53.48 Schroeter 94 p

$\bar{p}$ X
53.48 Schroeter 94 p

^{20}Ne Br

inelastic
13.54 Dudkin 94 cs
15.49 Bogdanov 93 a-dep,cs

^{20}Ne Ag

inelastic
13.54 Dudkin 94 cs
15.49 Bogdanov 93 a-dep,cs

^{20}Ne Sn

π^- X
44.7 – 53.27 Schroeter 94 p

^{20}Ne Sn

K^- X
44.7 – 53.27 Schroeter 94 p

$\bar{p}$ X
44.7 – 53.27 Schroeter 94 p

^{20}Ne ^{197}Au

^{194}Au X
49.22 Aumann 94 cs

^{196}Au X
49.22 Aumann 94 cs

^{196}Au ^{20}Ne n
49.22 Aumann 93 cs

^{194}Au ^{20}Ne $3n$
49.22 Aumann 93 cs

^{20}Ne Bi

π^- X
52.84 Schroeter 94 p

K^- X
52.84 Schroeter 94 p

$\bar{p}$ X
52.84 Schroeter 94 p

^{22}Ne p

fragb X
18.98 – 34.54 Chen 94 cs

^{22}Ne nucleus

fragb X
90.2 Bogdanov 91 pt

mult[black] mult[grey] X
90.81 Andreeva 95B cor,mult

$\pi^{\pm}$ mult[htrack] X
90 Ameeva 92 mult,p

p(spect) mult[fragb] X
90.2 Bogdanov 91 mult,pt

p mult[htrack] X
90 Ameeva 92 mult,p

fireball mult[htrack] X
90 Ameeva 92 const

fragb mult[fragb] X
90.2 Bogdanov 91 mult,pt

2He X
90.2 Belaga 95D ang,mass

mult[htrack] 0fragb charged (chargeds) X
90.2 Elnaghy 93 col,mult

2charged (chargeds) X
90.2 Boos 95 col,cor,p

(showers) 2shower X
90.2 Belaga 95F ang,col,cor
Elnaghy 94 col

2grey (greys) X
90.2 Belaga 95F ang,col,cor

2black (blacks) X
90.2 Belaga 95F ang,col,cor

5charged (chargeds) X
90.2 Zhumanov 94 angp,col,cor,p

2grey (greys) (showers) 2shower X
90.2 Elnaghy 94 col

12grey (greys) X
90.81 Andreeva 95B cs

28htrack (htracks) X
90.2 Andreeva 92 cs
90.81 Andreeva 95B cs

28htrack (htracks) mult[shower] X
90.2 Andreeva 92 mult

28htrack (htracks) mult[grey] X
90.2 Andreeva 92 mult

^{22}Ne nucleus

28htrack mult[black] (htracks) X
90.2 Andreeva 92 mult

28htrack (htracks) shower X
90.2 Andreeva 92 mult,p

28htrack (htracks) grey X
90.2 Andreeva 92 mult,p

28htrack black (htracks) X
90.2 Andreeva 92 mult,p

Na C

inelastic
36.49 Suzuki 95 cs

^{24}Mg nucleus

mult[charged] X
108 Ghosh 93C mult,p

mult[charged] (neutrals)
108 Ghosh 91 cor,mult,p

mult[shower] X
108 Ghosh 93D mult,p

charged X
108 Ghosh 91 mult,p

fragb X
108 Elnadi 95E a-dep,mult
Ghosh 94D pt
Bondarenko 92 a-dep,mult,pt

^{4}He X
108 Bondarenko 91 a-dep,mult,pt

mult[htrack] shower X
108 Elsharkawy 93 mult

shower X heavy
108 Elnadi 95E a-dep,mult

2shower X
108 Elnaghy 94 cor,p

fragb (fragbs) X
108 Bondarenko 92 col,cor
128.4 Ghosh 94D col,p,pt

2fragb X
108 Bondarenko 91 ang,cor

2He X
108 Belaga 95D ang,mass

(showers) 2shower X
108 Elnaghy 94 col
Ghosh 94B ang,col

2grey (greys) X
108 Elnaghy 94 col
Ghosh 94B ang,col

2black (blacks) X
108 Elnaghy 94 col
Ghosh 94B ang,col

grey (greys) (showers) shower X
108 Ghosh 94B ang,col

black (blacks) (showers) shower X
108 Ghosh 94B ang,col

black (blacks) grey (greys) X
108 Ghosh 94B ang,col

(showers) shower fragb (fragbs) X
108 Ghosh 94B ang,col

grey (greys) fragb (fragbs) X
108 Ghosh 94B ang,col

^{24}Mg C

fragb X
107.7 Sampsonidis 95 cs

^{24}Mg Al

fragb X
107.7 Sampsonidis 95 cs

^{24}Mg Cu

fragb X	107.7	Sampsonidis 95	cs

^{24}Mg Ag

fragb X	107.7	Sampsonidis 95	cs

^{24}Mg Pb

fragb X	107.7	Sampsonidis 95	cs
(showers) 2shower X	108	Elnaghy 94	col
2grey (greys) (showers) 2shower X	108	Elnaghy 94	col

Mg p

He X	108	Ameeva 94	a-dep,pt

Mg nucleus

mult[shower] X	108	Elnadi 92	mult
shower X	108	Elnadi 92	mult
htrack X	108	Elnadi 92	mult
K^0 X	99.29 – 109.1	Okonov 94	angp,mult,p,pt
Λ X	99.29 – 109.1	Okonov 94	angp,mult,p,pt
fragb X	108	Elnadi 92	mult
He X	108	Ameeva 94	a-dep,pt

Mg Mg

π^- 0fragb X	108	Chkhaidze 92	p,pt
0n π^- 0fragb X	108	Chkhaidze 95	angp,mult,p
Λ X	103.2	Avramenko 91B	angp,p,pt
2π^- X	105.6	Anikina 95	cor,p
2π^- (π^-'s) X	108	Gridnev 93	angp,cor,p
2Λ 2π (π's) X	103.2	Avramenko 91B	angp,p,pt

Mg Pb

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}Mg p

fragb X	22.43 – 40.82	Chen 94	cs

Si p

He X	126	Ameeva 94	a-dep,pt

Si nucleus

mult[charged] X	407	Adamovich 90B	mult,p
mult[charged] (neutrals)	407	Buschbeck 91	angp,col,mult,p
mult[$\pi^\pm$] X	126	Tauseef 92	angp,mult
mult[p] X	126	Tauseef 92	angp,mult
mult[shower] X	126	Tauseef 92	angp,mult
mult[grey] X	126	Tauseef 92	angp,mult
shower X	445.4	Gulyamov 92	p
He X	126	Ameeva 94	a-dep,pt
mult[$\pi^\pm$] mult[htrack] X	126	Tauseef 92	angp,cor,mult
mult[p] mult[htrack] X	126	Tauseef 92	angp,cor,mult
mult[$\pi^\pm$] mult[black] X	126	Tauseef 92	angp,cor,mult
mult[p] mult[black] X	126	Tauseef 92	angp,cor,mult

Si Al

X	408.8	Barrette 94	pt
		Barrette 93B	et,p
charged X	408.8	Stocker 95	pt
hadron X	408.8	Ahle 94	cs,et,p
$\pi^\pm$ X	408.8	Cole 92	pt
π^+ X	408.8	Stocker 95	p,pt
		Abbott 94	p
		Gonin 94	pt
		Hamagaki 94	p
π^- X	408.8	Stocker 95	p,pt
		Abbott 94	p
		Gonin 94	pt
		Hamagaki 94	p
		Abbott 91	p,pt
K^+ X	408.8	Stocker 95	p,pt
		Abbott 94	p
		Gonin 94	mult,p
		Hamagaki 94	p
		Kaufman 94C	p,pt
		Cole 92	pt
K^- X	408.8	Stocker 95	p,pt
		Abbott 94	p
		Hamagaki 94	p
		Kaufman 94C	p,pt
		Cole 92	pt
		Abbott 91	p,pt
p X	408.8	Stocker 95	p,pt
		Abbott 94	p
		Gonin 94	p,pt
		Hamagaki 94	p
		Barrette 93C	angp
		Cole 92	pt
		Kaufman 92B	angp,p
$\bar{p}$ X	408.8	Stocker 95	p
		Hayano 94	p
		Barrette 93	angp
		Abbott 91	p,pt
deuteron X + p X	408.8	Stocker 95	p
deuteron X	408.8	Stocker 95	p
		Abbott 94	p
^{3}H X	408.8	Stocker 95	cs
^{3}He X	408.8	Stocker 95	cs
2π^+ X	408.8	Stocker 95	cor
		Kaufman 94	cor
p mult[charged] X	408.8	Lissauer 94C	mult,p,pt
		Barrette 93C	angp,mult,p,pt
2p X	408.8	Stocker 95	cor
		Kaufman 94	cor
$\bar{p}$ fragb X	408.8	Barrette 93	cor,mult,p
deuteron mult[charged] X	408.8	Lissauer 94C	mult,p,pt

Si Si

π^- X	408.8	Eiseman 93	p,pt
K_S X	408.8	Stocker 95	p,pt
		Eiseman 93	p,pt
		Longacre 93	p,pt
		Eiseman 92B	p
Λ X	408.8	Stocker 95	p,pt
		Eiseman 93	p,pt
		Longacre 93	p,pt
		Eiseman 92B	p
X strangelet	408.8	Stocker 95	cs
		Longacre 93	cs
π^+ π^- X	408.8	Stocker 95	mass
K_S mult[charged$^-$] X	408.8	Stocker 95	cs
		Eiseman 92B	mult,p
p π^- X	408.8	Stocker 95	mass
Λ mult[charged$^-$] X	408.8	Stocker 95	cs
		Eiseman 92B	mult,p

Si Cu

charged X	408.8	Stocker 95	p,pt
π^+ X	408.8	Stocker 95	p,pt
		Abbott 94	p
		Gonin 94	pt
		Hamagaki 94	p
π^- X	408.8	Stocker 95	p,pt
		Abbott 94	p
		Gonin 94	pt
		Hamagaki 94	p
K^+ X	408.8	Stocker 95	p,pt
		Abbott 94	p
		Hamagaki 94	p
K^- X	408.8	Stocker 95	p,pt
		Abbott 94	p

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Si Cu

K^- X			
		Hamagaki 94	p
p X			
	408.8	Stocker 95	p,pt
		Abbott 94	p
		Hamagaki 94	p
$\bar{p}$ X			
	408.8	Stocker 95	p
		Hayano 94	p
		Barrette 93	angp
deuteron X			
	408.8	Stocker 95	p
		Abbott 94	p
^{3}H X			
	408.8	Stocker 95	cs
^{3}He X			
	408.8	Stocker 95	cs
$\bar{p}$ fragb X			
	408.8	Barrette 93	cor,mult,p

Si Pt

π^+ X			
	408.8	Diebold 93	a-dep,angp,mult,p,pt
π^- X			
	408.8	Diebold 93	a-dep,angp,mult,p,pt
K^+ X			
	408.8	Diebold 93	a-dep,angp,mult,p.pt
K^- X			
	408.8	Diebold 93	a-dep,angp,mult,p,pt
p X			
	408.8	Saito 94	a-dep,angp,cs,p
		Diebold 93	a-dep,angp,mult,p,pt
$\bar{p}$ X			
	408.8	Diebold 93	a-dep,angp,mult,p,pt
deuteron X			
	408.8	Saito 94	a-dep,angp,cs,p
^{3}H X			
	408.8	Saito 94	a-dep,angp,cs,p
^{3}He X			
	408.8	Saito 94	a-dep,angp,cs,p
^{4}He X			
	408.8	Saito 94	a-dep,angp,cs,p

Si Au

X			
	408.8	Barrette 93B	et,p
charged X			
	408.8	Stocker 95	p,pt
hadron X			
	408.8	Ahle 94	cs,et,p
π^+ X			
	408.8	Stocker 95	p,pt
		Abbott 94	p
		Gonin 94	pt
		Hamagaki 94	p,pt
		Kaufman 94	p
π^- X			
	408.8	Stocker 95	p,pt
		Abbott 94	p
		Gonin 94	pt
		Hamagaki 94	p,pt
		Kaufman 94	p
		Abbott 91	p,pt
K^+ X			
	408.8	Stocker 95	p,pt
		Abbott 94	p
K^+ X			
		Gonin 94	mult,p
		Hamagaki 94	p
		Kaufman 94	p
		Kaufman 94C	p,pt
		Wang 94	p
K^- X			
	406	Kaufman 95	p,pt
	408.8	Stocker 95	p,pt
		Abbott 94	p
		Hamagaki 94	p
		Kaufman 94	p
		Kaufman 94C	p,pt
		Wang 94	p
		Abbott 91	p,pt
$\phi(1020)$ X			
	406	Kaufman 95	p
	408.8	Stocker 95	p
		Kaufman 94	p
$\phi(1020) < K^+ K^- >$ X			
	408.8	Wang 94	p,pt
p X			
	408.8	Stocker 95	p,pt
		Abbott 94	p
		Hamagaki 94	p,pt
		Kaufman 94	p
		Kaufman 92B	angp,p
$\bar{p}$ X			
	406	Kaufman 95	p,pt
	408.8	Stocker 95	p
		Hayano 94	p
		Kaufman 94	p
		Abbott 91	p,pt
Λ X			
	408.8	Stocker 95	p
		Kaufman 94	p
deuteron X			
	408.8	Stocker 95	p
		Abbott 94	p
$2\pi^+$ X			
	406	Kaufman 95	cor
	408.8	Cianciolo 95	cor
		Stocker 95	cor
		Kaufman 94	cor
		Vossnack 94	cor
$2\pi^-$ X			
	406	Kaufman 95	cor
	408.8	Stocker 95	cor
		Kaufman 94	cor
$K^+ \pi^+$ X			
	408.8	Stocker 95	cor
		Vossnack 94	cor
$2K^+$ X			
	408.8	Cianciolo 95	cor
		Stocker 95	cor
		Kaufman 94	cor
		Vossnack 94	cor
$K^+ K^-$ X			
	406	Kaufman 95	mass
	408.8	Wang 94	mass
$p\,\pi^+$ X			
	408.8	Stocker 95	mass
		Gonin 94	mass
$p\,\pi^-$ X			
	406	Kaufman 95	mass
$\bar{p}\,\pi^+$ X			
	406	Kaufman 95	mass
$p\,K^+$ X			
	408.8	Stocker 95	cor
		Vossnack 94	cor
$2p$ X			
	408.8	Stocker 95	cor
		Kaufman 94	cor
$K^+ K^-$ mult[charged] X			
	408.8	Wang 95	mass

Si Pb

X			
	408.8	Barrette 93B	et,p
π^- X			
	408.8	Stocker 95	p,pt
		Hemmick 94	p,pt
		Eiseman 93	p,pt
K^+ X			
	408.8	Stocker 95	p,pt
K^- X			
	408.8	Stocker 95	p,pt
K_S X			
	408.8	Eiseman 93	p,pt
		Eiseman 92B	p
p X			
	408.8	Stocker 95	p
		Barrette 93C	angp
$\bar{p}$ X			
	408.8	Stocker 95	p
		Hayano 94	p
		Barrette 93	angp
$\Delta(1232\,P_{33})^{++}$ X			
	408.8	Stocker 95	p
Λ X			
	408.8	Eiseman 94	angp,p
		Eiseman 93	p,pt
		Eiseman 92B	p
Ξ^- X			
	408.8	Stocker 95	p
		Eiseman 94	angp,p
		Longacre 93	p
deuteron X			
	408.8	Stocker 95	cs,p,pt
dibaryon($S = -1$) X			
	408.8	Longacre 95	p
^{3}H X			
	408.8	Stocker 95	cs,p,pt
^{3}He X			
	408.8	Stocker 95	cs,p,pt
2charged X			
	408.8	Barrette 94B	cor,et,p
$2\pi^+$ X			
	408.8	Stocker 95	cor
		Barrette 94C	ang,cor,p,pt
		Xu 94	cor
$\pi^+ \pi^-$ X			
	408.8	Barrette 94C	ang,cor,p,pt
$2\pi^-$ X			
	408.8	Stocker 95	cor
		Barrette 94C	ang,cor,p,pt
		Xu 94	cor
K_S mult[charged$^-$] X			
	408.8	Eiseman 92B	mult,p
p mult[charged] X			
	408.8	Lissauer 94C	mult,p,pt
		Barrette 93C	angp,mult,p,pt
$p\,\pi^-$ X			
	408.8	Eiseman 93	mass
		Eiseman 92B	mass
Λ mult[charged$^-$] X			
	408.8	Eiseman 92B	mult,p
$\Lambda\,\pi^-$ X			
	408.8	Eiseman 94	mass
$p\,\Sigma^-$ X			
	408.8	Longacre 95	mass
$\bar{p}$ fragb X			
	408.8	Barrette 93	cor,mult,p
deuteron mult[charged] X			
	408.8	Lissauer 94C	mult,p,pt
2charged mult[charged] X			
	408.8	Barrette 94B	cor,et,mult,p

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^{28}Si ^{27}Al

hadron (hadrons)			
	408.8	Bloomer 90	et
$2\pi^+$ X			
	408.8	Abbott 92D	angp,cor
		Abbott 91D	cor
$2\pi^-$ X			
	408.8	Abbott 92D	angp,cor
		Abbott 91D	cor

^{28}Si ^{28}Si

K_S X			
	408.8	Adams 92F	p
n X			
	5.434	Obserstedt 92	angp,p
Λ X			
	408.8	Adams 92F	p
frag X			
	5.434	Obserstedt 92	p
π^+ π^- X			
	408.8	Adams 92F	mass
K_S mult[charged$^-$] X			
	408.8	Adams 92F	cs
p π^- X			
	408.8	Adams 92F	mass
Λ mult[charged$^-$] X			
	408.8	Adams 92F	cs

^{28}Si Cu

inelastic			
	408.8	Abbott 92C	cs
(neutrals) X			
	408.8	Schukraft 91	et
mult[charged] X			
	405.2	Barrette 91	mult,p
	434.1	Barrette 92C	cs,et,mult
mult[p] X			
	434.1	Barrette 92B	et,mult
mult[n] X			
	434.1	Barrette 92B	et,mult
charged X			
	5626	Albrecht 92T	mult
charged$^+$ X			
	408.8	Adams 92	p,pt
		Adams 92F	p
charged$^-$ X			
	408.8	Adams 92	p,pt
		Adams 92F	p,pt
		Ahmad 92B	pt
		Bloomer 90	p,pt
hadron X			
	434.1	Fatyga 94	et
	5626	Albrecht 92T	angp,et
π^- X			
	408.8	Aoki 92B	p
K^- X			
	408.8	Aoki 92B	p
K_S X			
	408.8	Adams 92	p,pt
K_S 0fragb X			
	408.8	Bloomer 90	pt
p 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
Λ X			
	408.8	Adams 92	p,pt
Λ 0fragb X			
	408.8	Bloomer 90	pt

