



BNL-77290-2006-IR

Recent References:
October 1, 2005 to December 31, 2005

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November 2006

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October 1, 2005 to December 31, 2005

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This document lists experimental references added to Nuclear Science References (NSR) during the period October 1, 2005 to December 31, 2005. The first section lists keynumbers and keywords sorted by mass and nuclide. The second section lists all references, ordered by keynumber.

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Contents

Keynumbers and Keywords	2
References	120

Keynumbers and Keywords

A=1

- ^1n 2005AH07 NUCLEAR REACTIONS $^1\text{H}(\text{polarized } \gamma, \pi^0)$, (polarized γ, π^+), $e \approx 340$ MeV; measured $\sigma(\theta)$, G asymmetries, related polarization observables. Polarized target. JOUR ZAANE 26 135
- 2005GR28 NUCLEAR REACTIONS $^1\text{H}(\pi^-, \pi^+\pi^-)$, ($\pi^+, 2\pi^+$), $E=243, 264, 284, 305$ MeV; ^2H , ^{12}C , ^{40}Ca , $^{208}\text{Pb}(\pi^+, 2\pi^+)$, ($\pi^+, \pi^+\pi^-$), $E=283$ MeV; $\text{Sc}(\pi^+, 2\pi^+\text{X})$, ($\pi^+, \pi^+\pi^-\text{X}$), $E=243, 264, 284, 305$ MeV; measured invariant mass distributions, $\sigma(\theta)$, correlations; deduced partial chiral symmetry restoration. JOUR NUPAB 763 80
- 2005JA17 NUCLEAR REACTIONS $^1\text{H}(\text{n}, \text{p})$, $E=11$ MeV; measured recoil proton spectra in scintillator. JOUR NIMAE 551 245
- 2005J021 NUCLEAR REACTIONS $^1\text{H}(\text{polarized } e, e'\pi^+)$, (polarized $e, e'\pi^0$), $E=1.515$ GeV; measured $\sigma(E, \theta)$, polarized longitudinal-transverse structure function; deduced sensitivity to Roper resonance. JOUR PRVCA 72 058202
- 2005KHZX RADIOACTIVITY $^1\text{n}(\beta^-)$; measured $\beta\text{p-}$, $\beta\text{p}\gamma$ -coin; deduced branching ratio for radiative decay. Comparison with model predictions. PREPRINT nucl-ex/0512001,12/1/2005
- 2005KI19 NUCLEAR REACTIONS $^2\text{H}(\text{p}, 2\text{p})$, $E=130$ MeV; measured $E\text{p}$, pp-coin , $\sigma(\theta_1, \theta_2)$; deduced three-nucleon force effects. JOUR PRVCA 72 044006
- 2005KR14 NUCLEAR REACTIONS $^3\text{He}(\text{polarized } e, e')$, $E=3.465\text{-}5.727$ GeV; measured parallel and perpendicular cross section differences. ^1n , ^3He deduced momentum transfer dependence of spin structure function. JOUR PRLTA 95 142002
- 2005R037 NUCLEAR REACTIONS $^1\text{H}(^8\text{He}, ^8\text{He})$, E not given; measured recoil proton spectrum; deduced excitation function. $^1\text{H}(^6\text{He}, ^6\text{Li})$, E not given; measured neutron spectrum, $\text{n}\gamma$ -coin; deduced excitation function. $^7,^9\text{Li}$ deduced resonance parameters. $^7,^9\text{He}$ deduced analog states features. JOUR NIMBE 241 977
- ^1H 2005AH07 NUCLEAR REACTIONS $^1\text{H}(\text{polarized } \gamma, \pi^0)$, (polarized γ, π^+), $e \approx 340$ MeV; measured $\sigma(\theta)$, G asymmetries, related polarization observables. Polarized target. JOUR ZAANE 26 135
- 2005AN30 NUCLEAR REACTIONS $^2\text{H}(^7\text{Be}, 2\alpha)$, $E=1.71, 5.55$ MeV; measured particle spectra, σ . $^7\text{Be}(\text{d}, \text{p})$, $E(\text{cm}) \approx 0.38, 1.2$ MeV; deduced astrophysical S-factors. Implications for primordial ^7Li abundance discussed. JOUR ASJOA 630 L105
- 2005BA93 NUCLEAR REACTIONS $^1\text{H}(\gamma, \pi^0)$, $E=0.3\text{-}3.0$ GeV; measured pion production $\sigma(\theta)$, σ . Tagged photons. JOUR PRLTA 94 012003
- 2005DEZT NUCLEAR REACTIONS $^1\text{H}(\pi^+, \pi^+)$, (π^-, π^-), $E=19, 26, 32, 37, 43$ MeV; measured $\sigma(\theta)$; deduced real part of isospin forward scattering amplitude. PREPRINT nucl-ex/0512006,12/3/2005
- 2005GA45 NUCLEAR REACTIONS $^2\text{H}(^{44}\text{Ar}, ^{45}\text{Ar})$, ($^{40}\text{Ar}, ^{41}\text{Ar}$), $E=10$ MeV / nucleon; measured particle spectra, $\sigma(E, \theta)$. ^{45}Ar deduced levels, spectroscopic factors. JOUR JPGPE 31 S1623
- 2005GR26 NUCLEAR REACTIONS $^1\text{H}(e, e'\gamma)$, $E=\text{high}$; measured $\sigma(\text{Q}^2, \text{W})$ for deeply virtual Compton scattering. JOUR ZCCNE 44 S1

A=1 (continued)

- 2005GU29 NUCLEAR REACTIONS $^2\text{H}(^8\text{Li}, ^9\text{Li})$, $E(\text{cm})=7.8$ MeV; measured $\sigma(\theta)$; deduced asymptotic normalization coefficient. $^8\text{B}(\text{p}, \gamma)$, $E=\text{low}$; calculated astrophysical S-factor. DWBA analysis, inverse kinematics, comparison with data. JOUR NUPAB 761 162
- 2005HA64 NUCLEAR REACTIONS $^1\text{H}(^6\text{He}, ^6\text{He})$, $E=71$ MeV / nucleon; measured $\sigma(\theta)$, analyzing powers; deduced optical model parameters. ^6He deduced rms radius. Polarized target. Comparison with model predictions. JOUR ZAANE 25 s01 255
- 2005J021 NUCLEAR REACTIONS $^1\text{H}(\text{polarized } e, e'\pi^+)$, (polarized $e, e'\pi^0$), $E=1.515$ GeV; measured $\sigma(E, \theta)$, polarized longitudinal-transverse structure function; deduced sensitivity to Roper resonance. JOUR PRVCA 72 058202
- 2005KHZX RADIOACTIVITY $^1\text{n}(\beta^-)$; measured $\beta\text{p-}$, $\beta\text{p}\gamma\text{-coin}$; deduced branching ratio for radiative decay. Comparison with model predictions. PREPRINT nucl-ex/0512001,12/1/2005
- 2005MAZM NUCLEAR REACTIONS $^2\text{H}(^{48}\text{Ca}, ^{49}\text{Ca})$, $E=105$ MeV; measured $E\gamma$, $I\gamma$, (particle) $\gamma\text{-coin}$. $^{48}\text{Ca}(\text{polarized } d, \text{p})$, $E=14$ MeV; measured proton spectra, $\sigma(\theta)$. ^{49}Ca deduced levels, J, π . REPT MLL 2004 Annual,P8,Maierbeck
- 2005NA36 NUCLEAR REACTIONS $^2\text{H}, \text{C}(^7\text{Li}, ^7\text{Be})$, $E=65$ MeV / nucleon; measured spin-flip and spin-nonflip particle spectra; deduced charge-exchange spin-flip σ . $^2\text{H}(\gamma, \text{n})$, $E \approx 1.5\text{-}10$ MeV; deduced magnetic dipole σ . Comparison with previous results, model predictions. JOUR PRVCA 72 041001
- 2005ON04 NUCLEAR REACTIONS $^1\text{H}(^{16}\text{C}, ^{16}\text{C}')$, $E=33$ MeV / nucleon; measured $E\gamma, I\gamma$, (particle) $\gamma\text{-coin}$; deduced σ . ^{16}C deduced deformation parameter. JOUR ZAANE 25 s01 347
- 2005R037 NUCLEAR REACTIONS $^1\text{H}(^8\text{He}, ^8\text{He})$, E not given; measured recoil proton spectrum; deduced excitation function. $^1\text{H}(^6\text{He}, ^6\text{Li})$, E not given; measured neutron spectrum, $\text{n}\gamma\text{-coin}$; deduced excitation function. $^{7,9}\text{Li}$ deduced resonance parameters. $^{7,9}\text{He}$ deduced analog states features. JOUR NIMBE 241 977
- 2005SE22 NUCLEAR REACTIONS $^2\text{H}(\text{p}, \text{p})$, $E=135$ MeV; $^1\text{H}(\text{d}, \text{d})$, $E=135$ MeV / nucleon; measured $\sigma(\theta)$; deduced relativistic effects, three-nucleon force effects. Comparison with previous results. JOUR PRLTA 95 162301
- 2005SEZV NUCLEAR REACTIONS $^2\text{H}(\text{p}, \text{p})$, $E=135$ MeV; $^1\text{H}(\text{d}, \text{d})$, $E=270$ MeV; measured $\sigma(\theta)$. Comparison with model predictions and previous data. PREPRINT nucl-ex/0510005,10/3/2005
- 2005TU09 NUCLEAR REACTIONS $^2\text{H}(^6\text{Li}, \alpha)$, $E=14$ MeV; measured triton and α spectra. $^6\text{Li}(\text{n}, \alpha)$, $E \approx 0\text{-}1$ MeV; deduced $\sigma(\theta)$. JOUR ZAANE 25 s01 649

A=2

- ^2H 2005AI06 NUCLEAR REACTIONS $^1\text{H}(e^+, e^+\text{X})$, E at 27.7 GeV / c; measured tensor asymmetry. ^2H deduced tensor structure function. Polarized target. JOUR PRLTA 95 242001

A=2 (continued)

- 2005CA42 NUCLEAR MOMENTS ^2H , ^{15}N ; measured hfs; deduced parameters. JOUR APJSA 159 181
- 2005CU06 NUCLEAR REACTIONS $^7\text{Li}(^7\text{Li}, ^{11}\text{B})$, $(^7\text{Li}, ^{12}\text{B})$, $E=58$ MeV; ^{12}C , $^{16}\text{O}(^7\text{Li}, ^{10}\text{B})$, $E=58$ MeV; measured particle spectra. $^{10,11,12}\text{B}$ deduced relative yields for $\alpha+\text{Li}$ and $\text{H}+\text{Be}$ decay channels from excited states. JOUR PRVCA 72 044320
- 2005LA30 NUCLEAR REACTIONS H , $\text{C}(\text{polarized d}, \text{pX})$, E at 9 GeV / c; measured tensor analyzing power vs proton transverse momentum. ^2H deduced wave function features. JOUR PYLBB 629 60
- 2005SE22 NUCLEAR REACTIONS $^2\text{H}(\text{p}, \text{p})$, $E=135$ MeV; $^1\text{H}(\text{d}, \text{d})$, $E=135$ MeV / nucleon; measured $\sigma(\theta)$; deduced relativistic effects, three-nucleon force effects. Comparison with previous results. JOUR PRLTA 95 162301
- 2005SEZV NUCLEAR REACTIONS $^2\text{H}(\text{p}, \text{p})$, $E=135$ MeV; $^1\text{H}(\text{d}, \text{d})$, $E=270$ MeV; measured $\sigma(\theta)$. Comparison with model predictions and previous data. PREPRINT nucl-ex/0510005,10/3/2005
- 2005SH51 NUCLEAR REACTIONS $^4\text{He}(\gamma, \text{p})$, (γ, n) , (γ, np) , $E=21.8-29.8$ MeV; $^{12}\text{C}(\gamma, \text{p})$, (γ, n) , $E=22.3-32$ MeV; measured charged particle spectra, photodisintegration σ , $\sigma(\theta)$. Monoenergetic pulsed photons, comparison with previous results and model predictions. JOUR PRVCA 72 044004

A=3

- ^3H 2005CU06 NUCLEAR REACTIONS $^7\text{Li}(^7\text{Li}, ^{11}\text{B})$, $(^7\text{Li}, ^{12}\text{B})$, $E=58$ MeV; ^{12}C , $^{16}\text{O}(^7\text{Li}, ^{10}\text{B})$, $E=58$ MeV; measured particle spectra. $^{10,11,12}\text{B}$ deduced relative yields for $\alpha+\text{Li}$ and $\text{H}+\text{Be}$ decay channels from excited states. JOUR PRVCA 72 044320
- 2005GI18 NUCLEAR REACTIONS $^1\text{H}(^6\text{He}, \alpha)$, $E=25$ MeV / nucleon; measured $\sigma(\theta)$; deduced particle transfer contributions, entrance potential dependence. ^6He deduced spectroscopic factors for $\text{t}+\text{t}$ and $\text{a}+2\text{n}$ cluster configurations. SPEG spectrometer and MUST array at GANIL. DWBA and coupled-channels calculations. JOUR ZAANE 25 s01 267
- 2005KI17 NUCLEAR REACTIONS $^4\text{He}(\gamma, \text{p})$, (γ, n) , $E \approx 27.6$ MeV; measured particle spectra, tp- , $(^3\text{He})\text{n-coin}$. Time projection chamber. JOUR NIMAE 552 329
- 2005MI32 NUCLEAR REACTIONS $^4\text{He}(^{22}\text{O}, ^{23}\text{F})$, $E=35$ MeV / nucleon; $^4\text{He}(^{23}\text{F}, ^{23}\text{F}')$, $E=41.5$ MeV / nucleon; $^4\text{He}(^{24}\text{F}, ^{23}\text{F})$, $E=36$ MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) $\gamma\text{-}$, $\gamma\gamma\text{-coin}$; deduced $\sigma(E)$. ^{23}F deduced levels, J , π . DWBA analysis. JOUR ZAANE 25 s01 367
- 2005MIZT NUCLEAR REACTIONS $^4\text{He}(^{22}\text{O}, ^{23}\text{F})$, $(^{23}\text{F}, ^{23}\text{F}')$, $(^{24}\text{F}, ^{23}\text{F})$, $(^{25}\text{Ne}, ^{23}\text{F})$, $E \approx 35-43$ MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) $\gamma\text{-}$, $\gamma\gamma\text{-coin}$. $^4\text{He}(^{22}\text{O}, ^{23}\text{F})$, $E=35$ MeV / nucleon; measured $\sigma(\theta)$. ^{23}F deduced levels, J , π , configurations. REPT CNS-REP-67, Michimasa
- 2005RA27 NUCLEAR REACTIONS $^2\text{H}(\text{d}, \text{p})$, $E \approx 4-23$ keV; measured S-factors, electron screening effects for reactions in deuterated metals, temperature dependence. JOUR JPGPE 31 1141

A=3 (continued)

- 2005SH46 NUCLEAR REACTIONS $^4\text{He}(^{22}\text{O}, ^{23}\text{F})$, $E=35$ MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -coin, $\sigma(\theta)$. ^{23}F deduced levels, J , π . JOUR JPGPE 31 S1759
- 2005SH51 NUCLEAR REACTIONS $^4\text{He}(\gamma, p)$, (γ, n) , (γ, np) , $E=21.8-29.8$ MeV; $^{12}\text{C}(\gamma, p)$, (γ, n) , $E=22.3-32$ MeV; measured charged particle spectra, photodisintegration σ , $\sigma(\theta)$. Monoenergetic pulsed photons, comparison with previous results and model predictions. JOUR PRVCA 72 044004
- 2005ST30 NUCLEAR REACTIONS $^4\text{He}(e, e'p\pi^-)$, $(e, e'p\pi^0)$, $E=672$ MeV; measured E_p , recoil spectra, $\sigma(\theta)$. Comparison with model predictions. JOUR PRLTA 95 172501
- 2005TU09 NUCLEAR REACTIONS $^2\text{H}(^6\text{Li}, t\alpha)$, $E=14$ MeV; measured triton and α spectra. $^6\text{Li}(n, \alpha)$, $E \approx 0-1$ MeV; deduced $\sigma(\theta)$. JOUR ZAANE 25 s01 649
- 2005VE08 NUCLEAR REACTIONS $^6\text{Li}(n, \alpha)$, $E=\text{reactor}$; measured triton spectra, angular distribution; deduced P-odd asymmetry coefficient. JOUR PZETA 82 519
- ^3He 2005KI17 NUCLEAR REACTIONS $^4\text{He}(\gamma, p)$, (γ, n) , $E \approx 27.6$ MeV; measured particle spectra, tp^- , $(^3\text{He})n$ -coin. Time projection chamber. JOUR NIMAE 552 329
- 2005KR14 NUCLEAR REACTIONS $^3\text{He}(\text{polarized } e, e')$, $E=3.465-5.727$ GeV; measured parallel and perpendicular cross section differences. ^1n , ^3He deduced momentum transfer dependence of spin structure function. JOUR PRLTA 95 142002
- 2005NI20 NUCLEAR REACTIONS $^4\text{He}(\gamma, n)$, $E=23-42$ MeV; measured $\sigma(\theta)$; deduced angle-integrated σ . Comparison with previous data and various model calculations. Liquid target, tagged photons. JOUR PYLBB 626 65
- 2005SH51 NUCLEAR REACTIONS $^4\text{He}(\gamma, p)$, (γ, n) , (γ, np) , $E=21.8-29.8$ MeV; $^{12}\text{C}(\gamma, p)$, (γ, n) , $E=22.3-32$ MeV; measured charged particle spectra, photodisintegration σ , $\sigma(\theta)$. Monoenergetic pulsed photons, comparison with previous results and model predictions. JOUR PRVCA 72 044004
- 2005ST30 NUCLEAR REACTIONS $^4\text{He}(e, e'p\pi^-)$, $(e, e'p\pi^0)$, $E=672$ MeV; measured E_p , recoil spectra, $\sigma(\theta)$. Comparison with model predictions. JOUR PRLTA 95 172501

A=4

- ^4n 2005KI20 NUCLEAR REACTIONS $^4\text{He}(\pi^+, \pi^-)$, $E=120, 150, 180, 240, 270$ MeV; $^4\text{He}(\pi^-, \pi^+)$, $E=180, 240$ MeV; measured $\sigma(E, \theta)$; deduced multiple scattering effects, total σ . JOUR PRVCA 72 044608
- ^4He 2005MI32 NUCLEAR REACTIONS $^4\text{He}(^{22}\text{O}, ^{23}\text{F})$, $E=35$ MeV / nucleon; $^4\text{He}(^{23}\text{F}, ^{23}\text{F}')$, $E=41.5$ MeV / nucleon; $^4\text{He}(^{24}\text{F}, ^{23}\text{F})$, $E=36$ MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -, $\gamma\gamma$ -coin; deduced $\sigma(E)$. ^{23}F deduced levels, J , π . DWBA analysis. JOUR ZAANE 25 s01 367

A=4 (continued)

- 2005MIZT NUCLEAR REACTIONS ${}^4\text{He}({}^{22}\text{O}, {}^{23}\text{F}), ({}^{23}\text{F}, {}^{23}\text{F}'), ({}^{24}\text{F}, {}^{23}\text{F}), ({}^{25}\text{Ne}, {}^{23}\text{F}), E \approx 35\text{-}43$ MeV / nucleon; measured $E\gamma, I\gamma, (\text{particle})\gamma-, \gamma\gamma\text{-coin}$. ${}^4\text{He}({}^{22}\text{O}, {}^{23}\text{F}), E=35$ MeV / nucleon; measured $\sigma(\theta)$. ${}^{23}\text{F}$ deduced levels, J, π , configurations. REPT CNS-REP-67, Michimasa
- 2005SU25 RADIOACTIVITY ${}^8\text{B}(\text{EC}\alpha)$ [from ${}^6\text{Li}({}^3\text{He}, \text{n})$]; ${}^8\text{Li}(\beta-\alpha)$ [from ${}^7\text{Li}(\text{d}, \text{p})$]; measured $\beta\text{-NMR}$ spectra; angular correlations; deduced limit on G-parity term. JOUR ZAANE 25 s01 709
- 2005WRZZ NUCLEAR REACTIONS ${}^2\text{H}(\text{d}, \text{X}){}^4\text{He}, E \approx$ threshold; measured η production $\sigma, \sigma(\theta)$. PREPRINT nucl-ex/0510056, 10/20/2005
- ${}^4\text{Be}$ 2005KI20 NUCLEAR REACTIONS ${}^4\text{He}(\pi^+, \pi^-), E=120, 150, 180, 240, 270$ MeV; ${}^4\text{He}(\pi^-, \pi^+), E=180, 240$ MeV; measured $\sigma(E, \theta)$; deduced multiple scattering effects, total σ . JOUR PRVCA 72 044608

A=5

- ${}^5\text{H}$ 2005TE05 NUCLEAR REACTIONS ${}^3\text{H}(\text{t}, \text{p}), E=58$ MeV; ${}^2\text{H}({}^6\text{He}, \text{t}), ({}^6\text{He}, {}^3\text{He}), E=132$ MeV; measured particle spectra, angular correlations following residual nucleus decay. ${}^5\text{He}$ deduced resonances J, π , IAS features. ${}^5\text{H}$ deduced ground-state resonance energy. JOUR ZAANE 25 s01 315
- ${}^5\text{He}$ 2005MI32 NUCLEAR REACTIONS ${}^4\text{He}({}^{22}\text{O}, {}^{23}\text{F}), E=35$ MeV / nucleon; ${}^4\text{He}({}^{23}\text{F}, {}^{23}\text{F}'), E=41.5$ MeV / nucleon; ${}^4\text{He}({}^{24}\text{F}, {}^{23}\text{F}), E=36$ MeV / nucleon; measured $E\gamma, I\gamma, (\text{particle})\gamma-, \gamma\gamma\text{-coin}$; deduced $\sigma(E)$. ${}^{23}\text{F}$ deduced levels, J, π . DWBA analysis. JOUR ZAANE 25 s01 367
- 2005MIZT NUCLEAR REACTIONS ${}^4\text{He}({}^{22}\text{O}, {}^{23}\text{F}), ({}^{23}\text{F}, {}^{23}\text{F}'), ({}^{24}\text{F}, {}^{23}\text{F}), ({}^{25}\text{Ne}, {}^{23}\text{F}), E \approx 35\text{-}43$ MeV / nucleon; measured $E\gamma, I\gamma, (\text{particle})\gamma-, \gamma\gamma\text{-coin}$. ${}^4\text{He}({}^{22}\text{O}, {}^{23}\text{F}), E=35$ MeV / nucleon; measured $\sigma(\theta)$. ${}^{23}\text{F}$ deduced levels, J, π , configurations. REPT CNS-REP-67, Michimasa
- 2005S013 NUCLEAR REACTIONS ${}^{16}\text{O}({}^9\text{Be}, \alpha{}^7\text{Be}), {}^7\text{Li}({}^9\text{Be}, \alpha{}^7\text{Li}), ({}^9\text{Be}, \text{t}2\alpha), E=55, 70$ MeV; measured excitation energy spectra. ${}^{11}\text{B}, {}^{11}\text{C}$ deduced excited states energies, configurations. JOUR JPGPE 31 S1701
- 2005TE05 NUCLEAR REACTIONS ${}^3\text{H}(\text{t}, \text{p}), E=58$ MeV; ${}^2\text{H}({}^6\text{He}, \text{t}), ({}^6\text{He}, {}^3\text{He}), E=132$ MeV; measured particle spectra, angular correlations following residual nucleus decay. ${}^5\text{He}$ deduced resonances J, π , IAS features. ${}^5\text{H}$ deduced ground-state resonance energy. JOUR ZAANE 25 s01 315

A=6

- ${}^6\text{He}$ 2005GI18 NUCLEAR REACTIONS ${}^1\text{H}({}^6\text{He}, \alpha), E=25$ MeV / nucleon; measured $\sigma(\theta)$; deduced particle transfer contributions, entrance potential dependence. ${}^6\text{He}$ deduced spectroscopic factors for t+t and a+2n cluster configurations. SPEG spectrometer and MUST array at GANIL. DWBA and coupled-channels calculations. JOUR ZAANE 25 s01 267
- 2005HA64 NUCLEAR REACTIONS ${}^1\text{H}({}^6\text{He}, {}^6\text{He}), E=71$ MeV / nucleon; measured $\sigma(\theta)$, analyzing powers; deduced optical model parameters. ${}^6\text{He}$ deduced rms radius. Polarized target. Comparison with model predictions. JOUR ZAANE 25 s01 255

A=6 (continued)

- 2005KI21 NUCLEAR REACTIONS $^1\text{H}(^6\text{He}, \text{p})$, $(^8\text{He}, \text{p})$, $E \approx 700$ MeV / nucleon; measured recoil proton spectra, $\sigma(E, \theta)$. $^{6,8}\text{He}$ deduced nuclear matter density distributions, charge radii, cluster configurations, spectroscopic factors. JOUR ZAANE 25 s01 215
- 2005YE05 NUCLEAR REACTIONS $^9\text{Be}(^6\text{He}, ^6\text{He})$, $(^6\text{He}, ^5\text{He})$, $(^6\text{He}, \alpha)$, $(^6\text{He}, \alpha\text{X})$, $(^6\text{He}, \text{tX})$, $E=25$ MeV / nucleon; measured quasielastic, breakup, and transfer $\sigma(\theta)$. ^6He deduced two-triton configuration. JOUR JPGPE 31 S1647
- ^6Li 2004KU36 NUCLEAR REACTIONS $^3\text{He}(^7\text{Li}, \alpha)$, $E=31.2$ MeV; measured $E\alpha$. ^6Li deduced resonance energies, widths. JOUR BJPHE 34 933
- 2005B049 NUCLEAR REACTIONS $^1\text{H}(^6\text{He}, \text{n})$, E not given; measured Doppler-shifted $E\gamma$, $I\gamma$. ^7Li deduced resonance features, IAS. JOUR ZAANE 25 s01 259
- 2005MIZT NUCLEAR REACTIONS $^4\text{He}(^{22}\text{O}, ^{23}\text{F})$, $(^{23}\text{F}, ^{23}\text{F}')$, $(^{24}\text{F}, ^{23}\text{F})$, $(^{25}\text{Ne}, ^{23}\text{F})$, $E \approx 35-43$ MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -, $\gamma\gamma$ -coin. $^4\text{He}(^{22}\text{O}, ^{23}\text{F})$, $E=35$ MeV / nucleon; measured $\sigma(\theta)$. ^{23}F deduced levels, J , π , configurations. REPT CNS-REP-67, Michimasa
- 2005N015 NUCLEAR MOMENTS $^{6,7,8,9}\text{Li}$; measured hfs, isotope shifts; deduced charge radii. Resonance ionization mass spectroscopy, comparison with model predictions. JOUR ZAANE 25 s01 199
- ^6Be 2004GU21 NUCLEAR REACTIONS $^9\text{Be}(^{14}\text{B}, ^{13}\text{BX})$, $E=60$ MeV / nucleon; measured $E\gamma$, $I\gamma$, particle momentum distribution, $\sigma(E)$. ^{13}B deduced levels, J , π , asymptotic normalization coefficients. $^2\text{H}(^8\text{B}, \alpha)$, $E=28.5$ MeV; measured $E\alpha$. JOUR BJPHE 34 1012

A=7

- ^7He 2005R037 NUCLEAR REACTIONS $^1\text{H}(^8\text{He}, ^8\text{He})$, E not given; measured recoil proton spectrum; deduced excitation function. $^1\text{H}(^6\text{He}, ^6\text{Li})$, E not given; measured neutron spectrum, $n\gamma$ -coin; deduced excitation function. $^{7,9}\text{Li}$ deduced resonance parameters. $^{7,9}\text{He}$ deduced analog states features. JOUR NIMBE 241 977
- ^7Li 2005BA96 NUCLEAR REACTIONS $^7\text{Li}(^7\text{Be}, ^7\text{Be})$, $E(\text{cm})=8.87, 9.87$ MeV; measured $\sigma(\theta)$; deduced optical model parameters. JOUR PRVCA 72 044602
- 2005B049 NUCLEAR REACTIONS $^1\text{H}(^6\text{He}, \text{n})$, E not given; measured Doppler-shifted $E\gamma$, $I\gamma$. ^7Li deduced resonance features, IAS. JOUR ZAANE 25 s01 259
- 2005N015 NUCLEAR MOMENTS $^{6,7,8,9}\text{Li}$; measured hfs, isotope shifts; deduced charge radii. Resonance ionization mass spectroscopy, comparison with model predictions. JOUR ZAANE 25 s01 199
- 2005R037 NUCLEAR REACTIONS $^1\text{H}(^8\text{He}, ^8\text{He})$, E not given; measured recoil proton spectrum; deduced excitation function. $^1\text{H}(^6\text{He}, ^6\text{Li})$, E not given; measured neutron spectrum, $n\gamma$ -coin; deduced excitation function. $^{7,9}\text{Li}$ deduced resonance parameters. $^{7,9}\text{He}$ deduced analog states features. JOUR NIMBE 241 977

A=7 (continued)

- 2005RU18 NUCLEAR REACTIONS ${}^7\text{Li}({}^{11}\text{B}, \text{X})$, $E=44$ MeV; measured particle spectra, charge distributions. ${}^7\text{Li}({}^{11}\text{B}, {}^{11}\text{B})$, $({}^{11}\text{B}, {}^{11}\text{B}')$, $E=44$ MeV; measured $\sigma(E, \theta)$; ${}^{11}\text{B}({}^7\text{Li}, {}^7\text{Li})$, $({}^7\text{Li}, {}^7\text{Li}')$, $E=34$ MeV; analyzed $\sigma(E, \theta)$; deduced optical model parameters, transfer channel contributions, reorientation effects. ${}^7\text{Li}$, ${}^{11}\text{B}$ deduced deformation parameters. Optical model and coupled-reaction-channels analysis. JOUR PRVCA 72 034608
- ${}^7\text{Be}$ 2005DA41 NUCLEAR REACTIONS $\text{H}, \text{C}({}^7\text{Li}, \text{X}){}^7\text{Be}$, $E \approx 25\text{-}30$ MeV; measured yields. JOUR NIMBE 241 953
- 2005SE23 NUCLEAR REACTIONS ${}^{197}\text{Au}(\text{n}, \gamma)$, $E=\text{spectrum}$; measured $E\gamma, I\gamma$; deduced neutron flux. ${}^7\text{Li}(\text{p}, \text{n})$, E not given; deduced neutron spectrum. ${}^{62}\text{Ni}(\text{n}, \gamma)$, $E \approx 5.5\text{-}20$ keV; measured σ ; deduced Maxwellian-averaged σ . JOUR JUPSA 74 2981

A=8

- ${}^8\text{He}$ 2005KI21 NUCLEAR REACTIONS ${}^1\text{H}({}^6\text{He}, \text{p})$, $({}^8\text{He}, \text{p})$, $E \approx 700$ MeV / nucleon; measured recoil proton spectra, $\sigma(E, \theta)$. ${}^6,8\text{He}$ deduced nuclear matter density distributions, charge radii, cluster configurations, spectroscopic factors. JOUR ZAANE 25 s01 215
- ${}^8\text{Li}$ 2005B045 RADIOACTIVITY ${}^8,9\text{Li}(\beta^-)$ [from $\text{Ta}(\text{p}, \text{X})$]; measured β -asymmetries, β -NMR spectra from polarized sources. ${}^8,9\text{Li}$ deduced quadrupole moments. ${}^9\text{Li}$ deduced μ . Comparisons with previous results and model predictions. JOUR PRVCA 72 044309
- 2005N015 NUCLEAR MOMENTS ${}^{6,7,8,9}\text{Li}$; measured hfs, isotope shifts; deduced charge radii. Resonance ionization mass spectroscopy, comparison with model predictions. JOUR ZAANE 25 s01 199
- 2005SU25 RADIOACTIVITY ${}^8\text{B}(\text{EC}\alpha)$ [from ${}^6\text{Li}({}^3\text{He}, \text{n})$]; ${}^8\text{Li}(\beta^- \alpha)$ [from ${}^7\text{Li}(\text{d}, \text{p})$]; measured β -NMR spectra; angular correlations; deduced limit on G-parity term. JOUR ZAANE 25 s01 709
- ${}^8\text{Be}$ 2005AN30 NUCLEAR REACTIONS ${}^2\text{H}({}^7\text{Be}, 2\alpha)$, $E=1.71, 5.55$ MeV; measured particle spectra, σ . ${}^7\text{Be}(\text{d}, \text{p})$, $E(\text{cm}) \approx 0.38, 1.2$ MeV; deduced astrophysical S-factors. Implications for primordial ${}^7\text{Li}$ abundance discussed. JOUR ASJOA 630 L105
- 2005B045 RADIOACTIVITY ${}^8,9\text{Li}(\beta^-)$ [from $\text{Ta}(\text{p}, \text{X})$]; measured β -asymmetries, β -NMR spectra from polarized sources. ${}^8,9\text{Li}$ deduced quadrupole moments. ${}^9\text{Li}$ deduced μ . Comparisons with previous results and model predictions. JOUR PRVCA 72 044309
- 2005SCZV NUCLEAR REACTIONS ${}^9\text{Be}({}^{26}\text{Mg}, {}^{27}\text{Mg})$, $E=57$ MeV; measured $E\gamma, I\gamma, \alpha\alpha\text{-coin}, \sigma(\theta)$. ${}^{27}\text{Mg}$ deduced transitions. REPT MLL 2004 Annual,P4,Schwerdtfeger
- 2005SPZY NUCLEAR REACTIONS ${}^{12}\text{C}({}^{32}\text{S}, {}^{36}\text{Ar})$, $E=65$ MeV; ${}^{12}\text{C}({}^{34}\text{S}, {}^{38}\text{Ar})$, $E=67$ MeV; measured $E\gamma, I\gamma(\theta, \text{H}, \text{t}), \alpha\gamma\text{-coin}$. ${}^{36,38}\text{Ar}$ levels deduced g factors. Transient field technique. Comparison with shell model predictions. REPT MLL 2004 Annual,P5,Speidel
- ${}^8\text{B}$ 2005SU25 RADIOACTIVITY ${}^8\text{B}(\text{EC}\alpha)$ [from ${}^6\text{Li}({}^3\text{He}, \text{n})$]; ${}^8\text{Li}(\beta^- \alpha)$ [from ${}^7\text{Li}(\text{d}, \text{p})$]; measured β -NMR spectra; angular correlations; deduced limit on G-parity term. JOUR ZAANE 25 s01 709