^{28}Si Cu

anomalon X			
	406	Cecchini 93	cs
frag X			
	405.2	He 91	cs
frag$^-$ X			
	408.8	Barrette 95F	cs
fragb X			
	403.2	Barrette 95	cs,p
	406	Cecchini 93	cs
	408.8	Abbott 92C	cs,p
	431.3	Price 91	angp,cs,pt
deuteron X			
	408.8	Lissauer 94B	cs
$\overline{\text{deuteron}}$ X			
	408.8	Aoki 92B	p
^{3}H X			
	408.8	Lissauer 94B	cs
^{3}He X			
	408.8	Lissauer 94B	cs
^{6}He X			
	408.8	Barrette 95C	a-dep,cs,p,pt
^{8}He X			
	408.8	Barrette 95C	a-dep,cs,p,pt
^{8}Li X			
	408.8	Barrette 95C	a-dep,cs,p,pt
^{9}Li X			
	408.8	Barrette 95C	a-dep,cs,p,pt
^{10}Be X			
	408.8	Barrette 95C	a-dep,cs,p,pt
^{11}Be X			
	408.8	Barrette 95C	a-dep,cs,p,pt
^{13}Bor X			
	408.8	Barrette 95C	a-dep,cs,p,pt
π^+ mult[fragb] X			
	408.8	Abbott 92C	mult
	434.1	Kaufman 92	mult
π^+ π^- X			
	408.8	Adams 92	mass
K_S mult[charged$^-$] X			
	408.8	Adams 92	cor,mult,p
		Odyniec 91	cor,mult
K^+ mult[fragb] X			
	408.8	Abbott 92C	mult
	434.1	Kaufman 92	mult
p π^- X			
	408.8	Adams 92	mass
Λ mult[charged$^-$] X			
	408.8	Adams 92	cor,mult,p
		Odyniec 91	cor,mult
Cu ^{27}Al p			
	434.1	Barrette 92	cs,p

^{28}Si ^{64}Cu

hadron (hadrons)			
	408.8	Bloomer 90	et

^{28}Si Ag

(neutrals) X			
	408.8	Schukraft 91	et
charged X			
	5626	Albrecht 92T	mult
hadron X			
	5626	Albrecht 92T	angp,et

^{28}Si Sn

frag$^-$ X			
	408.8	Barrette 95F	cs

^{28}Si Sn

fragb X			
	403.2	Barrette 95	cs,p
^{6}He X			
	408.8	Barrette 95C	a-dep,cs,p,pt
^{8}He X			
	408.8	Barrette 95C	a-dep,cs,p,pt
^{8}Li X			
	408.8	Barrette 95C	a-dep,cs,p,pt
^{9}Li X			
	408.8	Barrette 95C	a-dep,cs,p,pt
^{10}Be X			
	408.8	Barrette 95C	a-dep,cs,p,pt
^{11}Be X			
	408.8	Barrette 95C	a-dep,cs,p,pt
^{13}Bor X			
	408.8	Barrette 95C	a-dep,cs,p,pt
Sn ^{24}Mg ^{4}He			
	408.8	Sonnadara 94	cs,p
Sn ^{27}Al p			
	408.8	Sonnadara 94	cs,p
	434.1	Barrette 92	cs,p
Sn ^{27}Si n			
	408.8	Sonnadara 94	cs,p
Sn ^{26}Mg $2p$			
	408.8	Sonnadara 94	cs,p

^{28}Si Au

inelastic			
	408.8	Abbott 92C	cs
(neutrals) X			
	408.8	Schukraft 91	et
charged X			
	5626	Albrecht 92T	mult
charged$^+$ X			
	408.8	Adams 92	p,pt
		Adams 92F	p
charged$^-$ X			
	408.8	Adams 92	p,pt
		Adams 92F	p,pt
		Ahmad 92B	pt
		Bloomer 90	p,pt
hadron X			
	5626	Albrecht 92T	angp,et
$\pi^\pm$ X			
	434.1	Kaufman 92	pt
π^+ X			
	408.8	Abbott 91B	p,pt
		Schukraft 91	p
π^+ 0fragb X			
	408.8	Bloomer 90	p,pt
π^- X			
	408.8	Aoki 92B	p
		Abbott 91B	p,pt
		Schukraft 91	p
π^- 0fragb X			
	408.8	Bloomer 90	p,pt
K^+ X			
	408.8	Abbott 91B	p,pt
		Schukraft 91	p
	434.1	Kaufman 92	p,pt
K^+ 0fragb X			
	408.8	Bloomer 90	p,pt
K^- 0fragb X			
	408.8	Bloomer 90	p,pt
K^- X			
	408.8	Aoki 92B	p
		Abbott 91B	p,pt

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^{28}Si Au

K^- X		Schukraft 91	p
	434.1	Kaufman 92	pt
K_S X	408.8	Adams 92	p,pt
K_S 0fragb X	408.8	Bloomer 90	pt
p X	408.8	Abbott 91B	p,pt
		Schukraft 91	p
		Bloomer 90	p,pt
	434.1	Kaufman 92	p,pt
p 0fragb X	408.8	Bloomer 90	p,pt
$\bar{p}$ X	408.8	Aoki 92B	p
	445.3	Aoki 92C	p
Λ X	408.8	Adams 92	p,pt
Λ 0fragb X	408.8	Bloomer 90	pt
fragb X	408.8	Abbott 92C	cs,p
$\overline{\text{deuteron}}$ X	408.8	Aoki 92B	p
π^- mult[charged] X	408.8	Eiseman 92	mult,p
π^+ mult[fragb] X	408.8	Abbott 92C	mult
	434.1	Kaufman 92	mult
$2\pi^+$ X	408.8	Akiba 93	angp,cor
	434.1	Kaufman 92	cor
π^+ π^- X	408.8	Adams 92	mass
$2\pi^-$ X	434.1	Kaufman 92	cor
K_S mult[charged$^-$] X	408.8	Adams 92	cor,mult,p
		Odyniec 91	cor,mult
K^+ mult[fragb] X	408.8	Abbott 92C	mult
	434.1	Kaufman 92	mult
$2K^+$ X	408.8	Akiba 93	angp,cor
	434.1	Kaufman 92	cor
p mult[charged] X	408.8	Eiseman 92	mult,p
p π^- X	408.8	Adams 92	mass
$2p$ X	434.1	Kaufman 92	cor
Λ mult[charged$^-$] X	408.8	Adams 92	cor,mult,p
		Odyniec 91	cor,mult

^{28}Si ^{197}Au

X	408.8	Betts 91	cor,et,p
π^+ X	407	Odyniec 91	p,pt
	408.8	Abbott 91C	angp,p,pt
π^- X	407	Odyniec 91	p,pt
	408.8	Abbott 91C	angp,p,pt
K^+ X	407	Odyniec 91	p,pt
	408.8	Abbott 91C	angp,p,pt
K^- X	407	Odyniec 91	p,pt
	408.8	Abbott 91C	angp,p,pt
p X	407	Odyniec 91	p,pt
	408.8	Abbott 91C	angp,p,pt
$2\pi^+$ X	408.8	Abbott 92D	angp,cor
		Abbott 91D	cor
$2\pi^-$ X	408.8	Abbott 92D	angp,cor
		Abbott 91D	cor

^{28}Si Pb

mult[charged] X	405.2	Barrette 91	mult,p
mult[p] X	434.1	Barrette 92B	et,mult
mult[n] X	434.1	Barrette 92B	et,mult
charged X	434.1	Fatyga 94	angp,mult
hadron X	434.1	Fatyga 94	et
π^- X	408.8	Ludlam 94	p,pt
K^+ X	408.8	Ludlam 94	p,pt
K^- X	408.8	Ludlam 94	p,pt
K_S X	408.8	Eiseman 95B	p,pt
p X	408.8	Ludlam 94	p
	434.1	Fatyga 94	p,pt
		Barrette 92B	p,pt
$\bar{p}$ X	408.8	Duek 92B	cs,et
	434.1	Fatyga 94	cs
$\Delta(1232\,P_{33})^{++}$ X	408.8	Ludlam 94	p
frag X	405.2	He 91	cs
frag$^-$ X	408.8	Barrette 95F	cs
fragb X	403.2	Barrette 95	cs,p
	431.3	Price 91	angp,cs,pt
deuteron X	408.8	Lissauer 94B	cs,p,pt
^{3}H X	408.8	Lissauer 94B	cs,p,pt
^{3}He X	408.8	Lissauer 94B	cs,p,pt
^{8}He X	408.8	Barrette 95C	a-dep,cs,p,pt
^{8}Li X	408.8	Barrette 95C	a-dep,cs,p,pt
^{9}Li X	408.8	Barrette 95C	a-dep,cs,p,pt
^{10}Be X	408.8	Barrette 95C	a-dep,cs,p,pt
^{11}Be X	408.8	Barrette 95C	a-dep,cs,p,pt
^{13}Bor X	408.8	Barrette 95C	a-dep,cs,p,pt
$2\pi^+$ X	408.8	Ludlam 94	cor
$2\pi^-$ X	408.8	Ludlam 94	cor
p mult[charged] X	405.2	Barrette 91	et,mult,p
n mult[charged] X	405.2	Barrette 91	et,mult,p
p mult[fragb] X	408.8	Duek 92	pt
^{3}He mult[fragb] X	408.8	Duek 92	pt
^{4}He mult[fragb] X	408.8	Duek 92	pt
Pb ^{24}Mg ^{4}He	408.8	Sonnadara 94	cs,p
Pb ^{27}Al p	408.8	Sonnadara 94	cs,p
	434.1	Barrette 92	ang,cs,p
Pb ^{27}Si n	408.8	Sonnadara 94	cs,p
Pb ^{26}Mg $2p$	408.8	Sonnadara 94	cs,p

^{28}Si ^{208}Pb

hadron (hadrons)	408.8	Bloomer 90	et
n hadron X	408.8	Bloomer 90	et,p,pt

S nucleus

mult[charged] X	6420	Wilkes 91	col,mult,p
shower X	6420	Gulyamov 92	mult,p
2charged X	6420	Wilkes 91	cor,p

S C

X	6420	Albrecht 91Q	pt

S Al

X	6420	Albrecht 91Q	pt

S S

mult[charged] X	6400	Albrecht 94H	et,mult
		Bachler 91	mult
mult[charged$^-$] X	6400	Bachler 92	mult,p
		Bachler 91	mult
charged X	6400	Bachler 91	mult
charged$^-$ X	6400	Bachler 94	cs,et,mult,p,pt
		Sollfrank 94	mult
		Bachler 91	mult
		Odyniec 91	mult,p,pt
hadron X	6420	Karabarbouni 92C	mult
hadron$^-$ X	6390	Baechler 91	mult,p,pt
	6400	Panagiotou 95	p
		Gazdzcki 94	mult
γ X	6420	Viyogi 94	angp,et
π X	6400	Bachler 94	p
π^+ X	6400	Boggild 96	p,pt
		Boggild 94	pt
	6420	Boggild 95C	pt
		Polychronako 92	pt
π^0 X	6400	Albrecht 94C	pt
	6420	Albrecht 95F	p,pt

S S

Final state	p_{lab}	Reference	Data
$\pi^- X$	6400	Boggild 96	p,pt
		Boggild 95D	p,pt
		Boggild 94	pt
	6420	Boggild 95C	pt
		Polychronako 92	pt
ηX	6400	Bachler 94	p
	6420	Albrecht 95F	p,pt
$K^+ X$	6400	Abatzis 95C	pt
		Boggild 94	pt
		Gazdzcki 94	mult
		Sollfrank 94	mult
		Bachler 93	mult,p,pt
	6420	Boggild 95C	pt
		Karabarbouni 92B	pt
		Karabarbouni 92C	mult,p,pt
		Polychronako 92	pt
$K^0 X$	6400	Gazdzcki 94	mult,p
$K^- X$	6400	Abatzis 95C	pt
		Boggild 95D	p,pt
		Boggild 94	pt
		Gazdzcki 94	mult
		Sollfrank 94	mult
		Bachler 93	mult,p,pt
	6420	Boggild 95C	pt
		Karabarbouni 92B	pt
		Karabarbouni 92C	mult,p,pt
		Polychronako 92	pt
$K_S X$	6390	Baechler 91	mult,p,pt
	6400	Panagiotou 95	p
		Odyniec 91	mult,p,pt
	6420	Karabarbouni 92B	pt
		Karabarbouni 92C	mult,p,pt
$p X$	6400	Bachler 94	cs,et,mult,p,pt
		Boggild 94	pt
		Sollfrank 94	mult
		Bachler 91	mult
	6420	Boggild 95C	p,pt
		Polychronako 92	pt
$\bar{p} X$	6400	Boggild 94	pt
		Sollfrank 94	mult
	6420	Boggild 95C	p,pt
		Gunther 95	p,pt
		Polychronako 92	pt
ΛX	6390	Baechler 91	mult,p,pt
	6400	Abatzis 95	cs,p,pt
		Abatzis 95C	cs,pt
		Andersen 95	p
		Panagiotou 95	p
		Abatzis 94C	cs
		Gazdzcki 94	mult,p
		Sollfrank 94	mult
		Odyniec 91	mult,p,pt
	6420	Karabarbouni 92C	mult
$\Lambda X + \Sigma^0 X$	6420	Karabarbouni 92C	mult
$\bar{\Lambda} X$	6390	Baechler 91	mult,p,pt
	6400	Abatzis 95	cs,p,pt
		Abatzis 95C	cs,pt
		Abatzis 94C	cs
		Gazdzcki 94	mult
		Sollfrank 94	mult
		Odyniec 91	mult,p,pt
	6420	Gunther 95	p,pt
		Karabarbouni 92C	mult

S S

Final state	p_{lab}	Reference	Data
$\bar{\Lambda} X + \bar{\Sigma}^0 X$	6420	Karabarbouni 92C	mult
$\Xi^- X$	6400	Abatzis 95	cs,p,pt
		Abatzis 95C	cs,pt
		Abatzis 94C	cs
$\bar{\Xi}^+ X$	6400	Abatzis 95	cs,p,pt
		Abatzis 95C	cs,pt
		Abatzis 94C	cs
charged (chargeds) X	6400	Albrecht 94H	col,et
2charged X	6400	Albrecht 94H	cor,et
2charged$^-$ X	6400	Bachler 94C	col,p,pt
		Fialkowski 94	col,p,pt
hadron$^+$ hadron$^-$ X	6400	Wosiek 94	cor
2hadron$^-$ X	6400	Wosiek 94	cor
π^- charged$^+$ X	6400	Alvarezdelar 95	cor,p,pt
$2\pi^- X$	6390	Karabarbouni 91	cor
	6400	Roland 94	cor
	6420	Alber 95	cor,p,pt
		Karabarbouni 92	cor
K_S mult[charged$^-$] X	6400	Odyniec 91	cor,mult
		Schukraft 91	cor,mult
$K^0 \bar{K}^0 X$	6400	Bachler 94	p
$p \pi^+ X$	6400	Abatzis 95C	mass
$\bar{p} \pi^- X$	6400	Abatzis 95C	mass
nucleon $\overline{\text{nucleon}}$ X	6400	Bachler 94	p
hyperon $\overline{\text{hyperon}}$ X	6400	Bachler 94	p
Λ mult[charged$^-$] X	6400	Andersen 95	mult
		Odyniec 91	cor,mult
		Schukraft 91	cor,mult
$\bar{\Lambda}$ mult[charged$^-$] X	6400	Odyniec 91	cor,mult
		Schukraft 91	cor,mult
$\Lambda \pi^- X$	6400	Abatzis 95C	mass
		Abatzis 94C	mass
$\bar{\Lambda} \pi^+ X$	6400	Abatzis 95C	mass
		Abatzis 94C	mass
2charged (chargeds) X	6400	Bachler 94C	col,p,pt
		Fialkowski 94	col,p,pt

S Cu

Final state	p_{lab}	Reference	Data
X	6420	Albrecht 91Q	pt
mult[charged] X	6400	Bachler 91	mult
mult[charged$^-$] X	6400	Bachler 91	mult
mult[Λ] X	6400	Andersen 92	a-dep,et,mult,p
charged X	6400	Bachler 91	mult

S Cu

Final state	p_{lab}	Reference	Data
charged$^-$ X	6400	Bachler 91	mult
p(spect) X	6400	Andersen 92	a-dep,p
$2\pi^- X$	6400	Panagiotou 95	cor

S Ag

Final state	p_{lab}	Reference	Data
X	6420	Albrecht 91Q	pt
mult[Λ] X	6400	Andersen 92	a-dep,et,mult,p
hadron$^-$ X	6400	Panagiotou 95	p,pt
		Gazdzcki 94	mult
$K^+ X$	6400	Gazdzcki 94	mult
$K^0 X$	6400	Gazdzcki 94	mult,p
$K^- X$	6400	Gazdzcki 94	mult
$K_S X$	6400	Panagiotou 95	p
p(spect) X	6400	Andersen 92	a-dep,p
$\bar{p} X$	6420	Gunther 95	p,pt
ΛX	6400	Panagiotou 95	p
		Gazdzcki 94	mult,p
	6420	Karabarbouni 92C	mult
$\bar{\Lambda} X$	6400	Gazdzcki 94	mult
	6420	Gunther 95	p,pt
		Karabarbouni 92C	mult
$2\pi^- X$	6390	Karabarbouni 91	cor
	6400	Panagiotou 95	cor
		Roland 94	cor
	6420	Alber 95	cor,p,pt
		Karabarbouni 92	cor
(showers) 2shower X	6420	Adamovich 93E	col

S Wt

Final state	p_{lab}	Reference	Data
charged$^-$ X	6400	Abatzis 91C	pt
hadron$^-$ X	6400	Abatzis 94	pt
$\pi^+ X$	6400	Odyniec 91	p,pt
$\pi^- X$	6390	Vanhecke 91	cs,pt
	6400	Odyniec 91	p,pt
$\omega X + \rho X$	6400	Masera 95	p,pt
$K^+ X$	6390	Vanhecke 91	cs,pt
	6400	Abatzis 95D	cs,pt
		Odyniec 91	p,pt
$K^0 X + \bar{K}^0 X$	6400	Abatzis 94	pt
$K^- X$	6390	Vanhecke 91	cs,pt
	6400	Abatzis 95D	cs,pt
		Odyniec 91	p,pt
$K_S X$	6400	Abatzis 95D	cs,pt
$\phi(1020) X$	6400	Masera 95	p,pt