A=8 (continued)

- 2005TA32 NUCLEAR REACTIONS Be, C, Al(^{12}C , X), E=30-200 MeV / nucleon; Be(^9Be , X), E=70-100 MeV / nucleon; measured reaction $\sigma(E)$; deduced nucleon-nucleon interaction range. ^8B deduced nuclear matter density distribution. Comparison with Glauber calculations. JOUR ZAANE 25 s01 217

A=9

- ^9He 2005R037 NUCLEAR REACTIONS $^1\text{H}(^8\text{He}, ^8\text{He})$, E not given; measured recoil proton spectrum; deduced excitation function. $^1\text{H}(^6\text{He}, ^6\text{Li})$, E not given; measured neutron spectrum, $n\gamma$ -coin; deduced excitation function. $^{7,9}\text{Li}$ deduced resonance parameters. $^{7,9}\text{He}$ deduced analog states features. JOUR NIMBE 241 977
- ^9Li 2005B045 RADIOACTIVITY $^{8,9}\text{Li}(\beta^-)$ [from Ta(p, X)]; measured β -asymmetries, β -NMR spectra from polarized sources. $^{8,9}\text{Li}$ deduced quadrupole moments. ^9Li deduced μ . Comparisons with previous results and model predictions. JOUR PRVCA 72 044309
- 2005N015 NUCLEAR MOMENTS $^{6,7,8,9}\text{Li}$; measured hfs, isotope shifts; deduced charge radii. Resonance ionization mass spectroscopy, comparison with model predictions. JOUR ZAANE 25 s01 199
- 2005R037 NUCLEAR REACTIONS $^1\text{H}(^8\text{He}, ^8\text{He})$, E not given; measured recoil proton spectrum; deduced excitation function. $^1\text{H}(^6\text{He}, ^6\text{Li})$, E not given; measured neutron spectrum, $n\gamma$ -coin; deduced excitation function. $^{7,9}\text{Li}$ deduced resonance parameters. $^{7,9}\text{He}$ deduced analog states features. JOUR NIMBE 241 977
- ^9Be 2005AD35 NUCLEAR REACTIONS $^6\text{Li}(^6\text{Li}, \alpha\text{X})$, ($^7\text{Li}, \alpha\text{X}$), E=14-20 MeV; measured α -spectra. $^{12}\text{C}(n, \alpha)$, E=72.8 MeV; $^{28}\text{Si}(^6\text{Li}, \alpha)$, E=36 MeV; analyzed α -spectra. Statistical model calculations. Target-projectile symmetry discussed. JOUR ZAANE 25 s01 299
- 2005B045 RADIOACTIVITY $^{8,9}\text{Li}(\beta^-)$ [from Ta(p, X)]; measured β -asymmetries, β -NMR spectra from polarized sources. $^{8,9}\text{Li}$ deduced quadrupole moments. ^9Li deduced μ . Comparisons with previous results and model predictions. JOUR PRVCA 72 044309
- 2005YE05 NUCLEAR REACTIONS $^9\text{Be}(^6\text{He}, ^6\text{He})$, ($^6\text{He}, ^5\text{He}$), ($^6\text{He}, \alpha$), ($^6\text{He}, \alpha\text{X}$), ($^6\text{He}, \text{tX}$), E=25 MeV / nucleon; measured quasielastic, breakup, and transfer $\sigma(\theta)$. ^6He deduced two-triton configuration. JOUR JPGPE 31 S1647
- ^9C 2005GU29 NUCLEAR REACTIONS $^2\text{H}(^8\text{Li}, ^9\text{Li})$, E(cm)=7.8 MeV; measured $\sigma(\theta)$; deduced asymptotic normalization coefficient. $^8\text{B}(p, \gamma)$, E=low; calculated astrophysical S-factor. DWBA analysis, inverse kinematics, comparison with data. JOUR NUPAB 761 162

A=10

- ¹⁰Be 2005YE05 NUCLEAR REACTIONS ⁹Be(⁶He, ⁶He), (⁶He, ⁵He), (⁶He, α), (⁶He, α X), (⁶He, tX), E=25 MeV / nucleon; measured quasielastic, breakup, and transfer $\sigma(\theta)$. ⁶He deduced two-triton configuration. JOUR JPGPE 31 S1647
- ¹⁰B 2005CU06 NUCLEAR REACTIONS ⁷Li(⁷Li, ¹¹B), (⁷Li, ¹²B), E=58 MeV; ¹²C, ¹⁶O(⁷Li, ¹⁰B), E=58 MeV; measured particle spectra. ^{10,11,12}B deduced relative yields for α +Li and H+Be decay channels from excited states. JOUR PRVCA 72 044320

A=11

- ¹¹Li 2005BB01 ATOMIC MASSES ¹¹Li; measured mass; deduced two-neutron separation energy. ¹¹Be; measured mass. Transmission mass spectrometer. JOUR ZAANE 25 s01 31
- ¹¹Be 2005BB01 ATOMIC MASSES ¹¹Li; measured mass; deduced two-neutron separation energy. ¹¹Be; measured mass. Transmission mass spectrometer. JOUR ZAANE 25 s01 31
- 2005PA68 NUCLEAR REACTIONS C(¹²Be, n¹¹Be), E=39.3 MeV / nucleon; measured En, E γ , projectile-like fragments spectra, relative energy spectra; deduced $\sigma(E)$. ¹¹Be deduced excited states. ¹²Be deduced ground state configuration. Kinematically complete measurement. JOUR ZAANE 25 s01 349
- 2005PAZV NUCLEAR REACTIONS C(¹²Be, ¹¹BeX), E(cm) \approx 39.3 MeV; measured E γ , En, (particle) γ -, (particle)n-coin; deduced one-neutron removal $\sigma(E)$. ¹¹Be levels deduced spectroscopic factors. ¹²Be deduced ground-state configuration. PREPRINT nucl-ex/0510048,10/16/2005
- 2005YE05 NUCLEAR REACTIONS ⁹Be(⁶He, ⁶He), (⁶He, ⁵He), (⁶He, α), (⁶He, α X), (⁶He, tX), E=25 MeV / nucleon; measured quasielastic, breakup, and transfer $\sigma(\theta)$. ⁶He deduced two-triton configuration. JOUR JPGPE 31 S1647
- ¹¹B 2005CU06 NUCLEAR REACTIONS ⁷Li(⁷Li, ¹¹B), (⁷Li, ¹²B), E=58 MeV; ¹²C, ¹⁶O(⁷Li, ¹⁰B), E=58 MeV; measured particle spectra. ^{10,11,12}B deduced relative yields for α +Li and H+Be decay channels from excited states. JOUR PRVCA 72 044320
- 2005KAZU NUCLEAR REACTIONS ¹¹B(d, d'), E=200 MeV; measured $\sigma(E, \theta)$. ¹¹B levels deduced isoscalar monopole and quadrupole strengths, cluster structure. Comparison with antisymmetrized molecular dynamics model predictions. PREPRINT nucl-ex/0512040,12/25/2005
- 2005RU18 NUCLEAR REACTIONS ⁷Li(¹¹B, X), E=44 MeV; measured particle spectra, charge distributions. ⁷Li(¹¹B, ¹¹B), (¹¹B, ¹¹B'), E=44 MeV; measured $\sigma(E, \theta)$; ¹¹B(⁷Li, ⁷Li), (⁷Li, ⁷Li'), E=34 MeV; analyzed $\sigma(E, \theta)$; deduced optical model parameters, transfer channel contributions, reorientation effects. ⁷Li, ¹¹B deduced deformation parameters. Optical model and coupled-reaction-channels analysis. JOUR PRVCA 72 034608

A=11 (continued)

- 2005SH51 NUCLEAR REACTIONS $^4\text{He}(\gamma, p)$, (γ, n) , (γ, np) , $E=21.8\text{-}29.8$ MeV; $^{12}\text{C}(\gamma, p)$, (γ, n) , $E=22.3\text{-}32$ MeV; measured charged particle spectra, photodisintegration σ , $\sigma(\theta)$. Monoenergetic pulsed photons, comparison with previous results and model predictions. JOUR PRVCA 72 044004
- 2005S013 NUCLEAR REACTIONS $^{16}\text{O}(^9\text{Be}, \alpha^7\text{Be})$, $^7\text{Li}(^9\text{Be}, \alpha^7\text{Li})$, $(^9\text{Be}, t2\alpha)$, $E=55, 70$ MeV; measured excitation energy spectra. ^{11}B , ^{11}C deduced excited states energies, configurations. JOUR JPGPE 31 S1701
- ^{11}C 2005SH51 NUCLEAR REACTIONS $^4\text{He}(\gamma, p)$, (γ, n) , (γ, np) , $E=21.8\text{-}29.8$ MeV; $^{12}\text{C}(\gamma, p)$, (γ, n) , $E=22.3\text{-}32$ MeV; measured charged particle spectra, photodisintegration σ , $\sigma(\theta)$. Monoenergetic pulsed photons, comparison with previous results and model predictions. JOUR PRVCA 72 044004
- 2005S013 NUCLEAR REACTIONS $^{16}\text{O}(^9\text{Be}, \alpha^7\text{Be})$, $^7\text{Li}(^9\text{Be}, \alpha^7\text{Li})$, $(^9\text{Be}, t2\alpha)$, $E=55, 70$ MeV; measured excitation energy spectra. ^{11}B , ^{11}C deduced excited states energies, configurations. JOUR JPGPE 31 S1701

A=12

- ^{12}Be 2005PA68 NUCLEAR REACTIONS $\text{C}(^{12}\text{Be}, n^{11}\text{Be})$, $E=39.3$ MeV / nucleon; measured E_n , E_γ , projectile-like fragments spectra, relative energy spectra; deduced $\sigma(E)$. ^{11}Be deduced excited states. ^{12}Be deduced ground state configuration. Kinematically complete measurement. JOUR ZAANE 25 s01 349
- 2005PAZV NUCLEAR REACTIONS $\text{C}(^{12}\text{Be}, ^{11}\text{BeX})$, $E(\text{cm}) \approx 39.3$ MeV; measured E_γ , E_n , (particle) γ -, (particle)n-coin; deduced one-neutron removal $\sigma(E)$. ^{11}Be levels deduced spectroscopic factors. ^{12}Be deduced ground-state configuration. PREPRINT nucl-ex/0510048,10/16/2005
- ^{12}B 2005CU06 NUCLEAR REACTIONS $^7\text{Li}(^7\text{Li}, ^{11}\text{B})$, $(^7\text{Li}, ^{12}\text{B})$, $E=58$ MeV; ^{12}C , $^{16}\text{O}(^7\text{Li}, ^{10}\text{B})$, $E=58$ MeV; measured particle spectra. $^{10,11,12}\text{B}$ deduced relative yields for $\alpha+\text{Li}$ and $\text{H}+\text{Be}$ decay channels from excited states. JOUR PRVCA 72 044320
- 2005DI16 RADIOACTIVITY $^{12}\text{B}(\beta^-)$, $(\beta^-3\alpha)$ [from $\text{Ta}(p, X)$]; measured β -delayed E_α , $\alpha\alpha$ -coin. ^{12}C deduced excited states, J , π . R-matrix analysis. JOUR NUPAB 760 3
- ^{12}C 2005AL37 NUCLEAR REACTIONS $^{12}\text{C}(^3\text{He}, t\pi^+)$, $E=2$ GeV; measured excitation energy spectra. $^1\text{H}(d, d'X)$, $(\alpha, \alpha'X)$, $E \approx 1$ GeV / nucleon; measured missing mass spectra. JOUR NIMAE 551 290
- 2005DA42 NUCLEAR REACTIONS $^{12}\text{C}(^{132}\text{Te}, ^{132}\text{Te}')$, $(^{130}\text{Te}, ^{130}\text{Te}')$, $(^{126}\text{Te}, ^{126}\text{Te}')$, $(^{122}\text{Te}, ^{122}\text{Te}')$, $E=3$ MeV / nucleon; measured E_γ , $I_\gamma(\theta)$, (particle) γ -coin following projectile Coulomb excitation. ^{132}Te level deduced g-factor. Recoil-in-vacuum technique. JOUR NIMBE 241 971
- 2005DI16 RADIOACTIVITY $^{12}\text{B}(\beta^-)$, $(\beta^-3\alpha)$ [from $\text{Ta}(p, X)$]; measured β -delayed E_α , $\alpha\alpha$ -coin. ^{12}C deduced excited states, J , π . R-matrix analysis. JOUR NUPAB 760 3
- 2005G036 ATOMIC MASSES ^{12}C , ^{16}O , ^{20}Ne , ^{32}S , $^{36,40}\text{Ar}$; measured masses. Cyclotron-based mass spectrometry. JOUR JPGPE 31 S1869

A=12 (continued)

- 2005GR25 NUCLEAR REACTIONS $^{64}\text{Ni}(^{132}\text{Sn}, \text{X}), (^{134}\text{Sn}, \text{X}), E=450\text{-}620$ MeV; measured fusion σ . $\text{C}(^{130}\text{Te}, ^{130}\text{Te}'), (^{132}\text{Te}, ^{132}\text{Te}'), E=3$ MeV / nucleon; measured $E\gamma, I\gamma$, (particle) γ -coin following projectile Coulomb excitation. ^{132}Te level deduced g factor. $^{13}\text{C}(^{134}\text{Te}, ^{135}\text{Te}), E=550$ MeV; measured $E\gamma, I\gamma$. ^{135}Te level deduced J, π . JOUR JPGPE 31 S1639
- 2005KN02 RADIOACTIVITY $^{13}\text{O}(\beta^+\text{p})$ [from $^{14}\text{N}(\text{p}, 2\text{n})$]; measured β -delayed $E\text{p}, I\text{p}$; deduced log ft. ^{13}N deduced branching ratios for proton decay from excited states. JOUR PRVCA 72 044312
- 2005KU36 NUCLEAR REACTIONS $^{15}\text{N}(\text{p}, \alpha\gamma), E \approx 429, 897$ keV; measured γ -ray yields for nitrogen in various materials; deduced depth profiles. JOUR NIMBE 240 704
- 2005S014 NUCLEAR REACTIONS $^{12}\text{C}(^6\text{Li}, \text{d}\alpha), E=26$ MeV; $^{59}\text{Co}(^6\text{Li}, \text{d}\alpha), E=30$ MeV; measured particle spectra, $\sigma(\theta(\alpha), \theta(\text{d}))$, three-body final state correlations; deduced reaction mechanism features. JOUR BJPHE 35 888

A=13

- ^{13}B 2004GU21 NUCLEAR REACTIONS $^9\text{Be}(^{14}\text{B}, ^{13}\text{BX}), E=60$ MeV / nucleon; measured $E\gamma, I\gamma$, particle momentum distribution, $\sigma(E)$. ^{13}B deduced levels, J, π , asymptotic normalization coefficients. $^2\text{H}(^8\text{B}, \alpha), E=28.5$ MeV; measured $E\alpha$. JOUR BJPHE 34 1012
- ^{13}C 2005CU06 NUCLEAR REACTIONS $^7\text{Li}(^7\text{Li}, ^{11}\text{B}), (^7\text{Li}, ^{12}\text{B}), E=58$ MeV; $^{12}\text{C}, ^{16}\text{O}(^7\text{Li}, ^{10}\text{B}), E=58$ MeV; measured particle spectra. $^{10,11,12}\text{B}$ deduced relative yields for $\alpha+\text{Li}$ and $\text{H}+\text{Be}$ decay channels from excited states. JOUR PRVCA 72 044320
- ^{13}N 2005FE11 NUCLEAR REACTIONS $^1\text{H}(^{12}\text{C}, \gamma), E(\text{cm})=206.8, 229.5$ keV; measured yields. Accelerator mass spectrometry. JOUR NIMBE 240 495
- 2005KN02 RADIOACTIVITY $^{13}\text{O}(\beta^+\text{p})$ [from $^{14}\text{N}(\text{p}, 2\text{n})$]; measured β -delayed $E\text{p}, I\text{p}$; deduced log ft. ^{13}N deduced branching ratios for proton decay from excited states. JOUR PRVCA 72 044312
- 2006LE01 NUCLEAR REACTIONS $^{13}\text{C}(\text{p}, \text{n}), E=5\text{-}30$ MeV; measured neutron yield. Comparison with previous results. JOUR NIMAE 556 397
- ^{13}O 2005KN02 RADIOACTIVITY $^{13}\text{O}(\beta^+\text{p})$ [from $^{14}\text{N}(\text{p}, 2\text{n})$]; measured β -delayed $E\text{p}, I\text{p}$; deduced log ft. ^{13}N deduced branching ratios for proton decay from excited states. JOUR PRVCA 72 044312

A=14

- ^{14}C 2005MC12 NUCLEAR REACTIONS $^{12}\text{C}(^{16}\text{O}, ^{14}\text{O}), E$ not given; measured excitation energy spectra. ^{14}C deduced decay branch widths. JOUR JPGPE 31 S1921
- 2005NE14 NUCLEAR REACTIONS $^{14}\text{N}(\text{d}, 2\text{p}), E=170$ MeV; $^{14}\text{N}(^3\text{He}, \text{t}), E=420$ MeV; measured excitation energy spectra; deduced isospin symmetry features. JOUR JPGPE 31 S1931

A=14 (continued)

- 2005S013 NUCLEAR REACTIONS $^{16}\text{O}(^9\text{Be}, \alpha^7\text{Be})$, $^7\text{Li}(^9\text{Be}, \alpha^7\text{Li})$, ($^9\text{Be}, t2\alpha$), E=55, 70 MeV; measured excitation energy spectra. ^{11}B , ^{11}C deduced excited states energies, configurations. JOUR JPGPE 31 S1701
- ^{14}N 2005BL23 NUCLEAR REACTIONS ^{12}C , $^{14}\text{N}(^{17}\text{F}, ^{17}\text{F})$, E=10 MeV / nucleon; measured $\sigma(\theta)$; deduced parameters, reaction mechanism features. Double-folding procedure. JOUR PRVCA 72 034606
- 2005MA92 NUCLEAR REACTIONS $^{13}\text{C}(p, \gamma)$, E \approx 450-680 MeV; measured E_γ , I_γ . ^{14}N deduced resonance width. Monolayer target. JOUR NIMAE 555 31
- 2005RA26 NUCLEAR MOMENTS ^{14}N ; measured hfs; deduced parameters. JOUR CHPLB 415 161
- ^{14}O 2005GU25 NUCLEAR REACTIONS $^1\text{H}(^{14}\text{O}, p)$, E=120 MeV; measured recoil proton spectra, $\sigma(\theta)$. ^{15}F deduced resonance energies, J, π . JOUR PRVCA 72 034312
- 2005NE14 NUCLEAR REACTIONS $^{14}\text{N}(d, 2p)$, E=170 MeV; $^{14}\text{N}(^3\text{He}, t)$, E=420 MeV; measured excitation energy spectra; deduced isospin symmetry features. JOUR JPGPE 31 S1931

A=15

- ^{15}C 2005DA38 NUCLEAR REACTIONS Pb(^{17}C , $n^{16}\text{C}$), (^{23}O , $n^{22}\text{O}$), E \approx 400-600 MeV / nucleon; measured E_γ , I_γ , Coulomb dissociation σ . $^{14}\text{C}(n, \gamma)$, E(cm)=23 keV; deduced capture σ . JOUR JPGPE 31 S1583
- 2005DA43 NUCLEAR REACTIONS Pb(^{17}C , $n^{16}\text{C}$), (^{23}O , $n^{22}\text{O}$), E \approx 400-600 MeV / nucleon; measured E_γ , I_γ , Coulomb dissociation σ . $^{14}\text{C}(n, \gamma)$, E(cm)=23 keV; deduced capture σ . JOUR ZAANE 25 s01 339
- ^{15}N 2005CA42 NUCLEAR MOMENTS ^2H , ^{15}N ; measured hfs; deduced parameters. JOUR APJSA 159 181
- 2005LA28 NUCLEAR REACTIONS $^2\text{H}(^{14}\text{N}, p)$, E=10.6 MeV / nucleon; measured E_p , E_γ , $\sigma(\theta)$. Comparison with previous results. JOUR JPGPE 31 S1691
- ^{15}O 2005BB05 NUCLEAR REACTIONS $^1\text{H}(^{18}\text{F}, p)$, E(cm) \approx 0.3-1.3 MeV; measured E_p , $\sigma(\theta)$; deduced excitation functions. ^{19}Ne deduced resonance energies, J, π , analog states. $^{18}\text{F}(p, \alpha)$, (p, γ), E=low; calculated astrophysical reaction rates. JOUR ZAANE 25 s01 643
- 2005IM02 NUCLEAR REACTIONS $^{14}\text{N}(p, \gamma)$, E(cm)=119-367 keV; measured E_γ , I_γ , excitation functions; deduced astrophysical S-factors. R-matrix analysis. JOUR ZAANE 25 455
- 2005PR20 NUCLEAR REACTIONS $^{14}\text{N}(p, \gamma)$, E=low; measured E_γ , I_γ ; deduced astrophysical S-factor. Solid and gas targets. JOUR JPGPE 31 S1537
- ^{15}F 2005GU25 NUCLEAR REACTIONS $^1\text{H}(^{14}\text{O}, p)$, E=120 MeV; measured recoil proton spectra, $\sigma(\theta)$. ^{15}F deduced resonance energies, J, π . JOUR PRVCA 72 034312

A=16

- ¹⁶Be 2004TH15 NUCLEAR REACTIONS Be(⁴⁰Ar, X), E=140 MeV / nucleon; measured fragment isotopic yields; deduced no evidence for ¹⁶Be. ¹²C(²⁴F, X), (²⁵F, X), (²⁶F, X)²⁰O / ²¹O / ²²O / ²³O / ²⁴O, E ≈ 50 MeV / nucleon; measured yields; deduced no evidence for ²⁵O. JOUR APHPF 21 379
- ¹⁶C 2005B039 NUCLEAR REACTIONS ^{13,14}C(¹²C, ⁹C), E=231 MeV; measured excitation energy spectra. ^{16,17}C deduced levels, J, π, configurations. JOUR JPGPE 31 S1461
- 20050N04 NUCLEAR REACTIONS ¹H(¹⁶C, ¹⁶C'), E=33 MeV / nucleon; measured E_γ, I_γ, (particle)γ-coinc; deduced σ. ¹⁶C deduced deformation parameter. JOUR ZAANE 25 s01 347
- ¹⁶O 2005G036 ATOMIC MASSES ¹²C, ¹⁶O, ²⁰Ne, ³²S, ^{36,40}Ar; measured masses. Cyclotron-based mass spectrometry. JOUR JPGPE 31 S1869
- 2005SC29 NUCLEAR REACTIONS ⁴He(¹²C, γ), E=0.7-5.0 MeV; measured total recoil spectra, σ. ¹²C(α, γ), E=1.9-4.9 MeV; deduced astrophysical S-factors. JOUR ZAANE 26 301
- 2005SCZT NUCLEAR REACTIONS ⁴He(¹²C, γ), E not given; measured recoil particle spectra. ¹²C(α, γ), E=1.9-4.9 MeV; deduced astrophysical S-factors, resonance features. PREPRINT nucl-ex/0511050,11/29/2005

A=17

- ¹⁷C 2005B039 NUCLEAR REACTIONS ^{13,14}C(¹²C, ⁹C), E=231 MeV; measured excitation energy spectra. ^{16,17}C deduced levels, J, π, configurations. JOUR JPGPE 31 S1461
- ¹⁷O 2005DE54 NUCLEAR REACTIONS ¹⁴N(α, p), E=4893-6047 keV; measured σ(θ=172°). Application to nitrogen depth profiling discussed. JOUR NIMBE 240 803
- ¹⁷F 2005AN24 NUCLEAR REACTIONS ¹⁴N, ¹²C, ¹⁶O(d, n), E not given; measured activation yields in plasma focus device. JOUR ARISE 63 545
- ¹⁷Ne 2005KA51 NUCLEAR REACTIONS Be(¹⁷Ne, ¹⁵O), E=64 MeV / nucleon; measured fragments longitudinal momentum distributions, interaction σ. ¹⁷Ne deduced two-proton halo features. Few-body Glauber model analysis. JOUR ZAANE 25 s01 327
- 2005TA33 NUCLEAR REACTIONS ⁹Be, ¹²C, ²⁷Al(¹⁷Ne, X), E=42, 62 MeV / nucleon; measured interaction and reaction σ. ¹⁷Ne deduced matter density distribution. JOUR ZAANE 25 s01 221

A=18

- ¹⁸O 2005N013 NUCLEAR REACTIONS ²H, ^{3,4}He, ^{6,7}Li, ⁹Be, ^{10,11}B, ¹⁶O, ¹⁹F(polarized p, 2p), E=392 MeV; measured analyzing powers. Comparison with model predictions. JOUR PRVCA 72 041602
- ¹⁸F 2005BB05 NUCLEAR REACTIONS ¹H(¹⁸F, p), E(cm) ≈ 0.3-1.3 MeV; measured E_p, σ(θ); deduced excitation functions. ¹⁹Ne deduced resonance energies, J, π, analog states. ¹⁸F(p, α), (p, γ), E=low; calculated astrophysical reaction rates. JOUR ZAANE 25 s01 643

A=19

- ¹⁹O 2005K043 NUCLEAR REACTIONS U(p, X)¹⁹O / ²⁰O / ²¹O / ²²O, E=1.4GeV; measured yields. JOUR ZAANE 25 s01 729
- ¹⁹Ne 2005BB05 NUCLEAR REACTIONS ¹H(¹⁸F, p), E(cm) ≈ 0.3-1.3 MeV; measured E_p, σ(θ); deduced excitation functions. ¹⁹Ne deduced resonance energies, J, π, analog states. ¹⁸F(p, α), (p, γ), E=low; calculated astrophysical reaction rates. JOUR ZAANE 25 s01 643
- 2005TA28 NUCLEAR REACTIONS ¹⁷O(³He, n), E=3.0 MeV; measured E_γ, I_γ, n_γ-coin, DSA. ¹⁹Ne levels deduced energies, T_{1/2}. Astrophysical implications discussed. Comparison with model predictions. JOUR PRVCA 72 041302

A=20

- ²⁰O 2004TH15 NUCLEAR REACTIONS Be(⁴⁰Ar, X), E=140 MeV / nucleon; measured fragment isotopic yields; deduced no evidence for ¹⁶Be. ¹²C(²⁴F, X), (²⁵F, X), (²⁶F, X)²⁰O / ²¹O / ²²O / ²³O / ²⁴O, E ≈ 50 MeV / nucleon; measured yields; deduced no evidence for ²⁵O. JOUR APHPF 21 379
- 2005K043 NUCLEAR REACTIONS U(p, X)¹⁹O / ²⁰O / ²¹O / ²²O, E=1.4GeV; measured yields. JOUR ZAANE 25 s01 729
- ²⁰Ne 2005BB06 NUCLEAR REACTIONS ¹²C(¹²C, X), E=5.3-7 MeV; measured E_γ, I_γ, thick-target yields. ¹²C(¹²C, p), (¹²C, α), E=5.3-7 MeV; deduced σ. Astrophysical implications discussed. JOUR ZAANE 25 s01 645
- 2005G036 ATOMIC MASSES ¹²C, ¹⁶O, ²⁰Ne, ³²S, ^{36,40}Ar; measured masses. Cyclotron-based mass spectrometry. JOUR JPGPE 31 S1869
- 2005IL03 NUCLEAR REACTIONS ²³Na(p, γ), (p, α), E=130-155 keV; measured E_γ, I_γ; deduced resonance strength upper limits, astrophysical reaction rates. JOUR JPGPE 31 S1785

A=21

- ²¹O 2004TH15 NUCLEAR REACTIONS Be(⁴⁰Ar, X), E=140 MeV / nucleon; measured fragment isotopic yields; deduced no evidence for ¹⁶Be. ¹²C(²⁴F, X), (²⁵F, X), (²⁶F, X)²⁰O / ²¹O / ²²O / ²³O / ²⁴O, E ≈ 50 MeV / nucleon; measured yields; deduced no evidence for ²⁵O. JOUR APHPF 21 379
- 2005K043 NUCLEAR REACTIONS U(p, X)¹⁹O / ²⁰O / ²¹O / ²²O, E=1.4GeV; measured yields. JOUR ZAANE 25 s01 729

A=22

- ²²O 2004TH15 NUCLEAR REACTIONS Be(⁴⁰Ar, X), E=140 MeV / nucleon; measured fragment isotopic yields; deduced no evidence for ¹⁶Be. ¹²C(²⁴F, X), (²⁵F, X), (²⁶F, X)²⁰O / ²¹O / ²²O / ²³O / ²⁴O, E ≈ 50 MeV / nucleon; measured yields; deduced no evidence for ²⁵O. JOUR APHPF 21 379

A=22 (continued)

- 2005K043 NUCLEAR REACTIONS U(p, X)¹⁹O / ²⁰O / ²¹O / ²²O, E=1.4GeV; measured yields. JOUR ZAANE 25 s01 729
- ²²Ne 2005KE08 NUCLEAR REACTIONS ¹⁵⁰Nd(²⁶Ne, X)²²Ne / ²³Na / ²⁸Mg, E=160 MeV; measured E γ , I γ , $\gamma\gamma$ -, (particle) γ -coin. ²²Ne, ²³Na, ²⁸Mg deduced levels, J, π . Euroball IV array, fragment separator. JOUR JPGPE 31 S1903
- 2005KE11 NUCLEAR REACTIONS ¹⁵⁰Nd(²⁶Mg, X), E=160 MeV; measured E γ , I γ , $\gamma\gamma$ -, (particle) γ -coin. ²²Ne, ²³Na deduced levels, J, π . Euroball IV array, binary reaction spectrometer. JOUR ZAANE 25 s01 431

A=23

- ²³O 2004TH15 NUCLEAR REACTIONS Be(⁴⁰Ar, X), E=140 MeV / nucleon; measured fragment isotopic yields; deduced no evidence for ¹⁶Be. ¹²C(²⁴F, X), (²⁵F, X), (²⁶F, X)²⁰O / ²¹O / ²²O / ²³O / ²⁴O, E \approx 50 MeV / nucleon; measured yields; deduced no evidence for ²⁵O. JOUR APHPF 21 379
- 2005C024 NUCLEAR REACTIONS C(²³O, ²²OX), E=938 MeV / nucleon; measured longitudinal momentum distributions, one-neutron removal σ . ²³O deduced ground-state J, π , configuration. JOUR ZAANE 25 s01 343
- ²³F 2005MI32 NUCLEAR REACTIONS ⁴He(²²O, ²³F), E=35 MeV / nucleon; ⁴He(²³F, ²³F'), E=41.5 MeV / nucleon; ⁴He(²⁴F, ²³F), E=36 MeV / nucleon; measured E γ , I γ , (particle) γ -, $\gamma\gamma$ -coin; deduced σ (E). ²³F deduced levels, J, π . DWBA analysis. JOUR ZAANE 25 s01 367
- 2005MIZT NUCLEAR REACTIONS ⁴He(²²O, ²³F), (²³F, ²³F'), (²⁴F, ²³F), (²⁵Ne, ²³F), E \approx 35-43 MeV / nucleon; measured E γ , I γ , (particle) γ -, $\gamma\gamma$ -coin. ⁴He(²²O, ²³F), E=35 MeV / nucleon; measured σ (θ). ²³F deduced levels, J, π , configurations. REPT CNS-REP-67, Michimasa
- 2005SH46 NUCLEAR REACTIONS ⁴He(²²O, ²³F), E=35 MeV / nucleon; measured E γ , I γ , (particle) γ -coin, σ (θ). ²³F deduced levels, J, π . JOUR JPGPE 31 S1759
- ²³Na 2005BB06 NUCLEAR REACTIONS ¹²C(¹²C, X), E=5.3-7 MeV; measured E γ , I γ , thick-target yields. ¹²C(¹²C, p), (¹²C, α), E=5.3-7 MeV; deduced σ . Astrophysical implications discussed. JOUR ZAANE 25 s01 645
- 2005KE08 NUCLEAR REACTIONS ¹⁵⁰Nd(²⁶Ne, X)²²Ne / ²³Na / ²⁸Mg, E=160 MeV; measured E γ , I γ , $\gamma\gamma$ -, (particle) γ -coin. ²²Ne, ²³Na, ²⁸Mg deduced levels, J, π . Euroball IV array, fragment separator. JOUR JPGPE 31 S1903
- 2005KE11 NUCLEAR REACTIONS ¹⁵⁰Nd(²⁶Mg, X), E=160 MeV; measured E γ , I γ , $\gamma\gamma$ -, (particle) γ -coin. ²²Ne, ²³Na deduced levels, J, π . Euroball IV array, binary reaction spectrometer. JOUR ZAANE 25 s01 431
- ²³Al 2005G034 NUCLEAR REACTIONS ²⁰⁸Pb(²³Al, p²²Mg), E=50 MeV / nucleon; measured relative energy spectrum, σ (θ). ²³Al deduced excited state radiative width. Astrophysical implications discussed. JOUR JPGPE 31 S1517

A=24

- ²⁴O 2004TH15 NUCLEAR REACTIONS Be(⁴⁰Ar, X), E=140 MeV / nucleon; measured fragment isotopic yields; deduced no evidence for ¹⁶Be. ¹²C(²⁴F, X), (²⁵F, X), (²⁶F, X)²⁰O / ²¹O / ²²O / ²³O / ²⁴O, E ≈ 50 MeV / nucleon; measured yields; deduced no evidence for ²⁵O. JOUR APHPF 21 379
- ²⁴Mg 2005IL03 NUCLEAR REACTIONS ²³Na(p, γ), (p, α), E=130-155 keV; measured E_γ, I_γ; deduced resonance strength upper limits, astrophysical reaction rates. JOUR JPGPE 31 S1785