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S Wt

p X
6390 Vanhecke 91 cs,pt
6400 Borer 94 angp

$\bar{p}$ X
6400 Borer 94 angp

Λ X
6400 Abatzis 95D cs,pt
Abatzis 94 pt
Abatzis 91C pt

$\bar{\Lambda}$ X
6400 Abatzis 95D cs,pt
Abatzis 94 pt
Abatzis 91C pt

Ξ^- X
6400 Abatzis 95D cs,pt
Abatzis 95E cs
Abatzis 94 pt

$\bar{\Xi}^+$ X
6400 Abatzis 95D cs,pt
Abatzis 95E cs
Abatzis 94 pt

Ω^- X
6400 Abatzis 95D cs
Abatzis 95E cs
Abatzis 94B cs

$\bar{\Omega}^+$ X
6400 Abatzis 95D cs
Abatzis 95E cs
Abatzis 94B cs

X strangelet
6400 Appelquist 94 cs
Borer 94 cs

deuteron X
6400 Borer 94 angp

^{3}He X
6400 Borer 94 angp

^{4}He X
6400 Borer 94 angp

μ^- μ^+ X
6400 Masera 95 mass
Mazzoni 92 mass

charged$^-$ mult[charged] X
6400 Abatzis 91C mult

ω mult[charged] X + ρ mult[charged] X
6400 Masera 95 cs
Mazzoni 92 cs,pt

ϕ(1020) mult[charged] X
6400 Masera 95 cs
Mazzoni 92 cs,pt

p π^- X
6400 Abatzis 91C mass

$\bar{p}$ π^+ X
6400 Abatzis 91C mass

Λ mult[charged] X
6400 Abatzis 91C mult

$\bar{\Lambda}$ mult[charged] X
6400 Abatzis 91C mult

Λ π^- X + $\bar{\Lambda}$ π^+ X
6400 Abatzis 94B mass

Λ π^- X
6400 Abatzis 95E mass

$\bar{\Lambda}$ π^+ X
6400 Abatzis 95E mass

Λ K^- X
6400 Abatzis 95E mass

Λ K^- X + $\bar{\Lambda}$ K^+ X
6400 Abatzis 94 mass
Abatzis 94B mass

$\bar{\Lambda}$ K^+ X
6400 Abatzis 95E mass

S Pt

e^- e^+ X
6420 Tserruya 95 ang,mass

S Pt

Pt S e^- e^+
6400 Baur 94B ang,cs,mass,pt
Baur 93 cs,mass
6420 Tserruya 95 cs

S Au

X
6420 Albrecht 91Q pt

mult[charged] X
6400 Albrecht 94H et,mult

mult[charged$^-$] X
6400 Bachler 92 et,mult,p

hadron$^+$ X
6390 Mitchell 94 p

hadron$^-$ X
6390 Mitchell 94 p
6400 Panagiotou 95 p
6420 Slegt 95 pt

shower X
6420 Gulyamov 92 mult,p

γ X
6400 Baur 95 mult,p,pt
Ceretto 95 pt
Albrecht 94C pt
Baur 93 angp
6420 Tserruya 95 pt
Viyogi 94 angp,et

$\pi^\pm$ X
6400 Baur 93 pt
6420 Tserruya 95 pt

π^+ X
6400 Bachler 94B p,pt

π^0 X
6400 Albrecht 94C pt
6420 Albrecht 95F p,pt

η X
6400 Albrecht 94C pt
6420 Albrecht 95F p,pt

K^+ X
6400 Bachler 94B p,pt

K^0 X
6400 Gazdzcki 94 mult,p

p X
6400 Bachler 94B p,pt

$\bar{p}$ X
6420 Gunther 95 p,pt

Λ X
6400 Gazdzcki 94 mult,p

$\bar{\Lambda}$ X
6420 Gunther 95 p,pt

e^- e^+ X
6400 Agakichiev 95 mass
Ceretto 95 mass
Tserruya 95 mass

charged (chargeds) X
6400 Albrecht 94H col,et

2charged X
6400 Albrecht 94H cor,et

charged$^+$ charged$^-$ X
6400 Bachler 94C col,p,pt
Fialkowski 94 col,p,pt

2charged$^-$ X
6400 Bachler 94C col,p,pt
Fialkowski 94 col,p,pt

2hadron$^-$ X
6400 Wosiek 94 cor
6420 Slegt 95 cor

γ (γ's) X
6420 Aggarwal 95 col,et

γ charged X
6400 Baur 95 mult,p,pt

2γ X
6420 Aggarwal 95 cor

S Au

2π^+ X
6400 Albrecht 94E cor

2π^- X
6390 Karabarbouni 91 cor
6400 Panagiotou 95 cor
Roland 94 cor
6420 Alber 95 cor,p,pt
Karabarbouni 92 cor
Karabarbouni 92C cor

frag (frags) X
6400 Boisgard 91 cs

2charged (chargeds) X
6400 Bachler 94C col,p,pt
Fialkowski 94 col,p,pt

(showers) 2shower X
6420 Adamovich 93E col

S Pb

mult[Λ] X
6400 Andersen 92 a-dep,et,mult,p

charged X
6420 Iyono 92 p,pt

π^+ X
6400 Boggild 96 p,pt
Boggild 94 pt
6420 Boggild 95 pt
Boggild 95C pt
Iyono 92 p,pt
Polychronako 92 pt

π^- X
6400 Boggild 96 p,pt
Boggild 95D p,pt
Boggild 94 pt
6420 Boggild 95C pt
Iyono 92 p,pt
Polychronako 92 pt

K^+ X
6400 Boggild 94 pt
6420 Boggild 95 pt
Boggild 95C pt
Polychronako 92 pt

K^- X
6400 Boggild 95D p,pt
Boggild 94 pt
6420 Boggild 95C pt
Polychronako 92 pt

p X
6400 Boggild 94 pt
6420 Boggild 95 pt
Boggild 95B p,pt
Boggild 95C p,pt
Polychronako 92 pt

p(spect) X
6400 Andersen 92 a-dep,p

$\bar{p}$ X
6400 Boggild 94 pt
6420 Boggild 95C p,pt
Polychronako 92 pt

Λ X
6400 Andersen 95 cs,p

$\bar{\Lambda}$ X
6400 Andersen 95 cs

Ξ^- X
6400 Andersen 95 cs

$\bar{\Xi}^+$ X
6400 Andersen 95 cs

deuteron X
6420 Boggild 95 pt
Boggild 95B p,pt
Boggild 95C pt

$\overline{\text{deuteron}}$ X
6420 Boggild 95B p,pt

π^- charged$^+$ X
6400 Alvarezdelar 95 cor,p,pt

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^{32}S Ag

0fragb X			
	6400	Bachler 91B	et,p
X			
	6400	Bachler 91B	et,p
mult[charged] X			
	6400	Bachler 91B	et,p
	6420	Albrecht 92U	mult
		Eklund 92	et,mult,p
mult[neutral] X			
	6400	Bachler 91B	et,p
charged X			
	6400	Eklund 91	mult,p
	6420	Aoki 95	a-dep,angp,et,mult,p
		Albrecht 92U	a-dep,et,p
		Eklund 92	p
		Kampert 92	a-dep,p
hadron X			
	6390	Akesson 90E	et
	6420	Aoki 95	a-dep,angp,et,mult,p
		Schukraft 91	et
hadron$^-$ X			
	6400	Panagiotou 94	p,pt
K^+ X			
	6400	Alber 94	p,pt
		Panagiotou 94	p,pt
K^0 X			
	6400	Panagiotou 94	p,pt
K^- X			
	6400	Panagiotou 94	p,pt
K_S X			
	6400	Alber 94	mult,p,pt
p X			
	6400	Panagiotou 94	p
$\overline{p}$ X			
	6400	Panagiotou 94	p
Λ X			
	6400	Alber 94	mult,p,pt
		Panagiotou 94	p
$\overline{\Lambda}$ X			
	6400	Alber 94	mult,p,pt
		Panagiotou 94	p
frag X			
	7.626	Wada 92B	angp,p
fragb X			
	143.6	Sampsonidis 95	cs
	6400	Bachler 91B	p
Be X			
	7.626	Wada 92	angp,p
C X			
	7.626	Wada 92	angp,p
O X			
	7.626	Wada 92	angp,p
Ne X			
	7.626	Wada 92	angp,p
Mg X			
	7.626	Wada 92	angp,p
Si X			
	7.626	Wada 92	angp,p
2charged$^-$ X			
	6400	Alber 95C	cor,p,pt
$2\pi^+$ X			
	6420	Kampert 92	cor,p
π^+ π^- X			
	6400	Alber 94	mass
$2\pi^-$ X			
	6420	Odyniec 91B	cor
		Schukraft 91	angp,cor
p π^- X			
	6400	Alber 94	mass
$\overline{p}$ π^+ X			
	6400	Alber 94	mass

^{32}S Ag

2frag X			
	7.626	Wada 92B	cor
p fragb X			
	7.626	Wada 92	angp,p
deuteron fragb X			
	7.626	Wada 92	angp,p
^{4}He fragb X			
	7.626	Wada 92	angp,p

^{32}S Wt

charged X			
	6420	Aoki 95	a-dep,angp,et,mult,p
charged$^-$ X			
	6420	Schukraft 91	et,p,pt
hadron X			
	6390	Akesson 90E	angp,et,p
	6420	Aoki 95	a-dep,angp,et,mult,p
		Schukraft 91	et
hadron$^-$ X			
	6400	Abatzis 92	pt
γ X			
	6420	Tserruya 95	cs,et,pt
		Schukraft 91	cs,et,pt
π^+ X			
	6420	Akesson 92	et,pt
π^0 X			
	6420	Tserruya 95	cs,et,pt
		Schukraft 91	cs,et,pt
π^- X			
	6420	Akesson 92	et,pt
ρ X			
	6400	Mazzoni 94	cs,p,pt
ω X			
	6400	Mazzoni 94	cs,p,pt
K^+ X			
	6400	Abatzis 95B	cs,pt
	6420	Akesson 92	et,pt
K^- X			
	6400	Abatzis 95B	cs,pt
	6420	Akesson 92	et,pt
K_S X			
	6400	Abatzis 92	pt
		Evans 92	cs,pt
		Kinson 91	cs,mult,p,pt
$\phi(1020)$ X			
	6400	Mazzoni 94	cs,p,pt
Λ X			
	6400	Abatzis 92	pt
		Evans 92	cs,pt
		Abatzis 91	cs,p,pt
		Kinson 91	cs,mult,p,pt
		Schukraft 91	mult,pt
	6420	Odyniec 91B	mult
$\overline{\Lambda}$ X			
	6400	Abatzis 92	pt
		Evans 92	cs,pt
		Abatzis 91	cs,p,pt
		Kinson 91	cs,mult,p,pt
		Schukraft 91	mult,pt
	6420	Odyniec 91B	mult
Ξ^- X			
	6400	Abatzis 92	pt
		Evans 92	cs,pt
		Abatzis 91	cs,p,pt
		Abatzis 91B	cs
		Kinson 91	cs,mult,p,pt
		Odyniec 91	mult
		Schukraft 91	mult
		Abatzis 90B	angp,mult
	6420	Odyniec 91B	mult
$\overline{\Xi}^+$ X			
	6400	Evans 92	cs,pt
		Abatzis 91	cs,p,pt

^{32}S Wt

$\overline{\Xi}^+$ X			
		Abatzis 91B	cs
		Kinson 91	cs,mult,p,pt
		Odyniec 91	mult
		Schukraft 91	mult
		Abatzis 90B	angp,mult
	6420	Odyniec 91B	mult
Ω^- X			
	6400	Abatzis 93	cs
$\overline{\Omega}^+$ X			
	6400	Abatzis 93	cs
μ^- μ^+ X			
	6400	Mazzoni 94	mass
		Goerlach 92	mass
charged$^-$ mult[charged] X			
	6420	Odyniec 91	mult,p
hadron$^-$ mult[charged] X			
	6400	Abatzis 92	mult
π^+ π^- X			
	6400	Abatzis 92	mass
		Evans 92	mass
		Kinson 91	mass
ρ mult[charged] X			
	6400	Mazzoni 94	cs,mult
ω mult[charged] X			
	6400	Mazzoni 94	cs,mult
K_S mult[charged] X			
	6400	Abatzis 92	mult
K_S mult[charged$^-$] X			
	6400	Evans 92	mult
$\phi(1020)$ mult[charged] X			
	6400	Mazzoni 94	cs,mult
p (hadrons) X			
	6420	Akesson 91	cor,et,p,pt
p π^- X			
	6400	Abatzis 92	mass
		Evans 92	mass
		Abatzis 91	mass
		Kinson 91	mass
$\overline{p}$ π^+ X			
	6400	Abatzis 92	mass
		Evans 92	mass
		Abatzis 91	mass
		Kinson 91	mass
Λ mult[charged] X			
	6400	Abatzis 92	mult
	6420	Odyniec 91	mult,p
Λ mult[charged$^-$] X			
	6400	Evans 92	mult
	6420	Jacob 91	cor,mult
$\overline{\Lambda}$ mult[charged] X			
	6400	Abatzis 92	mult
	6420	Odyniec 91	mult,p
$\overline{\Lambda}$ mult[charged$^-$] X			
	6400	Evans 92	mult
	6420	Jacob 91	cor,mult
Λ π^- X			
	6400	Abatzis 93	mass
		Abatzis 92	mass
		Evans 92	mass
		Abatzis 91	mass
		Kinson 91	mass
		Odyniec 91	mass
		Abatzis 90B	mass
$\overline{\Lambda}$ π^+ X			
	6400	Abatzis 93	mass
		Abatzis 92	mass
		Evans 92	mass
		Abatzis 91	mass
		Kinson 91	mass
		Odyniec 91	mass
		Abatzis 90B	mass
Λ K^- X			
	6400	Abatzis 93	mass

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^{32}S Wt

$\overline{\Lambda}$ K^+ X	6400	Abatzis 93	mass
$2\pi^+$ π^- X	6400	Abatzis 95B	mass
π^+ $2\pi^-$ X	6400	Abatzis 95B	mass

^{32}S Pt

hadron X	6390	Akesson 90E	et
	6420	Schukraft 91	et
γ X	6420	Tserruya 95	cs,et,pt
		Schukraft 91	cs,et,pt
π^0 X	6420	Tserruya 95	cs,et,pt
		Schukraft 91	cs,et,pt

^{32}S Au

0fragb X	6400	Bachler 91B	et,p
X	6400	Bachler 91B	et,p
e^+ X	6420	Vane 92	a-dep,angp,cs,p
(showers) X	6390	Adamovich 92B	angp,col,mult,p
		Stenlund 91	angp,col,mult,p
mult[charged] X	6400	Bachler 91B	et,p
	6420	Albrecht 92U	mult
		Bloomer 92	angp,col,mult,p
		Eklund 92	et,mult,p
mult[neutral] X	6400	Bachler 91B	et,p
mult[shower] X	6390	Adamovich 92B	mult,p
		Adamovich 91	mult,p
		Stenlund 91	mult,p
		Adamovich 90C	mult,p
charged X	6400	Eklund 91	mult,p
	6420	Albrecht 92U	a-dep,et,p
		Eklund 92	p
		Kampert 92	a-dep,p
hadron X	6420	Odyniec 91B	et
hadron$^-$ X	6400	Panagiotou 94	p,pt
γ X	6400	Albrecht 95I	pt
		Irmscher 94	pt
		Kampert 94	pt
		Kampert 93	pt
π^0 X	6400	Albrecht 95I	pt
		Albrecht 94D	pt
		Kampert 94	pt
		Kampert 93	pt
η X	6400	Albrecht 95I	pt
		Albrecht 94D	pt
		Kampert 94	pt
		Kampert 93	pt
K^- X	6400	Alber 94	p,pt
		Panagiotou 94	p
K_S X	6400	Alber 94	p,pt
p X	6400	Panagiotou 94	p
$\overline{p}$ X	6400	Panagiotou 94	p
Λ X	6400	Alber 94	p,pt
		Panagiotou 94	p
$\overline{\Lambda}$ X	6400	Alber 94	p,pt
		Panagiotou 94	p
fragb X	6400	Bachler 91B	p
	6420	Odyniec 91B	cor,et,p
mult[shower] mult[fragb] X	6390	Adamovich 91	mult,p
		Adamovich 90C	mult,p
2charged$^-$ X	6400	Alber 95C	cor,p,pt
γ (γ's) X	6400	Albrecht 96	cs,pt
2γ X	6400	Albrecht 95I	mass
		Albrecht 94D	mass
		Kampert 93	mass,pt
$2\pi^+$ X	6420	Kampert 92	cor,p
$J/\psi(1S)$ (neutrals) X	6400	Baglin 95	cs
$\psi(2S)$ (neutrals) X	6400	Baglin 95	cs
$2p$ X	6420	Awes 95	angp,cor
mult[p] $2\pi^+$ X	6420	Kampert 92	cor,mult,p
(showers) 2shower mult[fragb] X	6390	Adamovich 93F	col,mult,p

^{32}S Pb

mult[charged] X	6420	Odyniec 91B	mult
mult[charged$^-$] X	6400	Hafidouni 94	mult
hadron X	6390	Akesson 90E	et
	6420	Schukraft 91	et
hadron$^+$ X	6420	Takahashi 91	pt
hadron$^-$ X	6420	Takahashi 91	pt
K^0 X	6400	Andersen 94	p,pt
K_S X	6400	Andersen 92B	pt
		Andersen 92C	p,pt
Λ X	6400	Andersen 94	p,pt
		Andersen 94C	cs,pt
		Andersen 93	p
		Andersen 92B	pt
		Andersen 92C	p,pt
$\overline{\Lambda}$ X	6400	Andersen 94	p,pt
		Andersen 94C	cs,pt
		Andersen 93	p
		Andersen 92B	pt
		Andersen 92C	p,pt
Ξ^- X	6400	Andersen 94	cs
		Andersen 94C	cs
$\overline{\Xi}^+$ X	6400	Andersen 94	cs
		Andersen 94C	cs
fragb X	143.6	Sampsonidis 95	cs
$2\mu^-$ X + $2\mu^+$ X	6400	Baglin 91	mass
μ^- μ^+ X	6400	Baglin 91	mass
2hadron$^+$ X	6420	Takahashi 91	cor
hadron$^+$ hadron$^-$ X	6420	Takahashi 91	cor
2hadron$^-$ X	6420	Takahashi 91	cor
$2\pi^+$ X	6400	Beker 94B	cor,pt
		Boggild 94B	angp,cor
		Beker 93	angp,cor,pt
π^+ π^- X	6400	Boggild 92	angp,cor
	6420	Odyniec 91B	mass
$2\pi^-$ X	6400	Boggild 94B	angp,cor
K^0 mult[charged$^-$] X	6400	Andersen 94	mult,p,pt
K_S mult[charged$^-$] X	6400	Andersen 93	cor,mult
		Andersen 92B	cor,mult
$2K^+$ X	6400	Beker 94B	cor,pt
		Beker 94C	cor,pt
		Beker 93	angp,cor,pt
$2K^-$ X	6400	Beker 94C	cor,pt
		Beker 93	angp,cor,pt
$J/\psi(1S)$ (neutrals) X	6400	Baglin 91	cor,cs,et
p π^- X	6420	Odyniec 91B	mass
$\overline{p}$ π^+ X	6420	Odyniec 91B	mass
Λ mult[charged$^-$] X	6400	Andersen 94	mult,p,pt
		Andersen 93	cor,mult
		Andersen 92B	cor,mult
		Andersen 92C	cor,mult
$\overline{\Lambda}$ mult[charged$^-$] X	6400	Andersen 94	mult,p,pt
		Andersen 93	cor,mult
		Andersen 92B	cor,mult
Λ π^- X	6400	Andersen 94	mass
$\overline{\Lambda}$ π^+ X	6400	Andersen 94	mass
		Andersen 94C	mass
μ^- μ^+ (neutrals) X	6400	Baglin 91	cor,cs,et