A=25

- ²⁵O 2004TH15 NUCLEAR REACTIONS Be(⁴⁰Ar, X), E=140 MeV / nucleon; measured fragment isotopic yields; deduced no evidence for ¹⁶Be. ¹²C(²⁴F, X), (²⁵F, X), (²⁶F, X)²⁰O / ²¹O / ²²O / ²³O / ²⁴O, E ≈ 50 MeV / nucleon; measured yields; deduced no evidence for ²⁵O. JOUR APHPF 21 379
- ²⁵Ne 2005BE60 NUCLEAR REACTIONS ⁹Be, C(³⁶S, X)²⁵Ne / ²⁶Ne / ²⁷Ne / ²⁸Ne, E=77.5 MeV / nucleon; measured E_γ, I_γ, γγ-coin. ^{26,28}Ne deduced levels, J, π. ^{27,29}Ne deduced excited states. Comparison with shell model predictions. JOUR PRVCA 72 054316
- 2005CA44 NUCLEAR REACTIONS ²H(²⁴Ne, p), E=10 MeV / nucleon; measured E_p, E_γ, pγ-coin, σ(θ). ²⁵Ne deduced levels, J, π. JOUR JPGPE 31 S1655
- 2005CA50 NUCLEAR REACTIONS ²H(²⁴Ne, p), E=10 MeV / nucleon; measured E_p, E_γ, pγ-coin, σ(θ). ²⁵Ne deduced levels, J, π. JOUR ZAANE 25 s01 245

A=26

- ²⁶O 2005SC20 NUCLEAR REACTIONS C(²⁷F, X), (²⁹Ne, X), E ≈ 90 MeV / nucleon; measured fragment yields, production σ upper limits; deduced no evidence for ²⁶O, ²⁸F. JOUR PRVCA 72 037601
- ²⁶Ne 2005BE60 NUCLEAR REACTIONS ⁹Be, C(³⁶S, X)²⁵Ne / ²⁶Ne / ²⁷Ne / ²⁸Ne, E=77.5 MeV / nucleon; measured E_γ, I_γ, γγ-coin. ^{26,28}Ne deduced levels, J, π. ^{27,29}Ne deduced excited states. Comparison with shell model predictions. JOUR PRVCA 72 054316
- 2005GAZT ATOMIC MASSES ²⁶Ne, ^{26,27,28,29,30}Na, ^{29,30,31,32,33}Mg; measured masses. Reanalysis of data using new calibration. PREPRINT nucl-ex/0511007,11/2/2005
- ²⁶Na 2005GAZT ATOMIC MASSES ²⁶Ne, ^{26,27,28,29,30}Na, ^{29,30,31,32,33}Mg; measured masses. Reanalysis of data using new calibration. PREPRINT nucl-ex/0511007,11/2/2005
- 2005WI20 RADIOACTIVITY ²⁶Na(β⁻); ¹⁵²Eu(β⁻), (EC); measured E_γ, I_γ, γγ-, βγ-coin. ¹⁵²Sm level deduced T_{1/2}. JOUR JPGPE 31 S1979

A=26 (continued)

- 2005ZEZZ NUCLEAR REACTIONS $^{26}\text{Mg}(^3\text{He}, t)$, $E=140$ MeV / nucleon; $^{26}\text{Mg}(t, ^3\text{He})$, $E=115$ MeV / nucleon; measured excitation energy spectra, $\sigma(\theta)$; deduced Gamow-Teller strengths. PREPRINT nucl-ex/0512025,12/20/2005
- ^{26}Mg 2005BE61 NUCLEAR REACTIONS $^{26}\text{Mg}(^{76}\text{Kr}, ^{76}\text{Kr}')$, $E=230$ MeV; measured E_γ , $I_\gamma(\theta, H, t)$, (particle) γ -coin following projectile Coulomb excitation. ^{76}Kr level deduced g factor. Transient field technique. JOUR ZAANE 25 s01 203
- 2005CH66 NUCLEAR REACTIONS $^{209}\text{Bi}(^{26}\text{Mg}, ^{26}\text{Mg}')$, $E=78.6$ MeV / nucleon; $^{197}\text{Au}(^{32}\text{Mg}, ^{32}\text{Mg}')$, $E=81.1$ MeV / nucleon; $^{209}\text{Bi}(^{34}\text{Mg}, ^{34}\text{Mg}')$, $E=76.4$ MeV / nucleon; measured E_γ , I_γ , (particle) γ -coin following projectile Coulomb excitation. $^{26,32,34}\text{Mg}$ deduced transitions B(E2), deformation parameters. Comparison with previous work, model predictions. JOUR PRVCA 72 054320
- 2005WI20 RADIOACTIVITY $^{26}\text{Na}(\beta^-)$; $^{152}\text{Eu}(\beta^-)$, (EC); measured E_γ , I_γ , $\gamma\gamma$ -, $\beta\gamma$ -coin. ^{152}Sm level deduced $T_{1/2}$. JOUR JPGPE 31 S1979
- ^{26}Al 2005HE24 NUCLEAR REACTIONS $^{14}\text{N}(^{16}\text{O}, \alpha)$, $E(\text{cm})=6.6, 7.9, 9.5$ MeV; measured σ . Accelerator mass spectrometry. JOUR NIMBE 240 612
- 2005ZEZZ NUCLEAR REACTIONS $^{26}\text{Mg}(^3\text{He}, t)$, $E=140$ MeV / nucleon; $^{26}\text{Mg}(t, ^3\text{He})$, $E=115$ MeV / nucleon; measured excitation energy spectra, $\sigma(\theta)$; deduced Gamow-Teller strengths. PREPRINT nucl-ex/0512025,12/20/2005

A=27

- ^{27}Ne 2005BE60 NUCLEAR REACTIONS $^9\text{Be}, \text{C}(^{36}\text{S}, \text{X})^{25}\text{Ne} / ^{26}\text{Ne} / ^{27}\text{Ne} / ^{28}\text{Ne}$, $E=77.5$ MeV / nucleon; measured E_γ , I_γ , $\gamma\gamma$ -coin. $^{26,28}\text{Ne}$ deduced levels, J, π . $^{27,29}\text{Ne}$ deduced excited states. Comparison with shell model predictions. JOUR PRVCA 72 054316
- ^{27}Na 2005GAZT ATOMIC MASSES ^{26}Ne , $^{26,27,28,29,30}\text{Na}$, $^{29,30,31,32,33}\text{Mg}$; measured masses. Reanalysis of data using new calibration. PREPRINT nucl-ex/0511007,11/2/2005
- ^{27}Mg 2005SCZV NUCLEAR REACTIONS $^9\text{Be}(^{26}\text{Mg}, ^{27}\text{Mg})$, $E=57$ MeV; measured E_γ , I_γ , $\alpha\alpha$ -coin, $\sigma(\theta)$. ^{27}Mg deduced transitions. REPT MLL 2004 Annual,P4,Schwerdtfeger

A=28

- ^{28}F 2005SC20 NUCLEAR REACTIONS $\text{C}(^{27}\text{F}, \text{X})$, $(^{29}\text{Ne}, \text{X})$, $E \approx 90$ MeV / nucleon; measured fragment yields, production σ upper limits; deduced no evidence for ^{26}O , ^{28}F . JOUR PRVCA 72 037601
- ^{28}Ne 2005BE60 NUCLEAR REACTIONS $^9\text{Be}, \text{C}(^{36}\text{S}, \text{X})^{25}\text{Ne} / ^{26}\text{Ne} / ^{27}\text{Ne} / ^{28}\text{Ne}$, $E=77.5$ MeV / nucleon; measured E_γ , I_γ , $\gamma\gamma$ -coin. $^{26,28}\text{Ne}$ deduced levels, J, π . $^{27,29}\text{Ne}$ deduced excited states. Comparison with shell model predictions. JOUR PRVCA 72 054316

A=28 (continued)

- ²⁸Na 2005GAZT ATOMIC MASSES ²⁶Ne, ^{26,27,28,29,30}Na, ^{29,30,31,32,33}Mg; measured masses. Reanalysis of data using new calibration. PREPRINT nucl-ex/0511007,11/2/2005
- ²⁸Mg 2005KE08 NUCLEAR REACTIONS ¹⁵⁰Nd(²⁶Ne, X)²²Ne / ²³Na / ²⁸Mg, E=160 MeV; measured E γ , I γ , $\gamma\gamma$ -, (particle) γ -coin. ²²Ne, ²³Na, ²⁸Mg deduced levels, J, π . Euroball IV array, fragment separator. JOUR JPGPE 31 S1903
- ²⁸Si 2004MB08 NUCLEAR REACTIONS ²⁸Si(¹⁶O, ¹⁶O'), E=40-46, 71, 73, 75 MeV; measured E γ , I γ , (particle) γ -coin, $\sigma(\theta)$. Gammasphere, Chico arrays. JOUR BJPHE 34 885

A=29

- ²⁹Ne 2005BE60 NUCLEAR REACTIONS ⁹Be, C(³⁶S, X)²⁵Ne / ²⁶Ne / ²⁷Ne / ²⁸Ne, E=77.5 MeV / nucleon; measured E γ , I γ , $\gamma\gamma$ -coin. ^{26,28}Ne deduced levels, J, π . ^{27,29}Ne deduced excited states. Comparison with shell model predictions. JOUR PRVCA 72 054316
- 2005TR13 RADIOACTIVITY ²⁹Ne(β^-) [from Be(⁴⁸Ca, X)]; measured E γ , E β , $\gamma\gamma$ -, $\beta\gamma$ -coin; deduced log ft. ²⁹Na deduced levels, β -feeding intensities. Comparison with shell model calculations. JOUR ZAANE 25 s01 101
- ²⁹Na 2005GAZT ATOMIC MASSES ²⁶Ne, ^{26,27,28,29,30}Na, ^{29,30,31,32,33}Mg; measured masses. Reanalysis of data using new calibration. PREPRINT nucl-ex/0511007,11/2/2005
- 2005TR13 RADIOACTIVITY ²⁹Ne(β^-) [from Be(⁴⁸Ca, X)]; measured E γ , E β , $\gamma\gamma$ -, $\beta\gamma$ -coin; deduced log ft. ²⁹Na deduced levels, β -feeding intensities. Comparison with shell model calculations. JOUR ZAANE 25 s01 101
- ²⁹Mg 2005GAZT ATOMIC MASSES ²⁶Ne, ^{26,27,28,29,30}Na, ^{29,30,31,32,33}Mg; measured masses. Reanalysis of data using new calibration. PREPRINT nucl-ex/0511007,11/2/2005

A=30

- ³⁰Na 2005GAZT ATOMIC MASSES ²⁶Ne, ^{26,27,28,29,30}Na, ^{29,30,31,32,33}Mg; measured masses. Reanalysis of data using new calibration. PREPRINT nucl-ex/0511007,11/2/2005
- 2005MA96 RADIOACTIVITY ^{30,31,32}Na(β^-); ^{31,32}Na(β^-n); measured E γ , I γ , $\gamma\gamma$ -, $\beta\gamma$ -coin. ^{30,31,32}Mg deduced levels T_{1/2}. Ultra-fast timing techniques. JOUR ZAANE 25 s01 105
- ³⁰Mg 2005GAZT ATOMIC MASSES ²⁶Ne, ^{26,27,28,29,30}Na, ^{29,30,31,32,33}Mg; measured masses. Reanalysis of data using new calibration. PREPRINT nucl-ex/0511007,11/2/2005
- 2005MA96 RADIOACTIVITY ^{30,31,32}Na(β^-); ^{31,32}Na(β^-n); measured E γ , I γ , $\gamma\gamma$ -, $\beta\gamma$ -coin. ^{30,31,32}Mg deduced levels T_{1/2}. Ultra-fast timing techniques. JOUR ZAANE 25 s01 105

A=30 (continued)

- 2005SC27 NUCLEAR REACTIONS Ni(^{30}Mg , $^{30}\text{Mg}'$), E=2.2 MeV / nucleon; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^2H measured E γ , I γ , $\gamma\gamma$ -, (particle) γ -coin. ^{30}Mg deduced transitions B(E2). ^{31}Mg deduced transitions. Miniball array. JOUR ZAANE 25 s01 397
- ^{30}P 2005AD35 NUCLEAR REACTIONS ^6Li (^6Li , αX), (^7Li , αX), E=14-20 MeV; measured α -spectra. ^{12}C (n, α), E=72.8 MeV; ^{28}Si (^6Li , α), E=36 MeV; analyzed α -spectra. Statistical model calculations. Target-projectile symmetry discussed. JOUR ZAANE 25 s01 299
- 2005KA46 RADIOACTIVITY ^{31}Cl ($\beta^+\text{p}$) [from S(p, X), E=40 MeV]; measured β -delayed E γ , Ep. ^{58}Zn (β^+) [from Nb(p, X), E=1.4 GeV]; measured E γ , I γ , $\beta\gamma$ -coin, $T_{1/2}$. ^{58}Cu deduced levels, β -feeding intensities. ^{81m}Kr (EC), (IT); ^{81}Y , ^{81}Sr , ^{85}Nb , ^{85}Zr , ^{86}Mo , ^{86}Nb (EC) [from Ni, ^{54}Fe (^{32}S , X)]; measured E γ , I γ , E(ce), I(ce), $T_{1/2}$. ^{81}Kr , ^{85}Zr , ^{85}Nb deduced isomeric transitions $T_{1/2}$, ICC. ^{85}Zr , ^{86}Nb deduced levels, J, π , ICC. ^{81}Br deduced neutrino capture rate. Mass-separated sources. JOUR ZAANE 25 s01 129

A=31

- ^{31}Na 2005MA96 RADIOACTIVITY $^{30,31,32}\text{Na}$ (β^-); $^{31,32}\text{Na}$ (β^-n); measured E γ , I γ , $\gamma\gamma$ -, $\beta\gamma$ -coin. $^{30,31,32}\text{Mg}$ deduced levels $T_{1/2}$. Ultra-fast timing techniques. JOUR ZAANE 25 s01 105
- ^{31}Mg 2005GAZT ATOMIC MASSES ^{26}Ne , $^{26,27,28,29,30}\text{Na}$, $^{29,30,31,32,33}\text{Mg}$; measured masses. Reanalysis of data using new calibration. PREPRINT nucl-ex/0511007,11/2/2005
- 2005K041 RADIOACTIVITY ^{31}Mg (β^-) [from U(p, X)]; measured β -asymmetry and hfs, β -NMR spectra from polarized source. ^{31}Mg deduced ground-state J, π , μ . JOUR ZAANE 25 s01 193
- 2005MA86 RADIOACTIVITY ^{31}Mg (β^-) [from Be(^{36}S , X)]; measured E γ , I γ , $\beta\gamma$ -coin, $T_{1/2}$; deduced log ft. ^{31}Al deduced levels, feeding intensities. ^{31}Mg deduced ground-state intruder configuration. JOUR PRVCA 72 044314
- 2005MA96 RADIOACTIVITY $^{30,31,32}\text{Na}$ (β^-); $^{31,32}\text{Na}$ (β^-n); measured E γ , I γ , $\gamma\gamma$ -, $\beta\gamma$ -coin. $^{30,31,32}\text{Mg}$ deduced levels $T_{1/2}$. Ultra-fast timing techniques. JOUR ZAANE 25 s01 105
- 2005SC27 NUCLEAR REACTIONS Ni(^{30}Mg , $^{30}\text{Mg}'$), E=2.2 MeV / nucleon; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^2H measured E γ , I γ , $\gamma\gamma$ -, (particle) γ -coin. ^{30}Mg deduced transitions B(E2). ^{31}Mg deduced transitions. Miniball array. JOUR ZAANE 25 s01 397
- ^{31}Al 2005K041 RADIOACTIVITY ^{31}Mg (β^-) [from U(p, X)]; measured β -asymmetry and hfs, β -NMR spectra from polarized source. ^{31}Mg deduced ground-state J, π , μ . JOUR ZAANE 25 s01 193
- 2005MA86 RADIOACTIVITY ^{31}Mg (β^-) [from Be(^{36}S , X)]; measured E γ , I γ , $\beta\gamma$ -coin, $T_{1/2}$; deduced log ft. ^{31}Al deduced levels, feeding intensities. ^{31}Mg deduced ground-state intruder configuration. JOUR PRVCA 72 044314

A=31 (continued)

- ³¹P 2005JE07 NUCLEAR REACTIONS ¹²C(²⁰Ne, p), (²⁰Ne, n), E=32 MeV; measured E γ , I γ , $\gamma\gamma$ -, (recoil) γ -coin. ³¹S, ³¹P deduced high-spin levels, J, π . Gammasphere array, fragment mass analyzer. JOUR PRVCA 72 031303
- ³¹S 2005GA54 NUCLEAR REACTIONS ⁹Be(³²S, ³¹SX), (³³Cl, ³²ClX), (³²Ar, ³¹ArX), (³⁴Ar, ³³ArX), E \approx 65 MeV / nucleon; measured E γ , I γ , (particle) γ -coin, particle momentum distributions; deduced one-neutron removal σ . ³¹S, ³²Cl, ^{31,33}Ar levels deduced spectroscopic factors. Comparison with shell model predictions. JOUR ZAANE 25 s01 251
- 2005JE07 NUCLEAR REACTIONS ¹²C(²⁰Ne, p), (²⁰Ne, n), E=32 MeV; measured E γ , I γ , $\gamma\gamma$ -, (recoil) γ -coin. ³¹S, ³¹P deduced high-spin levels, J, π . Gammasphere array, fragment mass analyzer. JOUR PRVCA 72 031303
- ³¹Cl 2005KA46 RADIOACTIVITY ³¹Cl(β^+ p) [from S(p, X), E=40 MeV]; measured β -delayed E γ , Ep. ⁵⁸Zn(β^+) [from Nb(p, X), E=1.4 GeV]; measured E γ , I γ , $\beta\gamma$ -coin, T_{1/2}. ⁵⁸Cu deduced levels, β -feeding intensities. ^{81m}Kr(EC), (IT); ⁸¹Y, ⁸¹Sr, ⁸⁵Nb, ⁸⁵Zr, ⁸⁶Mo, ⁸⁶Nb(EC) [from Ni, ⁵⁴Fe(³²S, X)]; measured E γ , I γ , E(ce), I(ce), T_{1/2}. ⁸¹Kr, ⁸⁵Zr, ⁸⁵Nb deduced isomeric transitions T_{1/2}, ICC. ⁸⁵Zr, ⁸⁶Nb deduced levels, J, π , ICC. ⁸¹Br deduced neutrino capture rate. Mass-separated sources. JOUR ZAANE 25 s01 129
- ³¹Ar 2005GA54 NUCLEAR REACTIONS ⁹Be(³²S, ³¹SX), (³³Cl, ³²ClX), (³²Ar, ³¹ArX), (³⁴Ar, ³³ArX), E \approx 65 MeV / nucleon; measured E γ , I γ , (particle) γ -coin, particle momentum distributions; deduced one-neutron removal σ . ³¹S, ³²Cl, ^{31,33}Ar levels deduced spectroscopic factors. Comparison with shell model predictions. JOUR ZAANE 25 s01 251

A=32

- ³²Na 2005MA81 RADIOACTIVITY ³²Na, ⁸⁰Ga(β^-); measured E γ , I γ , $\gamma\gamma$ -, $\beta\gamma$ -coin. ³²Mg, ⁸⁰Ge levels deduced T_{1/2}. Ultra-fast timing techniques. JOUR JPGPE 31 S1421
- 2005MA96 RADIOACTIVITY ^{30,31,32}Na(β^-); ^{31,32}Na(β^- n); measured E γ , I γ , $\gamma\gamma$ -, $\beta\gamma$ -coin. ^{30,31,32}Mg deduced levels T_{1/2}. Ultra-fast timing techniques. JOUR ZAANE 25 s01 105
- ³²Mg 2004C029 RADIOACTIVITY ⁷⁴Kr(EC), (β^+) [from Nb(p, X)]; measured $\beta\gamma$ -coin; deduced Gamow-Teller strength distribution. ³³Na(β^-), (β^- n) [from U(p, X)]; measured $\beta\gamma$ -, n β -, $\gamma\gamma$ -coin, T_{1/2}. ³³Mg deduced ground-state J, π . Total absorption spectrometer. JOUR BJPHE 34 850
- 2005CH66 NUCLEAR REACTIONS ²⁰⁹Bi(²⁶Mg, ²⁶Mg'), E=78.6 MeV / nucleon; ¹⁹⁷Au(³²Mg, ³²Mg'), E=81.1 MeV / nucleon; ²⁰⁹Bi(³⁴Mg, ³⁴Mg'), E=76.4 MeV / nucleon; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{26,32,34}Mg deduced transitions B(E2), deformation parameters. Comparison with previous work, model predictions. JOUR PRVCA 72 054320

A=32 (continued)

- 2005GAZT ATOMIC MASSES ^{26}Ne , $^{26,27,28,29,30}\text{Na}$, $^{29,30,31,32,33}\text{Mg}$; measured masses. Reanalysis of data using new calibration. PREPRINT nucl-ex/0511007,11/2/2005
- 2005MA81 RADIOACTIVITY ^{32}Na , $^{80}\text{Ga}(\beta^-)$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, $\beta\gamma$ -coin. ^{32}Mg , ^{80}Ge levels deduced $T_{1/2}$. Ultra-fast timing techniques. JOUR JPGPE 31 S1421
- 2005MA96 RADIOACTIVITY $^{30,31,32}\text{Na}(\beta^-)$; $^{31,32}\text{Na}(\beta^-n)$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, $\beta\gamma$ -coin. $^{30,31,32}\text{Mg}$ deduced levels $T_{1/2}$. Ultra-fast timing techniques. JOUR ZAANE 25 s01 105
- ^{32}S 2005G036 ATOMIC MASSES ^{12}C , ^{16}O , ^{20}Ne , ^{32}S , $^{36,40}\text{Ar}$; measured masses. Cyclotron-based mass spectrometry. JOUR JPGPE 31 S1869
- ^{32}Cl 2005GA54 NUCLEAR REACTIONS $^9\text{Be}(\text{}^{32}\text{S}, \text{}^{31}\text{SX})$, $(\text{}^{33}\text{Cl}, \text{}^{32}\text{ClX})$, $(\text{}^{32}\text{Ar}, \text{}^{31}\text{ArX})$, $(\text{}^{34}\text{Ar}, \text{}^{33}\text{ArX})$, $E \approx 65$ MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -coin, particle momentum distributions; deduced one-neutron removal σ . ^{31}S , ^{32}Cl , $^{31,33}\text{Ar}$ levels deduced spectroscopic factors. Comparison with shell model predictions. JOUR ZAANE 25 s01 251

A=33

- ^{33}Na 2004C029 RADIOACTIVITY $^{74}\text{Kr}(\text{EC})$, (β^+) [from $\text{Nb}(\text{p}, \text{X})$]; measured $\beta\gamma$ -coin; deduced Gamow-Teller strength distribution. $^{33}\text{Na}(\beta^-)$, (β^-n) [from $\text{U}(\text{p}, \text{X})$]; measured $\beta\gamma$ -, $n\beta$ -, $\gamma\gamma$ -coin, $T_{1/2}$. ^{33}Mg deduced ground-state J , π . Total absorption spectrometer. JOUR BJPHE 34 850
- ^{33}Mg 2004C029 RADIOACTIVITY $^{74}\text{Kr}(\text{EC})$, (β^+) [from $\text{Nb}(\text{p}, \text{X})$]; measured $\beta\gamma$ -coin; deduced Gamow-Teller strength distribution. $^{33}\text{Na}(\beta^-)$, (β^-n) [from $\text{U}(\text{p}, \text{X})$]; measured $\beta\gamma$ -, $n\beta$ -, $\gamma\gamma$ -coin, $T_{1/2}$. ^{33}Mg deduced ground-state J , π . Total absorption spectrometer. JOUR BJPHE 34 850
- 2005GAZT ATOMIC MASSES ^{26}Ne , $^{26,27,28,29,30}\text{Na}$, $^{29,30,31,32,33}\text{Mg}$; measured masses. Reanalysis of data using new calibration. PREPRINT nucl-ex/0511007,11/2/2005
- ^{33}Ar 2005GA54 NUCLEAR REACTIONS $^9\text{Be}(\text{}^{32}\text{S}, \text{}^{31}\text{SX})$, $(\text{}^{33}\text{Cl}, \text{}^{32}\text{ClX})$, $(\text{}^{32}\text{Ar}, \text{}^{31}\text{ArX})$, $(\text{}^{34}\text{Ar}, \text{}^{33}\text{ArX})$, $E \approx 65$ MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -coin, particle momentum distributions; deduced one-neutron removal σ . ^{31}S , ^{32}Cl , $^{31,33}\text{Ar}$ levels deduced spectroscopic factors. Comparison with shell model predictions. JOUR ZAANE 25 s01 251

A=34

- ^{34}Mg 2005CH66 NUCLEAR REACTIONS $^{209}\text{Bi}(\text{}^{26}\text{Mg}, \text{}^{26}\text{Mg}')$, $E=78.6$ MeV / nucleon; $^{197}\text{Au}(\text{}^{32}\text{Mg}, \text{}^{32}\text{Mg}')$, $E=81.1$ MeV / nucleon; $^{209}\text{Bi}(\text{}^{34}\text{Mg}, \text{}^{34}\text{Mg}')$, $E=76.4$ MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. $^{26,32,34}\text{Mg}$ deduced transitions $B(E2)$, deformation parameters. Comparison with previous work, model predictions. JOUR PRVCA 72 054320

A=34 (continued)

- ³⁴Al 20050B04 NUCLEAR REACTIONS ²⁵¹Cf(n, F), E=thermal; measured light charged particle yields, energy distributions following ternary fission; deduced evidence for ³⁴Al, ³⁶Si. JOUR NUPAB 761 173
- ³⁴Si 2005TI11 RADIOACTIVITY ³⁵Al(β^-), (β^- n) [from ³⁶S fragmentation]; measured β -delayed E γ , En, T_{1/2}, neutron emission probability; deduced log ft. ^{34,35}Si deduced levels, J, π , feeding intensities. JOUR JPGPE 31 S1965
- ³⁴P 20050L04 NUCLEAR REACTIONS ¹⁷⁶Yb(³⁶S, X)³⁴P, E=230 MeV; ²⁰⁸Pb(³⁶S, X)³⁶S / ³⁸S / ³⁴P / ³⁶P, E=215 MeV; measured E γ , I γ , $\gamma\gamma^-$, (particle) γ -coin. ³⁴P deduced levels, J, π , configurations. JOUR JPGPE 31 S1935

A=35

- ³⁵Al 2005TI11 RADIOACTIVITY ³⁵Al(β^-), (β^- n) [from ³⁶S fragmentation]; measured β -delayed E γ , En, T_{1/2}, neutron emission probability; deduced log ft. ^{34,35}Si deduced levels, J, π , feeding intensities. JOUR JPGPE 31 S1965
- ³⁵Si 2005TI11 RADIOACTIVITY ³⁵Al(β^-), (β^- n) [from ³⁶S fragmentation]; measured β -delayed E γ , En, T_{1/2}, neutron emission probability; deduced log ft. ^{34,35}Si deduced levels, J, π , feeding intensities. JOUR JPGPE 31 S1965
- ³⁵Cl 2005EK01 NUCLEAR REACTIONS ¹⁶O(²⁴Mg, n α), (²⁴Mg, p α), E=60 MeV; ²⁸Si(³²S, n2 α), (³²S, p2 α), E=130 MeV; ²⁴Mg(⁴⁰Ca, 2np), (⁴⁰Ca, n2p), E=104 MeV; measured E γ , I γ , $\gamma\gamma^-$, (charged particle) γ^- , (neutron) γ -coin. ³⁵Ar, ³⁵Cl, ⁵¹Fe, ⁵¹Mn, ⁶¹Ga, ⁶¹Zn deduced levels, J, π , mirror energy difference. Discussed electromagnetic spin-orbit effect. Large-scale shell model calculations. JOUR ZAANE 25 s01 363
- ³⁵Ar 2005EK01 NUCLEAR REACTIONS ¹⁶O(²⁴Mg, n α), (²⁴Mg, p α), E=60 MeV; ²⁸Si(³²S, n2 α), (³²S, p2 α), E=130 MeV; ²⁴Mg(⁴⁰Ca, 2np), (⁴⁰Ca, n2p), E=104 MeV; measured E γ , I γ , $\gamma\gamma^-$, (charged particle) γ^- , (neutron) γ -coin. ³⁵Ar, ³⁵Cl, ⁵¹Fe, ⁵¹Mn, ⁶¹Ga, ⁶¹Zn deduced levels, J, π , mirror energy difference. Discussed electromagnetic spin-orbit effect. Large-scale shell model calculations. JOUR ZAANE 25 s01 363

A=36

- ³⁶Si 20050B04 NUCLEAR REACTIONS ²⁵¹Cf(n, F), E=thermal; measured light charged particle yields, energy distributions following ternary fission; deduced evidence for ³⁴Al, ³⁶Si. JOUR NUPAB 761 173
- ³⁶P 20050L04 NUCLEAR REACTIONS ¹⁷⁶Yb(³⁶S, X)³⁴P, E=230 MeV; ²⁰⁸Pb(³⁶S, X)³⁶S / ³⁸S / ³⁴P / ³⁶P, E=215 MeV; measured E γ , I γ , $\gamma\gamma^-$, (particle) γ -coin. ³⁴P deduced levels, J, π , configurations. JOUR JPGPE 31 S1935

A=36 (continued)

- ³⁶S 20050L04 NUCLEAR REACTIONS ¹⁷⁶Yb(³⁶S, X)³⁴P, E=230 MeV; ²⁰⁸Pb(³⁶S, X)³⁶S / ³⁸S / ³⁴P / ³⁶P, E=215 MeV; measured E γ , I γ , $\gamma\gamma$ -, (particle) γ -coin. ³⁴P deduced levels, J, π , configurations. JOUR JPGPE 31 S1935
- ³⁶Ar 2005G036 ATOMIC MASSES ¹²C, ¹⁶O, ²⁰Ne, ³²S, ^{36,40}Ar; measured masses. Cyclotron-based mass spectrometry. JOUR JPGPE 31 S1869
- 2005SPZY NUCLEAR REACTIONS ¹²C(³²S, ³⁶Ar), E=65 MeV; ¹²C(³⁴S, ³⁸Ar), E=67 MeV; measured E γ , I γ (θ , H, t), $\alpha\gamma$ -coin. ^{36,38}Ar levels deduced g factors. Transient field technique. Comparison with shell model predictions. REPT MLL 2004 Annual,P5,Speidel

A=37

No references found

A=38

- ³⁸S 20050L04 NUCLEAR REACTIONS ¹⁷⁶Yb(³⁸S, X)³⁴P, E=230 MeV; ²⁰⁸Pb(³⁸S, X)³⁸S / ³⁸S / ³⁴P / ³⁶P, E=215 MeV; measured E γ , I γ , $\gamma\gamma$ -, (particle) γ -coin. ³⁴P deduced levels, J, π , configurations. JOUR JPGPE 31 S1935
- ³⁸Ar 2005SPZY NUCLEAR REACTIONS ¹²C(³²S, ³⁶Ar), E=65 MeV; ¹²C(³⁴S, ³⁸Ar), E=67 MeV; measured E γ , I γ (θ , H, t), $\alpha\gamma$ -coin. ^{36,38}Ar levels deduced g factors. Transient field technique. Comparison with shell model predictions. REPT MLL 2004 Annual,P5,Speidel

A=39

No references found

A=40

- ⁴⁰Ar 2005G036 ATOMIC MASSES ¹²C, ¹⁶O, ²⁰Ne, ³²S, ^{36,40}Ar; measured masses. Cyclotron-based mass spectrometry. JOUR JPGPE 31 S1869

A=41

- ⁴¹K 2005GUZX NUCLEAR REACTIONS ⁴⁴Ca(polarized p, α), E=24.6 MeV; measured $\sigma(\theta)$, Ay(θ). DWBA analysis. REPT MLL 2004 Annual,P6,Guazzoni

A=42

- ⁴²Ca 2005C025 NUCLEAR REACTIONS ²⁰⁸Pb(⁴⁰Ca, ⁴²Ca), E=225 MeV; measured $\sigma(E, \theta)$. ⁴²Ca deduced excited states configurations. ²⁰⁸Pb(⁹⁰Zr, X), E=560 MeV; measured E γ , I γ , (fragment) γ -coin, isotopic yields for projectile-like fragments. ⁹⁰Zr deduced transitions. JOUR ZAANE 25 s01 427
- 2005GUZW NUCLEAR REACTIONS ⁴⁵Sc(polarized p, α), E=24.6 MeV; measured $\sigma(\theta)$, Ay(θ). ⁴²Ca levels deduced configurations. REPT MLL 2004 Annual,P7,Guazzoni

A=43

- ⁴³Cr 2005BL31 RADIOACTIVITY ⁴⁵Fe, ⁴⁸Ni, ⁵⁴Zn(2p) [from Ni(⁵⁸Ni, X)]; measured proton spectra, T_{1/2}. Comparison with theory. JOUR ZAANE 25 s01 169
- 2005D020 RADIOACTIVITY ⁴⁵Fe(2p) [from Ni(⁵⁸Ni, X)]; measured Ep, T_{1/2}, branching ratio. ⁴⁸Ni; measured decay energy, T_{1/2}; deduced probable two-proton decay. Comparisons with model predictions. JOUR PRVCA 72 054315
- 2005GI15 RADIOACTIVITY ⁴⁵Fe, ⁵⁴Zn(p), (2p) [from Ni(⁵⁸Ni, X)]; measured proton spectra, T_{1/2}. JOUR JPGPE 31 S1509

A=44

- ⁴⁴S 2005GR30 RADIOACTIVITY ⁴⁴S(IT) [from Be(⁴⁸Ca, X)]; measured E(ce), T_{1/2}. ⁴⁴S deduced levels, J, π . Comparison with shell model calculations. JOUR ZAANE 25 s01 111
- ⁴⁴Mn 2005GI15 RADIOACTIVITY ⁴⁵Fe, ⁵⁴Zn(p), (2p) [from Ni(⁵⁸Ni, X)]; measured proton spectra, T_{1/2}. JOUR JPGPE 31 S1509