^{32}S U

hadron X	6390	Akesson 90E	et
	6420	Schukraft 91	et
π^+ X	6420	Abreu 92M	pt
π^- X	6420	Abreu 92M	pt
ω X + ρ^0 X	6400	Baglin 91D	a-dep
	6420	Odyniec 91B	et,mult
K^+ X	6420	Abreu 92M	pt
K^- X	6420	Abreu 92M	pt
$\phi(1020)$ X	6400	Baglin 91D	a-dep
	6420	Odyniec 91B	et,mult

^{32}S U

$J/\psi(1S)$ X

6390	Baglin 92B	cs,pt
6400	Baglin 95B	cs
	Baglin 94	cs
	Baglin 91E	cs
6420	Baglin 91B	pt
	Baglin 91C	pt
	Odyniec 91B	et,mult

$\psi(2S)$ X

6400	Baglin 95B	cs
	Baglin 94	cs

$\mu^- \mu^+$ X

6390	Baglin 92B	mass
6400	Baglin 95	mass
	Baglin 95B	mass
	Baglin 94	mass
	Baglin 91D	mass
6420	Baglin 91B	pt
	Baglin 91C	pt
	Jacob 91	et
	Odyniec 91B	mass

π^+ (neutrals) X

6420	Abreu 92M	et,pt

π^- (neutrals) X

6420	Abreu 92M	et,pt

ω (neutrals) X + ρ (neutrals) X

6390	Baglin 92B	cor,cs,et

ω (neutrals) X + ρ^0 (neutrals) X

6400	Baglin 91D	cs,et

K^+ (neutrals) X

6420	Abreu 92M	et,pt

K^- (neutrals) X

6420	Abreu 92M	et,pt

$\phi(1020)$ (neutrals) X

6390	Baglin 92B	cor,cs,et
6400	Baglin 91D	cs,et

$J/\psi(1S)$ (neutrals) X

6390	Baglin 92B	cor,cs,et,pt
	Abreu 91E	et,pt
6400	Baglin 95B	cs,et
	Baglin 94	cs,et
	Baglin 91E	et
6420	Baglin 91B	cor,et,pt
	Baglin 91C	cor,et,pt

$\psi(2S)$ (neutrals) X

6400	Baglin 95B	cs,et
	Baglin 94	cs,et

$\mu^- \mu^+$ (neutrals) X

6390	Baglin 92B	pt
	Abreu 91E	et,pt
6400	Baglin 94	et,mass
	Baglin 91D	cs,et
6420	Baglin 91B	cor,et,pt
	Baglin 91C	cor,et,pt

^{36}Ar p

fragb X

31.05 – 56.52	Chen 94	cs

^{36}Ar nucleus

frag X

12.74	Barz 92	angp

^{36}Ar ^{27}Al

π^0 X

15.53	Badala 96	angp,mult,p

2charged X

11.69 – 15.53	Buta 95	cor

2γ X

15.53	Badala 95	ang,p

π^0 mult[charged] X

15.53	Badala 96	angp,mult,p

^{36}Ar ^{48}Ti

K^+ X

15.27	Julien 91	cs

^{36}Ar ^{58}Ni

π^0 X

15.53	Badala 96	angp,mult,p

π^0 mult[charged] X

15.53	Badala 96	angp,mult,p

^{36}Ar Ag

n X

9.278	Sackett 91	angp,p

^{36}Ar ^{112}Sn

π^0 X

15.53	Badala 96	angp,mult,p

π^0 mult[charged] X

15.53	Badala 96	angp,mult,p

^{36}Ar ^{197}Au

π^0 X

15.53	Badala 96	angp,mult,p

frag X

11.13 – 16.77	Phair 92	angp,p

π^0 mult[charged] X

15.53	Badala 96	angp,mult,p

Ar nucleus

π^0 X

11.43	Batkin 91	cs,p

$2\pi^-$ X

100.8	Christie 92	cor,p

Ar C

fragb X

94.4	Brady 94	a-dep,cs

Ar Fl

π^+ X

37.48 – 47.84	Poitou 92	col

π^- X

37.48 – 47.84	Poitou 92	col

Ar Na

π^+ X

37.48 – 47.84	Poitou 92	col

π^- X

37.48 – 47.84	Poitou 92	col

Ar Ca

π^0 X

66.51	Schwalb 94	cs,mult,pt
	Berg 91	cs,p,pt

η X

66.51	Berg 91	cs,p,pt
66.51 – 88.18	Berg 94	cs,pt

mult[π^0] mult[charged] X

66.51	Schwalb 94	cor,mult

2γ X

66.51 – 88.18	Berg 94	mass

$2p$ X

25.33 – 66.51	Dupieux 91	cor
37.48	Dupieux 91	cor

He deuteron X

57.41	Dupieux 91	cor,p

Ar Nb

π^+ X

37.48 – 47.84	Poitou 92	col

π^- X

37.48 – 47.84	Poitou 92	col

$2p$ X

25.33 – 66.51	Dupieux 91	cor
37.48	Dupieux 91	cor

Ar La

$2\pi^-$ X

100.8	Christie 92	cor

Ar Pb

π^+ X

37.48 – 47.84	Poitou 92	col

π^- X

37.48 – 47.84	Poitou 92	col
57.41 – 100.8	Beavis 92	p

p X

37.48 – 100.8	Beavis 92	p

deuteron X

37.48 – 100.8	Beavis 92	p

$2p$ X

25.33 – 66.51	Dupieux 91	cor
37.48	Dupieux 91	cor

He deuteron X

57.41	Dupieux 91	cor,p

$2\pi^-$ (π^-'s) X

100.8	Zhang 93	col

2frag mult[charged] X

37.48	Jiang 92	ang,cor

2frag (frags) mult[charged] X

37.48	Jiang 92	ang,col

^{40}Ar p

inelastic

30.36	Dudkin 94	cs
	Bogdanov 93	a-dep,cs

shower X

30.36	Dudkin 94	mult

grey X

30.36	Dudkin 94	mult

black X

30.36	Dudkin 94	mult

fragb X

30.36	Bogdanov 94	mult
34.5 – 62.7	Chen 94	cs

^{40}Ar nucleus

shower X

30.36	Dudkin 94	mult
	Bogdanov 93	a-dep,mult

grey X

30.36	Dudkin 94	mult
	Bogdanov 93	a-dep,mult

black X

30.36	Dudkin 94	mult
	Bogdanov 93	a-dep,mult

fragb X

30.36	Bogdanov 94	mult,pt

$2\pi^-$ X

103.6	Chacon 91	angp,cor

^{40}Ar C

inelastic

30.36	Dudkin 94	cs
	Bogdanov 93	a-dep,cs

^{40}Ar Nit

inelastic

30.36	Dudkin 94	cs
	Bogdanov 93	a-dep,cs

^{40}Ar O

inelastic

30.36	Dudkin 94	cs
	Bogdanov 93	a-dep,cs

^{40}Ar Al

charged X

9.204 – 16.28	Shen 93	col

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^{40}Ar Cl

2π^- X
102.7 Christie 91 cor

^{40}Ar KK

2π^- X
102.7 Christie 91 cor

^{40}Ar ^{40}Ca

n X
6.714 Obserstedt 92 angp,p

frag X
6.714 Obserstedt 92 angp

^{40}Ar ^{45}Sc

mult[frag] X
6.714 – 19.08 Llope 95 a-dep,col,mult

^{40}Ar Br

inelastic
30.36 Dudkin 94 cs
Bogdanov 93 a-dep,cs

^{40}Ar ^{103}Rh

mult[n] fragb X
9.036 – 11.59 Morjean 91 angp,cor,mult,p

^{40}Ar Ag

inelastic
30.36 Dudkin 94 cs
Bogdanov 93 a-dep,cs

^{40}Ar La

2π^- X
102.7 Christie 91 cor

^{40}Ar ^{197}Au

frag X
9.532 Milkau 91 cs
27.08 Milkau 91 cs

C X
9.532 Milkau 91 angp,p
27.08 Milkau 91 angp,p

mult[n] fragb X
9.036 – 11.59 Morjean 91 angp,cor,mult,p

^{40}Ar ^{238}U

frag$^-$ X
102.7 Deboer 91 cs

Ca Ca

e^- e^+ X
67.73 Huang 91 mass
67.73 – 113.3 Seidl 91 mass

^{40}Ca p

fragb X
34.5 – 62.7 Chen 94 cs

^{52}Cr p

fragb X
44.33 – 80.56 Chen 94 cs

^{56}Fe p

inelastic
59.39 Dudkin 94 cs
Bogdanov 93 a-dep,cs

shower X
59.39 Dudkin 94 mult

grey X
59.39 Dudkin 94 mult

black X
59.39 Dudkin 94 mult

fragb X
59.39 Bogdanov 94 mult

^{56}Fe p

He X
140 Ameeva 94 a-dep,pt

^{56}Fe nucleus

mult[He] X
148.6 Fukshima 91 cs,mult

mult[fragb] X
148.6 Fukshima 91 cs,mult
161.6 Jain 93D col,mult

mult[shower] X
148.6 Fukshima 91 cs,mult

mult[htrack] X
148.6 Fukshima 91 cs,mult

shower X
59.39 Dudkin 94 mult
Bogdanov 93 a-dep,mult

grey X
59.39 Dudkin 94 mult
Bogdanov 93 a-dep,mult

black X
59.39 Dudkin 94 mult
Bogdanov 93 a-dep,mult

p X
143.8 Dudkin 91 mult,p,pt

fragb X
59.39 Bogdanov 94 mult,pt

^{4}He X
143.8 Dudkin 91 mult,p,pt

He X
140 Ameeva 94 a-dep,pt
148.6 Fukshima 91 angp

mult[He] mult[shower] X
148.6 Fukshima 91 cs

p mult[htrack] X
143.8 Dudkin 91 mult,p,pt

^{4}He mult[htrack] X
143.8 Dudkin 91 mult,p,pt

He mult[shower] X
148.6 Fukshima 91 angp

2He X
149.7 Belaga 95D ang,mass

(showers) 2shower X
140 Belaga 95F ang,col,cor

2grey (greys) X
140 Belaga 95F ang,col,cor

2black (blacks) X
140 Belaga 95F ang,col,cor

mult[htrack] 3fragb (fragbs) X
137.8 Jain 94B angp,cor,mult

(He's) 3^{4}He mult[htrack] X
137.8 Jain 94B angp,cor,mult

^{56}Fe C

inelastic
59.39 Dudkin 94 cs
Bogdanov 93 a-dep,cs

^{56}Fe Nit

inelastic
59.39 Dudkin 94 cs
Bogdanov 93 a-dep,cs

^{56}Fe O

inelastic
59.39 Dudkin 94 cs
Bogdanov 93 a-dep,cs

^{56}Fe Fe

2π^- X
137.8 Chacon 91 angp,cor

^{56}Fe Br

inelastic
59.39 Dudkin 94 cs
Bogdanov 93 a-dep,cs

^{56}Fe Ag

inelastic
59.39 Dudkin 94 cs
Bogdanov 93 a-dep,cs

^{56}Fe Ta

fragt fragb X
2.8 – 5.6 Sangster 95 ang,cor,p,pt

^{56}Fe Au

fragt fragb X
2.8 – 5.6 Sangster 95 ang,cor,p,pt

^{56}Fe Th

fragt fragb X
2.8 – 5.6 Sangster 95 ang,cor,p,pt

^{58}Ni p

fragb X
50.03 – 91.06 Chen 94 cs

^{58}Ni Be

fragb X
74.13 Blank 94 a-dep,cs

^{40}Sc X
74.13 Blank 94 a-dep,cs

^{41}Sc X
74.13 Blank 94 a-dep,cs

^{42}Sc X
74.13 Blank 94 a-dep,cs

^{43}Sc X
74.13 Blank 94 a-dep,cs

^{44}Sc X
74.13 Blank 94 a-dep,cs

^{40}Ti X
74.13 Blank 94 a-dep,cs

^{42}Ti X
74.13 Blank 94 a-dep,cs

^{45}Ti X
74.13 Blank 94 a-dep,cs

^{46}Ti X
74.13 Blank 94 a-dep,cs

^{46}Va X
74.13 Blank 94 a-dep,cs

^{48}Va X
74.13 Blank 94 a-dep,cs

^{48}Cr X
74.13 Blank 94 a-dep,cs

^{50}Cr X
74.13 Blank 94 a-dep,cs

^{50}Mn X
74.13 Blank 94 a-dep,cs

^{52}Mn X
74.13 Blank 94 a-dep,cs

^{52}Fe X
74.13 Blank 94 a-dep,cs

^{53}Fe X
74.13 Blank 94 a-dep,cs

^{54}Fe X
74.13 Blank 94 a-dep,cs

^{54}Co X
74.13 Blank 94 a-dep,cs

^{55}Co X
74.13 Blank 94 a-dep,cs

^{56}Co X
74.13 Blank 94 a-dep,cs

^{56}Ni X
74.13 Blank 94 a-dep,cs

^{58}Ni Be

^{57}Ni X
74.13 Blank 94 a-dep,cs

^{58}Ni ^{58}Ni

K^+ X
98.04 Ritman 95 p,pt
K_S X
98.04 Ritman 95 p,pt
p X
98.04 Ritman 95 p,pt
Λ X
98.04 Ritman 95 p,pt
$\pi^+ \pi^-$ X
98.04 Ritman 95 mass
$p\ \pi^-$ X
98.04 Ritman 95 mass

^{58}Ni Ni

π^- X
140.3 – 152 Schroeter 94 p
K^- X
140.3 – 152 Schroeter 94 p
$\bar{p}$ X
140.3 – 152 Schroeter 94 p

Ni Cu

p frag (frags) X
161.7 Justice 95 col,p
Λ frag (frags) X
161.7 Justice 95 col,p

^{64}Zn ^{48}Ti

2charged X
16.35 – 24.85 Buta 95 cor

^{64}Zn ^{58}Ni

2charged X
16.35 – 24.85 Buta 95 cor

^{78}Kr ^{58}Ni

fragb X
29.52 Pfaff 96 a-dep,cs

^{84}Kr p

X
85.6 – 188.7 Nilsen 95 a-dep,cs
fragb X
85.6 – 188.7 Nilsen 95 a-dep,cs

^{84}Kr nucleus

mult[fragb] X
190.5 Jain 93C col,mult
Jain 93D col,mult
mult[htrack] 3fragb (fragbs) X
190.5 Jain 94B angp,cor,mult
(He's) 3^{4}He mult[htrack] X
190.5 Jain 94B angp,cor,mult

^{84}Kr ^{7}Li

π^+ X
28.53 Perrin 92 p
π^- X
28.53 Perrin 92 p

^{84}Kr C

X
85.6 – 188.7 Nilsen 95 a-dep,cs
fragb X
85.6 – 188.7 Nilsen 95 a-dep,cs

^{84}Kr Al

X
85.6 – 188.7 Nilsen 95 a-dep,cs

^{84}Kr Al

fragb X
85.6 – 188.7 Nilsen 95 a-dep,cs

^{84}Kr ^{27}Al

π^+ X
28.53 Perrin 92 p
π^- X
28.53 Perrin 92 p

^{84}Kr ^{59}Co

fragb X
53.96 Donzaud 95 angp
p fragb X
53.96 Donzaud 95 cs
^{4}He fragb X
53.96 Donzaud 95 cs

^{84}Kr Cu

X
85.6 – 188.7 Nilsen 95 a-dep,cs
fragb X
85.6 – 188.7 Nilsen 95 a-dep,cs

^{84}Kr ^{93}Nb

mult[frag] X
21.65 – 32.03 Llope 95 a-dep,col,mult

^{84}Kr ^{108}Ag

π^+ X
28.53 Perrin 92 p
π^- X
28.53 Perrin 92 p

^{84}Kr Sn

X
85.6 – 188.7 Nilsen 95 a-dep,cs
fragb X
85.6 – 188.7 Nilsen 95 a-dep,cs

^{84}Kr ^{197}Au

mult[charged] X
21.65 – 30.8 Peaslee 94 mult
37.22 – 79.92 Peaslee 94 mult
mult[frag] X
21.65 – 30.8 Peaslee 94 mult
37.22 – 79.92 Peaslee 94 mult
π^+ X
28.53 Perrin 92 p
π^- X
28.53 Perrin 92 p
frag X
24.05 Stuttge 92 angp,p
fragb X
53.96 Donzaud 95 angp
mult[frag] mult[charged] X
21.65 – 30.8 Peaslee 94 mult
37.22 – 79.92 Peaslee 94 mult

^{84}Kr Pb

X
85.6 – 188.7 Nilsen 95 a-dep,cs
fragb X
85.6 – 188.7 Nilsen 95 a-dep,cs

Kr p

Cd X
87.25 – 184.2 Nilsen 94 a-dep,cs

Kr nucleus

multicharged X
87.25 – 184.2 Nilsen 94 a-dep,cs
Cd X
87.25 – 184.2 Nilsen 94 a-dep,cs

Kr nucleus

(showers) 2shower X
116.2 Ghosh 94B ang,col
2grey (greys) X
116.2 Ghosh 94B ang,col
2black (blacks) X
116.2 Ghosh 94B ang,col
grey (greys) (showers) shower X
116.2 Ghosh 94B ang,col
black (blacks) (showers) shower X
116.2 Ghosh 94B ang,col
black (blacks) grey (greys) X
116.2 Ghosh 94B ang,col

Kr Be

fragb X
90.56 Weber 92 cs

Kr C

Cd X
87.25 – 184.2 Nilsen 94 a-dep,cs

Kr Al

Cd X
87.25 – 184.2 Nilsen 94 a-dep,cs

Kr Cu

Cd X
87.25 – 184.2 Nilsen 94 a-dep,cs

Kr Zr

π^0 X
140.9 Schwalb 94 cs,mult,pt
mult[π^0] mult[charged] X
140.9 Schwalb 94 cor,mult

Kr Sn

Cd X
87.25 – 184.2 Nilsen 94 a-dep,cs

Kr Pb

Cd X
87.25 – 184.2 Nilsen 94 a-dep,cs

^{86}Kr ^{9}Be

fragb X
93.48 Weber 94 cs,p

^{86}Kr Cu

fragb X
93.48 Weber 94 cs,p

^{86}Kr Zr

η X
145.5 Berg 94 cs,pt
2γ X
145.5 Berg 94 mass

^{86}Kr Ta

fragb X
93.48 Weber 94 cs,p

^{86}Kr ^{197}Au

^{194}Au X
145.5 Aumann 94 cs
^{196}Au X
145.5 Aumann 94 cs
^{196}Au ^{86}Kr n
145.5 Aumann 93 cs
^{194}Au ^{86}Kr $3n$
145.5 Aumann 93 cs

Nb C

fragb X
222.1 Brady 94 a-dep,cs,pt

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Nb Nb

n X
87.89 Elaasar 94 angp,p
$2e^-$ X
161.4 Beedoe 93 mass
$2\pi^-$ X
211.2 Chacon 91 angp,cor
$2e^-$ mult[charged] X
161.4 Beedoe 93 mult