A=45

- ⁴⁵Ar 2005GA45 NUCLEAR REACTIONS ²H(⁴⁴Ar, ⁴⁵Ar), (⁴⁰Ar, ⁴¹Ar), E=10 MeV / nucleon; measured particle spectra, $\sigma(E, \theta)$. ⁴⁵Ar deduced levels, spectroscopic factors. JOUR JPGPE 31 S1623
- ⁴⁵Fe 2005BL31 RADIOACTIVITY ⁴⁵Fe, ⁴⁸Ni, ⁵⁴Zn(2p) [from Ni(⁵⁸Ni, X)]; measured proton spectra, T_{1/2}. Comparison with theory. JOUR ZAANE 25 s01 169
- 2005D020 NUCLEAR REACTIONS Ni(⁵⁸Ni, X), E=74.5 MeV / nucleon; measured fragments isotopic yields; deduced evidence for ⁴⁸Ni, ⁴⁵Fe. JOUR PRVCA 72 054315
- 2005D020 RADIOACTIVITY ⁴⁵Fe(2p) [from Ni(⁵⁸Ni, X)]; measured Ep, T_{1/2}, branching ratio. ⁴⁸Ni; measured decay energy, T_{1/2}; deduced probable two-proton decay. Comparisons with model predictions. JOUR PRVCA 72 054315
- 2005GI15 RADIOACTIVITY ⁴⁵Fe, ⁵⁴Zn(p), (2p) [from Ni(⁵⁸Ni, X)]; measured proton spectra, T_{1/2}. JOUR JPGPE 31 S1509

A=46

- ⁴⁶Cr 2005YA26 NUCLEAR REACTIONS Pb(⁴⁶Cr, ⁴⁶Cr'), (⁵⁰Fe, ⁵⁰Fe'), (⁵⁴Ni, ⁵⁴Ni'), E=41-44 MeV / nucleon; measured $\sigma(\theta)$, E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ⁴⁶Cr, ⁵⁰Fe, ⁵⁴Ni deduced excitation B(E2). DWBA analysis. JOUR ZAANE 25 s01 409
- ⁴⁶Fe 2005BL31 RADIOACTIVITY ⁴⁵Fe, ⁴⁸Ni, ⁵⁴Zn(2p) [from Ni(⁵⁸Ni, X)]; measured proton spectra, T_{1/2}. Comparison with theory. JOUR ZAANE 25 s01 169

A=47

No references found

A=48

- ⁴⁸Ti 2005VA31 NUCLEAR REACTIONS ⁴⁸Ti(¹³²Sn, ¹³²Sn'), E=470-495 MeV; ⁹⁰Zr(¹³⁴Sn, ¹³⁴Sn'), E=400 MeV; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{132,134}Sn deduced transitions B(E2). JOUR ZAANE 25 s01 391
- ⁴⁸Ni 2005BL31 RADIOACTIVITY ⁴⁵Fe, ⁴⁸Ni, ⁵⁴Zn(2p) [from Ni(⁵⁸Ni, X)]; measured proton spectra, T_{1/2}. Comparison with theory. JOUR ZAANE 25 s01 169
- 2005D020 NUCLEAR REACTIONS Ni(⁵⁸Ni, X), E=74.5 MeV / nucleon; measured fragments isotopic yields; deduced evidence for ⁴⁸Ni, ⁴⁵Fe. JOUR PRVCA 72 054315
- 2005D020 RADIOACTIVITY ⁴⁵Fe(2p) [from Ni(⁵⁸Ni, X)]; measured E_p, T_{1/2}, branching ratio. ⁴⁸Ni; measured decay energy, T_{1/2}; deduced probable two-proton decay. Comparisons with model predictions. JOUR PRVCA 72 054315
- 2005GI15 NUCLEAR REACTIONS Ni(⁵⁸Ni, X), E=75 MeV / nucleon; measured fragments isotopic yields; deduced evidence for ⁴⁸Ni. JOUR JPGPE 31 S1509

A=49

- ⁴⁹Ca 2005MAZM NUCLEAR REACTIONS ²H(⁴⁸Ca, ⁴⁹Ca), E=105 MeV; measured E γ , I γ , (particle) γ -coin. ⁴⁸Ca(polarized d, p), E=14 MeV; measured proton spectra, $\sigma(\theta)$. ⁴⁹Ca deduced levels, J, π . REPT MLL 2004 Annual,P8,Maierbeck
- ⁴⁹Ti 2005ID03 NUCLEAR REACTIONS ⁹Be(⁴⁶Ar, 3n), (⁴⁶Ar, 4n), (⁴⁶Ar, 5n), (⁴⁶Ar, 6n), E \approx 2-6 MeV / nucleon; measured E γ , I γ , (particle) γ -coin; deduced excitation functions. ^{49,50,51}Ti deduced high-spin levels, J, π . JOUR ZAANE 25 s01 429

A=50

- ⁵⁰Ti 2005ID03 NUCLEAR REACTIONS ⁹Be(⁴⁶Ar, 3n), (⁴⁶Ar, 4n), (⁴⁶Ar, 5n), (⁴⁶Ar, 6n), E ≈ 2-6 MeV / nucleon; measured E γ , I γ , (particle) γ -coin; deduced excitation functions. ^{49,50,51}Ti deduced high-spin levels, J, π . JOUR ZAANE 25 s01 429
- 2005YU07 NUCLEAR REACTIONS ⁵⁰Ti(¹²⁹Sb, ¹²⁹Sb'), (¹²⁹Te, ¹²⁹Te'), E=400 MeV; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ¹²⁹Te, ¹²⁹Sb deduced transitions B(E2). Clarion, Hyball arrays. JOUR ZAANE 25 s01 395
- ⁵⁰V 2005SUZU NUCLEAR REACTIONS ⁵¹V(³He, ³He'), (³He, α), E=30 MeV; measured E γ , I γ , (particle) γ -coin. ^{50,51}V deduced level densities, radiative strength functions, microcanonical entropies. PREPRINT nucl-ex/0511054,11/30/2005
- ⁵⁰Mn 2005FU16 NUCLEAR REACTIONS ⁵⁰Cr(³He, t), E=140 MeV / nucleon; measured triton spectra; deduced Gamow-Teller transition strengths. ⁵⁰Mn deduced level energies. ⁵⁰Fe deduced β -decay intensities. Astrophysical implications discussed. JOUR PRLTA 95 212501
- ⁵⁰Fe 2005FU16 NUCLEAR REACTIONS ⁵⁰Cr(³He, t), E=140 MeV / nucleon; measured triton spectra; deduced Gamow-Teller transition strengths. ⁵⁰Mn deduced level energies. ⁵⁰Fe deduced β -decay intensities. Astrophysical implications discussed. JOUR PRLTA 95 212501
- 2005YA26 NUCLEAR REACTIONS Pb(⁴⁶Cr, ⁴⁶Cr'), (⁵⁰Fe, ⁵⁰Fe'), (⁵⁴Ni, ⁵⁴Ni'), E=41-44 MeV / nucleon; measured $\sigma(\theta)$, E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ⁴⁶Cr, ⁵⁰Fe, ⁵⁴Ni deduced excitation B(E2). DWBA analysis. JOUR ZAANE 25 s01 409

A=51

- ⁵¹Ti 2005ID03 NUCLEAR REACTIONS ⁹Be(⁴⁶Ar, 3n), (⁴⁶Ar, 4n), (⁴⁶Ar, 5n), (⁴⁶Ar, 6n), E ≈ 2-6 MeV / nucleon; measured E γ , I γ , (particle) γ -coin; deduced excitation functions. ^{49,50,51}Ti deduced high-spin levels, J, π . JOUR ZAANE 25 s01 429
- ⁵¹V 2005SUZU NUCLEAR REACTIONS ⁵¹V(³He, ³He'), (³He, α), E=30 MeV; measured E γ , I γ , (particle) γ -coin. ^{50,51}V deduced level densities, radiative strength functions, microcanonical entropies. PREPRINT nucl-ex/0511054,11/30/2005
- ⁵¹Mn 2005EK01 NUCLEAR REACTIONS ¹⁶O(²⁴Mg, n α), (²⁴Mg, p α), E=60 MeV; ²⁸Si(³²S, n2 α), (³²S, p2 α), E=130 MeV; ²⁴Mg(⁴⁰Ca, 2np), (⁴⁰Ca, n2p), E=104 MeV; measured E γ , I γ , $\gamma\gamma$ -, (charged particle) γ -, (neutron) γ -coin. ³⁵Ar, ³⁵Cl, ⁵¹Fe, ⁵¹Mn, ⁶¹Ga, ⁶¹Zn deduced levels, J, π , mirror energy difference. Discussed electromagnetic spin-orbit effect. Large-scale shell model calculations. JOUR ZAANE 25 s01 363
- 2005MA81 NUCLEAR REACTIONS ⁴⁰Ca(¹⁴N, n2p), E not given; measured E γ , I γ , $\gamma\gamma$ -coin. ⁵¹Mn levels deduced T_{1/2}. Ultra-fast timing techniques. JOUR JPGPE 31 S1421

A=51 (continued)

- ⁵¹Fe 2005EK01 NUCLEAR REACTIONS ¹⁶O(²⁴Mg, n α), (²⁴Mg, p α), E=60 MeV; ²⁸Si(³²S, n2 α), (³²S, p2 α), E=130 MeV; ²⁴Mg(⁴⁰Ca, 2np), (⁴⁰Ca, n2p), E=104 MeV; measured E γ , I γ , $\gamma\gamma$ -, (charged particle) γ -, (neutron) γ -coin. ³⁵Ar, ³⁵Cl, ⁵¹Fe, ⁵¹Mn, ⁶¹Ga, ⁶¹Zn deduced levels, J, π , mirror energy difference. Discussed electromagnetic spin-orbit effect. Large-scale shell model calculations. JOUR ZAANE 25 s01 363

A=52

- ⁵²Ti 2005ID03 NUCLEAR REACTIONS ⁹Be(⁴⁶Ar, 3n), (⁴⁶Ar, 4n), (⁴⁶Ar, 5n), (⁴⁶Ar, 6n), E \approx 2-6 MeV / nucleon; measured E γ , I γ , (particle) γ -coin; deduced excitation functions. ^{49,50,51}Ti deduced high-spin levels, J, π . JOUR ZAANE 25 s01 429
- ⁵²Ni 2005BL31 RADIOACTIVITY ⁴⁵Fe, ⁴⁸Ni, ⁵⁴Zn(2p) [from Ni(⁵⁸Ni, X)]; measured proton spectra, T_{1/2}. Comparison with theory. JOUR ZAANE 25 s01 169
- 2005GI15 RADIOACTIVITY ⁴⁵Fe, ⁵⁴Zn(p), (2p) [from Ni(⁵⁸Ni, X)]; measured proton spectra, T_{1/2}. JOUR JPGPE 31 S1509

A=53

- ⁵³Ti 2005F014 NUCLEAR REACTIONS ²⁰⁸Pb(⁴⁸Ca, X), E=305 MeV; ²³⁸U(⁴⁸Ca, X), E=330 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ⁵³Ti deduced levels, J, π . Gammasphere array, cross-coincidence with reaction partners. Comparison with model predictions. JOUR PRVCA 72 044315
- ⁵³Cu 2005GI15 RADIOACTIVITY ⁴⁵Fe, ⁵⁴Zn(p), (2p) [from Ni(⁵⁸Ni, X)]; measured proton spectra, T_{1/2}. JOUR JPGPE 31 S1509

A=54

- ⁵⁴Cr 2006B001 RADIOACTIVITY ⁵⁴Mn, ⁶⁵Zn(EC); measured $\beta\gamma$ -coin. Triple to double coincidence ratio method. JOUR ARISE 64 124
- ⁵⁴Mn 2005SI32 NUCLEAR REACTIONS Cu(n, X)⁵⁴Mn / ⁵⁹Fe / ⁵⁶Co / ⁵⁷Co / ⁵⁸Co / ⁶⁰Co, E \approx 70.7, 110.8 MeV; measured σ . Comparison with previous results, model predictions. JOUR NIMBE 240 617
- 2006B001 RADIOACTIVITY ⁵⁴Mn, ⁶⁵Zn(EC); measured $\beta\gamma$ -coin. Triple to double coincidence ratio method. JOUR ARISE 64 124
- ⁵⁴Fe 2005TA27 NUCLEAR REACTIONS ⁹Be(⁵⁵Ni, X), (⁵⁵Co, X), E \approx 170 MeV / nucleon; measured E γ , I γ , (fragment) γ -coin. ⁵⁴Ni, ⁵⁴Fe deduced transitions. JOUR JPGPE 31 S1527
- ⁵⁴Ni 2005TA27 NUCLEAR REACTIONS ⁹Be(⁵⁵Ni, X), (⁵⁵Co, X), E \approx 170 MeV / nucleon; measured E γ , I γ , (fragment) γ -coin. ⁵⁴Ni, ⁵⁴Fe deduced transitions. JOUR JPGPE 31 S1527

A=54 (continued)

- 2005YA26 NUCLEAR REACTIONS Pb(^{46}Cr , $^{46}\text{Cr}'$), (^{50}Fe , $^{50}\text{Fe}'$), (^{54}Ni , $^{54}\text{Ni}'$), E=41-44 MeV / nucleon; measured $\sigma(\theta)$, $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. ^{46}Cr , ^{50}Fe , ^{54}Ni deduced excitation B(E2). DWBA analysis. JOUR ZAANE 25 s01 409
- ^{54}Zn 2005BL31 RADIOACTIVITY ^{45}Fe , ^{48}Ni , $^{54}\text{Zn}(2p)$ [from Ni(^{58}Ni , X)]; measured proton spectra, $T_{1/2}$. Comparison with theory. JOUR ZAANE 25 s01 169
- 2005GI15 RADIOACTIVITY ^{45}Fe , $^{54}\text{Zn}(p)$, $(2p)$ [from Ni(^{58}Ni , X)]; measured proton spectra, $T_{1/2}$. JOUR JPGPE 31 S1509

A=55

- ^{55}Fe 2005MAZL NUCLEAR REACTIONS ^{58}Ni (polarized p, d), E=24.6 MeV; measured $\sigma(\theta)$, $A_y(\theta)$. $^2\text{H}(^{54}\text{Fe}$, p), E=4.8 MeV / nucleon; measured $\sigma(\theta)$. Other reactions discussed. REPT MLL 2004 Annual,P9,Mahgoub

A=56

- ^{56}Sc 2005MA93 RADIOACTIVITY $^{56}\text{Sc}(\beta^-)$ [from Be(^{78}Kr , X)]; measured $E\gamma$, $I\gamma$, $\beta\gamma$ -coin. ^{56}Ti deduced levels. Mass-separated source. JOUR NIMBE 241 195
- ^{56}Ti 2005MA93 RADIOACTIVITY $^{56}\text{Sc}(\beta^-)$ [from Be(^{78}Kr , X)]; measured $E\gamma$, $I\gamma$, $\beta\gamma$ -coin. ^{56}Ti deduced levels. Mass-separated source. JOUR NIMBE 241 195
- ^{56}Cr 2005GU27 ATOMIC MASSES $^{56,57}\text{Cr}$; measured masses. Penning trap mass spectrometer. JOUR JPGPE 31 S1765
- ^{56}Mn 2004AG09 NUCLEAR REACTIONS $^{103}\text{Rh}(n, n')^{103m}\text{Rh}$, E \approx 4.8 MeV; $^{115}\text{In}(n, n')^{115m}\text{In}$, E \approx 5 MeV; ^{232}Th , $^{238}\text{U}(n, F)$, E \approx 5 MeV; ^{24}Mg , ^{27}Al , $^{46,47,48}\text{Ti}$, $^{54,56}\text{Fe}$, ^{58}Ni , $^{64}\text{Zn}(n, p)$, E \approx 2-8 MeV; ^{27}Al , $^{59}\text{Co}(n, \alpha)$, E \approx 8.3 MeV; measured activation σ . Spectrum average technique, comparison with previous results. JOUR RAACA 92 63
- 2005GU37 ATOMIC MASSES $^{56,57}\text{Mn}$, ^{82m}Rb , ^{92}Sr , $^{124,127}\text{Cs}$, ^{130}Ba ; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 35
- ^{56}Co 2005SI32 NUCLEAR REACTIONS Cu(n, X) ^{54}Mn / ^{59}Fe / ^{56}Co / ^{57}Co / ^{58}Co / ^{60}Co , E \approx 70.7, 110.8 MeV; measured σ . Comparison with previous results, model predictions. JOUR NIMBE 240 617

A=57

- ^{57}Ti 2005LI53 RADIOACTIVITY ^{57}Ti , ^{59}V , $^{59}\text{Cr}(\beta^-)$ [from Be(^{86}Kr , X)]; measured β -delayed $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, $T_{1/2}$; deduced log ft. ^{57}V , ^{59}Cr , ^{59}Mn deduced levels, β -feeding intensities, deformation. Comparison with shell-model predictions. JOUR PRVCA 72 054321

A=57 (continued)

- ⁵⁷V 2005LI53 RADIOACTIVITY ⁵⁷Ti, ⁵⁹V, ⁵⁹Cr(β^-) [from Be(⁸⁶Kr, X)]; measured β -delayed E γ , I γ , $\gamma\gamma$ -coin, T_{1/2}; deduced log ft. ⁵⁷V, ⁵⁹Cr, ⁵⁹Mn deduced levels, β -feeding intensities, deformation. Comparison with shell-model predictions. JOUR PRVCA 72 054321
- ⁵⁷Cr 2005GU27 ATOMIC MASSES ^{56,57}Cr; measured masses. Penning trap mass spectrometer. JOUR JPGPE 31 S1765
- ⁵⁷Mn 2005GU37 ATOMIC MASSES ^{56,57}Mn, ^{82m}Rb, ⁹²Sr, ^{124,127}Cs, ¹³⁰Ba; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 35
- ⁵⁷Co 2005SI32 NUCLEAR REACTIONS Cu(n, X)⁵⁴Mn / ⁵⁹Fe / ⁵⁶Co / ⁵⁷Co / ⁵⁸Co / ⁶⁰Co, E \approx 70.7, 110.8 MeV; measured σ . Comparison with previous results, model predictions. JOUR NIMBE 240 617
- ⁵⁷Ni 2005MAZL NUCLEAR REACTIONS ⁵⁸Ni(polarized p, d), E=24.6 MeV; measured $\sigma(\theta)$, A $\gamma(\theta)$. ²H(⁵⁴Fe, p), E=4.8 MeV / nucleon; measured $\sigma(\theta)$. Other reactions discussed. REPT MLL 2004 Annual,P9,Mahgoub

A=58

- ⁵⁸Cr 2005GA44 NUCLEAR REACTIONS ²⁰⁸Pb(⁹⁰Zr, X)⁹⁰Zr / ⁹²Zr / ⁸⁸Sr, E=560 MeV; ²³⁸U(⁶⁴Ni, X)⁵⁸Cr, E=400 MeV; measured E γ , I γ , $\gamma\gamma$ -, (recoil) γ -coin. ⁵⁸Cr, ^{90,92}Zr, ⁸⁸Sr deduced transitions. Clara array, mass separator. JOUR JPGPE 31 S1443
- 2005GA56 NUCLEAR REACTIONS ²³⁸U(⁸²Se, X), E=505 MeV; ²³⁸U(⁶⁴Ni, X), E=400 MeV; measured E γ , I γ , $\gamma\gamma$ -, (fragment) γ -coin, projectile-like fragments isotopic yields. ⁵⁸Cr, ⁸⁰As, ⁸²Ge, ⁸⁴Se deduced levels, J, π . Clara array, Prisma spectrometer. JOUR ZAANE 25 s01 421
- ⁵⁸Co 2005SI28 NUCLEAR REACTIONS ⁵¹V(¹⁰B, 2np), E=33, 36 MeV; measured E γ , I γ , $\gamma\gamma$ -coin, DSA. ⁵⁸Co deduced levels, J, π , T_{1/2}, B(M1). Comparison with shell model predictions. JOUR JPGPE 31 S1577
- 2005SI32 NUCLEAR REACTIONS Cu(n, X)⁵⁴Mn / ⁵⁹Fe / ⁵⁶Co / ⁵⁷Co / ⁵⁸Co / ⁶⁰Co, E \approx 70.7, 110.8 MeV; measured σ . Comparison with previous results, model predictions. JOUR NIMBE 240 617
- 2005SI37 NUCLEAR REACTIONS ⁵¹V(¹⁰B, 2np), E=33 MeV; measured E γ , I γ , $\gamma\gamma$ -, (charged particle) γ -coin. ⁵⁸Co deduced levels, J, π , configurations. Comparison with shell model predictions. JOUR BJPHE 35 821
- ⁵⁸Ni 2005AL45 NUCLEAR REACTIONS ⁵⁸Ni(¹⁶O, ¹⁶O'), (¹⁶O, ¹⁶O'), (¹⁶O, X), (¹⁸O, ¹⁸O'), (¹⁸O, ¹⁸O'), (¹⁸O, X), E=46 MeV; measured elastic, inelastic, and transfer $\sigma(\theta)$. Comparison with model predictions. JOUR BJPHE 35 909
- 2005C022 NUCLEAR REACTIONS ⁵⁸Ni(p, p' γ), (p, n γ), E=14 MeV; measured prompt and delayed E γ , I γ . ⁵⁸Cu level deduced T_{1/2}, B(E2), collective features. Comparison with model predictions. JOUR PRVCA 72 054305
- ⁵⁸Cu 2005C022 NUCLEAR REACTIONS ⁵⁸Ni(p, p' γ), (p, n γ), E=14 MeV; measured prompt and delayed E γ , I γ . ⁵⁸Cu level deduced T_{1/2}, B(E2), collective features. Comparison with model predictions. JOUR PRVCA 72 054305

A=58 (continued)

- 2005KA46 RADIOACTIVITY $^{31}\text{Cl}(\beta^+\text{p})$ [from $\text{S}(\text{p}, \text{X})$, $E=40$ MeV]; measured β -delayed $E\gamma$, Ep. $^{58}\text{Zn}(\beta^+)$ [from $\text{Nb}(\text{p}, \text{X})$, $E=1.4$ GeV]; measured $E\gamma$, $I\gamma$, $\beta\gamma$ -coin, $T_{1/2}$. ^{58}Cu deduced levels, β -feeding intensities. $^{81m}\text{Kr}(\text{EC})$, (IT); ^{81}Y , ^{81}Sr , ^{85}Nb , ^{85}Zr , ^{86}Mo , $^{86}\text{Nb}(\text{EC})$ [from Ni , $^{54}\text{Fe}(^{32}\text{S}, \text{X})$]; measured $E\gamma$, $I\gamma$, $E(\text{ce})$, $I(\text{ce})$, $T_{1/2}$. ^{81}Kr , ^{85}Zr , ^{85}Nb deduced isomeric transitions $T_{1/2}$, ICC. ^{85}Zr , ^{86}Nb deduced levels, J , π , ICC. ^{81}Br deduced neutrino capture rate. Mass-separated sources. JOUR ZAANE 25 s01 129
- ^{58}Zn 2005KA46 RADIOACTIVITY $^{31}\text{Cl}(\beta^+\text{p})$ [from $\text{S}(\text{p}, \text{X})$, $E=40$ MeV]; measured β -delayed $E\gamma$, Ep. $^{58}\text{Zn}(\beta^+)$ [from $\text{Nb}(\text{p}, \text{X})$, $E=1.4$ GeV]; measured $E\gamma$, $I\gamma$, $\beta\gamma$ -coin, $T_{1/2}$. ^{58}Cu deduced levels, β -feeding intensities. $^{81m}\text{Kr}(\text{EC})$, (IT); ^{81}Y , ^{81}Sr , ^{85}Nb , ^{85}Zr , ^{86}Mo , $^{86}\text{Nb}(\text{EC})$ [from Ni , $^{54}\text{Fe}(^{32}\text{S}, \text{X})$]; measured $E\gamma$, $I\gamma$, $E(\text{ce})$, $I(\text{ce})$, $T_{1/2}$. ^{81}Kr , ^{85}Zr , ^{85}Nb deduced isomeric transitions $T_{1/2}$, ICC. ^{85}Zr , ^{86}Nb deduced levels, J , π , ICC. ^{81}Br deduced neutrino capture rate. Mass-separated sources. JOUR ZAANE 25 s01 129

A=59

- ^{59}V 2005LI53 RADIOACTIVITY ^{57}Ti , ^{59}V , $^{59}\text{Cr}(\beta^-)$ [from $\text{Be}(^{86}\text{Kr}, \text{X})$]; measured β -delayed $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, $T_{1/2}$; deduced log ft. ^{57}V , ^{59}Cr , ^{59}Mn deduced levels, β -feeding intensities, deformation. Comparison with shell-model predictions. JOUR PRVCA 72 054321
- ^{59}Cr 2005FR29 NUCLEAR REACTIONS $^{13,14}\text{C}(^{48}\text{Ca}, 2\text{p})$, $E=130$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (recoil) γ -coin. $^{59,60}\text{Cr}$ deduced levels, J , π . Gammasphere array, comparison with model predictions. JOUR JPGPE 31 S1465
- 2005LI53 RADIOACTIVITY ^{57}Ti , ^{59}V , $^{59}\text{Cr}(\beta^-)$ [from $\text{Be}(^{86}\text{Kr}, \text{X})$]; measured β -delayed $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, $T_{1/2}$; deduced log ft. ^{57}V , ^{59}Cr , ^{59}Mn deduced levels, β -feeding intensities, deformation. Comparison with shell-model predictions. JOUR PRVCA 72 054321
- ^{59}Mn 2005LI53 RADIOACTIVITY ^{57}Ti , ^{59}V , $^{59}\text{Cr}(\beta^-)$ [from $\text{Be}(^{86}\text{Kr}, \text{X})$]; measured β -delayed $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, $T_{1/2}$; deduced log ft. ^{57}V , ^{59}Cr , ^{59}Mn deduced levels, β -feeding intensities, deformation. Comparison with shell-model predictions. JOUR PRVCA 72 054321
- ^{59}Fe 2005SI32 NUCLEAR REACTIONS $\text{Cu}(\text{n}, \text{X})^{54}\text{Mn} / ^{59}\text{Fe} / ^{56}\text{Co} / ^{57}\text{Co} / ^{58}\text{Co} / ^{60}\text{Co}$, $E \approx 70.7, 110.8$ MeV; measured σ . Comparison with previous results, model predictions. JOUR NIMBE 240 617
- ^{59}Co 2004S036 NUCLEAR REACTIONS $^{59}\text{Co}(^6\text{Li}, \text{X})$, ($^7\text{Li}, \text{X})$, $E=12-26$ MeV; measured fusion σ ; deduced breakup effects. $^{59}\text{Co}(^6\text{Li}, \text{d}\alpha)$, $E=26$ MeV; measured $E\alpha$, $E\text{d}$, $\text{d}\alpha$ -coin. JOUR BJPHE 34 907
- 2005S014 NUCLEAR REACTIONS $^{12}\text{C}(^6\text{Li}, \text{d}\alpha)$, $E=26$ MeV; $^{59}\text{Co}(^6\text{Li}, \text{d}\alpha)$, $E=30$ MeV; measured particle spectra, $\sigma(\theta(\alpha), \theta(\text{d}))$, three-body final state correlations; deduced reaction mechanism features. JOUR BJPHE 35 888

A=59 (continued)

- ⁵⁹Ga 2005ST29 NUCLEAR REACTIONS ⁹Be(⁷⁸Kr, X)⁶⁰Ge / ⁶¹Ge / ⁶²Ge / ⁶³Ge / ⁶⁴Ge / ⁶⁴Se / ⁶⁵Se / ⁶⁶Se / ⁶⁷Se / ⁶⁸Se, E=140 MeV / nucleon; measured production σ , isotopic yields; deduced no evidence for ⁵⁹Ga, ⁶³As. ⁶⁰Ge, ⁶⁴Se deduced T_{1/2} lower limits. ⁵⁹Ga, ⁶³As deduced T_{1/2} upper limits. JOUR PYLBB 627 32
- 2005ST34 NUCLEAR REACTIONS ⁹Be(⁷⁸Kr, X)⁶⁰Ge / ⁶¹Ge / ⁶²Ge / ⁶³Ge / ⁶⁴Ge / ⁶⁴Se / ⁶⁵Se / ⁶⁶Se / ⁶⁷Se / ⁶⁸Se, E=140 MeV / nucleon; measured production σ , isotopic yields; deduced no evidence for ⁵⁹Ga, ⁶³As. JOUR ZAANE 25 s01 335

A=60

- ⁶⁰Cr 2005FR29 NUCLEAR REACTIONS ^{13,14}C(⁴⁸Ca, 2p), E=130 MeV; measured E γ , I γ , $\gamma\gamma$ -, (recoil) γ -coin. ^{59,60}Cr deduced levels, J, π . Gammasphere array, comparison with model predictions. JOUR JPGPE 31 S1465
- ⁶⁰Co 2004GE20 RADIOACTIVITY ¹⁵⁵Sm(β^-) [from ¹⁵⁴Sm(n, γ)] ; ⁶⁰Co, ¹³³Ba, ¹⁵²Eu; measured γ -ray angular correlations. ¹⁵⁵Eu, ⁶⁰Ni, ¹³³Cs, ¹⁵²Gd transitions deduced δ . Comparison with previous results. JOUR BJPHE 34 722
- 2005SI32 NUCLEAR REACTIONS Cu(n, X)⁵⁴Mn / ⁵⁹Fe / ⁵⁶Co / ⁵⁷Co / ⁵⁸Co / ⁶⁰Co, E \approx 70.7, 110.8 MeV; measured σ . Comparison with previous results, model predictions. JOUR NIMBE 240 617
- ⁶⁰Ni 2004GE20 RADIOACTIVITY ¹⁵⁵Sm(β^-) [from ¹⁵⁴Sm(n, γ)] ; ⁶⁰Co, ¹³³Ba, ¹⁵²Eu; measured γ -ray angular correlations. ¹⁵⁵Eu, ⁶⁰Ni, ¹³³Cs, ¹⁵²Gd transitions deduced δ . Comparison with previous results. JOUR BJPHE 34 722
- 2005WI23 NUCLEAR REACTIONS ¹⁰⁰Mo(¹¹B, xnypz α)¹⁰⁴Rh / ¹⁰⁵Rh / ¹⁰⁷Pd / ¹⁰⁸Pd, E=43 MeV; ⁵¹V(¹⁶O, xnypz α)⁶⁰Ni / ⁶¹Ni / ⁶¹Cu / ⁶²Cu, E=70 MeV; measured E γ , I γ , $\gamma\gamma$ -, (charged particle) γ -coin; deduced γ -ray yield ratios. Application to exit channel determination discussed. JOUR BJPHE 35 898
- ⁶⁰Ge 2005ST29 NUCLEAR REACTIONS ⁹Be(⁷⁸Kr, X)⁶⁰Ge / ⁶¹Ge / ⁶²Ge / ⁶³Ge / ⁶⁴Ge / ⁶⁴Se / ⁶⁵Se / ⁶⁶Se / ⁶⁷Se / ⁶⁸Se, E=140 MeV / nucleon; measured production σ , isotopic yields; deduced no evidence for ⁵⁹Ga, ⁶³As. ⁶⁰Ge, ⁶⁴Se deduced T_{1/2} lower limits. ⁵⁹Ga, ⁶³As deduced T_{1/2} upper limits. JOUR PYLBB 627 32
- 2005ST34 NUCLEAR REACTIONS ⁹Be(⁷⁸Kr, X)⁶⁰Ge / ⁶¹Ge / ⁶²Ge / ⁶³Ge / ⁶⁴Ge / ⁶⁴Se / ⁶⁵Se / ⁶⁶Se / ⁶⁷Se / ⁶⁸Se, E=140 MeV / nucleon; measured production σ , isotopic yields; deduced no evidence for ⁵⁹Ga, ⁶³As. JOUR ZAANE 25 s01 335

A=61

- ⁶¹Ni 2005WI23 NUCLEAR REACTIONS ¹⁰⁰Mo(¹¹B, xnypzα)¹⁰⁴Rh / ¹⁰⁵Rh / ¹⁰⁷Pd / ¹⁰⁸Pd, E=43 MeV; ⁵¹V(¹⁶O, xnypzα)⁶⁰Ni / ⁶¹Ni / ⁶¹Cu / ⁶²Cu, E=70 MeV; measured Eγ, Iγ, γγ-, (charged particle)γ-coin; deduced γ-ray yield ratios. Application to exit channel determination discussed. JOUR BJPHE 35 898
- ⁶¹Cu 2005WI23 NUCLEAR REACTIONS ¹⁰⁰Mo(¹¹B, xnypzα)¹⁰⁴Rh / ¹⁰⁵Rh / ¹⁰⁷Pd / ¹⁰⁸Pd, E=43 MeV; ⁵¹V(¹⁶O, xnypzα)⁶⁰Ni / ⁶¹Ni / ⁶¹Cu / ⁶²Cu, E=70 MeV; measured Eγ, Iγ, γγ-, (charged particle)γ-coin; deduced γ-ray yield ratios. Application to exit channel determination discussed. JOUR BJPHE 35 898
- ⁶¹Zn 2005EK01 NUCLEAR REACTIONS ¹⁶O(²⁴Mg, nα), (²⁴Mg, pα), E=60 MeV; ²⁸Si(³²S, n2α), (³²S, p2α), E=130 MeV; ²⁴Mg(⁴⁰Ca, 2np), (⁴⁰Ca, n2p), E=104 MeV; measured Eγ, Iγ, γγ-, (charged particle)γ-, (neutron)γ-coin. ³⁵Ar, ³⁵Cl, ⁵¹Fe, ⁵¹Mn, ⁶¹Ga, ⁶¹Zn deduced levels, J, π, mirror energy difference. Discussed electromagnetic spin-orbit effect. Large-scale shell model calculations. JOUR ZAANE 25 s01 363
- ⁶¹Ga 2005EK01 NUCLEAR REACTIONS ¹⁶O(²⁴Mg, nα), (²⁴Mg, pα), E=60 MeV; ²⁸Si(³²S, n2α), (³²S, p2α), E=130 MeV; ²⁴Mg(⁴⁰Ca, 2np), (⁴⁰Ca, n2p), E=104 MeV; measured Eγ, Iγ, γγ-, (charged particle)γ-, (neutron)γ-coin. ³⁵Ar, ³⁵Cl, ⁵¹Fe, ⁵¹Mn, ⁶¹Ga, ⁶¹Zn deduced levels, J, π, mirror energy difference. Discussed electromagnetic spin-orbit effect. Large-scale shell model calculations. JOUR ZAANE 25 s01 363
- ⁶¹Ge 2005ST29 NUCLEAR REACTIONS ⁹Be(⁷⁸Kr, X)⁶⁰Ge / ⁶¹Ge / ⁶²Ge / ⁶³Ge / ⁶⁴Ge / ⁶⁴Se / ⁶⁵Se / ⁶⁶Se / ⁶⁷Se / ⁶⁸Se, E=140 MeV / nucleon; measured production σ, isotopic yields; deduced no evidence for ⁵⁹Ga, ⁶³As. ⁶⁰Ge, ⁶⁴Se deduced T_{1/2} lower limits. ⁵⁹Ga, ⁶³As deduced T_{1/2} upper limits. JOUR PYLBB 627 32
- 2005ST34 NUCLEAR REACTIONS ⁹Be(⁷⁸Kr, X)⁶⁰Ge / ⁶¹Ge / ⁶²Ge / ⁶³Ge / ⁶⁴Ge / ⁶⁴Se / ⁶⁵Se / ⁶⁶Se / ⁶⁷Se / ⁶⁸Se, E=140 MeV / nucleon; measured production σ, isotopic yields; deduced no evidence for ⁵⁹Ga, ⁶³As. JOUR ZAANE 25 s01 335