Ag p

X
109.5 – 240.9 Nilsen 95 a-dep,cs
fragb X
109.5 – 240.9 Nilsen 95 a-dep,cs
Cd X
1231 Nilsen 94 a-dep,cs

Ag nucleus

multicharged X
1231 Nilsen 94 a-dep,cs
Cd X
1231 Nilsen 94 a-dep,cs

Ag Li

X
109.5 – 240.9 Nilsen 95 a-dep,cs
fragb X
109.5 – 240.9 Nilsen 95 a-dep,cs
Cd X
1231 Nilsen 94 a-dep,cs

Ag C

X
109.5 – 240.9 Nilsen 95 a-dep,cs
fragb X
109.5 – 240.9 Nilsen 95 a-dep,cs
Cd X
1231 Nilsen 94 a-dep,cs

Ag Al

X
109.5 – 240.9 Nilsen 95 a-dep,cs
fragb X
109.5 – 240.9 Nilsen 95 a-dep,cs
Cd X
1231 Nilsen 94 a-dep,cs

Ag Cu

X
109.5 – 240.9 Nilsen 95 a-dep,cs
fragb X
109.5 – 240.9 Nilsen 95 a-dep,cs
Cd X
1231 Nilsen 94 a-dep,cs

Ag Sn

X
109.5 – 240.9 Nilsen 95 a-dep,cs
fragb X
109.5 – 240.9 Nilsen 95 a-dep,cs
Cd X
1231 Nilsen 94 a-dep,cs

Ag Pb

X
109.5 – 240.9 Nilsen 95 a-dep,cs
fragb X
109.5 – 240.9 Nilsen 95 a-dep,cs
Cd X
1231 Nilsen 94 a-dep,cs

Xe La

$2\pi^-$ X
251.3 Christie 92 cor
336.6 Christie 91 cor

^{129}Xe ^{27}Al

^{123}Cs X
186.8 Summerer 95 a-dep,cs
^{125}Cs X
186.8 Summerer 95 a-dep,cs
^{127}Cs X
186.8 Summerer 95 a-dep,cs
^{129}Cs X
186.8 Summerer 95 a-dep,cs
Cs X
186.8 Summerer 95 a-dep,cs

^{129}Xe Cu

mult[frag] X
37.7 Bruno 94 mult
frag X
37.7 Bruno 94 angp,cs,p

^{129}Xe ^{139}La

mult[frag] X
28.03 – 41.8 Llope 95 a-dep,col,mult

^{129}Xe ^{197}Au

γ X
37.37 Mayer 92 cs
π^0 X
37.37 Mayer 92 cs,pt

^{131}Xe nucleus

mult[frag] X
254.1 Singh 92 col,mult
mult[fragb] X
254.1 Jain 93C col,mult
frag X
254.1 Singh 92 mass,mult

^{132}Xe p

shower X
45.51 Basova 95B p

^{132}Xe nucleus

mult[shower] X
222.1 Basova 95 mult
mult[grey] X
222.1 Basova 95 mult
mult[htrack] X
222.1 Basova 95 mult
mult[black] X
222.1 Basova 95 mult
shower X
45.51 Basova 95B p
222.1 Basova 95 mult
grey X
45.51 Basova 95B angp
222.1 Basova 95 mult
black X
45.51 Basova 95B angp
222.1 Basova 95 mult
mult[grey] mult[shower] X
222.1 Basova 95 cor,mult
mult[htrack] mult[shower] X
222.1 Basova 95 cor,mult
mult[htrack] mult[grey] X
222.1 Basova 95 cor,mult
mult[black] mult[shower] X
222.1 Basova 95 cor,mult
mult[black] mult[grey] X
222.1 Basova 95 cor,mult
mult[htrack] mult[black] X
222.1 Basova 95 cor,mult

^{136}Xe Be

fragb X
198.5 Hanelt 93 p

^{136}Xe C

C fragb (fragbs)
182.2 Schmidt 93B cs,p

^{136}Xe Pb

Pb fragb (fragbs)
182.2 Schmidt 93B cs,p

^{139}La p

fragb X
266.5 Christie 93B a-dep,cs,pt

^{139}La nucleus

htrack X
250 Palsania 91 angp,mult
fragb X
250 Palsania 91 angp,mult
mult[He] mult[charged] X
266.5 Gill 91 mult
mult[fragb] mult[charged] X
266.5 Gill 91 mult
mult[He] mult[htrack] X
266.5 Gill 91 mult
mult[htrack] mult[fragb] X
266.5 Gill 91 mult
shower mult[charged] X
266.5 Gill 91 mult,p
mult[htrack] shower X
266.5 Gill 91 mult,p
grey mult[charged] X
266.5 Gill 91 angp,mult
mult[htrack] grey X
266.5 Gill 91 angp,mult
black mult[charged] X
266.5 Gill 91 angp,mult
mult[htrack] black X
266.5 Gill 91 angp,mult
8htrack (htracks) 4fragb (fragbs) X
250 Palsania 91 col

^{139}La C

fragb X
266.5 Christie 93B a-dep,cs,pt

^{139}La ^{12}C

mult[frag] X
42.99 – 61.59 Bowman 91 angp,cor,p
frag X
35.83 – 38.35 Rousselchoma 93 angp,cs,p
2frag X
35.83 – 45.15 Rousselchoma 93 cor
π^- fragb X
198.8 Hashimoto 94 a-dep,cs,p,pt

^{139}La ^{27}Al

frag X
35.83 – 45.15 Rousselchoma 93 angp,cs,p
2frag X
35.83 – 45.15 Rousselchoma 93 cor

^{139}La ^{40}Ca

frag X
35.83 – 38.35 Rousselchoma 93 angp,cs,p

^{139}La ^{51}Va

frag X
35.83 – 45.15 Rousselchoma 93 angp,cs,p

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Au Al

mult[frag] X
239.5 Begemannblai 93 angp,cor,cs,mult

mult[fragb] X
239.5 Hubele 91 cor

charged X
2128 Barrette 95B cs,p
Voloshin 95 angp,pt

$\bar{p}$ X
2167 Beavis 95 p

frag X
239.5 Kreutz 93 cs

Hg X
2264 Nilsen 94 a-dep,cs

2frag X
239.5 Kreutz 93 cor

Au Cu

mult[frag] X
239.5 Begemannblai 93 angp,cor,cs,mult

mult[fragb] X
239.5 Hubele 91 cor

charged X
2128 Barrette 95B cs,p
Voloshin 95 angp,pt

$\bar{p}$ X
2167 Beavis 95 p

frag X
239.5 Kreutz 93 cs
2080 Stocker 95 a-dep,cs
Waddington 94 a-dep,cs

fragb X
239.5 Hubele 91 p

Hg X
2264 Nilsen 94 a-dep,cs

mult[p] mult[fragb] X
239.5 Hubele 91 cor

mult[deuteron] mult[fragb] X
239.5 Hubele 91 cor

mult[trit] mult[fragb] X
239.5 Hubele 91 cor

2frag X
239.5 Kreutz 93 cor

Au Ag

charged X
2285 Stocker 95 p
Adamovich 94 p

shower X
2285 Stocker 95 p
Adamovich 94 p
Otterlund 93 p

shower 0fragb X
2285 Stocker 95 p
Adamovich 94 p
Adamovich 94B p

shower fragb X
2285 Stocker 95 p
Adamovich 94 p

Au Sn

Hg X
2264 Nilsen 94 a-dep,cs

Au Pt

π^+ X
2266 Diebold 93 a-dep,angp,p

π^- X
2266 Diebold 93 a-dep,angp,p

K^+ X
2266 Diebold 93 a-dep,angp,p

K^- X
2266 Diebold 93 a-dep,angp,p

p X
2266 Saito 94 a-dep,angp,cs,p
Diebold 93 a-dep,angp,p

$\bar{p}$ X
2266 Diebold 93 a-dep,angp,p

deuteron X
2266 Saito 94 a-dep,angp,cs,p

^{3}H X
2266 Saito 94 a-dep,angp,cs,p

^{3}He X
2266 Saito 94 a-dep,angp,cs,p

^{4}He X
2266 Saito 94 a-dep,angp,cs,p

$^4H_{ss}$ X
2128 Rusek 95 cs

$^5He_{ss}$ X
2128 Rusek 95 cs

Au Au

X
2246 Barrette 94 pt

mult[He] X
2285 Adamovich 94C mult

mult[frag] X
42.7 Petrovici 95 mult
104.3 Alard 92 mult
239.5 Begemannblai 93 angp,cor,cs,mult

charged X
2128 Barrette 95B cs,p
Barrette 95E et,p
Voloshin 95 angp,pt
2246 Stocker 95 pt
2285 Ashktorad 95 angp
Stocker 95 p
Adamovich 94 p

hadron X
2285 Ahle 94 cs,et,p

hadron (hadrons)
2128 Zhang 95B col,et,p
2246 Barrette 94D col,et

shower 0fragb X
2285 Stocker 95 p
Adamovich 94 p
Adamovich 94B p

shower X
2285 Stocker 95 p
Adamovich 94 p
Adamovich 94B p
Otterlund 93 p

π^+ X
333.3 Muntz 95 angp,p
Miskowiec 94 angp,p
2128 Barrette 95E p,pt
Zhang 95B p,pt
2285 Ashktorad 95 p,pt
Stocker 95 mult,p,pt
Gonin 94 pt
Hamagaki 94 p,pt

π^0 X
71.75 Venema 93 angp,pt
333.3 Schwalb 94 cs,mult,pt
2285 Ashktorad 95 angp

π^- X
2128 Barrette 95E p,pt
2285 Ashktorad 95 p,pt
Stocker 95 mult,p,pt
Gonin 94 pt
Hamagaki 94 p,pt

K^+ X
333.3 Miskowiec 94 angp,cs,p
2128 Barrette 95E p,pt
2285 Ashktorad 95 p
Stocker 95 mult,p,pt
Gonin 94 mult,p

K^- X
2128 Barrette 95E p,pt
2285 Ashktorad 95 p

p X
87.27 – 143.2 Poggi 95 mult,p
87.27 – 187.4 Dzelalija 95 mult,p
108.2 Dzelalija 95 p
143.2 – 366.7 Lisa 95 angp,p
333.3 Muntz 95 angp,p
Miskowiec 94 angp,p
366.7 Wang 95D angp,col,p,pt
2128 Barrette 95E p,pt
Beavis 95B angp,p,pt
Zhang 95B p,pt
2167 Shigaki 95 p,pt
2285 Ashktorad 95 p
Stocker 95 mult,p,pt
Gonin 94 p,pt
2305 Stocker 95 angp,p
Kaufman 94B angp,p

$\bar{p}$ X
2128 Beavis 95B angp,p,pt
2167 Beavis 95 p
Beavis 95C p
2246 Stocker 95 p
Hayano 94 p

X strangelet
2128 Beavis 95B angp,p,pt

nucleus X
2128 Beavis 95B angp,p,pt

frag X
87.27 – 187.4 Dzelalija 95 mult,p
Kotte 95 a-dep,ang,cor,p
87.27 – 333.3 Kunde 95 mass,p
104.3 Alard 92 p,pt
143.2 Petrovici 95 p,pt
143.2 – 366.7 Partlan 95 mult,p
239.5 Pochodzalla 95 cs,p

deuteron X
87.27 – 143.2 Poggi 95 mult,p
143.2 – 366.7 Lisa 95 angp,p
366.7 Wang 95D angp,col,p,pt
2128 Beavis 95B angp,p,pt

$\overline{\text{deuteron}}$ X
2128 Beavis 95B angp,p,pt

^{3}H X
87.27 – 143.2 Poggi 95 mult,p
143.2 – 366.7 Lisa 95 angp,p
2128 Beavis 95B angp,p,pt

^{3}He X
87.27 – 143.2 Poggi 95 mult,p
143.2 – 366.7 Lisa 95 angp,p
2128 Beavis 95B angp,p,pt

^{4}He X
87.27 – 143.2 Poggi 95 mult,p
143.2 – 366.7 Lisa 95 angp,p
2128 Beavis 95B angp,p,pt

He X
108.2 Dzelalija 95 p
2285 Adamovich 94C angp,mult

Li X
108.2 Dzelalija 95 p

^{6}Li X
2128 Beavis 95B angp,p,pt

Au Au

Reaction	Momentum	Paper	Descriptors
Bor X	108.2	Dzelalija 95	p
C X	108.2	Dzelalija 95	p
mult[π^0] mult[charged] X	333.3	Schwalb 94	cor,mult
charged (chargeds) X	108.2 – 287.5	Kuhn 93	angp,col,mult,p,pt
2γ X	71.75	Venema 93	ang,mass
π^+ mult[charged] X	333.3	Muntz 95	angp,mult,p
		Miskowiec 94	angp,cor,mult
2π^+ X	2128	Barrette 95E	cor
		Miskowiec 95	cor
π^+ π^- X	2128	Barrette 95E	cor
2π^- X	2128	Barrette 95E	cor
		Miskowiec 95	cor
K^+ mult[charged] X	333.3	Miskowiec 94	angp,cor,mult
p mult[charged] X	333.3	Muntz 95	angp,mult,p
n mult[charged] X	87.27 – 251.8	Zhang 95C	ang,angp,col,mult,p,pt
$\bar{p}$ mult[charged] X	2167	Beavis 95C	mult,p
frag mult[charged] X	87.27 – 333.3	Kunde 95	cor,mass,mult
shower fragb X	2285	Stocker 95	p
		Adamovich 94	p
		Adamovich 94B	p
He mult[shower] X	2285	Adamovich 94C	cor,mult,pt

Au Pb

Reaction	Momentum	Paper	Descriptors
mult[frag] X	239.5	Begemannblai 93	angp,cor,cs,mult
frag X	239.5	Kreutz 93	cs
	2080	Stocker 95	a-dep,cs
		Waddington 94	a-dep,cs
fragb X	299.1 – 333.3	Rusch 94	mass,mult,pt
Hg X	2264	Nilsen 94	a-dep,cs
2frag X	239.5	Kreutz 93	cor
3fragb X	299.1 – 333.3	Rusch 94	ang,cor

Au U

Reaction	Momentum	Paper	Descriptors
charged X	2128	Barrette 95B	cs,p
		Voloshin 95	angp,pt

^{197}Au p

Reaction	Momentum	Paper	Descriptors
fragb X	2157	Hirzebruch 95	cs
	2276	Geer 95	a-dep,cs

^{197}Au nucleus

Reaction	Momentum	Paper	Descriptors
inelastic	2276	Singh 94	cs
mult[He] X	2276	Singh 94	cs
mult[fragb] X	330.4	Lewenkopf 91	mult,p
mult[shower] X	2474	Adamovich 95H	mult,p
shower 0fragb X	2474	Adamovich 95H	p
shower X	2474	Adamovich 95H	p
fragb X	330.4	Dreute 91	mult,pt
	2276	Geer 95	a-dep,cs
		Jain 95	pt
		Jain 94	cs
^{4}He X	2276	Jain 95	pt
He X	2276	Singh 94	angp,mult,pt
2shower X	2276	Mukhopadhyay 95	angp,cor,p
fragb (fragbs) X	2276	Jain 95	ang,col,p,pt
mult[^{4}He] fragb X	2276	Jain 94	a-dep,cor,mult
2He X	2276	Singh 94	cor
2shower mult[shower] X	2276	Mukhopadhyay 95	cor,mult,p
3shower X	2276	Mukhopadhyay 95	angp,cor,p
2grey (greys) X	2276	Cherry 96	a-dep,col,mult
2fragb (fragbs) X	2276	Cherry 96	a-dep,col,mult
2He (He's) X	2276	Cherry 96	a-dep,col,mult
3shower mult[shower] X	2276	Mukhopadhyay 95	cor,mult,p
3fragb (fragbs) X	2276	Jain 94B	angp,cor
(He's) 3^{4}He X	2276	Jain 94B	angp,cor
mult[shower] 3fragb (fragbs) X	2276	Jain 94B	angp,cor,mult
mult[htrack] 3fragb (fragbs) X	2276	Jain 94B	angp,cor,mult
(He's) 3^{4}He mult[htrack] X	2276	Jain 94B	angp,cor,mult
(showers) 5shower X	2474	Adamovich 95H	p
(showers) 50shower fragb X	2276	Singh 94B	col,mult,p
(showers) 300shower X	2474	Adamovich 95H	p

^{197}Au C

Reaction	Momentum	Paper	Descriptors
X	2435	He 94	cs
mult[fragb] X	240.7	Botvina 95	a-dep,col,cs
fragb X	2157	Hirzebruch 95	cs
	2276	Geer 95	a-dep,cs
	2435	He 94	cs
Hg X	2240	He 93	cs

^{197}Au Al

Reaction	Momentum	Paper	Descriptors
X	2257	Barrette 93B	et,p
	2435	He 94	cs
mult[fragb] X	240.7	Botvina 95	a-dep,col,cs
fragb X	334	Hanelt 93	p
	2157	Hirzebruch 95	cs
	2276	Geer 95	a-dep,cs
	2435	He 94	cs
Ir X	334	Schmidt 93	cs
Pt X	334	Schmidt 93	cs
Hg X	2240	He 93	cs

^{197}Au Fe

Reaction	Momentum	Paper	Descriptors
X	2435	He 94	cs
fragb X	2435	He 94	cs
Hg X	2240	He 93	cs

^{197}Au Cu

Reaction	Momentum	Paper	Descriptors
X	2435	He 94	cs
mult[fragb] X	240.7	Botvina 95	a-dep,col,cs
fragb X	2157	Hirzebruch 95	cs
	2276	Geer 95	a-dep,cs
	2435	He 94	cs
Hg X	2240	He 93	cs

^{197}Au Ag

Reaction	Momentum	Paper	Descriptors
fragb X	2157	Hirzebruch 95	cs

^{197}Au Sn

Reaction	Momentum	Paper	Descriptors
X	2435	He 94	cs
fragb X	2276	Geer 95	a-dep,cs
	2435	He 94	cs
Hg X	2240	He 93	cs

^{197}Au Au

Reaction	Momentum	Paper	Descriptors
X	2257	Barrette 93B	et,p

^{197}Au ^{197}Au

Reaction	Momentum	Paper	Descriptors
mult[p] X	188.3 – 288	Lambrecht 94	col
mult[n] X	188.3 – 288	Lambrecht 94	col
mult[frag] X	87.7 – 188.3	Tsang 93	angp,mult,p
$\pi^\pm$ X	334	Brill 93	angp,p
π^- X	121.1 – 139.3	Miller 93	angp
η X	334	Berg 94	cs,pt
frag X	12.15	Ramillien 95	col
	87.7 – 188.3	Tsang 93	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 $p_{\rm lab}$ in GeV/c, or in parentheses $E_{\rm cm}$ in GeV.

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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
Landsberg 91

$K^+\ K_S$

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

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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.

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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.

gravitino
- Adriani 92M

higgsino
- Akers 94J
- Jakobs 94

H_1^0
- Decamp 91M
- Dydak 91
- $\ell^+ \ell^-$
  - Akers 94Q
- $\tau^- \tau^+$
  - Adriani 92I
  - Adriani 92J
  - Sopczak 92B
  - Sopczak 92C
- 2jet
  - Akers 94Q
- $q\ \bar{q}$
  - Akers 94Q
- $\bar{b}\ b$
  - Adriani 92I
  - Adriani 92J
  - Sopczak 92B
  - Sopczak 92C
- $2A^0$
  - Akers 94Q
  - Adriani 92J
  - Sopczak 92B

A^0
- Bertin 95
- Buskulic 93L
- Felcini 92
- Sopczak 92
- Decamp 91M
- $\ell^+ \ell^-$
  - Akers 94Q
- $e^- e^+$
  - Akers 94Q
  - Buskulic 92B
- $\mu^- \mu^+$
  - Akers 94Q
- $\tau^- \tau^+$
  - Adriani 92I
  - Adriani 92J
  - Sopczak 92B
  - Sopczak 92C
  - Abreu 91J
  - Akrawy 90N
- 2jet
  - Akers 94Q
  - Borzumati 92
  - Abreu 91J
  - Decamp 91I
  - Akrawy 90N
- 2γ
  - Akers 94Q
  - Buskulic 92B
- $\bar{b}\ b$
  - Akers 94Q
  - Adriani 92I
  - Adriani 92J
  - Sopczak 92B
  - Sopczak 92C
- $\pi^+ \pi^0 \pi^-$
  - Akers 94Q

H_2^0
- Felcini 92
- Sopczak 92
- Decamp 91M
- 2neutral (neutrals)
  - Buskulic 93L
- $\ell^+ \ell^-$
  - Buskulic 93L
  - Borzumati 92
  - Decamp 91I
- $e^- e^+$
  - Janot 94
- $\mu^- \mu^+$
  - Janot 94
- $\tau^- \tau^+$
  - Janot 94
  - Adriani 92I
  - Adriani 92J
  - Sopczak 92B
  - Sopczak 92C
  - Abreu 91J
  - Decamp 91I
  - Akrawy 90N
- 2jet
  - Janot 94
  - Borzumati 92
  - Abreu 91J
  - Decamp 91I
  - Akrawy 90N
- $\bar{b}\ b$
  - Adriani 92I
  - Adriani 92J
  - Sopczak 92B
  - Sopczak 92C
- $2A^0$
  - Buskulic 93L
  - Adriani 92I
  - Adriani 92J
  - Borzumati 92
  - Buskulic 92B
  - Sopczak 92B
  - Sopczak 92C
  - Decamp 91I

H^+
- Borzumati 92
- Sopczak 92
- $\ell^+ \nu$
  - Yuzuki 91
- $\tau^+ \nu_\tau$
  - Abe 96
  - Abe 94E
  - Abe 94T
  - Jakobs 94
  - Abe 93ZI
  - Cobal 93
  - Adriani 92I
  - Adriani 92J
  - Alitti 92
  - Felcini 92
  - Sopczak 92B
  - Sopczak 92C
  - Decamp 91M
  - Dydak 91
  - Felcini 91
  - Albajar 90H
- 2jet
  - Abreu 94L
  - Yuzuki 91
- $q\ \bar{q}$
  - Decamp 91M
- $c\ \bar{s}$
  - Adriani 92I
  - Adriani 92J
  - Felcini 92
  - Sopczak 92B
  - Sopczak 92C
  - Simon 91
  - Albajar 90H

H^-
- Borzumati 92
- Felcini 92
- Sopczak 92
- $\ell^- \bar{\nu}$
  - Yuzuki 91
- $\tau^- \bar{\nu}_\tau$
  - Abe 96
  - Abe 94E
  - Abe 94T
  - Jakobs 94
  - Adriani 92I
  - Adriani 92J
  - Sopczak 92B
  - Sopczak 92C
  - Decamp 91M
  - Dydak 91
- 2jet
  - Abreu 94L
  - Yuzuki 91
- $q\ \bar{q}$
  - Decamp 91M
- $\bar{c}\ s$
  - Adriani 92I
  - Adriani 92J
  - Sopczak 92B
  - Sopczak 92C

$\tilde{\ell}$
- Decamp 91M

$\tilde{\ell}^-$
- Borzumati 92

$\tilde{\ell}^+$
- Borzumati 92

$\tilde{\nu}_e$
- Jakobs 94

$\bar{\tilde{\nu}}_e$
- Jakobs 94

$\tilde{e}^-$
- Borzumati 92
- e^- neutralino
  - Dydak 91
- e^- photino
  - Jakobs 94
  - Borzumati 92

$\tilde{e}^+$
- Borzumati 92
- e^+ photino
  - Jakobs 94

$\tilde{\mu}^-$
- Borzumati 92
- μ^- neutralino
  - Dydak 91
- μ^- photino
  - Borzumati 92

$\tilde{\mu}^+$
- Borzumati 92

$\tilde{\tau}^-$
- Borzumati 92
- τ^- neutralino
  - Dydak 91
- τ^- photino
  - Borzumati 92

$\tilde{\tau}^+$
- Borzumati 92

$\tilde{q}$
- Kiesling 94
- Cobal 93
- Hu 93
- Hu 93B
- Abe 92M
- Borzumati 92
- Keranen 91
- jet X
  - Hagopian 94
- (jets) 2jet X
  - Laasanen 91
- ν_e jet
  - Mclean 93
- e^- jet
  - Mclean 93
- q jet
  - Feltesse 94
- neutralino jet
  - Abachi 95F
  - Abachi 95L
  - Eno 95
- q photino
  - Hoftun 95

$\tilde{q}$
- Greenshaw 94
- Jakobs 94
- Kuhlmann 91
- q gluino
  - Abe 95ZH
  - Abe 94I
  - Jakobs 94
  - Kuhlmann 91
- neutralino 2jet
  - Abachi 95F
  - Abachi 95L
  - Eno 95
- $e^\pm\ 2q\ \bar{q}$
  - Ahmed 94

$\bar{\tilde{q}}$
- Keranen 91
- Kuhlmann 91
- jet X
  - Hagopian 94
- neutralino jet
  - Abachi 95F
  - Abachi 95L
  - Eno 95
- $\bar{q}$ photino
  - Jakobs 94
- $\bar{q}$ gluino
  - Abe 95ZH
  - Jakobs 94
- neutralino 2jet
  - Abachi 95F
  - Abachi 95L
  - Eno 95

$\tilde{t}$
- c neutralino
  - Abachi 95ZP
  - Shirai 94
  - Shirai 93

$\bar{\tilde{t}}$
- Shirai 94
- Shirai 93
- $\bar{c}$ neutralino
  - Abachi 95ZP

$\tilde{t}_1$
- c higgsino
  - Akers 94J

$\bar{\tilde{t}}_1$
- Akers 94J

ℓ^*
- $\ell\ \gamma$
  - Demin 94

ν^*
- Abreu 96
- e^- X
  - Dydak 91
- $\nu\ \gamma$
  - Acciarri 95L
  - Ahmed 94B
  - Brisson 94B
  - Derrick 94G
  - Kiesling 94
  - Abt 93C
  - Bardadinotwi 92
  - Bardadinotwi 92B
  - Dydak 91
- $\nu\ Z^0$
  - Ahmed 94B
  - Brisson 94B
  - Derrick 94G
- $e^-\ W^+$
  - Acciarri 95L
  - Ahmed 94B
  - Brisson 94B
  - Derrick 94G
- $e^-\ e^+$
  - Kiesling 94
  - Abt 93C

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$\pi_2(1670)$

$f_2(1270)\ \pi^0$
Karch 91
6γ
Karch 91

$\pi_2(1670)^+$

$\rho^0\ \pi^+$
Condo 91
$f_2(1270)\ \pi^+$
Condo 91

$\pi_2(1670)^0$

Lafferty 92
Karch 91
$\rho^+\ \pi^-$
Kriznic 94
$\rho^-\ \pi^+$
Kriznic 94
$3\pi^0$
Karch 91C

$\pi_2(1670)^-$

$\rho^0\ \pi^-$
Condo 91
$f_2(1270)\ \pi^-$
Zaitsev 94
Condo 91

$\rho_3(1690)$

$\omega\ \pi^0$
Alde 91G

$\rho_3(1690)^0$

Anisovich 95
Perepelitsa 91
Perepelitsa 90
$\pi^+\ \pi^-$
Aston 94
2η
Landsberg 90
$\omega\ \pi^0$
Alde 94C
Landsberg 94
Sadovsky 94
Alde 92
Landsberg 92
Landsberg 92B

$\rho(1700)^0$

$\pi^+\ \pi^-$
Castro 94
$\omega\ \pi^0$
Sadovsky 94
$\eta\ \pi^+\ \pi^-$
Castro 94
$\rho^0\ \pi^+\ \pi^-$
Behrend 90F

$f_J(1710)$

2γ
Harjes 91
2π
Burchell 92
$\pi^+\ \pi^-$
Armstrong 91
2η
Armstrong 94
Burchell 92
Karch 91C
Feindt 90
Prokoshkin 90
$K^0\ \overline{K}^0$
Feindt 90
$K^+\ K^-$
Frabetti 95
Gardner 95
Palano 92
Armstrong 91
Jin 91
Feindt 90
Prokoshkin 90
$2K_S$
Palano 92

$f_J(1710)$

Prokoshkin 90
$\rho^0\ \pi^+\ \pi^-$
Breakstone 93

$X(1740)$

$2\pi^0$
Alde 91B
Alde 91F
2η
Kulik 94
Sadovsky 94
Alde 91B
Alde 91F
$\eta'\ \eta$
Alde 91B
Alde 91F
$2K_S$
Kulik 94
Sadovsky 94

$X(1750)^-$

$f_0(975)\ \pi^-$
Zaitsev 94
$f_0(1400)\ \pi^-$
Zaitsev 94
$K^+\ K^-\ \pi^-$
Zaitsev 94

$\pi(1770)^-$

$\rho^0\ \pi^-$
Amelin 95B
$f_0(975)\ \pi^-$
Amelin 95B
Berdnikov 94
Berdnikov 94B
$a_0(980)^-\ \eta$
Amelin 95C
$f_0(1400)\ \pi^-$
Berdnikov 94
$f_0(1525)\ \pi^-$
Amelin 95C
$K^*(892)^0\ K^-$
Berdnikov 94B
$\pi^+\ 2\pi^-$
Amelin 95B
Amelin 95C
$2\eta\ \pi^-$
Amelin 95C
Bityukov 91
$\eta'\ \eta\ \pi^-$
Beladidze 92
Bityukov 91
$K^+\ K^-\ \pi^-$
Berdnikov 94
Berdnikov 94B

$f_2(1810)$

2γ
Harjes 91B
$2\pi^0$
Kondashov 95
Sadovsky 94
Aker 91
$\pi^+\ \pi^-$
Harjes 91B
$\eta\ 2\pi^0$
Bienlein 92

$X(1814)^-$

$f_0(1590)\ \pi^-$
Beladidze 92
$2\eta\ \pi^-$
Bityukov 91
$\eta'\ \eta\ \pi^-$
Bityukov 91

$\eta_2(1870)$

Bienlein 92
$\eta\ 2\pi^0$
Karch 91B

$X(1910)$

Sadovsky 94
$2\pi^0$
Alde 91C
2η
Alde 91C
2ω
Amsler 94E
Bityukov 91D
$\eta'\ \eta$
Alde 91C
$2\eta'$
Berdnikov 92B

$f_2(1920)$

$a_2(1320)^+\ \pi^-$
Antinori 95
$a_2(1320)^-\ \pi^+$
Antinori 95

$X(1950)$

$2\pi^+\ 2\pi^-$
Kirk 94

$a_4(2040)^0$

$\eta\ \pi^0$
Alde 95
Armstrong 94

$f_4(2050)$

$2\pi^0$
Kondashov 95
Armstrong 94
Hasan 94
Sadovsky 94
$\pi^+\ \pi^-$
Hasan 94
2ω
Bityukov 91D

$\rho(2110)^0$

$\omega\ \pi^0$
Sadovsky 94
Alde 92
Landsberg 92
Landsberg 92B

$f_2(2150)$

2η
Sadovsky 94
Singovsky 94

$\rho(2150)^0$

$\omega\ \pi^0$
Alde 94C
Landsberg 94

$X(2200)$

2η
Fan 94
Fan 94B
Feindt 90
$K^+\ K^-$
Fan 94
Fan 94B
Jin 91
$2K_S$
Fan 94
Fan 94B

$f_4(2220)$

Barnes 93
$2K_S$
Hertzog 92
$2\phi(1020)$
Hertzog 92

$\rho_5(2350)^0$

$\omega\ \pi^0$
Alde 94C
Landsberg 94
Sadovsky 94

$f_6(2510)$

$2\pi^0$
Sadovsky 94

$X(3250)$

Aleev 93B

strange

Barmin 94B
Ali 93
Ammosov 92B

K^+

$\mu^+\ \nu_\mu$
Koptev 95
Aoki 94
Imazato 92
Imazato 92B
Usher 92
e^+ heavy-ν
Baranov 92
μ^+ heavy-ν
Baranov 92
Imazato 92B
π^+ unspec
Adler 95B
Atiya 93
Atiya 92
π^+ neutral
Littenberg 93
Ritchie 93
π^+ longlived
Battiston 92
$\pi^+\ \gamma$
Imazato 92B
π^+ axion
Imazato 92B
π^+ meson^0
Alliegro 92
$\pi^+\ \pi^0$
Deshpande 93
Atiya 92B
Usher 92
Atiya 91B
$\mu^+\ \nu_\mu\ \gamma$
Kuno 94
μ^+ heavy-$\nu\ \gamma$
Imazato 92B
$\pi^+\ \nu\ \overline{\nu}$
Adler 95B
Atiya 93
Littenberg 93
Ritchie 93
Atiya 92
Drell 92B
Imazato 92B
Kuno 92
Atiya 91
$\pi^0\ e^+\ \nu$
Velev 93
$\pi^+\ e^-\ e^+$
Deshpande 93
Littenberg 93
Alliegro 92
$\pi^0\ e^+\ \nu_e$
Kuno 94
Akimenko 91
$\pi^+\ \mu^+\ e^-$
Littenberg 93
Ritchie 93
Drell 92B
$\pi^-\ \mu^+\ e^+$
Littenberg 91
$\pi^+\ \mu^-\ \mu^+$
Littenberg 93
Ritchie 93
$\pi^0\ \mu^+\ \nu_\mu$
Kuno 94
Imazato 92B
$\pi^-\ 2\mu^+$
Littenberg 91
$\pi^+\ 2\gamma$
Imazato 92B

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.

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D^0

D^0

D^0

D^0

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Σ^+

White 94B
Batusov 93
Drutskoi 93
Lach 93
Andryakov 92
Barlag 92B
Chen 92B
Dolgolenko 92
Lach 92
Appel 91

$p\,\gamma$

Lach 94
Smith 94B
Smith 94C
Timm 94
Cooper 93
Lach 93
Morelos 93C
Foucher 92
Lach 92
Foucher 91

$p\,\pi^0$

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

$n\,\pi^+$

Abreu 95C
Frabetti 95C
Fujino 95
Garbincius 95
Frabetti 94B
Johns 94
Zallo 93

Σ^0

Barmin 94B
Bockhorst 94
Eisenstein 94
Jungst 94
Kurshetsov 94
Landsberg 94C
Avery 93B
Lindemann 93
Alexopoulos 92
Buenerd 92
Karabarbouni 92C
Amsler 91
Balestra 91B
Gazdzicki 91
Yokosawa 91

$\Lambda\,\gamma$

Adam 96
Golovkin 95
Vavilov 95
Bergfeld 94
Deprospo 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

Σ^-

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

$n\,\pi^-$

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

$n\,e^-\,\overline{\nu}_e$

Ehrnsperger 95
Lach 94
Lach 93
Lach 92

$\overline{\Sigma}^+$

Abreu 95C

$\overline{\Sigma}^0$

Eisenstein 94
Deangelis 93
Alexopoulos 92
Karabarbouni 92C
Amsler 91
Gazdzicki 91

$\overline{\Lambda}\,\gamma$

Adam 96

$\overline{\Sigma}^-$

Abreu 95C
Eisenstein 94

$\overline{p}\,\gamma$

Smith 94B
Smith 94C
Cooper 93

$\overline{p}\,\pi^0$

Ammar 95
Bishai 95
Frabetti 95C
Fujino 95
Edwards 94
Lach 94
Smith 94B
Smith 94C
Cooper 93
Morelos 93
Morelos 93B

$\Sigma(1385\,P_{13})^+$

Ammar 95
Bergfeld 94
Aguilarbenit 91

$\Lambda\,\pi^+$

Abreu 95C
Jones 93B
Rensing 93
Acton 92D

$\Sigma(1385\,P_{13})^0$

Vavilov 94
Balatz 93

$\Lambda\,\pi^0$

Golovkin 95
Vavilov 95
Balatz 94B
Balatz 94C
Golovkin 94
Kurshetsov 94
Landsberg 94B
Landsberg 94C
Landsberg 93
Larson 93

$\Sigma(1385\,P_{13})^-$

Aguilarbenit 91
Landsberg 90

$\Lambda\,\pi^-$

Abreu 95C
Landsberg 94C
Deangelis 93
Jones 93B
Acton 92D

$\overline{\Sigma}(1385\,P_{13})^+$

Abreu 95C
Deangelis 93

$\overline{\Sigma}(1385\,P_{13})^-$

Abreu 95C

$\overline{\Lambda}\,\pi^-$

Ammar 95

$\Sigma(1660\,P_{11})^+$

Bergfeld 94

$\Sigma(1660\,P_{11})^0$

Bergfeld 94

Y^*(unspec)

Landsberg 94C

$\Xi\,K$

Landsberg 94C
Landsberg 90

$\Lambda\,K\,\overline{K}$

Landsberg 94C
Landsberg 90

$\Sigma\,K\,\overline{K}$

Landsberg 94C
Landsberg 90

Ξ

Landsberg 94C
Deangelis 93
Landsberg 90

Ξ^0

Alexopoulos 92
Buenerd 92
Geist 91

$\Lambda\,\pi^0$

Avery 95
Edwards 95B
Alexander 94
Avery 93

Ξ^-

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
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

$\Lambda\,\pi^-$

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

$\Sigma^-\,\gamma$

Albuquerque 94
Smith 94B
Cooper 93
Dubbs 93

$\Lambda\,e^-\,\overline{\nu}_e$

Ehrnsperger 95

$\overline{\Xi}^+$

Abatzis 95D
Abatzis 95E
Abreu 95C
Andersen 95
Fujino 95
Abatzis 94
Abatzis 94C
Andersen 94
Deangelis 93
Acton 92T

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.

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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.

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

Experiment: the experiment's number, where known.

$\boxed{\text{ANL}}$	
ANL-E-412	
DBC-12FT	Mann 86
ANL-E-435	
CNTR	Auer 86
SPEC	$\boxed{\text{Auer 86B}}$
WIRE	Auer 86
ANL-E-441	
$\boxed{\text{EMS}}$	Finley 85
ANL-E-447	
SPEC	Auer 88
ANL-E-451	
EMS	Wicklund 85
	Wicklund 87
BNL	
$\boxed{\text{BNL-673-593}}$	
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

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.