A=62

- ⁶²Ni 2005T014 NUCLEAR REACTIONS ⁶²Ni(ν, γ), E=5.5-90 keV; measured Eγ, capture σ; deduced Maxwellian-averaged σ. JOUR ASJOA 623 L153
- ⁶²Cu 2005ERZZ ATOMIC MASSES ⁶²Ga, ⁶²Zn, ⁶²Cu; measured masses. ⁶²Ga deduced Q(EC) for superallowed β-decay. Penning trap. PREPRINT nucl-ex/0512010,12/12/2005
- 2005PE23 NUCLEAR REACTIONS ¹⁹⁷Au(⁶⁵Cu, X)⁶²Cu / ⁶³Cu, E=443 MeV; measured yields. JOUR ZAANE 25 s01 749
- 2005WI23 NUCLEAR REACTIONS ¹⁰⁰Mo(¹¹B, xnypzα)¹⁰⁴Rh / ¹⁰⁵Rh / ¹⁰⁷Pd / ¹⁰⁸Pd, E=43 MeV; ⁵¹V(¹⁶O, xnypzα)⁶⁰Ni / ⁶¹Ni / ⁶¹Cu / ⁶²Cu, E=70 MeV; measured Eγ, Iγ, γγ-, (charged particle)γ-coin; deduced γ-ray yield ratios. Application to exit channel determination discussed. JOUR BJPHE 35 898

A=62 (continued)

^{62}Zn	2005ERZZ	ATOMIC MASSES ^{62}Ga , ^{62}Zn , ^{62}Cu ; measured masses. ^{62}Ga deduced Q(EC) for superallowed β -decay. Penning trap. PREPRINT nucl-ex/0512010,12/12/2005
	2005HY04	RADIOACTIVITY $^{62}\text{Ga}(\beta^+)$; measured $T_{1/2}$. Comparison with previous results. JOUR JPGPE 31 S1885
^{62}Ga	2005ERZZ	ATOMIC MASSES ^{62}Ga , ^{62}Zn , ^{62}Cu ; measured masses. ^{62}Ga deduced Q(EC) for superallowed β -decay. Penning trap. PREPRINT nucl-ex/0512010,12/12/2005
	2005HY04	RADIOACTIVITY $^{62}\text{Ga}(\beta^+)$; measured $T_{1/2}$. Comparison with previous results. JOUR JPGPE 31 S1885
^{62}Ge	2005ST29	NUCLEAR REACTIONS $^9\text{Be}(^{78}\text{Kr}, \text{X})^{60}\text{Ge} / ^{61}\text{Ge} / ^{62}\text{Ge} / ^{63}\text{Ge} / ^{64}\text{Ge} / ^{64}\text{Se} / ^{65}\text{Se} / ^{66}\text{Se} / ^{67}\text{Se} / ^{68}\text{Se}$, E=140 MeV / nucleon; measured production σ , isotopic yields; deduced no evidence for ^{59}Ga , ^{63}As . ^{60}Ge , ^{64}Se deduced $T_{1/2}$ lower limits. ^{59}Ga , ^{63}As deduced $T_{1/2}$ upper limits. JOUR PYLBB 627 32
	2005ST34	NUCLEAR REACTIONS $^9\text{Be}(^{78}\text{Kr}, \text{X})^{60}\text{Ge} / ^{61}\text{Ge} / ^{62}\text{Ge} / ^{63}\text{Ge} / ^{64}\text{Ge} / ^{64}\text{Se} / ^{65}\text{Se} / ^{66}\text{Se} / ^{67}\text{Se} / ^{68}\text{Se}$, E=140 MeV / nucleon; measured production σ , isotopic yields; deduced no evidence for ^{59}Ga , ^{63}As . JOUR ZAANE 25 s01 335

A=63

^{63}Ni	2005GE09	NUCLEAR REACTIONS $^{62,64}\text{Ni}(\text{d}, \text{p})$, E not given; measured E_γ , $I_\gamma(\theta, \text{H}, \text{t})$. ^{65}Ni deduced isomeric state g factor. Time dependent perturbed angular correlation technique, comparison with model predictions. JOUR JPGPE 31 S1439
	2005PE23	RADIOACTIVITY $^{63}\text{Cu}(\text{EC})$ [from $^{197}\text{Au}(^{65}\text{Cu}, \text{X})$]; measured β -delayed E_γ , I_γ . JOUR ZAANE 25 s01 749
	2005SE23	NUCLEAR REACTIONS $^{197}\text{Au}(\text{n}, \gamma)$, E=spectrum; measured E_γ , I_γ ; deduced neutron flux. $^7\text{Li}(\text{p}, \text{n})$, E not given; deduced neutron spectrum. $^{62}\text{Ni}(\text{n}, \gamma)$, E \approx 5.5-20 keV; measured σ ; deduced Maxwellian-averaged σ . JOUR JUPSA 74 2981
^{63}Cu	2005PE23	RADIOACTIVITY $^{63}\text{Cu}(\text{EC})$ [from $^{197}\text{Au}(^{65}\text{Cu}, \text{X})$]; measured β -delayed E_γ , I_γ . JOUR ZAANE 25 s01 749
	2005PE23	NUCLEAR REACTIONS $^{197}\text{Au}(^{65}\text{Cu}, \text{X})^{62}\text{Cu} / ^{63}\text{Cu}$, E=443 MeV; measured yields. JOUR ZAANE 25 s01 749
^{63}Ge	2005ST29	NUCLEAR REACTIONS $^9\text{Be}(^{78}\text{Kr}, \text{X})^{60}\text{Ge} / ^{61}\text{Ge} / ^{62}\text{Ge} / ^{63}\text{Ge} / ^{64}\text{Ge} / ^{64}\text{Se} / ^{65}\text{Se} / ^{66}\text{Se} / ^{67}\text{Se} / ^{68}\text{Se}$, E=140 MeV / nucleon; measured production σ , isotopic yields; deduced no evidence for ^{59}Ga , ^{63}As . ^{60}Ge , ^{64}Se deduced $T_{1/2}$ lower limits. ^{59}Ga , ^{63}As deduced $T_{1/2}$ upper limits. JOUR PYLBB 627 32
	2005ST34	NUCLEAR REACTIONS $^9\text{Be}(^{78}\text{Kr}, \text{X})^{60}\text{Ge} / ^{61}\text{Ge} / ^{62}\text{Ge} / ^{63}\text{Ge} / ^{64}\text{Ge} / ^{64}\text{Se} / ^{65}\text{Se} / ^{66}\text{Se} / ^{67}\text{Se} / ^{68}\text{Se}$, E=140 MeV / nucleon; measured production σ , isotopic yields; deduced no evidence for ^{59}Ga , ^{63}As . JOUR ZAANE 25 s01 335

A=63 (continued)

- ⁶³As 2005ST29 NUCLEAR REACTIONS ⁹Be(⁷⁸Kr, X)⁶⁰Ge / ⁶¹Ge / ⁶²Ge / ⁶³Ge / ⁶⁴Ge / ⁶⁴Se / ⁶⁵Se / ⁶⁶Se / ⁶⁷Se / ⁶⁸Se, E=140 MeV / nucleon; measured production σ , isotopic yields; deduced no evidence for ⁵⁹Ga, ⁶³As. ⁶⁰Ge, ⁶⁴Se deduced T_{1/2} lower limits. ⁵⁹Ga, ⁶³As deduced T_{1/2} upper limits. JOUR PYLBB 627 32
- 2005ST34 NUCLEAR REACTIONS ⁹Be(⁷⁸Kr, X)⁶⁰Ge / ⁶¹Ge / ⁶²Ge / ⁶³Ge / ⁶⁴Ge / ⁶⁴Se / ⁶⁵Se / ⁶⁶Se / ⁶⁷Se / ⁶⁸Se, E=140 MeV / nucleon; measured production σ , isotopic yields; deduced no evidence for ⁵⁹Ga, ⁶³As. JOUR ZAANE 25 s01 335

A=64

- ⁶⁴Cu 2004AG09 NUCLEAR REACTIONS ¹⁰³Rh(n, n')^{103m}Rh, E \approx 4.8 MeV; ¹¹⁵In(n, n')^{115m}In, E \approx 5 MeV; ²³²Th, ²³⁸U(n, F), E \approx 5 MeV; ²⁴Mg, ²⁷Al, ^{46,47,48}Ti, ^{54,56}Fe, ⁵⁸Ni, ⁶⁴Zn(n, p), E \approx 2-8 MeV; ²⁷Al, ⁵⁹Co(n, α), E \approx 8.3 MeV; measured activation σ . Spectrum average technique, comparison with previous results. JOUR RAACA 92 63
- 2005P017 NUCLEAR REACTIONS ⁶⁴Ni(³He, t), E=140 MeV / nucleon; measured triton spectra, $\sigma(\theta)$. ⁶⁴Cu deduced levels, J, π , Gamow-Teller strength distribution. JOUR JPGPE 31 S1945
- 2005SHZS NUCLEAR REACTIONS ⁶⁵Cu(⁶Li, d α), (⁶Li, ⁷Li), (⁶Li, ³He), (⁶Li, α), (⁶Li, α X), (⁷Li, t α), (⁷Li, d α), (⁷Li, ⁶Li), (⁷Li, ⁶He), (⁷Li, α), (⁷Li, α X), E=25 MeV; measured particle spectra, σ , $\sigma(\theta)$; deduced reaction mechanism features. Comparison with coupled channels predictions. PREPRINT nucl-ex/0512032,12/21/2005
- 2005SZ04 NUCLEAR REACTIONS Zn, ⁶⁸Zn(p, X)⁶⁴Cu, E \approx 18-100 MeV; ⁶⁶Zn(p, n2p), E \approx 35-100 MeV; measured production σ . Stacked-foil activation technique. JOUR NIMBE 240 625
- ⁶⁴Zn 2005CH60 ATOMIC MASSES ⁶⁴Zn, ⁶⁴Ga, ⁶⁸Ge, ⁶⁸As, ^{68,72}Se, ⁷⁶Kr, ⁷⁶Rb, ⁸⁰Sr, ⁸⁰Y; measured masses. Direct time-of-flight technique, comparison with previous results. JOUR JPGPE 31 S1771
- 2005LE38 NUCLEAR REACTIONS C(⁶⁸Zn, ⁶⁸Zn'), E=180 MeV; measured E γ , I $\gamma(\theta, H, t)$ (particle) γ -coin following projectile Coulomb excitation. ⁶⁸Zn levels deduced g factors, T_{1/2}, B(E2), configurations. ⁶⁴Zn levels analyzed g factors, B(E2). Large-scale shell-model calculations. JOUR PRVCA 72 044301
- ⁶⁴Ga 2005CH60 ATOMIC MASSES ⁶⁴Zn, ⁶⁴Ga, ⁶⁸Ge, ⁶⁸As, ^{68,72}Se, ⁷⁶Kr, ⁷⁶Rb, ⁸⁰Sr, ⁸⁰Y; measured masses. Direct time-of-flight technique, comparison with previous results. JOUR JPGPE 31 S1771
- ⁶⁴Ge 2005CL08 ATOMIC MASSES ⁶⁴Ge, ⁶⁸Se; analyzed masses; deduced effective T_{1/2}. ^{90,91}Mo, ^{90,91,92,93}Tc, ^{93,94}Ru, ^{94,95}Rh, ^{104,105,106,107}In, ^{104,105,107,108}Sn, ^{107,108}Sb; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629
- 2005ST29 NUCLEAR REACTIONS ⁹Be(⁷⁸Kr, X)⁶⁰Ge / ⁶¹Ge / ⁶²Ge / ⁶³Ge / ⁶⁴Ge / ⁶⁴Se / ⁶⁵Se / ⁶⁶Se / ⁶⁷Se / ⁶⁸Se, E=140 MeV / nucleon; measured production σ , isotopic yields; deduced no evidence for ⁵⁹Ga, ⁶³As. ⁶⁰Ge, ⁶⁴Se deduced T_{1/2} lower limits. ⁵⁹Ga, ⁶³As deduced T_{1/2} upper limits. JOUR PYLBB 627 32

A=64 (continued)

- 2005ST34 NUCLEAR REACTIONS ${}^9\text{Be}({}^{78}\text{Kr}, \text{X}){}^{60}\text{Ge} / {}^{61}\text{Ge} / {}^{62}\text{Ge} / {}^{63}\text{Ge} / {}^{64}\text{Ge} / {}^{64}\text{Se} / {}^{65}\text{Se} / {}^{66}\text{Se} / {}^{67}\text{Se} / {}^{68}\text{Se}$, E=140 MeV / nucleon; measured production σ , isotopic yields; deduced no evidence for ${}^{59}\text{Ga}$, ${}^{63}\text{As}$. JOUR ZAANE 25 s01 335
- ${}^{64}\text{Se}$ 2005ST29 NUCLEAR REACTIONS ${}^9\text{Be}({}^{78}\text{Kr}, \text{X}){}^{60}\text{Ge} / {}^{61}\text{Ge} / {}^{62}\text{Ge} / {}^{63}\text{Ge} / {}^{64}\text{Ge} / {}^{64}\text{Se} / {}^{65}\text{Se} / {}^{66}\text{Se} / {}^{67}\text{Se} / {}^{68}\text{Se}$, E=140 MeV / nucleon; measured production σ , isotopic yields; deduced no evidence for ${}^{59}\text{Ga}$, ${}^{63}\text{As}$. ${}^{60}\text{Ge}$, ${}^{64}\text{Se}$ deduced $T_{1/2}$ lower limits. ${}^{59}\text{Ga}$, ${}^{63}\text{As}$ deduced $T_{1/2}$ upper limits. JOUR PYLBB 627 32
- 2005ST34 NUCLEAR REACTIONS ${}^9\text{Be}({}^{78}\text{Kr}, \text{X}){}^{60}\text{Ge} / {}^{61}\text{Ge} / {}^{62}\text{Ge} / {}^{63}\text{Ge} / {}^{64}\text{Ge} / {}^{64}\text{Se} / {}^{65}\text{Se} / {}^{66}\text{Se} / {}^{67}\text{Se} / {}^{68}\text{Se}$, E=140 MeV / nucleon; measured production σ , isotopic yields; deduced no evidence for ${}^{59}\text{Ga}$, ${}^{63}\text{As}$. JOUR ZAANE 25 s01 335

A=65

- ${}^{65}\text{Ni}$ 2005GE09 NUCLEAR REACTIONS ${}^{62,64}\text{Ni}(\text{d}, \text{p})$, E not given; measured $E\gamma$, $I\gamma(\theta, \text{H}, \text{t})$. ${}^{65}\text{Ni}$ deduced isomeric state g factor. Time dependent perturbed angular correlation technique, comparison with model predictions. JOUR JPGPE 31 S1439
- ${}^{65}\text{Cu}$ 2005SHZS NUCLEAR REACTIONS ${}^{65}\text{Cu}({}^6\text{Li}, \text{d}\alpha)$, $({}^6\text{Li}, {}^7\text{Li})$, $({}^6\text{Li}, {}^3\text{He})$, $({}^6\text{Li}, \alpha)$, $({}^6\text{Li}, \alpha\text{X})$, $({}^7\text{Li}, \text{t}\alpha)$, $({}^7\text{Li}, \text{d}\alpha)$, $({}^7\text{Li}, {}^6\text{Li})$, $({}^7\text{Li}, {}^6\text{He})$, $({}^7\text{Li}, \alpha)$, $({}^7\text{Li}, \alpha\text{X})$, E=25 MeV; measured particle spectra, σ , $\sigma(\theta)$; deduced reaction mechanism features. Comparison with coupled channels predictions. PREPRINT nucl-ex/0512032,12/21/2005
- 2006B001 RADIOACTIVITY ${}^{54}\text{Mn}$, ${}^{65}\text{Zn}(\text{EC})$; measured $\beta\gamma$ -coin. Triple to double coincidence ratio method. JOUR ARISE 64 124
- ${}^{65}\text{Zn}$ 2006B001 RADIOACTIVITY ${}^{54}\text{Mn}$, ${}^{65}\text{Zn}(\text{EC})$; measured $\beta\gamma$ -coin. Triple to double coincidence ratio method. JOUR ARISE 64 124
- ${}^{65}\text{Se}$ 2005ST29 NUCLEAR REACTIONS ${}^9\text{Be}({}^{78}\text{Kr}, \text{X}){}^{60}\text{Ge} / {}^{61}\text{Ge} / {}^{62}\text{Ge} / {}^{63}\text{Ge} / {}^{64}\text{Ge} / {}^{64}\text{Se} / {}^{65}\text{Se} / {}^{66}\text{Se} / {}^{67}\text{Se} / {}^{68}\text{Se}$, E=140 MeV / nucleon; measured production σ , isotopic yields; deduced no evidence for ${}^{59}\text{Ga}$, ${}^{63}\text{As}$. ${}^{60}\text{Ge}$, ${}^{64}\text{Se}$ deduced $T_{1/2}$ lower limits. ${}^{59}\text{Ga}$, ${}^{63}\text{As}$ deduced $T_{1/2}$ upper limits. JOUR PYLBB 627 32
- 2005ST34 NUCLEAR REACTIONS ${}^9\text{Be}({}^{78}\text{Kr}, \text{X}){}^{60}\text{Ge} / {}^{61}\text{Ge} / {}^{62}\text{Ge} / {}^{63}\text{Ge} / {}^{64}\text{Ge} / {}^{64}\text{Se} / {}^{65}\text{Se} / {}^{66}\text{Se} / {}^{67}\text{Se} / {}^{68}\text{Se}$, E=140 MeV / nucleon; measured production σ , isotopic yields; deduced no evidence for ${}^{59}\text{Ga}$, ${}^{63}\text{As}$. JOUR ZAANE 25 s01 335

A=66

- ${}^{66}\text{Cu}$ 2005SHZS NUCLEAR REACTIONS ${}^{65}\text{Cu}({}^6\text{Li}, \text{d}\alpha)$, $({}^6\text{Li}, {}^7\text{Li})$, $({}^6\text{Li}, {}^3\text{He})$, $({}^6\text{Li}, \alpha)$, $({}^6\text{Li}, \alpha\text{X})$, $({}^7\text{Li}, \text{t}\alpha)$, $({}^7\text{Li}, \text{d}\alpha)$, $({}^7\text{Li}, {}^6\text{Li})$, $({}^7\text{Li}, {}^6\text{He})$, $({}^7\text{Li}, \alpha)$, $({}^7\text{Li}, \alpha\text{X})$, E=25 MeV; measured particle spectra, σ , $\sigma(\theta)$; deduced reaction mechanism features. Comparison with coupled channels predictions. PREPRINT nucl-ex/0512032,12/21/2005

A=66 (continued)

- ⁶⁶Zn 2005SHZS NUCLEAR REACTIONS ⁶⁵Cu(⁶Li, dα), (⁶Li, ⁷Li), (⁶Li, ³He), (⁶Li, α), (⁶Li, αX), (⁷Li, tα), (⁷Li, dα), (⁷Li, ⁶Li), (⁷Li, ⁶He), (⁷Li, α), (⁷Li, αX), E=25 MeV; measured particle spectra, σ, σ(θ); deduced reaction mechanism features. Comparison with coupled channels predictions. PREPRINT nucl-ex/0512032,12/21/2005
- ⁶⁶Se 2005ST29 NUCLEAR REACTIONS ⁹Be(⁷⁸Kr, X)⁶⁰Ge / ⁶¹Ge / ⁶²Ge / ⁶³Ge / ⁶⁴Ge / ⁶⁴Se / ⁶⁵Se / ⁶⁶Se / ⁶⁷Se / ⁶⁸Se, E=140 MeV / nucleon; measured production σ, isotopic yields; deduced no evidence for ⁵⁹Ga, ⁶³As. ⁶⁰Ge, ⁶⁴Se deduced T_{1/2} lower limits. ⁵⁹Ga, ⁶³As deduced T_{1/2} upper limits. JOUR PYLBB 627 32
- 2005ST34 NUCLEAR REACTIONS ⁹Be(⁷⁸Kr, X)⁶⁰Ge / ⁶¹Ge / ⁶²Ge / ⁶³Ge / ⁶⁴Ge / ⁶⁴Se / ⁶⁵Se / ⁶⁶Se / ⁶⁷Se / ⁶⁸Se, E=140 MeV / nucleon; measured production σ, isotopic yields; deduced no evidence for ⁵⁹Ga, ⁶³As. JOUR ZAANE 25 s01 335

A=67

- ⁶⁷Zn 2005SHZS NUCLEAR REACTIONS ⁶⁵Cu(⁶Li, dα), (⁶Li, ⁷Li), (⁶Li, ³He), (⁶Li, α), (⁶Li, αX), (⁷Li, tα), (⁷Li, dα), (⁷Li, ⁶Li), (⁷Li, ⁶He), (⁷Li, α), (⁷Li, αX), E=25 MeV; measured particle spectra, σ, σ(θ); deduced reaction mechanism features. Comparison with coupled channels predictions. PREPRINT nucl-ex/0512032,12/21/2005
- ⁶⁷Se 2005ST29 NUCLEAR REACTIONS ⁹Be(⁷⁸Kr, X)⁶⁰Ge / ⁶¹Ge / ⁶²Ge / ⁶³Ge / ⁶⁴Ge / ⁶⁴Se / ⁶⁵Se / ⁶⁶Se / ⁶⁷Se / ⁶⁸Se, E=140 MeV / nucleon; measured production σ, isotopic yields; deduced no evidence for ⁵⁹Ga, ⁶³As. ⁶⁰Ge, ⁶⁴Se deduced T_{1/2} lower limits. ⁵⁹Ga, ⁶³As deduced T_{1/2} upper limits. JOUR PYLBB 627 32
- 2005ST34 NUCLEAR REACTIONS ⁹Be(⁷⁸Kr, X)⁶⁰Ge / ⁶¹Ge / ⁶²Ge / ⁶³Ge / ⁶⁴Ge / ⁶⁴Se / ⁶⁵Se / ⁶⁶Se / ⁶⁷Se / ⁶⁸Se, E=140 MeV / nucleon; measured production σ, isotopic yields; deduced no evidence for ⁵⁹Ga, ⁶³As. JOUR ZAANE 25 s01 335

A=68

- ⁶⁸Zn 2005LE38 NUCLEAR REACTIONS C(⁶⁸Zn, ⁶⁸Zn'), E=180 MeV; measured E_γ, I_γ(θ, H, t) (particle)γ-coin following projectile Coulomb excitation. ⁶⁸Zn levels deduced g factors, T_{1/2}, B(E2), configurations. ⁶⁴Zn levels analyzed g factors, B(E2). Large-scale shell-model calculations. JOUR PRVCA 72 044301
- 2005SHZS NUCLEAR REACTIONS ⁶⁵Cu(⁶Li, dα), (⁶Li, ⁷Li), (⁶Li, ³He), (⁶Li, α), (⁶Li, αX), (⁷Li, tα), (⁷Li, dα), (⁷Li, ⁶Li), (⁷Li, ⁶He), (⁷Li, α), (⁷Li, αX), E=25 MeV; measured particle spectra, σ, σ(θ); deduced reaction mechanism features. Comparison with coupled channels predictions. PREPRINT nucl-ex/0512032,12/21/2005
- ⁶⁸Ge 2005CH60 ATOMIC MASSES ⁶⁴Zn, ⁶⁴Ga, ⁶⁸Ge, ⁶⁸As, ^{68,72}Se, ⁷⁶Kr, ⁷⁶Rb, ⁸⁰Sr, ⁸⁰Y; measured masses. Direct time-of-flight technique, comparison with previous results. JOUR JPGPE 31 S1771

A=68 (continued)

- ⁶⁸As 2005CH60 ATOMIC MASSES ⁶⁴Zn, ⁶⁴Ga, ⁶⁸Ge, ⁶⁸As, ^{68,72}Se, ⁷⁶Kr, ⁷⁶Rb, ⁸⁰Sr, ⁸⁰Y; measured masses. Direct time-of-flight technique, comparison with previous results. JOUR JPGPE 31 S1771
- ⁶⁸Se 2005CH60 ATOMIC MASSES ⁶⁴Zn, ⁶⁴Ga, ⁶⁸Ge, ⁶⁸As, ^{68,72}Se, ⁷⁶Kr, ⁷⁶Rb, ⁸⁰Sr, ⁸⁰Y; measured masses. Direct time-of-flight technique, comparison with previous results. JOUR JPGPE 31 S1771
- 2005CL08 ATOMIC MASSES ⁶⁴Ge, ⁶⁸Se; analyzed masses; deduced effective $T_{1/2}$. ^{90,91}Mo, ^{90,91,92,93}Tc, ^{93,94}Ru, ^{94,95}Rh, ^{104,105,106,107}In, ^{104,105,107,108}Sn, ^{107,108}Sb; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629
- 2005ST29 NUCLEAR REACTIONS ⁹Be(⁷⁸Kr, X)⁶⁰Ge / ⁶¹Ge / ⁶²Ge / ⁶³Ge / ⁶⁴Ge / ⁶⁴Se / ⁶⁵Se / ⁶⁶Se / ⁶⁷Se / ⁶⁸Se, E=140 MeV / nucleon; measured production σ , isotopic yields; deduced no evidence for ⁵⁹Ga, ⁶³As. ⁶⁰Ge, ⁶⁴Se deduced $T_{1/2}$ lower limits. ⁵⁹Ga, ⁶³As deduced $T_{1/2}$ upper limits. JOUR PYLBB 627 32
- 2005ST34 NUCLEAR REACTIONS ⁹Be(⁷⁸Kr, X)⁶⁰Ge / ⁶¹Ge / ⁶²Ge / ⁶³Ge / ⁶⁴Ge / ⁶⁴Se / ⁶⁵Se / ⁶⁶Se / ⁶⁷Se / ⁶⁸Se, E=140 MeV / nucleon; measured production σ , isotopic yields; deduced no evidence for ⁵⁹Ga, ⁶³As. JOUR ZAANE 25 s01 335

A=69

No references found

A=70

- ⁷⁰Ni 2005MA95 RADIOACTIVITY ^{71,72,73,74}Co(β^-), (β^- -n) [from ⁹Be(⁸⁶Kr, X)]; measured E_γ , E_β , $\beta\gamma$ -coin; deduced βn branching fraction. ^{70,71,72,73,74}Ni deduced levels, J, π . JOUR ZAANE 25 s01 93
- ⁷⁰Ga 2005WA29 NUCLEAR REACTIONS ⁷¹Ga(n, 2n), E=13.5, 14.1, 14.7 MeV; measured σ . Activation technique, comparison with previous results. JOUR PRVCA 72 037604

A=71

- ⁷¹Co 2005MA95 RADIOACTIVITY ^{71,72,73,74}Co(β^-), (β^- -n) [from ⁹Be(⁸⁶Kr, X)]; measured E_γ , E_β , $\beta\gamma$ -coin; deduced βn branching fraction. ^{70,71,72,73,74}Ni deduced levels, J, π . JOUR ZAANE 25 s01 93
- ⁷¹Ni 2005MA95 RADIOACTIVITY ^{71,72,73,74}Co(β^-), (β^- -n) [from ⁹Be(⁸⁶Kr, X)]; measured E_γ , E_β , $\beta\gamma$ -coin; deduced βn branching fraction. ^{70,71,72,73,74}Ni deduced levels, J, π . JOUR ZAANE 25 s01 93
- ⁷¹Ge 2004H025 NUCLEAR REACTIONS ^{70,73}Ge(n, γ), E=thermal; measured E_γ , I_γ , $\gamma\gamma$ -coin. ^{71,74}Ge deduced transitions, two-quantum cascade intensities. JOUR BRSPE 68 1324

A=72

- ⁷²Co 2005MA95 RADIOACTIVITY ^{71,72,73,74}Co(β^-), (β^- n) [from ⁹Be(⁸⁶Kr, X)]; measured E γ , E β , $\beta\gamma$ -coin; deduced β n branching fraction. ^{70,71,72,73,74}Ni deduced levels, J, π . JOUR ZAANE 25 s01 93
- ⁷²Ni 2005MA95 RADIOACTIVITY ^{71,72,73,74}Co(β^-), (β^- n) [from ⁹Be(⁸⁶Kr, X)]; measured E γ , E β , $\beta\gamma$ -coin; deduced β n branching fraction. ^{70,71,72,73,74}Ni deduced levels, J, π . JOUR ZAANE 25 s01 93
- ⁷²Se 2005CH60 ATOMIC MASSES ⁶⁴Zn, ⁶⁴Ga, ⁶⁸Ge, ⁶⁸As, ^{68,72}Se, ⁷⁶Kr, ⁷⁶Rb, ⁸⁰Sr, ⁸⁰Y; measured masses. Direct time-of-flight technique, comparison with previous results. JOUR JPGPE 31 S1771
- ⁷²Kr 2005R039 ATOMIC MASSES ^{72,73,74}Kr, ⁷³Rb, ⁷⁴Sr; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 41

A=73

- ⁷³Co 2005MA95 RADIOACTIVITY ^{71,72,73,74}Co(β^-), (β^- n) [from ⁹Be(⁸⁶Kr, X)]; measured E γ , E β , $\beta\gamma$ -coin; deduced β n branching fraction. ^{70,71,72,73,74}Ni deduced levels, J, π . JOUR ZAANE 25 s01 93
- ⁷³Ni 2005MA95 RADIOACTIVITY ^{71,72,73,74}Co(β^-), (β^- n) [from ⁹Be(⁸⁶Kr, X)]; measured E γ , E β , $\beta\gamma$ -coin; deduced β n branching fraction. ^{70,71,72,73,74}Ni deduced levels, J, π . JOUR ZAANE 25 s01 93
- ⁷³Ge 2004VA37 RADIOACTIVITY ⁷³Ge(β^-); measured T_{1/2} lower limit for charge-nonconserving β -decay. JOUR BRSPE 68 1255
- ⁷³As 2004VA37 RADIOACTIVITY ⁷³Ge(β^-); measured T_{1/2} lower limit for charge-nonconserving β -decay. JOUR BRSPE 68 1255
- ⁷³Kr 2005R039 ATOMIC MASSES ^{72,73,74}Kr, ⁷³Rb, ⁷⁴Sr; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 41
- ⁷³Rb 2005R039 ATOMIC MASSES ^{72,73,74}Kr, ⁷³Rb, ⁷⁴Sr; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 41

A=74

- ⁷⁴Co 2005MA95 RADIOACTIVITY ^{71,72,73,74}Co(β^-), (β^- n) [from ⁹Be(⁸⁶Kr, X)]; measured E γ , E β , $\beta\gamma$ -coin; deduced β n branching fraction. ^{70,71,72,73,74}Ni deduced levels, J, π . JOUR ZAANE 25 s01 93
- ⁷⁴Ni 2005MA95 RADIOACTIVITY ^{71,72,73,74}Co(β^-), (β^- n) [from ⁹Be(⁸⁶Kr, X)]; measured E γ , E β , $\beta\gamma$ -coin; deduced β n branching fraction. ^{70,71,72,73,74}Ni deduced levels, J, π . JOUR ZAANE 25 s01 93
- ⁷⁴Ge 2004H025 NUCLEAR REACTIONS ^{70,73}Ge(n, γ), E=thermal; measured E γ , I γ , $\gamma\gamma$ -coin. ^{71,74}Ge deduced transitions, two-quantum cascade intensities. JOUR BRSPE 68 1324
- ⁷⁴Br 2004C029 RADIOACTIVITY ⁷⁴Kr(EC), (β^+) [from Nb(p, X)]; measured $\beta\gamma$ -coin; deduced Gamow-Teller strength distribution. ³³Na(β^-), (β^- n) [from U(p, X)]; measured $\beta\gamma^-$, n β^- , $\gamma\gamma$ -coin, T_{1/2}. ³³Mg deduced ground-state J, π . Total absorption spectrometer. JOUR BJPHE 34 850

A=74 (continued)

- ⁷⁴Kr 2004C029 RADIOACTIVITY ⁷⁴Kr(EC), (β^+) [from Nb(p, X)]; measured $\beta\gamma$ -coin; deduced Gamow-Teller strength distribution. ³³Na(β^-), (β^-n) [from U(p, X)]; measured $\beta\gamma^-$, $n\beta^-$, $\gamma\gamma$ -coin, $T_{1/2}$. ³³Mg deduced ground-state J, π . Total absorption spectrometer. JOUR BJPHE 34 850
- 2005G043 NUCLEAR REACTIONS ⁴⁰Ca(⁴⁰Ca, 2p α), (⁴⁰Ca, 4p), E=147 MeV; measured Doppler-shifted E γ , I γ , $\gamma\gamma$ -coin. ^{74,76}Kr levels deduced $T_{1/2}$, B(E2). GASP array, recoil-distance technique. JOUR ZAANE 26 153
- 2005R039 ATOMIC MASSES ^{72,73,74}Kr, ⁷³Rb, ⁷⁴Sr; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 41
- 2005VA30 NUCLEAR REACTIONS ⁴⁰Ca(⁴⁰Ca, 2p α), E=165, 185 MeV; measured E γ , I γ , $\gamma\gamma^-$, (charged particle) γ^- , (neutron) γ -coin, DSA. ⁷⁴Kr deduced high-spin levels, J, π , $T_{1/2}$, transition quadrupole moments, configurations, nontermination of rotational bands. Euroball III, ISIS, Gammasphere, and Microball arrays. JOUR PRLTA 95 232501
- ⁷⁴Sr 2005R039 ATOMIC MASSES ^{72,73,74}Kr, ⁷³Rb, ⁷⁴Sr; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 41