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.

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.

CESR

- Selen 93, Stone 93, Akerib 92, Alam 92, Alexander 92, Artuso 92, Avery 92, Battle 92, Bean 92, Bean 92B, Bortoletto 92, Butler 92, Drell 92, Heltsley 92, Procario 92, Procario 92B, Sanghera 92

CESR-CLEO-II
- CLEO-II: Urheim 94, Kroha 92B

CESR-CUSB
- CUSB: Besson 93
- CUSB-II: Besson 93

CESR-CUSB-II
- CLEO-II: Alexander 93
- CUSB-II: Wu 93, Heintz 92, Heintz 91, Narain 91, Wu 91, Yanagisawa 91

COSM

AKENO-AGASA
- AGASA: Hayashida 95, Yoshida 95, Hayashida 94

CHICAGO AIR SHOWER ARRAY
- CASA-MIA: Cronin 92

COSMIC RAY
- CNTR: Amenomori 93

FNAL-770
- LAB-E: Sakumoto 92

MT. STROMLO TELESCOPE
- SPEC: Alcock 95

UDERGROUND-MACRO
- MACRO: Aglietta 94B

UNDERGROUND-FREJUS
- FREJUS: Daum 95B, Barloutaud 93, Beier 92, Monch 91, Perdereau 91

UNDERGROUND-IMB
- IMB: Beckerszendy 94, Barloutaud 93, Losecco 93, Beckerszendy 92, Enqvist 92

UNDERGROUND-IMB-3
- IMB-III: Losecco 95, Barloutaud 93, Losecco 93, Beier 92, Totsuka 92, Beckerszendy 91, Casper 90

UNDERGROUND-KAMIOKANDE-I
- KAMIOKANDE-I: Barloutaud 93, Beier 92, Hirata 91C

UNDERGROUND-KAMIOKANDE-II
- KAMIOKANDE-I: Suzuki 93
- KAMIOKANDE-II: Vignaud 95, Fukuda 94, Barloutaud 93, Mori 93, Suzuki 93, Beier 92, Hirata 92, Kajita 92, Mori 92B, Totsuka 92, Hirata 91, Hirata 91C, Mori 91B, Mori 91C, Munakata 91, Yamada 91, Mori 90
- KAMIOKANDE-III: Vignaud 95, Fukuda 94, Kajita 92

UNDERGROUND-KGF
- KGF: Adarkar 91

UNDERGROUND-LSD
- LSD: Dadykin 93

UNDERGROUND-LVD
- LVD: Aglietta 95

UNDERGROUND-MACRO
- EAS-TOP: Aglietta 94
- MACRO: Ahlen 95, Ambrosio 95, Aglietta 94, Ahlen 94, Bloise 93, Grassi 93, Hong 93, Lamanna 93, Palamara 93, Ahlen 92, Ahlen 92B, Ahlen 92C

UNDERGROUND-MATSHUSHIRO
- MATSUSHIRO: Munakata 91

UNDERGROUND-NUSEX
- NUSEX: Barloutaud 93, Aglietta 91

UNDERGROUND-SOUDAN-II
- SOUDAN-II: Longley 95, Allison 93, Allison 93B, Barloutaud 93, Goodman 92, Thron 92, Thron 92B, Thomson 91

—
- ANI: Avakyan 93, Avakyan 93B, Avakyan 91D
- BAKSAN: Barloutaud 93, Voevodsky 93, Bakatanov 92
- BBR: Allen 93B
- BESS: Yoshimura 95
- CALO: Kornmayer 95, Adamov 94, Mielke 94, Golden 92, Ashitkov 91, Melku 91
- CASA-MIA: Borione 94
- CNTR: Antonov 95B, Glushkov 95, Hatano 95, Adamov 94, Bacci 94, Carrel 94, Eschstruth 94, Vildanova 94B, Wischnewski 94, Adamov 93, Adamov 93B, Atrashkevich 93, Bacci 93, Gupta 93, Nikolsky 93, Ticona 93, Amenomori 92, Bacci 92, Bacci 92B, Baillon 92, Bottino 92, Enomoto 92, Enomoto 92B, Bacci 91, Enomoto 91, Enomoto 91B, Tonwar 91
- COMB: Bellandi 95, Honda 93, Nikolsky 92
- EMUL: Apanasenko 94, Arisawa 94, Asakimori 94, Borisov 94, Kopenkin 94, Shivpuri 94, Zatsepin 94, Adamov 93, Adamov 93B, Apanasenko 93, Baradzei 93, Ghosh 93C, Ichimura 93, Mullazhanov 93, Nikolsky 93, Varkovitskay 93, Apanasenko 92, Ivanenko 92, Baradzei 91
- FLYSEYE: Bird 93, Gaisser 93, Ciampa 92
- MANY: Bond 94, Mosca 94, Suzuki 93, Danilova 92, Koshiba 92, Sokolsky 92, Totsuka 92B, Barish 91, Totsuka 91
- OSPK: Galper 93
- OTHER: Su 94, Zylberajch 94, Astone 93B, Aubourg 93, Gardner 91, Huber 91, Bershady 90
- PHOTON: Antonov 95, Karle 95, Antonov 94, Losecco 93, He 91B, Ressell 91
- PION: Avakyan 91B, Avakyan 91C
- PLASTIC: Karle 95, Vildanova 94, Nakamura 91, Orito 91
- SEMI: Beck 94
- SOKOL: Ivanenko 93
- SPASE: Beaman 93, Vanstekelenb 93
- SPEC: Barwick 96, Bogomolov 95, Kalmykov 95, Atrashkevich 94, Bogomolov 94, Zatsepin 94B, Golden 92, Melku 91
- SPRK: Barnaveli 95
- TOF: Barwick 96
- WIRE: Barwick 96

COSM-CYGNUS-X-3

CHICAGO AIR SHOWER ARRAY
- CASA-MIA: Cronin 92

UNDERGROUND-MACRO
- MACRO: Dicredico 93

—
- CNTR: Amenomori 92
- FLYSEYE: Ciampa 92
- IMB-III: Beckerszendy 93

COSM-HERCULES-X-1

CHICAGO AIR SHOWER ARRAY
- CASA-MIA: Cronin 92

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.

DESY-HERA

Experiment	Detector	Entry
DESY-HERA-H1	H1	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
DESY-HERA-ZEUS	ZEUS	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

DESY-HERA

Experiment	Detector	Entry
		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

DESY-PETRA

Experiment	Detector	Entry
DESY-PETRA-CELLO	CELLO	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
DESY-PETRA-JADE	JADE	Forty 93
		Aleem 92
		Kroha 92
		Bethke 91
		Magnussen 91
		Pust 91
DESY-PETRA-MARK-J	MARK-J	Bethke 91
DESY-PETRA-PLUTO	PLUTO	Aleem 92
		Kroha 92
		Bethke 91
DESY-PETRA-TASSO	TASSO	Dremin 94
		Forty 93
		Aleem 92
		Kroha 92
		Bethke 91

DGSI

Experiment	Detector	Entry
—	ALADIN	Rubehn 96
		Botvina 95
		Kunde 95
		Pochodzalla 95
		Rubehn 95
		Begemannblai 93
		Brill 93
		Kreutz 93
		Tsang 93
		Hubele 91
	CNTR	Clerc 95
		Petrovici 95
		Suzuki 95
		Berg 94
		Blank 94
		Alard 92
	FOPI	Kotte 95
		Poggi 95
		Ramillien 95
		Ritman 95
		Kuhn 94
		Schwalb 94
	LAND	Lambrecht 94
	OTHER	Jung 92
	PLASTIC	Kugler 94
		Schmidt 93
	SPEC	Aumann 95
		Muntz 95
		Miskowiec 94
		Polikanov 94
		Schroeter 94
		Weber 94
		Hanelt 93
		Weber 92
	TAPS	Berg 94
		Kuhn 94
		Schwalb 94
		Venema 93
		Berg 91
	TOF	Clerc 95
		Muntz 95
		Suzuki 95
		Blank 94
		Kugler 94
		Miskowiec 94
	X-RAY	Aumann 94
		Aumann 93

DGSI-UNILAC

Experiment	Detector	Entry
—	EPOS	Pokotilovsky 93
		Bokemeyer 91
	FOPI	Dzelalija 95
	LAND	Kuhn 93
		Leifels 93
		Schmidt 93B
	ORANGE	Pokotilovsky 93
		Bokemeyer 91
		Tsertos 91B
	SPEC	Summerer 95
		Kuhn 93
		Leifels 93
		Obserstedt 92
	TOF	Schmidt 93B
	TORI	Pokotilovsky 93

ELECTROSTATIC

Experiment	Detector	Entry
—	SPEC	Hagley 94

FNAL

Experiment	Detector	Entry
?	DAS	Fields 92
	EMUL	Belaga 95F
		Boos 95
		Ghosh 95C
		Belaga 94B
		Belaga 94C
		Ghosh 94
		Ghosh 94C
		Adamovich 93C
		Ghosh 93
		Ghosh 93B
		Ghosh 93C

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

FNAL-AA

FNAL-COLLIDER

FNAL-COLLIDER

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*.

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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 $\overline{\Delta}^{--}$. 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 $\overline{p}$, DELTABAR(1900S31)0 for $\overline{\Delta}(1900 S_{31})^0$, and CHARMBAR for $\overline{\text{charm}}$.

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.*, "$3\pi^+$" 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, predominantely 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
$\overline{\text{lepto-quark}}$	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
$\overline{\nu}$	NUBAR	Unspecified antineutrino
ν_e	NUE	Electron neutrino
$\overline{\nu}_e$	NUEBAR	Electron antineutrino
ν_μ	NUMU	Muon neutrino
$\overline{\nu}_\mu$	NUMUBAR	Muon antineutrino
ν_τ	NUTAU	τ neutrino
$\overline{\nu}_\tau$	NUTAUBAR	τ antineutrino
$\ell^\pm$	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
$\mu^\pm$	MU+-	μ^+ or μ^-lepton
μ^-	MU-	Ordinary μ^- lepton
μ^+	MU+	Ordinary μ^+ lepton
$\tau^\pm$	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-$\overline{\nu}$	HEAVY-NUBAR	Unspecified heavy antineutrino
heavy-ν_e	HEAVY-NUE	Heavy electron neutrino
heavy-$\overline{\nu}_e$	HEAVY-NUEBAR	Heavy electron antineutrino
heavy-ν_μ	HEAVY-NUMU	Heavy muon neutrino
heavy-$\overline{\nu}_\mu$	HEAVY-NUMUBAR	Heavy muon antineutrino
heavy-ν_τ	HEAVY-NUTAU	Heavy τ neutrino

PARTICLE NAME	COMPUTER NAME	EXPLANATION
heavy-$\overline{\nu}_\tau$	HEAVY-NUTAUBAR	Heavy τ antineutrino
heavy-lepton^0	HEAVY-LEPTON0	Unspecified neutral heavy lepton
$\overline{\text{heavy-lepton}}^0$	HEAVY-LEPTONBAR0	Unspecified neutral heavy antilepton
heavy-lepton$^\pm$	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
$\overline{q}$	QUARKBAR	Antiquark of unsprcified charge
u	UQ	Up quark
$\overline{u}$	UQBAR	Up antiquark
d	DQ	Down quark
$\overline{d}$	DQBAR	Down antiquark
s	SQ	Strange quark
$\overline{s}$	SQBAR	Strange antiquark
c	CQ	Charmed quark
$\overline{c}$	CQBAR	Charmed antiquark
b	BQ	Bottom quark
$\overline{b}$	BQBAR	Bottom antiquark
t	TQ	Top quark
$\overline{t}$	TQBAR	Top antiquark
diquark	DIQUARK	Diquark of unspecified charge and flavor

HYPOTHETICAL QUARKS

b'	BQPRIME	Bottom quark of fourth generation
$\overline{b}'$	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
$\overline{\text{photino}}$	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
$\overline{\text{gravitino}}$	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
$\overline{\text{goldstino}}$	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
$\overline{\tilde{\nu}}$	SNUBAR	Spin-0 supersymmetric partner of the antineutrino
$\tilde{\nu}_e$	SNUE	Spin-0 supersymmetric partner of the ν_e

See the legend on page 429.

Particle Name	Computer Name	Explanation
$\overline{\tilde{\nu}}_e$	SNUEBAR	Spin-0 supersymmetric partner of the $\overline{\nu}_e$
$\tilde{\nu}_\mu$	SNUMU	Spin-0 supersymmetric partner of the ν_μ
$\overline{\tilde{\nu}}_\mu$	SNUMUBAR	Spin-0 supersymmetric partner of the $\overline{\nu}_\mu$
$\tilde{\nu}_\tau$	SNUTAU	Spin-0 supersymmetric partner of the ν_τ
$\overline{\tilde{\nu}}_\tau$	SNUTAUBAR	Spin-0 supersymmetric partner of the $\overline{\nu}_\tau$
$\tilde{e}$	SELECTRON	Spin-0 supersymmetric partner of the positron or electron
$\tilde{e}^-$	SELECTRON-	Spin-0 supersymmetric partner of the electron
$\tilde{e}^+$	SELECTRON+	Spin-0 supersymmetric partner of the positron
$\tilde{\mu}$	SMUON	Spin-0 supersymmetric partner of muon
$\tilde{\mu}^-$	SMUON-	Spin-0 supersymmetric partner of μ^-
$\tilde{\mu}^+$	SMUON+	Spin-0 supersymmetric partner of μ^+
$\tilde{\tau}$	STAU	Spin-0 supersymmetric partner of τ lepton
$\tilde{\tau}^-$	STAU-	Spin-0 supersymmetric partner of τ^- lepton
$\tilde{\tau}^+$	STAU+	Spin-0 supersymmetric partner of τ^+ lepton
$\tilde{q}$	SQUARK	Spin-0 supersymmetric quark partner
$\overline{\tilde{q}}$	SQUARKBAR	Spin-0 supersymmetric antiquark partner
$\tilde{u}$	S-UQ	Spin-0 supersymmetric partner of the up quark
$\tilde{d}$	S-DQ	Spin-0 supersymmetric partner of the down quark
$\tilde{s}$	S-SQ	Spin-0 supersymmetric partner of the strange quark
$\tilde{c}$	S-CQ	Spin-0 supersymmetric partner of the charm quark
$\tilde{b}$	S-BQ	Spin-0 supersymmetric partner of the bottom quark
$\tilde{t}$	S-TQ	Spin-0 supersymmetric partner of the top quark
$\overline{\tilde{t}}$	S-TQBAR	Spin-0 supersymmetric partner of the top antiquark
$\tilde{t}_1$	S-TQ1	Lightest mass eigenstate of the mixed spin-0 supersymmetric partners of the left and right top quarks
$\overline{\tilde{t}}_1$	S-TQ1BAR	Lightest mass eigenstate of the mixed spin-0 supersymmetric partners of the left and right top quarks
$\tilde{t}_2$	S-TQ2	Heaviest mass eigenstate of the mixed spin-0 supersymmetric partners of the left and right top quarks
$\overline{\tilde{t}}_2$	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 exited lepton
ν^*	NU*	Excited generic neutrino. Different with heavy-lepton^0
$\overline{\nu}^*$	NU*BAR	Excited generic anti-neutrino. Different with heavy-lepton^0
ν_e^*	NUE*	Composite electron neutrino
$\overline{\nu}_e^*$	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
$\overline{q}^*$	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
$\overline{\text{lepton-colored}}$	LEPTON-COLORBAR	Unspecified lepton carrying color
e-color$^\pm$	E-COLOR+-	Colored electron of unspecified charge
ℓ^{++}	LEPTON++	Doubly charged lepton
wquark	WQUARK	Hypothetic fractionally charged particle interacting only weakly
$\overline{\text{wquark}}$	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

PARTICLE NAME	COMPUTER NAME	EXPLANATION
e-nonpauli	NONPAULI(E-)	Electron-like particle but not fermionic, used to encode experiments on search for Pauli principle violation in exotic atoms
p-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	LONGLIVED	Unspecified particle stable under strong and electromagnetic decay
longlived^{+}	LONGLIVED+	Unspecified positive-charge particle stable under strong and electromagnetic decay
longlived^{0}	LONGLIVED0	Unspecified neutral-charge particle stable under strong and electromagnetic decay
longlived^{-}	LONGLIVED-	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
$\pi^{\pm}$	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)	
$\rho^{\pm}$	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 $K\overline{K}$ 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)+-	

See the legend on page 429.

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)
$\hat{\rho}(1405)$	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)	
$f_J(1710)$	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 photoproduction
$a_5(1790)^+$	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 $\overline{p}p$ 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 $p\overline{p}\pi$
$X(3250)$	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

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)	$\Lambda\overline{p}$ or $\overline{\Lambda}p$ 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 $s\overline{s}$, such as the $\phi(1020)$
$\phi(1020)$	PHI(1020)	
$\phi(1680)$	PHI(1680)	
$\phi_3(1850)$	PHI3(1850)	Bump in K^+K^- mass
$K\overline{K}(2200)^0$	KKBAR(2200)0	Reported spin 5 boson resonance
$\phi_5(2400)$	PHI5(2400)	

HADRONS: MESONS WITH HEAVIEST QUARK CHARMED

PARTICLE NAME	COMPUTER NAME	EXPLANATION
charm	CHARM	Unspecified charmed particle
charm$^{\pm}$	CHARM+-	Unspecified charged charmed particle
charmed-meson	CHARMED-MESON	Unspecified charmed meson
D(unspec)	DC	D or $\overline{D}$ 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)	
$D_J^*(2470)$	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 $e^+e^- \to \mu^+\mu^-2\gamma$
$\chi(3300-3500)$	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

See the legend on page 429.

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)	
χ_c(unspec)	CHI/C(UNSPEC)	Unspecified radiative decay product of any ψ meson
ψ(unspec)	PSI(UNSPEC)	Unspecified ψ meson

HADRONS: MESONS WITH HEAVIEST QUARK BEAUTY

PARTICLE NAME	COMPUTER NAME	EXPLANATION
bottom	BOTTOM	Unspecified particle with naked bottom
bottom$^{\pm}$	BOTTOM+-	Generic name for charged particle with naked beauty
$B^{\pm}$	B+-	Bottom meson
B	B	B^+ or B^- bottom meson
B(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^* (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)	
χ_b(unspec)	CHI/B(UNSPEC)	Bottomonium meson
Υ(unspec)	UPSI(UNSPEC)	Unspecified Υ particle

HADRONS: MESONS WITH HEAVIEST QUARK TOP

PARTICLE NAME	COMPUTER NAME	EXPLANATION
top	TOP	Unspecified particle with naked top
toponium	TOPONIUM	Unspecified top-antitop state

HADRONS: EXOTIC MESONS AND MESON-LIKE OBJECTS

PARTICLE NAME	COMPUTER NAME	EXPLANATION
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

PARTICLE NAME	COMPUTER NAME	EXPLANATION
baryon	BARYON	Unspecified baryon
$p^{\pm}$	P+-	Proton or antiproton
nucleon	NUCLEON	Unspecified nucleon
p	P	Proton
n	N	Neutron
p(spect)	P(SPECT)	Spectator proton
n(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)	

PARTICLE NAME	COMPUTER NAME	EXPLANATION
$N(1720\,P_{13})$	N(1720P13)	
$N(1890\,B)$	N(1890B)	Enhancement seen in $\pi p \to \eta' n$ 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(unspec)	N(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)	
Δ(unspec)	DELTA(UNSPEC)	Unspecified $I = 3/2$, $S = 0$ baryon
N^*(unspec)	N*(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
Λ(unspec)	LAMBDA(UNSPEC)	Unspecified $I = 0$, $S = -1$ baryon
Σ	SIGMA	Ordinary Σ hyperon
$\Sigma^{\pm}$	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)	

See the legend on page 429.

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
Σ(unspec)	SIGMA(UNSPEC)	Unspecified $I = 1$, $S = -1$ baryon
Y^*(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
Ξ(unspec)	XI(UNSPEC)	Unspecified $I = 1/2$, $S = -2$ baryon
$\Omega^\pm$	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 $\overline{\Lambda}_c(2281)^-$
$\Lambda_c(2625)$	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
Ξ_c(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^{++}_{ccc}	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)
$\Sigma_b^\pm$	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^0_{cb}	OMEGA/CB0	
Ω^-_{bb}	OMEGA/BB-	

PARTICLE NAME	COMPUTER NAME	EXPLANATION
Ω_{bb}^-		

HADRONS: EXOTIC BARYONS

PARTICLE NAME	COMPUTER NAME	EXPLANATION
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
$N^*_{5/2}$(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(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(unspec)	Z1(UNSPEC)	Exotic $I = 1$, $S = +1$ baryon of unspecified mass
Z^*(unspec)	Z*(UNSPEC)	Exotic I = unspecified, $S = +1$ baryon of unspecified mass
Y_2^*(unspec)	Y*2(UNSPEC)	Unspecified $I = 2$, $S = -1$ baryon
Ξ^*(unspec)	XI*(UNSPEC)	I = unspecified, $S = -2$ baryon of unspecified mass
$\Xi_{3/2}$(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-Δ^{++}	R-DEL++	Exotic baryon with uuu quarks plus one gluino
R-Λ	R-LAMBDA	Exotic baryon with uus quarks plus one gluino
R-Ξ^-	R-XI-	Exotic baryon with ssd quarks plus one gluino

EXOTIC MATTER

PARTICLE NAME	COMPUTER NAME	EXPLANATION
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

PARTICLE NAME	COMPUTER NAME	EXPLANATION
positronium	POSITRONIUM	
positronium$^-$	POSITRONIUM-	$e^- e^+ e^-$ coulomb bound state, "positronium negative ion'
muonium	MUEATOM	$\mu^+ e^-$ atom
$\overline{\text{muonium}}$	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
$(\overline{p}p)_{\text{atom}}$	PBARPATOM	
$(\overline{p}\,\text{deuteron})_{\text{atom}}$	PBARDEUTATOM	
$(\overline{p}\,\text{He})_{\text{atom}}$	PBARHEATOM	Antiproton helium coulombic atom
atom	ATOM	Unspecified conventional atom
atom*	ATOM*	Unspecified excited conventional atom
H(atom)	ATOM(P)	Hydrogen atom
^{2}H(atom)	ATOM(DEUT)	Deuteron atom
C(atom)	ATOM(C)	Carbon atom
^{19}Fl(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)	

See the legend on page 429.

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 $d\pi\pi$ bump
demon	DEMON	Exotic 6-quark deuteron-like state
dibaryon	DIBARYON	Dibaryon resonance
dineutron	DINEUTRON	Dineutron resonance
$NN(2170\,^1D_2)$	NN(2170/1D2)	
$NN(2250\,^3F_3)$	NN(2250/3F3)	
$NN(2900\,^1H_6)$	NN(2900/1H6)	Dibaryon resonance
dibaryon($S=-1$)	DIBARYON(S=-1)	Unspecified $S=-1$ dibaryon resonance
$\Lambda N(2130\,^3S_1)$	LAMBDAN(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
$(\Xi N)^+$	XIN+	Dibaryon with $S=-2$
^{3}H	TRITIUM	Tritium nucleus
^3H_s	H3/S	Hypernucleus with Λ instead of neutron
trineutron	TRINEUTRON	Reported 3-neutron bound state
tribaryon	TRIBARYON	Reported 3-baryon state
tetraneutron	TETRANEUTRON	Hypothetic 4-neutron bound state

PARTICLE NAME	COMPUTER NAME	EXPLANATION
^4H_s	H4/S	Hypernucleus with Λ instead of neutron
^3He_s	HE3/S	Helium hypernucleus with strangeness = −1
He	HE	Helium nucleus
^4He_s	HE4/S	Helium hypernucleus with strangeness = −1
$^4H_{ss}$	H4/SS	Hydrogen-4 hypernucleus with strangeness=−2
^5He_s	HE5/S	Helium-5 hypernucleus with strangeness=−1
$^5He_{ss}$	HE5/SS	Helium-5 hypernucleus with strangeness=−2
$^6He_{ss}$	HE6/SS	Helium-6 hypernucleus with strangeness=−2
Li	LI	Lithium nucleus
^7Li_s	LI7/S	Hypernucleus with Λ instead of neutron
^8Li_s	LI8/S	
^9Li_s	LI9/S	Hypernucleus with Λ instead of neutron
Be	BE	Beryllium nucleus
^9Be_s	BE9/S	Beryllium-9 hypernucleus with strangeness=−1
$^{10}Be_{ss}$	BE10/SS	Beryllium-10 hypernucleus with strangeness=−2
$^{11}Be_{ss}$	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
$^{10}Bor_s$	BOR10/S	Boron-10 hypernucleus with strangeness = −1
$^{11}Bor_s$	BOR11/S	Boron-11 hypernucleus
C	C	Carbon nucleus
$^{12}C_s$	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
$^{16}O_s$	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
$^{28}Si_s$	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
$^{40}Ca_s$	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
$^{51}Va_s$	VA51/S	Vanadium-51 hypernucleus
Cr	CR	Chromium nucleus
Mn	MN	Manganese nucleus
$^{56}Fe_s$	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
$^{89}Yt_s$	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

See the legend on page 429.

PARTICLE NAME	COMPUTER NAME	EXPLANATION
Xe	XE	Xenon nucleus
Cs	CS	Cesium nucleus
Ba	BA	Barium nucleus
$^{139}La_s$	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
$^{208}Pb_s$	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 $K^-p \to X$
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
(chargeds)	(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
($\mu^\pm$'s)	(MU+-S)	Zero or more muons
(jets)	(JETS)	Zero or more jets
(hadrons)	(HADRONS)	Zero or more hadrons
(hadron^0's)	(HADRON0S)	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
($\pi^\pm$'s)	(PI+-S)	Zero or more $\pi^\pm$'s
(π^+'s)	(PI+S)	Zero or more π^+'s

PARTICLE NAME	COMPUTER NAME	EXPLANATION
(π^0's)	(PI0S)	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)	(RHO0S)	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)	(LAMBDAS)	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[$e^\pm$]	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(HADRON0)	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[$\pi^\pm$]	MULT(PI+-)	Multiplicity distribution for π^+ or π^-
mult[π^+]	MULT(PI+)	Multiplicity distribution for π^+
mult[π^0]	MULT(PI0)	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[strange]	MULT(STRANGE)	Multiplicity distribution for unspecified strange particle
mult[kaon]	MULT(KAON)	Multiplicity distribution for kaon of unspecified charge
mult[$K^\pm$]	MULT(K+-)	Multiplicity distribution for K^+ or K^-
mult[K^+]	MULT(K+)	Multiplicity distribution for K^+
mult[K^0]	MULT(K0)	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[$\overline{K}^0$]	MULT(KBAR0)	Multiplicity distribution for $\overline{K}^0$
mult[K^-]	MULT(K-)	Multiplicity distribution for K^-
mult[$K^*(892)^+$]	MULT(K*(892)+)	Multiplicity distribution for $K^*(892)^+$

See the legend on page 429.

PARTICLE NAME	COMPUTER NAME	EXPLANATION
mult[$K^*(892)^0$]	MULT(K*(892)0)	Multiplicity distribution for $K^*(892)^0$
mult[$\overline{K}^*(892)^0$]	MULT(K*BAR(892)0)	Multiplicity distribution for $\overline{K}^*(892)^0$
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[$K_2^*(1430)^0$]	MULT(K2*(1430)0)	Multiplicity distribution for $K_2^*(1430)^0$
mult[$\overline{K}_2^*(1430)^0$]	MULT(K2*BAR(1430)0)	Multiplicity distribution for $\overline{K}_2^*(1430)^0$
mult[$K_2^*(1430)^-$]	MULT(K2*(1430)-)	Multiplicity distribution for $K_2^*(1430)^-$
mult[ϕ]	MULT(PHI)	Multiplicity distribution for $\phi(1020)$
mult[$D^\pm$]	MULT(D+-)	Multiplicity distribution for D^+ or D^-
mult[D(unspec)]	MULT(D(UNSPEC))	Multiplicity distribution for unspecified charmed nonstrange meson
mult[$p^\pm$]	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[$\overline{n}$]	MULT(NBAR)	Multiplicity distribution for antineutron
mult[$\overline{p}$]	MULT(PBAR)	Multiplicity distribution for antiproton
mult[Δ^{++}]	MULT(DELTA++)	Multiplicity distribution for $\Delta(1232\ P_{33})^{++}$
mult[Δ^+]	MULT(DELTA+)	Multiplicity distribution for $\Delta(1232\ P_{33})^+$
mult[Δ^0]	MULT(DELTA0)	Multiplicity distribution for $\Delta(1232\ P_{33})^0$
mult[Δ^-]	MULT(DELTA-)	Multiplicity distribution for $\Delta(1232\ P_{33})^-$
mult[$\overline{\Delta}^+$]	MULT(DELTABAR+)	Multiplicity distribution for $\overline{\Delta}(1232\ P_{33})^+$
mult[$\overline{\Delta}^0$]	MULT(DELTABAR0)	Multiplicity distribution for $\overline{\Delta}(1232\ P_{33})^0$
mult[$\overline{\Delta}^-$]	MULT(DELTABAR-)	Multiplicity distribution for $\overline{\Delta}(1232\ P_{33})^-$
mult[$\overline{\Delta}^{--}$]	MULT(DELTABAR--)	Multiplicity distribution for $\overline{\Delta}(1232\ P_{33})^{--}$
mult[Λ]	MULT(LAMBDA)	Multiplicity distribution for Λ
mult[$\overline{\Lambda}$]	MULT(LAMBDABAR)	Multiplicity distribution for $\overline{\Lambda}$
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[$\overline{\Sigma}^+$]	MULT(SIGMABAR+)	Multiplicity distribution for $\overline{\Sigma}^+$
mult[$\overline{\Sigma}^0$]	MULT(SIGMABAR0)	Multiplicity distribution for $\overline{\Sigma}^0$
mult[$\overline{\Sigma}^-$]	MULT(SIGMABAR-)	Multiplicity distribution for $\overline{\Sigma}^-$
mult[$\Sigma(1385)^+$]	MULT(SIGMA(1385)+)	Multiplicity distribution for $\Sigma(1385\ P_{13})^+$
mult[$\Sigma(1385)^-$]	MULT(SIGMA(1385)-)	Multiplicity distribution for $\Sigma(1385\ P_{13})^-$
mult[Ξ^-]	MULT(XI-)	Multiplicity distribution for Ξ^-
mult[$\overline{\Xi}^+$]	MULT(XIBAR+)	Multiplicity distribution for $\overline{\Xi}^+$
mult[deuteron]	MULT(DEUTERON)	Multiplicity distribution for deuteron
mult[trit]	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)	

QUALIFIERS DESCRIBING ABSENCE OF PARTICLE IN THE FINAL STATE

0 charged	0CHARGED	Exactly zero charged particles
0 charged$^+$	0CHARGED+	Exactly zero positive particles
0 charged$^-$	0CHARGED-	Exactly zero negative particles
0 charged-hadron	0CHARGED-HADRON	Exactly zero charged hadrons
0 jet	0JET	Exactly zero jets
0 vee	0VEE	Exactly zero neutral strange particle decays
0 γ	0GAMMA	Exactly zero γ's
0 lepton	0LEPTON	Exactly zero leptons
0 ν_e	0NUE	Exactly zero ν_e's
0 $e^\pm$	0E+-	Exactly zero electrons and positrons
0 e^-	0E-	Exactly zero electrons
0 e^+	0E+	Exactly zero positrons
0 $\overline{\nu}_e$	0NUEBAR	Exactly zero $\overline{\nu}_e$'s
0 ν_μ	0NUMU	Exactly zero ν_μ's
0 $\mu^\pm$	0MU+-	Exactly zero muons
0 μ^-	0MU-	Exactly zero μ^-'s
0 μ^+	0MU+	Exactly zero μ^+'s
0 $\overline{\nu}_\mu$	0NUMUBAR	Exactly zero $\overline{\nu}_\mu$'s
0 π	0PI	Exactly zero pions

Particle Name	Computer Name	Explanation
$0\,\pi^{\pm}$	OPI+-	Exactly zero π^+'s and π^-'s
$0\,\pi^{+}$	OPI+	Exactly zero π^+'s
$0\,\pi^{0}$	OPI0	Exactly zero π^0's
$0\,\pi^{-}$	OPI-	Exactly zero π^-'s
0 strange	OSTRANGE	Exactly zero strange particles
$0\,K_S$	OKS	Exactly zero K_S's
$0\,K_0$	OK0	Exactly zero K_0's
$0\,p$	OP	Exactly zero protons
$0\,n$	ON	Exactly zero neutrons
$0\,\Lambda$	OLAMBDA	Exactly zero Λ's
$0\,\overline{\Lambda}$	OLAMBDABAR	Exactly zero $\overline{\Lambda}$'s
0 charm	OCHARM	
0 bottom	OBOTTOM	Exactly zero number of particles with naked beauty
0 fragb	OFRAGB	Exactly zero beam fragments
0 shower	OSHOWER	Exactly zero showers
0 grey	OGREY	Exactly zero grey tracks in an emulsion
0 htrack	OHTRACK	Exactly zero heavy tracks
0 He	OHE	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
$(K\,K)_{L=0}$	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
$(K\,N)_{I=0}$	KN(I=0)	Kn $I=0$ initial state (and elastic final state)
$(K\,N)_{I=1}$	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^-
$\overline{K}N(1700)^0$	KNBAR(1700)0	Possible $K\omega$ state

See the legend on page 429.

☆ U.S. GPO 1996: 583-508/79013

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 $p_{\rm lab}$)
ANL-ATLAS	Superconducting linear accelerator at the Argonne National Laboratory
BHEP-BEPC	Beijing electron-positron colliding ring (5.6 GeV $E_{\rm cm}$)
BNL	Brookhaven (AGS) proton synchrotron (33 GeV/c $p_{\rm lab}$)
BNL-ION	Heavy ion accelerator at BNL
BONN	Bonn electron synchrotron (2.5 GeV/c $p_{\rm lab}$)
BONN-500	Bonn electron synchrotron (500 MeV/c $p_{\rm lab}$)
BONN-ELSA	Electron-Stretcher-Accelerator (2-3.5 GeV/c $p_{\rm lab}$)
CELSIUS	Storage ring at the Svedberg Laboratory in Uppsala
CERN-ISR	CERN proton-proton collider (62 GeV $E_{\rm cm}$)
CERN-LEAR	CERN low-energy antiproton ring
CERN-LEP	CERN large electron-positron collider (120 GeV $E_{\rm cm}$)
CERN-PBAR/P	CERN $\overline{p}p$ collider (540 GeV $E_{\rm cm}$)
CERN-PS	CERN proton synchrotron (28 GeV/c $p_{\rm lab}$)
CERN-SC	CERN synchrocyclotron (600 MeV $T_{\rm lab}$)
CERN-SPS	CERN super proton synchrotron (450 GeV/c $p_{\rm lab}$)
CESR	Cornell electron-positron storage ring (12 GeV $E_{\rm cm}$)
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 $p_{\rm lab}$)
DARM-LINAC	Darmstadt 65 MeV/c $p_{\rm lab}$ linac
DESY	Hamburg Deutches Electron Synchrotron (7.5 GeV/c $p_{\rm lab}$)
DESY-DORIS	DESY DOppel RIng Speicher (2–6 Gev $E_{\rm cm}$)
DESY-DORIS-II	DESY-DORIS upgraded in 1977 (11.2 GeV $E_{\rm cm}$)
DESY-HERA	e-p machine at DESY
DESY-PETRA	DESY electron-positron collider (40 GeV $E_{\rm cm}$)
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 $p_{\rm lab}$)
FNAL-AA	Antiproton accumulator for collider
FNAL-COLLIDER	FNAL $\overline{p}p$ collider (2000 GeV $E_{\rm cm}$)
FNAL-TEV	FNAL fixed target machine (1000 GeV/c $p_{\rm lab}$)
FRAS-ADONE	Frascati electron-positron ring (3 GeV $E_{\rm cm}$)
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 $p_{\rm lab}$)
IMPL-HIREL	Heavy Ion REsearch faciLity
IND-CYC	Indiana University cyclotron facility
ISTU-PELLETRON	Stuttgart pelletron
ITEP	ITEP Moscow proton synchrotron (7 GeV/c $p_{\rm lab}$)
JINR	JINR Dubna proton synchrotron (10 GeV/c $p_{\rm lab}$)
JINR-600	JINR Dubna synchrocyclotron (600 MeV $T_{\rm lab}$)
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 $p_{\rm lab}$)
KEK-TRISTAN	KEK electron-positron collider (64 GeV $E_{\rm cm}$)
KFAJ-CYC	Cyclotron at Institute of nuclear physics of KFA, Julich, FRG
KHAR	Electron linear accelerator (2 GeV/c $p_{\rm lab}$) 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 $p_{\rm lab}$)
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 $p_{\rm lab}$)
LEGS	Laser Electron Gamma Source at BNL.
LINAC	Unspecified linac
LUND	Electron synchrotron at Lund (1.1 GeV/c $p_{\rm lab}$)
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 $p_{\rm lab}$)
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 $E_{\rm lab}$)
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 $E_{\rm cm}$)
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 $E_{\rm cm}$)

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 fasility
ORNL-ORELA	Oak Ridge Electron Linear Acelerator 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.

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 caverage in the forward-backward angular regions
ANI	COSM	Compex 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 ar 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	CErenkov 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 $K^0\overline{K}^0$
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
DLS	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	ELEctron 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
FMPS	FNAL	Multiparticle spectrometer at Fermilab
FOCUS	ITEP	FOrward particle and CUmulative particle Spectrometer
FODS	SERP	Double-arm spectrometer
FOPI	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)
FREJUS	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 × 1.6m × 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 × 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

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
LAMBDAMETER	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 $\overline{p}$ and $\overline{n}$ 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
PI0SPEC	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	$4.7\times0.9\times0.8$ 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

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	4π 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 temerature increase after particle passing
TISS-3	ITEP	Spark chamber of 1.5 m lenght
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.

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 def ined 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 toexpress 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