A=75

- ⁷⁵As 2005RA29 RADIOACTIVITY ⁷⁵Se(EC); measured E γ , I γ , E(ce), I(ce); deduced log ft. ⁷⁵As deduced levels, J, π , ICC, B(E2), δ . Mini-orange spectrometer. JOUR ZAANE 26 41
- ⁷⁵Se 2005RA29 RADIOACTIVITY ⁷⁵Se(EC); measured E γ , I γ , E(ce), I(ce); deduced log ft. ⁷⁵As deduced levels, J, π , ICC, B(E2), δ . Mini-orange spectrometer. JOUR ZAANE 26 41
- ⁷⁵Br 2004SC48 NUCLEAR REACTIONS ⁷⁸Kr(d, n), (d, p), (d, α), (d, $n\alpha$), E \approx 4-13 MeV; measured excitation functions. Stacked gas cell activation technique. JOUR RAACA 92 203

A=76

- ⁷⁶Ge 2005IW03 NUCLEAR REACTIONS Pb(⁷⁶Ge, ⁷⁶Ge'), (⁷⁸Ge, ⁷⁸Ge'), (⁸⁰Ge, ⁸⁰Ge'), (⁸²Ge, ⁸²Ge'), E \approx 40 MeV / nucleon; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{76,78,80,82}Ge deduced transitions B(E2). JOUR ZAANE 25 s01 415
- ⁷⁶Br 2004SC48 NUCLEAR REACTIONS ⁷⁸Kr(d, n), (d, p), (d, α), (d, $n\alpha$), E \approx 4-13 MeV; measured excitation functions. Stacked gas cell activation technique. JOUR RAACA 92 203
- ⁷⁶Kr 2005BE61 NUCLEAR REACTIONS ²⁶Mg(⁷⁶Kr, ⁷⁶Kr'), E=230 MeV; measured E γ , I γ (θ , H, t), (particle) γ -coin following projectile Coulomb excitation. ⁷⁶Kr level deduced g factor. Transient field technique. JOUR ZAANE 25 s01 203
- 2005CH60 ATOMIC MASSES ⁶⁴Zn, ⁶⁴Ga, ⁶⁸Ge, ⁶⁸As, ^{68,72}Se, ⁷⁶Kr, ⁷⁶Rb, ⁸⁰Sr, ⁸⁰Y; measured masses. Direct time-of-flight technique, comparison with previous results. JOUR JPGPE 31 S1771

A=76 (continued)

- 2005GI17 RADIOACTIVITY $^{76}\text{Rb}(\beta^+)$, (EC) [from Nb(p, X)]; measured $E\gamma$, $I\gamma$, $E(\text{ce})$, $I(\text{ce})$, $\gamma\gamma$ -, $\beta\gamma$ -coin; deduced log ft. ^{76}Kr deduced levels J, π , $T_{1/2}$, ICC. ^{76}Rb deduced ground state J, π . JOUR PRVCA 72 044308
- 2005G043 NUCLEAR REACTIONS $^{40}\text{Ca}(^{40}\text{Ca}, 2p\alpha)$, ($^{40}\text{Ca}, 4p$), $E=147$ MeV; measured Doppler-shifted $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{74,76}\text{Kr}$ levels deduced $T_{1/2}$, B(E2). GASP array, recoil-distance technique. JOUR ZAANE 26 153
- ^{76}Rb 2005CH60 ATOMIC MASSES ^{64}Zn , ^{64}Ga , ^{68}Ge , ^{68}As , $^{68,72}\text{Se}$, ^{76}Kr , ^{76}Rb , ^{80}Sr , ^{80}Y ; measured masses. Direct time-of-flight technique, comparison with previous results. JOUR JPGPE 31 S1771
- 2005GI17 RADIOACTIVITY $^{76}\text{Rb}(\beta^+)$, (EC) [from Nb(p, X)]; measured $E\gamma$, $I\gamma$, $E(\text{ce})$, $I(\text{ce})$, $\gamma\gamma$ -, $\beta\gamma$ -coin; deduced log ft. ^{76}Kr deduced levels J, π , $T_{1/2}$, ICC. ^{76}Rb deduced ground state J, π . JOUR PRVCA 72 044308
- ^{76}Sr 2005SI34 ATOMIC MASSES $^{76,77,80,81,86,88}\text{Sr}$, $^{124,129,130,131,132}\text{Sn}$; measured masses. Penning trap mass spectrometer, comparison with previous results. JOUR NUPAB 763 45

A=77

- ^{77}Sr 2005SI34 ATOMIC MASSES $^{76,77,80,81,86,88}\text{Sr}$, $^{124,129,130,131,132}\text{Sn}$; measured masses. Penning trap mass spectrometer, comparison with previous results. JOUR NUPAB 763 45

A=78

- ^{78}Ni 2005SC28 RADIOACTIVITY $^{78}\text{Ni}(\beta^-)$ [from ^{86}Kr fragmentation]; measured $T_{1/2}$. Comparison with model predictions, astrophysical implications discussed. JOUR ZAANE 25 s01 639
- ^{78}Cu 2005SC28 RADIOACTIVITY $^{78}\text{Ni}(\beta^-)$ [from ^{86}Kr fragmentation]; measured $T_{1/2}$. Comparison with model predictions, astrophysical implications discussed. JOUR ZAANE 25 s01 639
- ^{78}Ge 2005IW03 NUCLEAR REACTIONS Pb(^{76}Ge , $^{76}\text{Ge}'$), (^{78}Ge , $^{78}\text{Ge}'$), (^{80}Ge , $^{80}\text{Ge}'$), (^{82}Ge , $^{82}\text{Ge}'$), $E \approx 40$ MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. $^{76,78,80,82}\text{Ge}$ deduced transitions B(E2). JOUR ZAANE 25 s01 415
- ^{78}Se 2005GAZV RADIOACTIVITY $^{78}\text{Kr}(2\text{EC})$; measured $2\text{K}(2\nu)$ -capture $T_{1/2}$ lower limit. PREPRINT nucl-ex/0510070,10/26/2005
- ^{78}Kr 2005GAZV RADIOACTIVITY $^{78}\text{Kr}(2\text{EC})$; measured $2\text{K}(2\nu)$ -capture $T_{1/2}$ lower limit. PREPRINT nucl-ex/0510070,10/26/2005
- 2005SC26 ATOMIC MASSES $^{78,80,82,83,84,86}\text{Kr}$; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 51

A=79

- ^{79}Kr 2004SC48 NUCLEAR REACTIONS $^{78}\text{Kr}(\text{d}, \text{n})$, (d, p), (d, α), ($\text{d}, \text{n}\alpha$), $E \approx 4$ -13 MeV; measured excitation functions. Stacked gas cell activation technique. JOUR RAACA 92 203

A=79 (continued)

⁷⁹Rb 2004SC48 NUCLEAR REACTIONS ⁷⁸Kr(d, n), (d, p), (d, α), (d, nα), E ≈ 4-13 MeV; measured excitation functions. Stacked gas cell activation technique. JOUR RAACA 92 203

A=80

⁸⁰Ga 2005MA81 RADIOACTIVITY ³²Na, ⁸⁰Ga(β^-); measured E γ , I γ , $\gamma\gamma$ -, $\beta\gamma$ -coin. ³²Mg, ⁸⁰Ge levels deduced T_{1/2}. Ultra-fast timing techniques. JOUR JPGPE 31 S1421

⁸⁰Ge 2005IW03 NUCLEAR REACTIONS Pb(⁷⁶Ge, ⁷⁶Ge'), (⁷⁸Ge, ⁷⁸Ge'), (⁸⁰Ge, ⁸⁰Ge'), (⁸²Ge, ⁸²Ge'), E ≈ 40 MeV / nucleon; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{76,78,80,82}Ge deduced transitions B(E2). JOUR ZAANE 25 s01 415

2005MA81 RADIOACTIVITY ³²Na, ⁸⁰Ga(β^-); measured E γ , I γ , $\gamma\gamma$ -, $\beta\gamma$ -coin. ³²Mg, ⁸⁰Ge levels deduced T_{1/2}. Ultra-fast timing techniques. JOUR JPGPE 31 S1421

⁸⁰As 2005GA56 NUCLEAR REACTIONS ²³⁸U(⁸²Se, X), E=505 MeV; ²³⁸U(⁶⁴Ni, X), E=400 MeV; measured E γ , I γ , $\gamma\gamma$ -, (fragment) γ -coin, projectile-like fragments isotopic yields. ⁵⁸Cr, ⁸⁰As, ⁸²Ge, ⁸⁴Se deduced levels, J, π . Clara array, Prisma spectrometer. JOUR ZAANE 25 s01 421

⁸⁰Kr 2005SC26 ATOMIC MASSES ^{78,80,82,83,84,86}Kr; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 51

⁸⁰Sr 2005CH60 ATOMIC MASSES ⁶⁴Zn, ⁶⁴Ga, ⁶⁸Ge, ⁶⁸As, ^{68,72}Se, ⁷⁶Kr, ⁷⁶Rb, ⁸⁰Sr, ⁸⁰Y; measured masses. Direct time-of-flight technique, comparison with previous results. JOUR JPGPE 31 S1771

2005SI34 ATOMIC MASSES ^{76,77,80,81,86,88}Sr, ^{124,129,130,131,132}Sn; measured masses. Penning trap mass spectrometer, comparison with previous results. JOUR NUPAB 763 45

⁸⁰Y 2005CH60 ATOMIC MASSES ⁶⁴Zn, ⁶⁴Ga, ⁶⁸Ge, ⁶⁸As, ^{68,72}Se, ⁷⁶Kr, ⁷⁶Rb, ⁸⁰Sr, ⁸⁰Y; measured masses. Direct time-of-flight technique, comparison with previous results. JOUR JPGPE 31 S1771

A=81

⁸¹Zn 2004VE14 RADIOACTIVITY ⁸³Ga, ⁸¹Zn(β^-) [from U(d, X)]; measured E γ , I γ , $\gamma\gamma$ -, $\beta\gamma$ -coin, T_{1/2}. ⁸¹Ga, ⁸³As deduced levels. JOUR BJPHE 34 979

⁸¹Ga 2004VE14 RADIOACTIVITY ⁸³Ga, ⁸¹Zn(β^-) [from U(d, X)]; measured E γ , I γ , $\gamma\gamma$ -, $\beta\gamma$ -coin, T_{1/2}. ⁸¹Ga, ⁸³As deduced levels. JOUR BJPHE 34 979

⁸¹Br 2005KA39 RADIOACTIVITY ^{81m}Kr(EC), (IT); ⁸¹Y, ⁸¹Sr, ⁸⁵Nb, ⁸⁵Zr, ⁸⁶Mo, ⁸⁶Nb(EC) [from Ni, ⁵⁴Fe(³²S, X)]; measured E γ , I γ , E(cc), I(cc), T_{1/2}. ⁸¹Kr, ⁸⁵Zr, ⁸⁵Nb deduced isomeric transitions T_{1/2}, ICC. ⁸⁵Zr, ⁸⁶Nb deduced levels, J, π , ICC. ⁸¹Br deduced neutrino capture rate. Astrophysical implications discussed. JOUR ZAANE 25 355

A=81 (*continued*)

- 2005KA46 RADIOACTIVITY $^{31}\text{Cl}(\beta^+\text{p})$ [from S(p, X), E=40 MeV]; measured β -delayed $E\gamma$, Ep. $^{58}\text{Zn}(\beta^+)$ [from Nb(p, X), E=1.4 GeV]; measured $E\gamma$, $I\gamma$, $\beta\gamma$ -coin, $T_{1/2}$. ^{58}Cu deduced levels, β -feeding intensities. $^{81m}\text{Kr}(\text{EC})$, (IT); ^{81}Y , ^{81}Sr , ^{85}Nb , ^{85}Zr , ^{86}Mo , $^{86}\text{Nb}(\text{EC})$ [from Ni, $^{54}\text{Fe}(^{32}\text{S}, \text{X})$]; measured $E\gamma$, $I\gamma$, E(ce), I(ce), $T_{1/2}$. ^{81}Kr , ^{85}Zr , ^{85}Nb deduced isomeric transitions $T_{1/2}$, ICC. ^{85}Zr , ^{86}Nb deduced levels, J, π , ICC. ^{81}Br deduced neutrino capture rate. Mass-separated sources. JOUR ZAANE 25 s01 129
- ^{81}Kr 2005KA39 RADIOACTIVITY $^{81m}\text{Kr}(\text{EC})$, (IT); ^{81}Y , ^{81}Sr , ^{85}Nb , ^{85}Zr , ^{86}Mo , $^{86}\text{Nb}(\text{EC})$ [from Ni, $^{54}\text{Fe}(^{32}\text{S}, \text{X})$]; measured $E\gamma$, $I\gamma$, E(ce), I(ce), $T_{1/2}$. ^{81}Kr , ^{85}Zr , ^{85}Nb deduced isomeric transitions $T_{1/2}$, ICC. ^{85}Zr , ^{86}Nb deduced levels, J, π , ICC. ^{81}Br deduced neutrino capture rate. Astrophysical implications discussed. JOUR ZAANE 25 355
- 2005KA39 NUCLEAR REACTIONS $^{54}\text{Fe}(^{32}\text{S}, \text{X})^{81}\text{Zr} / ^{81}\text{Y} / ^{81}\text{Sr} / ^{81m}\text{Kr}$, E=150-170 MeV; Ni($^{32}\text{S}, \text{X}$) $^{85}\text{Nb} / ^{85m}\text{Nb} / ^{85}\text{Zr} / ^{85m}\text{Zr} / ^{86}\text{Mo} / ^{86}\text{Nb}$, E=150-170 MeV; measured yields. JOUR ZAANE 25 355
- 2005KA46 RADIOACTIVITY $^{31}\text{Cl}(\beta^+\text{p})$ [from S(p, X), E=40 MeV]; measured β -delayed $E\gamma$, Ep. $^{58}\text{Zn}(\beta^+)$ [from Nb(p, X), E=1.4 GeV]; measured $E\gamma$, $I\gamma$, $\beta\gamma$ -coin, $T_{1/2}$. ^{58}Cu deduced levels, β -feeding intensities. $^{81m}\text{Kr}(\text{EC})$, (IT); ^{81}Y , ^{81}Sr , ^{85}Nb , ^{85}Zr , ^{86}Mo , $^{86}\text{Nb}(\text{EC})$ [from Ni, $^{54}\text{Fe}(^{32}\text{S}, \text{X})$]; measured $E\gamma$, $I\gamma$, E(ce), I(ce), $T_{1/2}$. ^{81}Kr , ^{85}Zr , ^{85}Nb deduced isomeric transitions $T_{1/2}$, ICC. ^{85}Zr , ^{86}Nb deduced levels, J, π , ICC. ^{81}Br deduced neutrino capture rate. Mass-separated sources. JOUR ZAANE 25 s01 129
- ^{81}Rb 2004KA68 NUCLEAR REACTIONS $^{85}\text{Rb}(\text{p}, \text{np})$, (p, 2np), (p, 3np), (p, 4np), E \approx 17-100 MeV; measured excitation functions. Activation technique, comparison with model predictions. JOUR RAACA 92 449
- 2005KA39 RADIOACTIVITY $^{81m}\text{Kr}(\text{EC})$, (IT); ^{81}Y , ^{81}Sr , ^{85}Nb , ^{85}Zr , ^{86}Mo , $^{86}\text{Nb}(\text{EC})$ [from Ni, $^{54}\text{Fe}(^{32}\text{S}, \text{X})$]; measured $E\gamma$, $I\gamma$, E(ce), I(ce), $T_{1/2}$. ^{81}Kr , ^{85}Zr , ^{85}Nb deduced isomeric transitions $T_{1/2}$, ICC. ^{85}Zr , ^{86}Nb deduced levels, J, π , ICC. ^{81}Br deduced neutrino capture rate. Astrophysical implications discussed. JOUR ZAANE 25 355
- 2005KA46 RADIOACTIVITY $^{31}\text{Cl}(\beta^+\text{p})$ [from S(p, X), E=40 MeV]; measured β -delayed $E\gamma$, Ep. $^{58}\text{Zn}(\beta^+)$ [from Nb(p, X), E=1.4 GeV]; measured $E\gamma$, $I\gamma$, $\beta\gamma$ -coin, $T_{1/2}$. ^{58}Cu deduced levels, β -feeding intensities. $^{81m}\text{Kr}(\text{EC})$, (IT); ^{81}Y , ^{81}Sr , ^{85}Nb , ^{85}Zr , ^{86}Mo , $^{86}\text{Nb}(\text{EC})$ [from Ni, $^{54}\text{Fe}(^{32}\text{S}, \text{X})$]; measured $E\gamma$, $I\gamma$, E(ce), I(ce), $T_{1/2}$. ^{81}Kr , ^{85}Zr , ^{85}Nb deduced isomeric transitions $T_{1/2}$, ICC. ^{85}Zr , ^{86}Nb deduced levels, J, π , ICC. ^{81}Br deduced neutrino capture rate. Mass-separated sources. JOUR ZAANE 25 s01 129
- ^{81}Sr 2005KA39 RADIOACTIVITY $^{81m}\text{Kr}(\text{EC})$, (IT); ^{81}Y , ^{81}Sr , ^{85}Nb , ^{85}Zr , ^{86}Mo , $^{86}\text{Nb}(\text{EC})$ [from Ni, $^{54}\text{Fe}(^{32}\text{S}, \text{X})$]; measured $E\gamma$, $I\gamma$, E(ce), I(ce), $T_{1/2}$. ^{81}Kr , ^{85}Zr , ^{85}Nb deduced isomeric transitions $T_{1/2}$, ICC. ^{85}Zr , ^{86}Nb deduced levels, J, π , ICC. ^{81}Br deduced neutrino capture rate. Astrophysical implications discussed. JOUR ZAANE 25 355
- 2005KA39 NUCLEAR REACTIONS $^{54}\text{Fe}(^{32}\text{S}, \text{X})^{81}\text{Zr} / ^{81}\text{Y} / ^{81}\text{Sr} / ^{81m}\text{Kr}$, E=150-170 MeV; Ni($^{32}\text{S}, \text{X}$) $^{85}\text{Nb} / ^{85m}\text{Nb} / ^{85}\text{Zr} / ^{85m}\text{Zr} / ^{86}\text{Mo} / ^{86}\text{Nb}$, E=150-170 MeV; measured yields. JOUR ZAANE 25 355

A=81 (continued)

- 2005KA46 RADIOACTIVITY $^{31}\text{Cl}(\beta^+p)$ [from $\text{S}(p, X)$, $E=40$ MeV]; measured β -delayed $E\gamma$, Ep. $^{58}\text{Zn}(\beta^+)$ [from $\text{Nb}(p, X)$, $E=1.4$ GeV]; measured $E\gamma$, $I\gamma$, $\beta\gamma$ -coin, $T_{1/2}$. ^{58}Cu deduced levels, β -feeding intensities. $^{81m}\text{Kr}(\text{EC})$, (IT); ^{81}Y , ^{81}Sr , ^{85}Nb , ^{85}Zr , ^{86}Mo , $^{86}\text{Nb}(\text{EC})$ [from Ni , $^{54}\text{Fe}(^{32}\text{S}, X)$]; measured $E\gamma$, $I\gamma$, $E(\text{ce})$, $I(\text{ce})$, $T_{1/2}$. ^{81}Kr , ^{85}Zr , ^{85}Nb deduced isomeric transitions $T_{1/2}$, ICC. ^{85}Zr , ^{86}Nb deduced levels, J , π , ICC. ^{81}Br deduced neutrino capture rate. Mass-separated sources. JOUR ZAANE 25 s01 129
- 2005SI34 ATOMIC MASSES $^{76,77,80,81,86,88}\text{Sr}$, $^{124,129,130,131,132}\text{Sn}$; measured masses. Penning trap mass spectrometer, comparison with previous results. JOUR NUPAB 763 45
- ^{81}Y 2005KA39 RADIOACTIVITY $^{81m}\text{Kr}(\text{EC})$, (IT); ^{81}Y , ^{81}Sr , ^{85}Nb , ^{85}Zr , ^{86}Mo , $^{86}\text{Nb}(\text{EC})$ [from Ni , $^{54}\text{Fe}(^{32}\text{S}, X)$]; measured $E\gamma$, $I\gamma$, $E(\text{ce})$, $I(\text{ce})$, $T_{1/2}$. ^{81}Kr , ^{85}Zr , ^{85}Nb deduced isomeric transitions $T_{1/2}$, ICC. ^{85}Zr , ^{86}Nb deduced levels, J , π , ICC. ^{81}Br deduced neutrino capture rate. Astrophysical implications discussed. JOUR ZAANE 25 355
- 2005KA39 NUCLEAR REACTIONS $^{54}\text{Fe}(^{32}\text{S}, X)^{81}\text{Zr} / ^{81}\text{Y} / ^{81}\text{Sr} / ^{81m}\text{Kr}$, $E=150-170$ MeV; $\text{Ni}(^{32}\text{S}, X)^{85}\text{Nb} / ^{85m}\text{Nb} / ^{85}\text{Zr} / ^{85m}\text{Zr} / ^{86}\text{Mo} / ^{86}\text{Nb}$, $E=150-170$ MeV; measured yields. JOUR ZAANE 25 355
- 2005KA46 RADIOACTIVITY $^{31}\text{Cl}(\beta^+p)$ [from $\text{S}(p, X)$, $E=40$ MeV]; measured β -delayed $E\gamma$, Ep. $^{58}\text{Zn}(\beta^+)$ [from $\text{Nb}(p, X)$, $E=1.4$ GeV]; measured $E\gamma$, $I\gamma$, $\beta\gamma$ -coin, $T_{1/2}$. ^{58}Cu deduced levels, β -feeding intensities. $^{81m}\text{Kr}(\text{EC})$, (IT); ^{81}Y , ^{81}Sr , ^{85}Nb , ^{85}Zr , ^{86}Mo , $^{86}\text{Nb}(\text{EC})$ [from Ni , $^{54}\text{Fe}(^{32}\text{S}, X)$]; measured $E\gamma$, $I\gamma$, $E(\text{ce})$, $I(\text{ce})$, $T_{1/2}$. ^{81}Kr , ^{85}Zr , ^{85}Nb deduced isomeric transitions $T_{1/2}$, ICC. ^{85}Zr , ^{86}Nb deduced levels, J , π , ICC. ^{81}Br deduced neutrino capture rate. Mass-separated sources. JOUR ZAANE 25 s01 129
- ^{81}Zr 2005KA39 NUCLEAR REACTIONS $^{54}\text{Fe}(^{32}\text{S}, X)^{81}\text{Zr} / ^{81}\text{Y} / ^{81}\text{Sr} / ^{81m}\text{Kr}$, $E=150-170$ MeV; $\text{Ni}(^{32}\text{S}, X)^{85}\text{Nb} / ^{85m}\text{Nb} / ^{85}\text{Zr} / ^{85m}\text{Zr} / ^{86}\text{Mo} / ^{86}\text{Nb}$, $E=150-170$ MeV; measured yields. JOUR ZAANE 25 355

A=82

- ^{82}Ge 2005GA56 NUCLEAR REACTIONS $^{238}\text{U}(^{82}\text{Se}, X)$, $E=505$ MeV; $^{238}\text{U}(^{64}\text{Ni}, X)$, $E=400$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (fragment) γ -coin, projectile-like fragments isotopic yields. ^{58}Cr , ^{80}As , ^{82}Ge , ^{84}Se deduced levels, J , π . Clara array, Prisma spectrometer. JOUR ZAANE 25 s01 421
- 2005IW03 NUCLEAR REACTIONS $\text{Pb}(^{76}\text{Ge}, ^{76}\text{Ge}')$, $(^{78}\text{Ge}, ^{78}\text{Ge}')$, $(^{80}\text{Ge}, ^{80}\text{Ge}')$, $(^{82}\text{Ge}, ^{82}\text{Ge}')$, $E \approx 40$ MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. $^{76,78,80,82}\text{Ge}$ deduced transitions $B(E2)$. JOUR ZAANE 25 s01 415
- ^{82}Se 2005AR27 RADIOACTIVITY ^{82}Se , $^{100}\text{Mo}(2\beta^-)$; measured $2\nu\beta\beta$ -decay $T_{1/2}$, $0\nu\beta\beta$ -decay $T_{1/2}$ lower limits; deduced neutrino mass limits. JOUR PRLTA 95 182302
- ^{82}Kr 2005AR27 RADIOACTIVITY ^{82}Se , $^{100}\text{Mo}(2\beta^-)$; measured $2\nu\beta\beta$ -decay $T_{1/2}$, $0\nu\beta\beta$ -decay $T_{1/2}$ lower limits; deduced neutrino mass limits. JOUR PRLTA 95 182302

A=82 (continued)

- 2005SC26 ATOMIC MASSES ^{78,80,82,83,84,86}Kr; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 51
- ⁸²Rb 2004KA68 NUCLEAR REACTIONS ⁸⁵Rb(p, np), (p, 2np), (p, 3np), (p, 4np), E ≈ 17-100 MeV; measured excitation functions. Activation technique, comparison with model predictions. JOUR RAACA 92 449
- 2005GU37 ATOMIC MASSES ^{56,57}Mn, ^{82m}Rb, ⁹²Sr, ^{124,127}Cs, ¹³⁰Ba; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 35

A=83

- ⁸³Ga 2004VE14 RADIOACTIVITY ⁸³Ga, ⁸¹Zn(β^-) [from U(d, X)]; measured E γ , I γ , $\gamma\gamma$ -, $\beta\gamma$ -coin, T_{1/2}. ⁸¹Ga, ⁸³As deduced levels. JOUR BJPHE 34 979
- ⁸³Ge 2004VE14 RADIOACTIVITY ⁸³Ga, ⁸¹Zn(β^-) [from U(d, X)]; measured E γ , I γ , $\gamma\gamma$ -, $\beta\gamma$ -coin, T_{1/2}. ⁸¹Ga, ⁸³As deduced levels. JOUR BJPHE 34 979
- 2005CI07 NUCLEAR REACTIONS ²H(⁸²Ge, p), (⁸⁴Se, p), E=4 MeV / nucleon; measured E_p, $\sigma(\theta)$. ⁸³Ge, ⁸⁵Se deduced ground and excited states energies, J, π . JOUR NIMBE 241 200
- 2005TH12 NUCLEAR REACTIONS ²H(⁸²Ge, p), E=4 MeV / nucleon; ²H(⁸⁴Se, p), E=4.5 MeV / nucleon; measured E_p, recoil particle spectrum, proton angular distribution. ⁸³Ge, ⁸⁵Se deduced levels J, π , spectroscopic factors. DWBA analysis. JOUR ZAANE 25 s01 371
- ⁸³As 2004VE14 RADIOACTIVITY ⁸³Ga, ⁸¹Zn(β^-) [from U(d, X)]; measured E γ , I γ , $\gamma\gamma$ -, $\beta\gamma$ -coin, T_{1/2}. ⁸¹Ga, ⁸³As deduced levels. JOUR BJPHE 34 979
- ⁸³Kr 2005SC26 ATOMIC MASSES ^{78,80,82,83,84,86}Kr; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 51
- ⁸³Rb 2004KA68 NUCLEAR REACTIONS ⁸⁵Rb(p, np), (p, 2np), (p, 3np), (p, 4np), E ≈ 17-100 MeV; measured excitation functions. Activation technique, comparison with model predictions. JOUR RAACA 92 449
- ⁸³Sr 2005DU23 NUCLEAR REACTIONS Ge(¹⁸O, X)^{83m}Sr / ⁸³Y / ^{84m}Y / ^{88m}Y / ⁸⁵Zr / ⁸⁷Zr, E=82.8 GeV; ⁸⁴Se(¹⁸O, X)^{86m}Y / ⁸⁵Zr / ⁸⁷Nb / ^{87m}Nb / ⁸⁸Nb / ⁸⁸Mo, E=82.7 MeV; ¹²⁴Sn(⁵⁰Ti, X)^{168m}Lu / ¹⁶⁷Hf / ¹⁶⁸Hf, E=223.7 MeV; ¹¹⁶Sn(⁵⁰Ti, X)¹⁶²Tm / ¹⁶¹Yb / ¹⁶²Yb / ¹⁶³Yb / ¹⁶²Lu / ¹⁶²Hf, E=224.4 MeV; measured delayed E γ , I γ following residual nucleus decay. Physical preseparation technique. JOUR NIMAE 551 528
- ⁸³Y 2005DU23 NUCLEAR REACTIONS Ge(¹⁸O, X)^{83m}Sr / ⁸³Y / ^{84m}Y / ^{88m}Y / ⁸⁵Zr / ⁸⁷Zr, E=82.8 GeV; ⁸⁴Se(¹⁸O, X)^{86m}Y / ⁸⁵Zr / ⁸⁷Nb / ^{87m}Nb / ⁸⁸Nb / ⁸⁸Mo, E=82.7 MeV; ¹²⁴Sn(⁵⁰Ti, X)^{168m}Lu / ¹⁶⁷Hf / ¹⁶⁸Hf, E=223.7 MeV; ¹¹⁶Sn(⁵⁰Ti, X)¹⁶²Tm / ¹⁶¹Yb / ¹⁶²Yb / ¹⁶³Yb / ¹⁶²Lu / ¹⁶²Hf, E=224.4 MeV; measured delayed E γ , I γ following residual nucleus decay. Physical preseparation technique. JOUR NIMAE 551 528

A=84

- ⁸⁴Se 2005GA56 NUCLEAR REACTIONS ²³⁸U(⁸²Se, X), E=505 MeV; ²³⁸U(⁶⁴Ni, X), E=400 MeV; measured E γ , I γ , $\gamma\gamma$ -, (fragment) γ -coin, projectile-like fragments isotopic yields. ⁵⁸Cr, ⁸⁰As, ⁸²Ge, ⁸⁴Se deduced levels, J, π . Clara array, Prisma spectrometer. JOUR ZAANE 25 s01 421
- ⁸⁴Kr 2005SC26 ATOMIC MASSES ^{78,80,82,83,84,86}Kr; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 51
- ⁸⁴Rb 2004KA68 NUCLEAR REACTIONS ⁸⁵Rb(p, np), (p, 2np), (p, 3np), (p, 4np), E \approx 17-100 MeV; measured excitation functions. Activation technique, comparison with model predictions. JOUR RAACA 92 449
- ⁸⁴Y 2005DU23 NUCLEAR REACTIONS Ge(¹⁸O, X)^{83m}Sr / ⁸³Y / ^{84m}Y / ^{88m}Y / ⁸⁵Zr / ⁸⁷Zr, E=82.8 GeV; ⁸⁴Se(¹⁸O, X)^{86m}Y / ⁸⁵Zr / ⁸⁷Nb / ^{87m}Nb / ⁸⁸Nb / ⁸⁸Mo, E=82.7 MeV; ¹²⁴Sn(⁵⁰Ti, X)^{168m}Lu / ¹⁶⁷Hf / ¹⁶⁸Hf, E=223.7 MeV; ¹¹⁶Sn(⁵⁰Ti, X)¹⁶²Tm / ¹⁶¹Yb / ¹⁶²Yb / ¹⁶³Yb / ¹⁶²Lu / ¹⁶²Hf, E=224.4 MeV; measured delayed E γ , I γ following residual nucleus decay. Physical preseparation technique. JOUR NIMAE 551 528
- 2005I002 NUCLEAR REACTIONS ⁸⁴Sr(p, n), E=13.5 MeV; measured E γ , I γ (θ , H, t). ⁸⁴Y deduced levels, J, π , configurations, g factors, isomeric states T_{1/2}. Time-differential perturbed angular distribution method. JOUR PRVCA 72 044313

A=85

- ⁸⁵Se 2005CI07 NUCLEAR REACTIONS ²H(⁸²Ge, p), (⁸⁴Se, p), E=4 MeV / nucleon; measured E_p, σ (θ). ⁸³Ge, ⁸⁵Se deduced ground and excited states energies, J, π . JOUR NIMBE 241 200
- 2005TH12 NUCLEAR REACTIONS ²H(⁸²Ge, p), E=4 MeV / nucleon; ²H(⁸⁴Se, p), E=4.5 MeV / nucleon; measured E_p, recoil particle spectrum, proton angular distribution. ⁸³Ge, ⁸⁵Se deduced levels J, π , spectroscopic factors. DWBA analysis. JOUR ZAANE 25 s01 371
- ⁸⁵Rb 2005KR15 NUCLEAR MOMENTS ^{85,87}Rb; measured excited-state hfs. Electromagnetically induced transparency. JOUR EULEE 72 221
- ⁸⁵Y 2005KA39 RADIOACTIVITY ^{81m}Kr(EC), (IT); ⁸¹Y, ⁸¹Sr, ⁸⁵Nb, ⁸⁵Zr, ⁸⁶Mo, ⁸⁶Nb(EC) [from Ni, ⁵⁴Fe(³²S, X)]; measured E γ , I γ , E(ce), I(ce), T_{1/2}. ⁸¹Kr, ⁸⁵Zr, ⁸⁵Nb deduced isomeric transitions T_{1/2}, ICC. ⁸⁵Zr, ⁸⁶Nb deduced levels, J, π , ICC. ⁸¹Br deduced neutrino capture rate. Astrophysical implications discussed. JOUR ZAANE 25 355
- 2005KA46 RADIOACTIVITY ³¹Cl(β^+ p) [from S(p, X), E=40 MeV]; measured β -delayed E γ , E_p. ⁵⁸Zn(β^+) [from Nb(p, X), E=1.4 GeV]; measured E γ , I γ , $\beta\gamma$ -coin, T_{1/2}. ⁵⁸Cu deduced levels, β -feeding intensities. ^{81m}Kr(EC), (IT); ⁸¹Y, ⁸¹Sr, ⁸⁵Nb, ⁸⁵Zr, ⁸⁶Mo, ⁸⁶Nb(EC) [from Ni, ⁵⁴Fe(³²S, X)]; measured E γ , I γ , E(ce), I(ce), T_{1/2}. ⁸¹Kr, ⁸⁵Zr, ⁸⁵Nb deduced isomeric transitions T_{1/2}, ICC. ⁸⁵Zr, ⁸⁶Nb deduced levels, J, π , ICC. ⁸¹Br deduced neutrino capture rate. Mass-separated sources. JOUR ZAANE 25 s01 129

A=85 (continued)

- ⁸⁵Zr 2005DU23 NUCLEAR REACTIONS Ge(¹⁸O, X)^{83m}Sr / ⁸³Y / ^{84m}Y / ^{88m}Y / ⁸⁵Zr / ⁸⁷Zr, E=82.8 GeV; ⁸⁴Se(¹⁸O, X)^{86m}Y / ⁸⁵Zr / ⁸⁷Nb / ^{87m}Nb / ⁸⁸Nb / ⁸⁸Mo, E=82.7 MeV; ¹²⁴Sn(⁵⁰Ti, X)^{168m}Lu / ¹⁶⁷Hf / ¹⁶⁸Hf, E=223.7 MeV; ¹¹⁶Sn(⁵⁰Ti, X)¹⁶²Tm / ¹⁶¹Yb / ¹⁶²Yb / ¹⁶³Yb / ¹⁶²Lu / ¹⁶²Hf, E=224.4 MeV; measured delayed E γ , I γ following residual nucleus decay. Physical pre-separation technique. JOUR NIMAE 551 528
- 2005KA39 RADIOACTIVITY ^{81m}Kr(EC), (IT); ⁸¹Y, ⁸¹Sr, ⁸⁵Nb, ⁸⁵Zr, ⁸⁶Mo, ⁸⁶Nb(EC) [from Ni, ⁵⁴Fe(³²S, X)]; measured E γ , I γ , E(ce), I(ce), T_{1/2}. ⁸¹Kr, ⁸⁵Zr, ⁸⁵Nb deduced isomeric transitions T_{1/2}, ICC. ⁸⁵Zr, ⁸⁶Nb deduced levels, J, π , ICC. ⁸¹Br deduced neutrino capture rate. Astrophysical implications discussed. JOUR ZAANE 25 355
- 2005KA46 RADIOACTIVITY ³¹Cl(β^+ p) [from S(p, X), E=40 MeV]; measured β -delayed E γ , Ep. ⁵⁸Zn(β^+) [from Nb(p, X), E=1.4 GeV]; measured E γ , I γ , $\beta\gamma$ -coin, T_{1/2}. ⁵⁸Cu deduced levels, β -feeding intensities. ^{81m}Kr(EC), (IT); ⁸¹Y, ⁸¹Sr, ⁸⁵Nb, ⁸⁵Zr, ⁸⁶Mo, ⁸⁶Nb(EC) [from Ni, ⁵⁴Fe(³²S, X)]; measured E γ , I γ , E(ce), I(ce), T_{1/2}. ⁸¹Kr, ⁸⁵Zr, ⁸⁵Nb deduced isomeric transitions T_{1/2}, ICC. ⁸⁵Zr, ⁸⁶Nb deduced levels, J, π , ICC. ⁸¹Br deduced neutrino capture rate. Mass-separated sources. JOUR ZAANE 25 s01 129
- ⁸⁵Nb 2005KA39 RADIOACTIVITY ^{81m}Kr(EC), (IT); ⁸¹Y, ⁸¹Sr, ⁸⁵Nb, ⁸⁵Zr, ⁸⁶Mo, ⁸⁶Nb(EC) [from Ni, ⁵⁴Fe(³²S, X)]; measured E γ , I γ , E(ce), I(ce), T_{1/2}. ⁸¹Kr, ⁸⁵Zr, ⁸⁵Nb deduced isomeric transitions T_{1/2}, ICC. ⁸⁵Zr, ⁸⁶Nb deduced levels, J, π , ICC. ⁸¹Br deduced neutrino capture rate. Astrophysical implications discussed. JOUR ZAANE 25 355
- 2005KA39 NUCLEAR REACTIONS ⁵⁴Fe(³²S, X)⁸¹Zr / ⁸¹Y / ⁸¹Sr / ^{81m}Kr, E=150-170 MeV; Ni(³²S, X)⁸⁵Nb / ^{85m}Nb / ^{85Zr} / ^{85m}Zr / ⁸⁶Mo / ⁸⁶Nb, E=150-170 MeV; measured yields. JOUR ZAANE 25 355
- 2005KA46 RADIOACTIVITY ³¹Cl(β^+ p) [from S(p, X), E=40 MeV]; measured β -delayed E γ , Ep. ⁵⁸Zn(β^+) [from Nb(p, X), E=1.4 GeV]; measured E γ , I γ , $\beta\gamma$ -coin, T_{1/2}. ⁵⁸Cu deduced levels, β -feeding intensities. ^{81m}Kr(EC), (IT); ⁸¹Y, ⁸¹Sr, ⁸⁵Nb, ⁸⁵Zr, ⁸⁶Mo, ⁸⁶Nb(EC) [from Ni, ⁵⁴Fe(³²S, X)]; measured E γ , I γ , E(ce), I(ce), T_{1/2}. ⁸¹Kr, ⁸⁵Zr, ⁸⁵Nb deduced isomeric transitions T_{1/2}, ICC. ⁸⁵Zr, ⁸⁶Nb deduced levels, J, π , ICC. ⁸¹Br deduced neutrino capture rate. Mass-separated sources. JOUR ZAANE 25 s01 129

A=86

- ⁸⁶Kr 2005SC26 ATOMIC MASSES ^{78,80,82,83,84,86}Kr; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 51
- ⁸⁶Sr 2005SI34 ATOMIC MASSES ^{76,77,80,81,86,88}Sr, ^{124,129,130,131,132}Sn; measured masses. Penning trap mass spectrometer, comparison with previous results. JOUR NUPAB 763 45

A=86 (continued)

- ⁸⁶Y 2005DU23 NUCLEAR REACTIONS Ge(¹⁸O, X)^{83m}Sr / ⁸³Y / ^{84m}Y / ^{88m}Y / ⁸⁵Zr / ⁸⁷Zr, E=82.8 GeV; ⁸⁴Se(¹⁸O, X)^{86m}Y / ⁸⁵Zr / ⁸⁷Nb / ^{87m}Nb / ⁸⁸Nb / ⁸⁸Mo, E=82.7 MeV; ¹²⁴Sn(⁵⁰Ti, X)^{168m}Lu / ¹⁶⁷Hf / ¹⁶⁸Hf, E=223.7 MeV; ¹¹⁶Sn(⁵⁰Ti, X)¹⁶²Tm / ¹⁶¹Yb / ¹⁶²Yb / ¹⁶³Yb / ¹⁶²Lu / ¹⁶²Hf, E=224.4 MeV; measured delayed E γ , I γ following residual nucleus decay. Physical pre-separation technique. JOUR NIMAE 551 528
- ⁸⁶Zr 2005BI25 NUCLEAR MOMENTS ^{86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102}Zr; measured charge radii. ¹⁷⁶Yb; measured isomer shift. Ion-beam cooler, laser spectroscopy. JOUR ZAANE 25 s01 187
- 2005KA39 RADIOACTIVITY ^{81m}Kr(EC), (IT); ⁸¹Y, ⁸¹Sr, ⁸⁵Nb, ⁸⁵Zr, ⁸⁶Mo, ⁸⁶Nb(EC) [from Ni, ⁵⁴Fe(³²S, X)]; measured E γ , I γ , E(ce), I(ce), T_{1/2}. ⁸¹Kr, ⁸⁵Zr, ⁸⁵Nb deduced isomeric transitions T_{1/2}, ICC. ⁸⁵Zr, ⁸⁶Nb deduced levels, J, π , ICC. ⁸¹Br deduced neutrino capture rate. Astrophysical implications discussed. JOUR ZAANE 25 355
- 2005KA46 RADIOACTIVITY ³¹Cl(β^+ p) [from S(p, X), E=40 MeV]; measured β -delayed E γ , Ep. ⁵⁸Zn(β^+) [from Nb(p, X), E=1.4 GeV]; measured E γ , I γ , $\beta\gamma$ -coin, T_{1/2}. ⁵⁸Cu deduced levels, β -feeding intensities. ^{81m}Kr(EC), (IT); ⁸¹Y, ⁸¹Sr, ⁸⁵Nb, ⁸⁵Zr, ⁸⁶Mo, ⁸⁶Nb(EC) [from Ni, ⁵⁴Fe(³²S, X)]; measured E γ , I γ , E(ce), I(ce), T_{1/2}. ⁸¹Kr, ⁸⁵Zr, ⁸⁵Nb deduced isomeric transitions T_{1/2}, ICC. ⁸⁵Zr, ⁸⁶Nb deduced levels, J, π , ICC. ⁸¹Br deduced neutrino capture rate. Mass-separated sources. JOUR ZAANE 25 s01 129
- ⁸⁶Nb 2005KA39 RADIOACTIVITY ^{81m}Kr(EC), (IT); ⁸¹Y, ⁸¹Sr, ⁸⁵Nb, ⁸⁵Zr, ⁸⁶Mo, ⁸⁶Nb(EC) [from Ni, ⁵⁴Fe(³²S, X)]; measured E γ , I γ , E(ce), I(ce), T_{1/2}. ⁸¹Kr, ⁸⁵Zr, ⁸⁵Nb deduced isomeric transitions T_{1/2}, ICC. ⁸⁵Zr, ⁸⁶Nb deduced levels, J, π , ICC. ⁸¹Br deduced neutrino capture rate. Astrophysical implications discussed. JOUR ZAANE 25 355
- 2005KA46 RADIOACTIVITY ³¹Cl(β^+ p) [from S(p, X), E=40 MeV]; measured β -delayed E γ , Ep. ⁵⁸Zn(β^+) [from Nb(p, X), E=1.4 GeV]; measured E γ , I γ , $\beta\gamma$ -coin, T_{1/2}. ⁵⁸Cu deduced levels, β -feeding intensities. ^{81m}Kr(EC), (IT); ⁸¹Y, ⁸¹Sr, ⁸⁵Nb, ⁸⁵Zr, ⁸⁶Mo, ⁸⁶Nb(EC) [from Ni, ⁵⁴Fe(³²S, X)]; measured E γ , I γ , E(ce), I(ce), T_{1/2}. ⁸¹Kr, ⁸⁵Zr, ⁸⁵Nb deduced isomeric transitions T_{1/2}, ICC. ⁸⁵Zr, ⁸⁶Nb deduced levels, J, π , ICC. ⁸¹Br deduced neutrino capture rate. Mass-separated sources. JOUR ZAANE 25 s01 129
- ⁸⁶Mo 2005KA39 RADIOACTIVITY ^{81m}Kr(EC), (IT); ⁸¹Y, ⁸¹Sr, ⁸⁵Nb, ⁸⁵Zr, ⁸⁶Mo, ⁸⁶Nb(EC) [from Ni, ⁵⁴Fe(³²S, X)]; measured E γ , I γ , E(ce), I(ce), T_{1/2}. ⁸¹Kr, ⁸⁵Zr, ⁸⁵Nb deduced isomeric transitions T_{1/2}, ICC. ⁸⁵Zr, ⁸⁶Nb deduced levels, J, π , ICC. ⁸¹Br deduced neutrino capture rate. Astrophysical implications discussed. JOUR ZAANE 25 355
- 2005KA46 RADIOACTIVITY ³¹Cl(β^+ p) [from S(p, X), E=40 MeV]; measured β -delayed E γ , Ep. ⁵⁸Zn(β^+) [from Nb(p, X), E=1.4 GeV]; measured E γ , I γ , $\beta\gamma$ -coin, T_{1/2}. ⁵⁸Cu deduced levels, β -feeding intensities. ^{81m}Kr(EC), (IT); ⁸¹Y, ⁸¹Sr, ⁸⁵Nb, ⁸⁵Zr, ⁸⁶Mo, ⁸⁶Nb(EC) [from Ni, ⁵⁴Fe(³²S, X)]; measured E γ , I γ , E(ce), I(ce), T_{1/2}. ⁸¹Kr, ⁸⁵Zr, ⁸⁵Nb deduced isomeric transitions T_{1/2}, ICC. ⁸⁵Zr, ⁸⁶Nb deduced levels, J, π , ICC. ⁸¹Br deduced neutrino capture rate. Mass-separated sources. JOUR ZAANE 25 s01 129

A=87

- ⁸⁷Rb 2005KR15 NUCLEAR MOMENTS ^{85,87}Rb; measured excited-state hfs. Electromagnetically induced transparency. JOUR EULEE 72 221
- ⁸⁷Zr 2005BI25 NUCLEAR MOMENTS ^{86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102}Zr; measured charge radii. ¹⁷⁶Yb; measured isomer shift. Ion-beam cooler, laser spectroscopy. JOUR ZAANE 25 s01 187
- 2005DU23 NUCLEAR REACTIONS Ge(¹⁸O, X)^{83m}Sr / ⁸³Y / ^{84m}Y / ^{88m}Y / ⁸⁵Zr / ⁸⁷Zr, E=82.8 GeV; ⁸⁴Se(¹⁸O, X)^{86m}Y / ⁸⁵Zr / ⁸⁷Nb / ^{87m}Nb / ⁸⁸Nb / ⁸⁸Mo, E=82.7 MeV; ¹²⁴Sn(⁵⁰Ti, X)^{168m}Lu / ¹⁶⁷Hf / ¹⁶⁸Hf, E=223.7 MeV; ¹¹⁶Sn(⁵⁰Ti, X)¹⁶²Tm / ¹⁶¹Yb / ¹⁶²Yb / ¹⁶³Yb / ¹⁶²Lu / ¹⁶²Hf, E=224.4 MeV; measured delayed E γ , I γ following residual nucleus decay. Physical preseparation technique. JOUR NIMAE 551 528
- ⁸⁷Nb 2005DU23 NUCLEAR REACTIONS Ge(¹⁸O, X)^{83m}Sr / ⁸³Y / ^{84m}Y / ^{88m}Y / ⁸⁵Zr / ⁸⁷Zr, E=82.8 GeV; ⁸⁴Se(¹⁸O, X)^{86m}Y / ⁸⁵Zr / ⁸⁷Nb / ^{87m}Nb / ⁸⁸Nb / ⁸⁸Mo, E=82.7 MeV; ¹²⁴Sn(⁵⁰Ti, X)^{168m}Lu / ¹⁶⁷Hf / ¹⁶⁸Hf, E=223.7 MeV; ¹¹⁶Sn(⁵⁰Ti, X)¹⁶²Tm / ¹⁶¹Yb / ¹⁶²Yb / ¹⁶³Yb / ¹⁶²Lu / ¹⁶²Hf, E=224.4 MeV; measured delayed E γ , I γ following residual nucleus decay. Physical preseparation technique. JOUR NIMAE 551 528

A=88

- ⁸⁸Sr 2005GA44 NUCLEAR REACTIONS ²⁰⁸Pb(⁹⁰Zr, X)⁹⁰Zr / ⁹²Zr / ⁸⁸Sr, E=560 MeV; ²³⁸U(⁶⁴Ni, X)⁵⁸Cr, E=400 MeV; measured E γ , I γ , $\gamma\gamma$ -, (recoil) γ -coin. ⁵⁸Cr, ^{90,92}Zr, ⁸⁸Sr deduced transitions. Clara array, mass separator. JOUR JPGPE 31 S1443
- 2005SI34 ATOMIC MASSES ^{76,77,80,81,86,88}Sr, ^{124,129,130,131,132}Sn; measured masses. Penning trap mass spectrometer, comparison with previous results. JOUR NUPAB 763 45
- ⁸⁸Y 2005DU23 NUCLEAR REACTIONS Ge(¹⁸O, X)^{83m}Sr / ⁸³Y / ^{84m}Y / ^{88m}Y / ⁸⁵Zr / ⁸⁷Zr, E=82.8 GeV; ⁸⁴Se(¹⁸O, X)^{86m}Y / ⁸⁵Zr / ⁸⁷Nb / ^{87m}Nb / ⁸⁸Nb / ⁸⁸Mo, E=82.7 MeV; ¹²⁴Sn(⁵⁰Ti, X)^{168m}Lu / ¹⁶⁷Hf / ¹⁶⁸Hf, E=223.7 MeV; ¹¹⁶Sn(⁵⁰Ti, X)¹⁶²Tm / ¹⁶¹Yb / ¹⁶²Yb / ¹⁶³Yb / ¹⁶²Lu / ¹⁶²Hf, E=224.4 MeV; measured delayed E γ , I γ following residual nucleus decay. Physical preseparation technique. JOUR NIMAE 551 528
- ⁸⁸Zr 2005BI25 NUCLEAR MOMENTS ^{86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102}Zr; measured charge radii. ¹⁷⁶Yb; measured isomer shift. Ion-beam cooler, laser spectroscopy. JOUR ZAANE 25 s01 187
- 2005WA31 NUCLEAR REACTIONS ^{92,98,100}Mo(γ , γ'), E=13.2 MeV bremsstrahlung; measured E γ , I γ . ^{92,100}Mo, ¹⁹⁷Au(γ , n), ⁹²Mo(γ , p), (γ , α), E \approx 11.8-16.5 MeV bremsstrahlung; measured integrated σ . JOUR JPGPE 31 S1969

A=88 (continued)

- ⁸⁸Nb 2005DU23 NUCLEAR REACTIONS Ge(¹⁸O, X)^{83m}Sr / ⁸³Y / ^{84m}Y / ^{88m}Y / ⁸⁵Zr / ⁸⁷Zr, E=82.8 GeV; ⁸⁴Se(¹⁸O, X)^{86m}Y / ⁸⁵Zr / ⁸⁷Nb / ^{87m}Nb / ⁸⁸Nb / ⁸⁸Mo, E=82.7 MeV; ¹²⁴Sn(⁵⁰Ti, X)^{168m}Lu / ¹⁶⁷Hf / ¹⁶⁸Hf, E=223.7 MeV; ¹¹⁶Sn(⁵⁰Ti, X)¹⁶²Tm / ¹⁶¹Yb / ¹⁶²Yb / ¹⁶³Yb / ¹⁶²Lu / ¹⁶²Hf, E=224.4 MeV; measured delayed E γ , I γ following residual nucleus decay. Physical preseparation technique. JOUR NIMAE 551 528
- ⁸⁸Mo 2005DU23 NUCLEAR REACTIONS Ge(¹⁸O, X)^{83m}Sr / ⁸³Y / ^{84m}Y / ^{88m}Y / ⁸⁵Zr / ⁸⁷Zr, E=82.8 GeV; ⁸⁴Se(¹⁸O, X)^{86m}Y / ⁸⁵Zr / ⁸⁷Nb / ^{87m}Nb / ⁸⁸Nb / ⁸⁸Mo, E=82.7 MeV; ¹²⁴Sn(⁵⁰Ti, X)^{168m}Lu / ¹⁶⁷Hf / ¹⁶⁸Hf, E=223.7 MeV; ¹¹⁶Sn(⁵⁰Ti, X)¹⁶²Tm / ¹⁶¹Yb / ¹⁶²Yb / ¹⁶³Yb / ¹⁶²Lu / ¹⁶²Hf, E=224.4 MeV; measured delayed E γ , I γ following residual nucleus decay. Physical preseparation technique. JOUR NIMAE 551 528

A=89

- ⁸⁹Kr 2004GA60 NUCLEAR REACTIONS ²³⁷Np(γ , F)¹³⁵Xe / ¹³⁷Xe / ¹³⁸Xe / ¹³⁹Xe / ¹⁴⁰Xe / ¹⁴¹Xe / ¹⁴²Xe / ⁸⁹Kr / ⁹¹Kr / ⁹²Kr / ⁹³Kr, E=25 MeV
bremsstrahlung; measured fission yields, isotopic distribution parameters. Comparison with results from other targets. JOUR BRSPE 68 1298
- 2005GA50 NUCLEAR REACTIONS ²³⁷Np, ²⁴³Am(γ , F)¹³⁵Xe / ¹³⁷Xe / ¹³⁸Xe / ¹³⁹Xe / ¹⁴⁰Xe / ¹⁴¹Xe / ¹⁴²Xe / ⁸⁹Kr / ⁹¹Kr / ⁹²Kr / ⁹³Kr, E=25 MeV
bremsstrahlung; measured fission yields, isotopic distribution parameters. JOUR YAFIA 68 1475
- ⁸⁹Sr 2004SP06 NUCLEAR REACTIONS ^{64,67}Zn, ⁸⁹Y(n, p), E=14 MeV; measured σ . Comparison with results using fission neutrons. JOUR RAACA 92 183
- ⁸⁹Zr 2005BI25 NUCLEAR MOMENTS ^{86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102}Zr; measured charge radii. ¹⁷⁶Yb; measured isomer shift. Ion-beam cooler, laser spectroscopy. JOUR ZAANE 25 s01 187

A=90

- ⁹⁰Zr 2005BI25 NUCLEAR MOMENTS ^{86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102}Zr; measured charge radii. ¹⁷⁶Yb; measured isomer shift. Ion-beam cooler, laser spectroscopy. JOUR ZAANE 25 s01 187
- 2005C025 NUCLEAR REACTIONS ²⁰⁸Pb(⁴⁰Ca, ⁴²Ca), E=225 MeV; measured $\sigma(E, \theta)$. ⁴²Ca deduced excited states configurations. ²⁰⁸Pb(⁹⁰Zr, X), E=560 MeV; measured E γ , I γ , (fragment) γ -coin, isotopic yields for projectile-like fragments. ⁹⁰Zr deduced transitions. JOUR ZAANE 25 s01 427
- 2005GA44 NUCLEAR REACTIONS ²⁰⁸Pb(⁹⁰Zr, X)⁹⁰Zr / ⁹²Zr / ⁸⁸Sr, E=560 MeV; ²³⁸U(⁶⁴Ni, X)⁵⁸Cr, E=400 MeV; measured E γ , I γ , $\gamma\gamma$ -, (recoil) γ -coin. ⁵⁸Cr, ^{90,92}Zr, ⁸⁸Sr deduced transitions. Clara array, mass separator. JOUR JPGPE 31 S1443

A=90 (continued)

- 2005VA31 NUCLEAR REACTIONS $^{48}\text{Ti}(^{132}\text{Sn}, ^{132}\text{Sn}')$, E=470-495 MeV; $^{90}\text{Zr}(^{134}\text{Sn}, ^{134}\text{Sn}')$, E=400 MeV; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. $^{132,134}\text{Sn}$ deduced transitions B(E2). JOUR ZAANE 25 s01 391
- ^{90}Nb 2004ZH45 NUCLEAR REACTIONS $^{90,94}\text{Zr}(p, n)$, E=7-11 MeV; measured E_n , $\sigma(E, \theta)$, excitation functions. $^{90,94}\text{Nb}$ deduced level densities, shell effects. Optical-statistical analysis. JOUR BRSPE 68 1319
- 2005CH65 NUCLEAR REACTIONS $^{63}\text{Cu}(^{31}\text{P}, n3p)$, E=120, 125 MeV; measured prompt and delayed $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (recoil) γ -coin. ^{90}Nb deduced levels, J, π , configurations, isomeric states $T_{1/2}$, B(E2). Large-basis shell model calculations. JOUR PRVCA 72 054309
- 2005CU07 NUCLEAR REACTIONS $^{76}\text{Ge}(^{19}\text{F}, 5n)$, E=80 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{90}Nb deduced high-spin levels, J, π , configurations. Semi-empirical shell model calculations. JOUR PRVCA 72 044322
- ^{90}Mo 2005CL08 ATOMIC MASSES ^{64}Ge , ^{68}Se ; analyzed masses; deduced effective $T_{1/2}$. $^{90,91}\text{Mo}$, $^{90,91,92,93}\text{Tc}$, $^{93,94}\text{Ru}$, $^{94,95}\text{Rh}$, $^{104,105,106,107}\text{In}$, $^{104,105,107,108}\text{Sn}$, $^{107,108}\text{Sb}$; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629
- ^{90}Tc 2005CL08 ATOMIC MASSES ^{64}Ge , ^{68}Se ; analyzed masses; deduced effective $T_{1/2}$. $^{90,91}\text{Mo}$, $^{90,91,92,93}\text{Tc}$, $^{93,94}\text{Ru}$, $^{94,95}\text{Rh}$, $^{104,105,106,107}\text{In}$, $^{104,105,107,108}\text{Sn}$, $^{107,108}\text{Sb}$; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629

A=91

- ^{91}Kr 2004GA60 NUCLEAR REACTIONS $^{237}\text{Np}(\gamma, F)^{135}\text{Xe} / ^{137}\text{Xe} / ^{138}\text{Xe} / ^{139}\text{Xe} / ^{140}\text{Xe} / ^{141}\text{Xe} / ^{142}\text{Xe} / ^{89}\text{Kr} / ^{91}\text{Kr} / ^{92}\text{Kr} / ^{93}\text{Kr}$, E=25 MeV bremsstrahlung; measured fission yields, isotopic distribution parameters. Comparison with results from other targets. JOUR BRSPE 68 1298
- 2005GA50 NUCLEAR REACTIONS ^{237}Np , $^{243}\text{Am}(\gamma, F)^{135}\text{Xe} / ^{137}\text{Xe} / ^{138}\text{Xe} / ^{139}\text{Xe} / ^{140}\text{Xe} / ^{141}\text{Xe} / ^{142}\text{Xe} / ^{89}\text{Kr} / ^{91}\text{Kr} / ^{92}\text{Kr} / ^{93}\text{Kr}$, E=25 MeV bremsstrahlung; measured fission yields, isotopic distribution parameters. JOUR YAFIA 68 1475
- ^{91}Zr 2005BI25 NUCLEAR MOMENTS $^{86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102}\text{Zr}$; measured charge radii. ^{176}Yb ; measured isomer shift. Ion-beam cooler, laser spectroscopy. JOUR ZAANE 25 s01 187
- ^{91}Nb 2005WA31 NUCLEAR REACTIONS $^{92,98,100}\text{Mo}(\gamma, \gamma')$, E=13.2 MeV bremsstrahlung; measured $E\gamma$, $I\gamma$. $^{92,100}\text{Mo}$, $^{197}\text{Au}(\gamma, n)$, $^{92}\text{Mo}(\gamma, p)$, (γ, α) , E \approx 11.8-16.5 MeV bremsstrahlung; measured integrated σ . JOUR JPGPE 31 S1969
- ^{91}Mo 2005CL08 ATOMIC MASSES ^{64}Ge , ^{68}Se ; analyzed masses; deduced effective $T_{1/2}$. $^{90,91}\text{Mo}$, $^{90,91,92,93}\text{Tc}$, $^{93,94}\text{Ru}$, $^{94,95}\text{Rh}$, $^{104,105,106,107}\text{In}$, $^{104,105,107,108}\text{Sn}$, $^{107,108}\text{Sb}$; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629

A=91 (continued)

⁹¹Tc 2005CL08 ATOMIC MASSES ⁶⁴Ge, ⁶⁸Se; analyzed masses; deduced effective $T_{1/2}$. ^{90,91}Mo, ^{90,91,92,93}Tc, ^{93,94}Ru, ^{94,95}Rh, ^{104,105,106,107}In, ^{104,105,107,108}Sn, ^{107,108}Sb; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629

A=92

⁹²Kr 2004GA60 NUCLEAR REACTIONS ²³⁷Np(γ , F)¹³⁵Xe / ¹³⁷Xe / ¹³⁸Xe / ¹³⁹Xe / ¹⁴⁰Xe / ¹⁴¹Xe / ¹⁴²Xe / ⁸⁹Kr / ⁹¹Kr / ⁹²Kr / ⁹³Kr, E=25 MeV bremsstrahlung; measured fission yields, isotopic distribution parameters. Comparison with results from other targets. JOUR BRSPE 68 1298

2005GA50 NUCLEAR REACTIONS ²³⁷Np, ²⁴³Am(γ , F)¹³⁵Xe / ¹³⁷Xe / ¹³⁸Xe / ¹³⁹Xe / ¹⁴⁰Xe / ¹⁴¹Xe / ¹⁴²Xe / ⁸⁹Kr / ⁹¹Kr / ⁹²Kr / ⁹³Kr, E=25 MeV bremsstrahlung; measured fission yields, isotopic distribution parameters. JOUR YAFIA 68 1475

⁹²Sr 2005GU37 ATOMIC MASSES ^{56,57}Mn, ^{82m}Rb, ⁹²Sr, ^{124,127}Cs, ¹³⁰Ba; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 35

⁹²Zr 2005BI25 NUCLEAR MOMENTS ^{86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102}Zr; measured charge radii. ¹⁷⁶Yb; measured isomer shift. Ion-beam cooler, laser spectroscopy. JOUR ZAANE 25 s01 187

2005GA44 NUCLEAR REACTIONS ²⁰⁸Pb(⁹⁰Zr, X)⁹⁰Zr / ⁹²Zr / ⁸⁸Sr, E=560 MeV; ²³⁸U(⁶⁴Ni, X)⁵⁸Cr, E=400 MeV; measured E γ , I γ , $\gamma\gamma$ -, (recoil) γ -coin. ⁵⁸Cr, ^{90,92}Zr, ⁸⁸Sr deduced transitions. Clara array, mass separator. JOUR JPGPE 31 S1443

⁹²Mo 2005RUZZ NUCLEAR REACTIONS ^{92,98,100}Mo(γ , γ'), E=14 MeV bremsstrahlung; measured E γ , I γ . ^{92,98,100}Mo deduced dipole strength functions, resonance features. PREPRINT nucl-ex/0512027,12/20/2005

2005WA31 NUCLEAR REACTIONS ^{92,98,100}Mo(γ , γ'), E=13.2 MeV bremsstrahlung; measured E γ , I γ . ^{92,100}Mo, ¹⁹⁷Au(γ , n), ⁹²Mo(γ , p), (γ , α), E \approx 11.8-16.5 MeV bremsstrahlung; measured integrated σ . JOUR JPGPE 31 S1969

⁹²Tc 2005CL08 ATOMIC MASSES ⁶⁴Ge, ⁶⁸Se; analyzed masses; deduced effective $T_{1/2}$. ^{90,91}Mo, ^{90,91,92,93}Tc, ^{93,94}Ru, ^{94,95}Rh, ^{104,105,106,107}In, ^{104,105,107,108}Sn, ^{107,108}Sb; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629

A=93

⁹³Kr 2004GA60 NUCLEAR REACTIONS ²³⁷Np(γ , F)¹³⁵Xe / ¹³⁷Xe / ¹³⁸Xe / ¹³⁹Xe / ¹⁴⁰Xe / ¹⁴¹Xe / ¹⁴²Xe / ⁸⁹Kr / ⁹¹Kr / ⁹²Kr / ⁹³Kr, E=25 MeV bremsstrahlung; measured fission yields, isotopic distribution parameters. Comparison with results from other targets. JOUR BRSPE 68 1298

A=93 (continued)

- 2005GA50 NUCLEAR REACTIONS ^{237}Np , $^{243}\text{Am}(\gamma, \text{F})^{135}\text{Xe} / ^{137}\text{Xe} / ^{138}\text{Xe} / ^{139}\text{Xe} / ^{140}\text{Xe} / ^{141}\text{Xe} / ^{142}\text{Xe} / ^{89}\text{Kr} / ^{91}\text{Kr} / ^{92}\text{Kr} / ^{93}\text{Kr}$, E=25 MeV
bremsstrahlung; measured fission yields, isotopic distribution parameters. JOUR YAFIA 68 1475
- ^{93}Zr 2005BI25 NUCLEAR MOMENTS $^{86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102}\text{Zr}$;
measured charge radii. ^{176}Yb ; measured isomer shift. Ion-beam cooler,
laser spectroscopy. JOUR ZAANE 25 s01 187
- ^{93}Nb 2005MC13 NUCLEAR REACTIONS $^{93}\text{Nb}(n, n')$, E=1.5-2.6 MeV; $^{94}\text{Zr}(p, 2n)$,
E=11.5-19 MeV; measured $E\gamma$, $I\gamma$, DSA, branching ratios, excitation
functions. ^{93}Nb deduced levels J, π , $T_{1/2}$, mixed-symmetry states.
JOUR ZAANE 25 s01 377
- ^{93}Tc 2005CL08 ATOMIC MASSES ^{64}Ge , ^{68}Se ; analyzed masses; deduced effective
 $T_{1/2}$. $^{90,91}\text{Mo}$, $^{90,91,92,93}\text{Tc}$, $^{93,94}\text{Ru}$, $^{94,95}\text{Rh}$, $^{104,105,106,107}\text{In}$,
 $^{104,105,107,108}\text{Sn}$, $^{107,108}\text{Sb}$; measured masses. Penning trap,
astrophysical implications discussed. JOUR ZAANE 25 s01 629
- 2005NA43 RADIOACTIVITY $^{93m}\text{Tc}(\text{IT})$ [from $^{45}\text{Sc}(^{52}\text{Cr}, 2n2p)$]; measured γ -ray
anisotropies from oriented source; deduced parity-nonconserving matrix
element. JOUR ZAANE 25 s01 703
- ^{93}Ru 2005CL08 ATOMIC MASSES ^{64}Ge , ^{68}Se ; analyzed masses; deduced effective
 $T_{1/2}$. $^{90,91}\text{Mo}$, $^{90,91,92,93}\text{Tc}$, $^{93,94}\text{Ru}$, $^{94,95}\text{Rh}$, $^{104,105,106,107}\text{In}$,
 $^{104,105,107,108}\text{Sn}$, $^{107,108}\text{Sb}$; measured masses. Penning trap,
astrophysical implications discussed. JOUR ZAANE 25 s01 629

A=94

- ^{94}Zr 2005BI25 NUCLEAR MOMENTS $^{86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102}\text{Zr}$;
measured charge radii. ^{176}Yb ; measured isomer shift. Ion-beam cooler,
laser spectroscopy. JOUR ZAANE 25 s01 187
- ^{94}Nb 2004ZH45 NUCLEAR REACTIONS $^{90,94}\text{Zr}(p, n)$, E=7-11 MeV; measured E_n ,
 $\sigma(E, \theta)$, excitation functions. $^{90,94}\text{Nb}$ deduced level densities, shell
effects. Optical-statistical analysis. JOUR BRSPE 68 1319
- ^{94}Ru 2005CL08 ATOMIC MASSES ^{64}Ge , ^{68}Se ; analyzed masses; deduced effective
 $T_{1/2}$. $^{90,91}\text{Mo}$, $^{90,91,92,93}\text{Tc}$, $^{93,94}\text{Ru}$, $^{94,95}\text{Rh}$, $^{104,105,106,107}\text{In}$,
 $^{104,105,107,108}\text{Sn}$, $^{107,108}\text{Sb}$; measured masses. Penning trap,
astrophysical implications discussed. JOUR ZAANE 25 s01 629
- ^{94}Rh 2005CL08 ATOMIC MASSES ^{64}Ge , ^{68}Se ; analyzed masses; deduced effective
 $T_{1/2}$. $^{90,91}\text{Mo}$, $^{90,91,92,93}\text{Tc}$, $^{93,94}\text{Ru}$, $^{94,95}\text{Rh}$, $^{104,105,106,107}\text{In}$,
 $^{104,105,107,108}\text{Sn}$, $^{107,108}\text{Sb}$; measured masses. Penning trap,
astrophysical implications discussed. JOUR ZAANE 25 s01 629

A=95

- ^{95}Sr 2005HW06 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{95,97}\text{Sr}$, ^{99}Zr ,
 ^{108}Tc , $^{133,134}\text{Te}$, ^{137}Xe levels deduced $T_{1/2}$. Gammasphere array,
time-gated triple-coincidence method. JOUR ZAANE 25 s01 463

A=95 (continued)

- ⁹⁵Zr 2005BI25 NUCLEAR MOMENTS ^{86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102}Zr; measured charge radii. ¹⁷⁶Yb; measured isomer shift. Ion-beam cooler, laser spectroscopy. JOUR ZAANE 25 s01 187
- ⁹⁵Nb 2005RA30 NUCLEAR REACTIONS ⁹³Nb(t, p), E=12 MeV; measured E_p, σ(E, θ). ⁹⁵Nb deduced levels, J, π. Comparison with previous results and model predictions. JOUR PRVCA 72 054303
- ⁹⁵Rh 2005CL08 ATOMIC MASSES ⁶⁴Ge, ⁶⁸Se; analyzed masses; deduced effective T_{1/2}. ^{90,91}Mo, ^{90,91,92,93}Tc, ^{93,94}Ru, ^{94,95}Rh, ^{104,105,106,107}In, ^{104,105,107,108}Sn, ^{107,108}Sb; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629

A=96

- ⁹⁶Zr 2005BI25 NUCLEAR MOMENTS ^{86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102}Zr; measured charge radii. ¹⁷⁶Yb; measured isomer shift. Ion-beam cooler, laser spectroscopy. JOUR ZAANE 25 s01 187
- 2005SM08 RADIOACTIVITY ²⁵²Cf(SF); measured E_γ, I_γ(θ, H, t), γγ-coin. ^{96,100,102}Zr, ^{102,104,106,108}Mo, ^{106,108,110,112}Ru, ^{110,114,116}Pd levels deduced g factors, B(E2). Gammasphere array, time-integral perturbed angular correlation technique. Comparison with interacting boson model predictions. JOUR JPGPE 31 S1433

A=97

- ⁹⁷Sr 2005HW06 RADIOACTIVITY ²⁵²Cf(SF); measured E_γ, I_γ, γγ-coin. ^{95,97}Sr, ⁹⁹Zr, ¹⁰⁸Tc, ^{133,134}Te, ¹³⁷Xe levels deduced T_{1/2}. Gammasphere array, time-gated triple-coincidence method. JOUR ZAANE 25 s01 463
- ⁹⁷Zr 2005BI25 NUCLEAR MOMENTS ^{86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102}Zr; measured charge radii. ¹⁷⁶Yb; measured isomer shift. Ion-beam cooler, laser spectroscopy. JOUR ZAANE 25 s01 187
- ⁹⁷Rh 2005T015 NUCLEAR REACTIONS ⁹³Nb(¹²C, X)⁹⁷Rh / ⁹⁹Rh, E=55.7-77.5 MeV; ⁸⁹Y(¹⁶O, X)⁹⁹Rh, E=68-81 MeV; measured isomeric σ ratios following complete and incomplete fusion; deduced angular momentum transfer. Recoil catcher technique. JOUR PRAMC 64 1

A=98

- ⁹⁸Sr 2005F017 RADIOACTIVITY ²⁵²Cf(SF); measured E_γ, I_γ, γγ-coin. ⁹⁸Sr, ^{102,104}Zr, ¹³⁷Xe, ¹⁴³Ba, ¹⁵²Ce levels deduced T_{1/2}. Gammasphere array, time-gated triple-coincidence method. JOUR ZAANE 25 s01 465
- ⁹⁸Zr 2005BI25 NUCLEAR MOMENTS ^{86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102}Zr; measured charge radii. ¹⁷⁶Yb; measured isomer shift. Ion-beam cooler, laser spectroscopy. JOUR ZAANE 25 s01 187
- 2005J022 ATOMIC MASSES ^{98,99,100,101,102,103,104,105}Zr; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 27

A=98 (continued)

- ⁹⁸Mo 2005RUZZ NUCLEAR REACTIONS ^{92,98,100}Mo(γ , γ'), E=14 MeV
bremsstrahlung; measured E γ , I γ . ^{92,98,100}Mo deduced dipole strength
functions, resonance features. PREPRINT nucl-ex/0512027,12/20/2005
- 2005WA31 NUCLEAR REACTIONS ^{92,98,100}Mo(γ , γ'), E=13.2 MeV
bremsstrahlung; measured E γ , I γ . ^{92,100}Mo, ¹⁹⁷Au(γ , n), ⁹²Mo(γ , p),
(γ , α), E \approx 11.8-16.5 MeV bremsstrahlung; measured integrated σ .
JOUR JPGPE 31 S1969

A=99

- ⁹⁹Y 2005LH01 RADIOACTIVITY ⁹⁹Y(β^-); measured β -delayed E γ , I γ , $\gamma\gamma$ -coin;
deduced logft. ⁹⁹Zr deduced levels, J, π , configurations. Interacting
boson-fermion model calculations. JOUR PRVCA 72 034308
- 2005LU21 RADIOACTIVITY ²⁵²Cf(SF); measured E γ , I γ , $\gamma\gamma$ -coin. ^{99,101}Y,
^{101,105}Nb deduced levels, J, π , configurations, rotational bands, shape
transition features. Gammasphere array,
triaxial-rotor-plus-quasiparticle calculations. JOUR JPGPE 31 1303
- 2005LU24 RADIOACTIVITY ²⁵²Cf(SF); measured E γ , I γ , $\gamma\gamma$ -coin. ^{99,101}Y,
^{101,105}Nb deduced levels, J, π , configurations, deformation.
Gammasphere array, triaxial-rotor-plus-particle calculations. JOUR
ZAANE 25 s01 469
- ⁹⁹Zr 2005BI25 NUCLEAR MOMENTS ^{86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102}Zr;
measured charge radii. ¹⁷⁶Yb; measured isomer shift. Ion-beam cooler,
laser spectroscopy. JOUR ZAANE 25 s01 187
- 2005HW06 RADIOACTIVITY ²⁵²Cf(SF); measured E γ , I γ , $\gamma\gamma$ -coin. ^{95,97}Sr, ⁹⁹Zr,
¹⁰⁸Tc, ^{133,134}Te, ¹³⁷Xe levels deduced T_{1/2}. Gammasphere array,
time-gated triple-coincidence method. JOUR ZAANE 25 s01 463
- 2005J022 ATOMIC MASSES ^{98,99,100,101,102,103,104,105}Zr; measured masses.
Penning trap mass spectrometer. JOUR ZAANE 25 s01 27
- 2005LH01 RADIOACTIVITY ⁹⁹Y(β^-); measured β -delayed E γ , I γ , $\gamma\gamma$ -coin;
deduced logft. ⁹⁹Zr deduced levels, J, π , configurations. Interacting
boson-fermion model calculations. JOUR PRVCA 72 034308
- ⁹⁹Ru 2004R047 NUCLEAR REACTIONS ^{99,101}Ru(d, d'), E=13 MeV; measured σ (E,
 θ). ^{99,101}Ru levels deduced deformation lengths, Coulomb-nuclear
interference parameters. DWBA-deformed optical model analysis.
JOUR BJPHE 34 760
- ⁹⁹Rh 2005T015 NUCLEAR REACTIONS ⁹³Nb(¹²C, X)⁹⁷Rh / ⁹⁹Rh, E=55.7-77.5
MeV; ⁸⁹Y(¹⁶O, X)⁹⁹Rh, E=68-81 MeV; measured isomeric σ ratios
following complete and incomplete fusion; deduced angular momentum
transfer. Recoil catcher technique. JOUR PRAMC 64 1

A=100

- ¹⁰⁰Zr 2005BI25 NUCLEAR MOMENTS ^{86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102}Zr;
measured charge radii. ¹⁷⁶Yb; measured isomer shift. Ion-beam cooler,
laser spectroscopy. JOUR ZAANE 25 s01 187

A=100 (continued)

- 2005J022 ATOMIC MASSES ^{98,99,100,101,102,103,104,105}Zr; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 27
- 2005SM08 RADIOACTIVITY ²⁵²Cf(SF); measured $E\gamma$, $I\gamma(\theta, H, t)$, $\gamma\gamma$ -coin. ^{96,100,102}Zr, ^{102,104,106,108}Mo, ^{106,108,110,112}Ru, ^{110,114,116}Pd levels deduced g factors, B(E2). Gammasphere array, time-integral perturbed angular correlation technique. Comparison with interacting boson model predictions. JOUR JPGPE 31 S1433
- ¹⁰⁰Mo 2005AR27 RADIOACTIVITY ⁸²Se, ¹⁰⁰Mo($2\beta^-$); measured $2\nu\beta\beta$ -decay $T_{1/2}$, $0\nu\beta\beta$ -decay $T_{1/2}$ lower limits; deduced neutrino mass limits. JOUR PRLTA 95 182302
- 2005H0ZW RADIOACTIVITY ¹⁰⁰Mo($2\beta^-$); measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, $T_{1/2}$ for decay to excited states. ¹⁰⁰Ru levels deduced feeding intensities. PREPRINT nucl-ex/0512030,12/20/2005
- 2005RUZZ NUCLEAR REACTIONS ^{92,98,100}Mo(γ, γ'), E=14 MeV bremsstrahlung; measured $E\gamma$, $I\gamma$. ^{92,98,100}Mo deduced dipole strength functions, resonance features. PREPRINT nucl-ex/0512027,12/20/2005
- 2005WA31 NUCLEAR REACTIONS ^{92,98,100}Mo(γ, γ'), E=13.2 MeV bremsstrahlung; measured $E\gamma$, $I\gamma$. ^{92,100}Mo, ¹⁹⁷Au(γ, n), ⁹²Mo(γ, p), (γ, α), E \approx 11.8-16.5 MeV bremsstrahlung; measured integrated σ . JOUR JPGPE 31 S1969
- ¹⁰⁰Ru 2005AR27 RADIOACTIVITY ⁸²Se, ¹⁰⁰Mo($2\beta^-$); measured $2\nu\beta\beta$ -decay $T_{1/2}$, $0\nu\beta\beta$ -decay $T_{1/2}$ lower limits; deduced neutrino mass limits. JOUR PRLTA 95 182302
- 2005H0ZW RADIOACTIVITY ¹⁰⁰Mo($2\beta^-$); measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, $T_{1/2}$ for decay to excited states. ¹⁰⁰Ru levels deduced feeding intensities. PREPRINT nucl-ex/0512030,12/20/2005
- ¹⁰⁰In 2005KA47 RADIOACTIVITY ¹⁰²Sn(β^+) [from ⁵⁸Ni(⁵⁰Cr, X)]; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, $E\beta$, B(GT). ¹⁰²In levels deduced β -feeding intensities, log ft, hindrance factor. ¹⁰⁰Sn(β^+); analyzed data; deduced B(GT), hindrance factor. JOUR ZAANE 25 s01 135
- ¹⁰⁰Sn 2005KA47 RADIOACTIVITY ¹⁰²Sn(β^+) [from ⁵⁸Ni(⁵⁰Cr, X)]; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, $E\beta$, B(GT). ¹⁰²In levels deduced β -feeding intensities, log ft, hindrance factor. ¹⁰⁰Sn(β^+); analyzed data; deduced B(GT), hindrance factor. JOUR ZAANE 25 s01 135
- 2005KA47 NUCLEAR REACTIONS ⁵⁸Ni(⁵⁰Cr, X)¹⁰¹Sn / ¹⁰²Sn / ¹⁰³Sn / ¹⁰⁴Sn / ¹⁰⁵Sn, E \approx 5 MeV / nucleon; measured production σ . ⁵⁸Ni(⁵⁰Cr, X)¹⁰⁰Sn, E=5.8 MeV / nucleon; deduced approximate production σ . JOUR ZAANE 25 s01 135

A=101

- ¹⁰¹Y 2005LU21 RADIOACTIVITY ²⁵²Cf(SF); measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{99,101}Y, ^{101,105}Nb deduced levels, J, π , configurations, rotational bands, shape transition features. Gammasphere array, triaxial-rotor-plus-quasiparticle calculations. JOUR JPGPE 31 1303

A=101 (continued)

- 2005LU24 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{99,101}\text{Y}$, $^{101,105}\text{Nb}$ deduced levels, J , π , configurations, deformation. Gammasphere array, triaxial-rotor-plus-particle calculations. JOUR ZAANE 25 s01 469
- ^{101}Zr 2005BI25 NUCLEAR MOMENTS $^{86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102}\text{Zr}$; measured charge radii. ^{176}Yb ; measured isomer shift. Ion-beam cooler, laser spectroscopy. JOUR ZAANE 25 s01 187
- 2005J022 ATOMIC MASSES $^{98,99,100,101,102,103,104,105}\text{Zr}$; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 27
- ^{101}Nb 2005LU21 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{99,101}\text{Y}$, $^{101,105}\text{Nb}$ deduced levels, J , π , configurations, rotational bands, shape transition features. Gammasphere array, triaxial-rotor-plus-quasiparticle calculations. JOUR JPGPE 31 1303
- 2005LU24 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{99,101}\text{Y}$, $^{101,105}\text{Nb}$ deduced levels, J , π , configurations, deformation. Gammasphere array, triaxial-rotor-plus-particle calculations. JOUR ZAANE 25 s01 469
- ^{101}Ru 2004R047 NUCLEAR REACTIONS $^{99,101}\text{Ru}(\text{d}, \text{d}')$, $E=13$ MeV; measured $\sigma(E, \theta)$. $^{99,101}\text{Ru}$ levels deduced deformation lengths, Coulomb-nuclear interference parameters. DWBA-deformed optical model analysis. JOUR BJPHE 34 760
- ^{101}Sn 2005KA47 NUCLEAR REACTIONS $^{58}\text{Ni}(^{50}\text{Cr}, \text{X})^{101}\text{Sn} / ^{102}\text{Sn} / ^{103}\text{Sn} / ^{104}\text{Sn} / ^{105}\text{Sn}$, $E \approx 5$ MeV / nucleon; measured production σ . $^{58}\text{Ni}(^{50}\text{Cr}, \text{X})^{100}\text{Sn}$, $E=5.8$ MeV / nucleon; deduced approximate production σ . JOUR ZAANE 25 s01 135

A=102

- ^{102}Zr 2005BI25 NUCLEAR MOMENTS $^{86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102}\text{Zr}$; measured charge radii. ^{176}Yb ; measured isomer shift. Ion-beam cooler, laser spectroscopy. JOUR ZAANE 25 s01 187
- 2005F017 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{98}Sr , $^{102,104}\text{Zr}$, ^{137}Xe , ^{143}Ba , ^{152}Ce levels deduced $T_{1/2}$. Gammasphere array, time-gated triple-coincidence method. JOUR ZAANE 25 s01 465
- 2005J022 ATOMIC MASSES $^{98,99,100,101,102,103,104,105}\text{Zr}$; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 27
- 2005SM08 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma(\theta, \text{H}, \text{t})$, $\gamma\gamma$ -coin. $^{96,100,102}\text{Zr}$, $^{102,104,106,108}\text{Mo}$, $^{106,108,110,112}\text{Ru}$, $^{110,114,116}\text{Pd}$ levels deduced g factors, $B(E2)$. Gammasphere array, time-integral perturbed angular correlation technique. Comparison with interacting boson model predictions. JOUR JPGPE 31 S1433
- ^{102}Mo 2005SM08 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma(\theta, \text{H}, \text{t})$, $\gamma\gamma$ -coin. $^{96,100,102}\text{Zr}$, $^{102,104,106,108}\text{Mo}$, $^{106,108,110,112}\text{Ru}$, $^{110,114,116}\text{Pd}$ levels deduced g factors, $B(E2)$. Gammasphere array, time-integral perturbed angular correlation technique. Comparison with interacting boson model predictions. JOUR JPGPE 31 S1433

A=102 (continued)

- ^{102}In 2005KA47 RADIOACTIVITY $^{102}\text{Sn}(\beta^+)$ [from $^{58}\text{Ni}(^{50}\text{Cr}, \text{X})$]; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, $E\beta$, B(GT). ^{102}In levels deduced β -feeding intensities, log ft, hindrance factor. $^{100}\text{Sn}(\beta^+)$; analyzed data; deduced B(GT), hindrance factor. JOUR ZAANE 25 s01 135
- ^{102}Sn 2005HA57 RADIOACTIVITY $^{106}\text{Te}(\alpha)$ [from $^{54}\text{Fe}(^{54}\text{Fe}, 2n)$]; measured $E\alpha$, $T_{1/2}$. JOUR PRVCA 72 041303
- 2005KA47 RADIOACTIVITY $^{102}\text{Sn}(\beta^+)$ [from $^{58}\text{Ni}(^{50}\text{Cr}, \text{X})$]; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, $E\beta$, B(GT). ^{102}In levels deduced β -feeding intensities, log ft, hindrance factor. $^{100}\text{Sn}(\beta^+)$; analyzed data; deduced B(GT), hindrance factor. JOUR ZAANE 25 s01 135
- 2005KA47 NUCLEAR REACTIONS $^{58}\text{Ni}(^{50}\text{Cr}, \text{X})^{101}\text{Sn} / ^{102}\text{Sn} / ^{103}\text{Sn} / ^{104}\text{Sn} / ^{105}\text{Sn}$, $E \approx 5$ MeV / nucleon; measured production σ . $^{58}\text{Ni}(^{50}\text{Cr}, \text{X})^{100}\text{Sn}$, $E=5.8$ MeV / nucleon; deduced approximate production σ . JOUR ZAANE 25 s01 135

A=103

- ^{103}Zr 2005J022 ATOMIC MASSES $^{98,99,100,101,102,103,104,105}\text{Zr}$; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 27
- ^{103}Rh 2004AG09 NUCLEAR REACTIONS $^{103}\text{Rh}(n, n')^{103m}\text{Rh}$, $E \approx 4.8$ MeV; $^{115}\text{In}(n, n')^{115m}\text{In}$, $E \approx 5$ MeV; ^{232}Th , $^{238}\text{U}(n, F)$, $E \approx 5$ MeV; ^{24}Mg , ^{27}Al , $^{46,47,48}\text{Ti}$, $^{54,56}\text{Fe}$, ^{58}Ni , $^{64}\text{Zn}(n, p)$, $E \approx 2-8$ MeV; ^{27}Al , $^{59}\text{Co}(n, \alpha)$, $E \approx 8.3$ MeV; measured activation σ . Spectrum average technique, comparison with previous results. JOUR RAACA 92 63
- 2005CH62 NUCLEAR REACTIONS $^{103}\text{Rh}(\gamma, \gamma')$, $E \approx 40$ keV; measured $E\gamma$, X-ray spectra; deduced ICC. Isomer production via bremsstrahlung spectra. JOUR CPLEE 22 2530
- ^{103}Ag 2004HE35 NUCLEAR REACTIONS $\text{Pd}(p, xn)^{103}\text{Ag}$, $E \approx 15-37$ MeV; $\text{Pd}(d, xn)^{103}\text{Ag}$, $E \approx 5-20$ MeV; measured excitation functions. Stacked-foil activation technique. JOUR RAACA 92 215
- ^{103}In 2005KA48 RADIOACTIVITY $^{103}\text{Sn}(\beta^+)$, (EC) [from $^{58}\text{Ni}(^{50}\text{Cr}, \text{X})$, $E=5$ MeV / nucleon]; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, $\beta\gamma$ -coin, $E\beta$, B(GT), $T_{1/2}$. ^{103}In deduced levels, J , π , hindrance factor. $^{105}\text{Sn}(\beta^+)$, (EC) [from $^{58}\text{Ni}(^{50}\text{Cr}, \text{X})$, $E=5$ MeV / nucleon]; analyzed data; deduced B(GT), hindrance factor. JOUR ZAANE 25 s01 139
- ^{103}Sn 2005KA47 NUCLEAR REACTIONS $^{58}\text{Ni}(^{50}\text{Cr}, \text{X})^{101}\text{Sn} / ^{102}\text{Sn} / ^{103}\text{Sn} / ^{104}\text{Sn} / ^{105}\text{Sn}$, $E \approx 5$ MeV / nucleon; measured production σ . $^{58}\text{Ni}(^{50}\text{Cr}, \text{X})^{100}\text{Sn}$, $E=5.8$ MeV / nucleon; deduced approximate production σ . JOUR ZAANE 25 s01 135
- 2005KA48 RADIOACTIVITY $^{103}\text{Sn}(\beta^+)$, (EC) [from $^{58}\text{Ni}(^{50}\text{Cr}, \text{X})$, $E=5$ MeV / nucleon]; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, $\beta\gamma$ -coin, $E\beta$, B(GT), $T_{1/2}$. ^{103}In deduced levels, J , π , hindrance factor. $^{105}\text{Sn}(\beta^+)$, (EC) [from $^{58}\text{Ni}(^{50}\text{Cr}, \text{X})$, $E=5$ MeV / nucleon]; analyzed data; deduced B(GT), hindrance factor. JOUR ZAANE 25 s01 139

A=104

^{104}Zr	2005F017	RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{98}Sr , $^{102,104}\text{Zr}$, ^{137}Xe , ^{143}Ba , ^{152}Ce levels deduced $T_{1/2}$. Gammasphere array, time-gated triple-coincidence method. JOUR ZAANE 25 s01 465
	2005J022	ATOMIC MASSES $^{98,99,100,101,102,103,104,105}\text{Zr}$; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 27
^{104}Mo	2005SM08	RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma(\theta, H, t)$, $\gamma\gamma$ -coin. $^{96,100,102}\text{Zr}$, $^{102,104,106,108}\text{Mo}$, $^{106,108,110,112}\text{Ru}$, $^{110,114,116}\text{Pd}$ levels deduced g factors, B(E2). Gammasphere array, time-integral perturbed angular correlation technique. Comparison with interacting boson model predictions. JOUR JPGPE 31 S1433
^{104}Rh	2005WI23	NUCLEAR REACTIONS $^{100}\text{Mo}(^{11}\text{B}, \text{xny}\alpha)^{104}\text{Rh}$ / ^{105}Rh / ^{107}Pd / ^{108}Pd , E=43 MeV; $^{51}\text{V}(^{16}\text{O}, \text{xny}\alpha)^{60}\text{Ni}$ / ^{61}Ni / ^{61}Cu / ^{62}Cu , E=70 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (charged particle) γ -coin; deduced γ -ray yield ratios. Application to exit channel determination discussed. JOUR BJPHE 35 898
^{104}Pd	2004R048	NUCLEAR REACTIONS $^{104,106,108,110}\text{Pd}(d, d')$, E=13 MeV; measured $\sigma(E, \theta)$. $^{104,106,108,110}\text{Pd}$ levels deduced B(E2), deformation lengths, Coulomb-nuclear interference parameters. DWBA-deformed optical model analysis. JOUR BJPHE 34 777
	2005BEZS	NUCLEAR REACTIONS $^{108}\text{Pd}(^{122}\text{Cd}, ^{122}\text{Cd}')$, $^{104}\text{Pd}(^{124}\text{Cd}, ^{124}\text{Cd}')$, ($^{126}\text{Cd}, ^{126}\text{Cd}'$), E not given; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. $^{122,124}\text{Cd}$ levels deduced excitation B(E2). REPT MLL 2004 Annual,P14,Behrens
^{104}In	2005CL08	ATOMIC MASSES ^{64}Ge , ^{68}Se ; analyzed masses; deduced effective $T_{1/2}$. $^{90,91}\text{Mo}$, $^{90,91,92,93}\text{Tc}$, $^{93,94}\text{Ru}$, $^{94,95}\text{Rh}$, $^{104,105,106,107}\text{In}$, $^{104,105,107,108}\text{Sn}$, $^{107,108}\text{Sb}$; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629
^{104}Sn	2005CL08	ATOMIC MASSES ^{64}Ge , ^{68}Se ; analyzed masses; deduced effective $T_{1/2}$. $^{90,91}\text{Mo}$, $^{90,91,92,93}\text{Tc}$, $^{93,94}\text{Ru}$, $^{94,95}\text{Rh}$, $^{104,105,106,107}\text{In}$, $^{104,105,107,108}\text{Sn}$, $^{107,108}\text{Sb}$; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629
	2005KA47	NUCLEAR REACTIONS $^{58}\text{Ni}(^{50}\text{Cr}, X)^{101}\text{Sn}$ / ^{102}Sn / ^{103}Sn / ^{104}Sn / ^{105}Sn , E \approx 5 MeV / nucleon; measured production σ . $^{58}\text{Ni}(^{50}\text{Cr}, X)^{100}\text{Sn}$, E=5.8 MeV / nucleon; deduced approximate production σ . JOUR ZAANE 25 s01 135
	2005LI47	RADIOACTIVITY $^{105}\text{Sb}(p)$ [from $^{50}\text{Cr}(^{58}\text{Ni}, 2np)$]; measured Ep; deduced upper limit for proton decay branching ratio. JOUR PRVCA 72 047301

A=105

^{105}Zr	2005J022	ATOMIC MASSES $^{98,99,100,101,102,103,104,105}\text{Zr}$; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 27
^{105}Nb	2005LU21	RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{99,101}\text{Y}$, $^{101,105}\text{Nb}$ deduced levels, J, π , configurations, rotational bands, shape transition features. Gammasphere array, triaxial-rotor-plus-quasiparticle calculations. JOUR JPGPE 31 1303

A=105 (continued)

- 2005LU24 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured E_γ , I_γ , $\gamma\gamma$ -coin. $^{99,101}\text{Y}$, $^{101,105}\text{Nb}$ deduced levels, J, π , configurations, deformation. Gammasphere array, triaxial-rotor-plus-particle calculations. JOUR ZAANE 25 s01 469
- ^{105}Rh 2004AL43 NUCLEAR REACTIONS $^{100}\text{Mo}(^{11}\text{B}, 2n\alpha)$, E=43 MeV; measured E_γ , I_γ , $\gamma\gamma$ -, (charged particle) γ -coin. ^{105}Rh deduced levels, J, π , possible chiral bands. Tilted axis cranking model calculations. JOUR BJPHE 34 999
- 2005WI23 NUCLEAR REACTIONS $^{100}\text{Mo}(^{11}\text{B}, \text{xny}\alpha)^{104}\text{Rh} / ^{105}\text{Rh} / ^{107}\text{Pd} / ^{108}\text{Pd}$, E=43 MeV; $^{51}\text{V}(^{16}\text{O}, \text{xny}\alpha)^{60}\text{Ni} / ^{61}\text{Ni} / ^{61}\text{Cu} / ^{62}\text{Cu}$, E=70 MeV; measured E_γ , I_γ , $\gamma\gamma$ -, (charged particle) γ -coin; deduced γ -ray yield ratios. Application to exit channel determination discussed. JOUR BJPHE 35 898
- ^{105}Ag 2005HA56 NUCLEAR REACTIONS $^{104}\text{Pd}(\text{p}, \gamma)$, E(cm)=2-8 MeV; $^{118}\text{Sn}(\alpha, \gamma)$, E(cm)=10-11 MeV; measured E_γ , I_γ , σ . Comparison with model predictions. JOUR JPGPE 31 S1417
- ^{105}In 2005CL08 ATOMIC MASSES ^{64}Ge , ^{68}Se ; analyzed masses; deduced effective $T_{1/2}$. $^{90,91}\text{Mo}$, $^{90,91,92,93}\text{Tc}$, $^{93,94}\text{Ru}$, $^{94,95}\text{Rh}$, $^{104,105,106,107}\text{In}$, $^{104,105,107,108}\text{Sn}$, $^{107,108}\text{Sb}$; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629
- 2005KA48 RADIOACTIVITY $^{103}\text{Sn}(\beta^+)$, (EC) [from $^{58}\text{Ni}(^{50}\text{Cr}, \text{X})$, E=5 MeV / nucleon]; measured E_γ , I_γ , $\gamma\gamma$ -, $\beta\gamma$ -coin, $E\beta$, B(GT), $T_{1/2}$. ^{103}In deduced levels, J, π , hindrance factor. $^{105}\text{Sn}(\beta^+)$, (EC) [from $^{58}\text{Ni}(^{50}\text{Cr}, \text{X})$, E=5 MeV / nucleon]; analyzed data; deduced B(GT), hindrance factor. JOUR ZAANE 25 s01 139
- ^{105}Sn 2005CL08 ATOMIC MASSES ^{64}Ge , ^{68}Se ; analyzed masses; deduced effective $T_{1/2}$. $^{90,91}\text{Mo}$, $^{90,91,92,93}\text{Tc}$, $^{93,94}\text{Ru}$, $^{94,95}\text{Rh}$, $^{104,105,106,107}\text{In}$, $^{104,105,107,108}\text{Sn}$, $^{107,108}\text{Sb}$; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629
- 2005KA47 NUCLEAR REACTIONS $^{58}\text{Ni}(^{50}\text{Cr}, \text{X})^{101}\text{Sn} / ^{102}\text{Sn} / ^{103}\text{Sn} / ^{104}\text{Sn} / ^{105}\text{Sn}$, E \approx 5 MeV / nucleon; measured production σ . $^{58}\text{Ni}(^{50}\text{Cr}, \text{X})^{100}\text{Sn}$, E=5.8 MeV / nucleon; deduced approximate production σ . JOUR ZAANE 25 s01 135
- 2005KA48 RADIOACTIVITY $^{103}\text{Sn}(\beta^+)$, (EC) [from $^{58}\text{Ni}(^{50}\text{Cr}, \text{X})$, E=5 MeV / nucleon]; measured E_γ , I_γ , $\gamma\gamma$ -, $\beta\gamma$ -coin, $E\beta$, B(GT), $T_{1/2}$. ^{103}In deduced levels, J, π , hindrance factor. $^{105}\text{Sn}(\beta^+)$, (EC) [from $^{58}\text{Ni}(^{50}\text{Cr}, \text{X})$, E=5 MeV / nucleon]; analyzed data; deduced B(GT), hindrance factor. JOUR ZAANE 25 s01 139
- ^{105}Sb 2005LI47 NUCLEAR REACTIONS $^{50}\text{Cr}(^{58}\text{Ni}, 2\text{np})$, E=222, 255 MeV; measured delayed Ep. ^{105}Sb deduced upper limit for proton decay branching ratio. JOUR PRVCA 72 047301
- 2005LI47 RADIOACTIVITY $^{105}\text{Sb}(\text{p})$ [from $^{50}\text{Cr}(^{58}\text{Ni}, 2\text{np})$]; measured Ep; deduced upper limit for proton decay branching ratio. JOUR PRVCA 72 047301

A=106

- ¹⁰⁶Mo 2005SM08 RADIOACTIVITY ²⁵²Cf(SF); measured E γ , I γ (θ , H, t), $\gamma\gamma$ -coin. ^{96,100,102}Zr, ^{102,104,106,108}Mo, ^{106,108,110,112}Ru, ^{110,114,116}Pd levels deduced g factors, B(E2). Gammasphere array, time-integral perturbed angular correlation technique. Comparison with interacting boson model predictions. JOUR JPGPE 31 S1433
- 2005ZH36 RADIOACTIVITY ²⁵²Cf(SF); measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁰⁶Mo deduced high-spin levels, J, π , chiral vibrational bands. Gammasphere array, tilted-axis cranking model analysis. JOUR ZAANE 25 s01 459
- ¹⁰⁶Ru 2005SM08 RADIOACTIVITY ²⁵²Cf(SF); measured E γ , I γ (θ , H, t), $\gamma\gamma$ -coin. ^{96,100,102}Zr, ^{102,104,106,108}Mo, ^{106,108,110,112}Ru, ^{110,114,116}Pd levels deduced g factors, B(E2). Gammasphere array, time-integral perturbed angular correlation technique. Comparison with interacting boson model predictions. JOUR JPGPE 31 S1433
- ¹⁰⁶Pd 2004R048 NUCLEAR REACTIONS ^{104,106,108,110}Pd(d, d'), E=13 MeV; measured σ (E, θ). ^{104,106,108,110}Pd levels deduced B(E2), deformation lengths, Coulomb-nuclear interference parameters. DWBA-deformed optical model analysis. JOUR BJPHE 34 777
- ¹⁰⁶Ag 2005J020 NUCLEAR REACTIONS ¹⁰⁰Mo(¹⁰B, 4n), E=42 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁰⁶Ag deduced high-spin levels, J, π , configurations, possible triaxial rotation. Gammasphere array. JOUR JPGPE 31 S1895
- ¹⁰⁶In 2005CL08 ATOMIC MASSES ⁶⁴Ge, ⁶⁸Se; analyzed masses; deduced effective T_{1/2}. ^{90,91}Mo, ^{90,91,92,93}Tc, ^{93,94}Ru, ^{94,95}Rh, ^{104,105,106,107}In, ^{104,105,107,108}Sn, ^{107,108}Sb; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629
- ¹⁰⁶Te 2005HA57 NUCLEAR REACTIONS ⁵⁴Fe(⁵⁴Fe, 2n), E=182 MeV; measured E γ , I γ , (recoil) γ -coin; deduced σ . ¹⁰⁶Te deduced levels, possible vibrational excitation. Recoil-decay tagging, level systematics in Te isotopes discussed. JOUR PRVCA 72 041303
- 2005HA57 RADIOACTIVITY ¹⁰⁶Te(α) [from ⁵⁴Fe(⁵⁴Fe, 2n)]; measured E α , T_{1/2}. JOUR PRVCA 72 041303

A=107

- ¹⁰⁷Pd 2005WI23 NUCLEAR REACTIONS ¹⁰⁰Mo(¹¹B, xnypz α)¹⁰⁴Rh / ¹⁰⁵Rh / ¹⁰⁷Pd / ¹⁰⁸Pd, E=43 MeV; ⁵¹V(¹⁶O, xnypz α)⁶⁰Ni / ⁶¹Ni / ⁶¹Cu / ⁶²Cu, E=70 MeV; measured E γ , I γ , $\gamma\gamma$ -, (charged particle) γ -coin; deduced γ -ray yield ratios. Application to exit channel determination discussed. JOUR BJPHE 35 898
- ¹⁰⁷Cd 2005AN26 NUCLEAR REACTIONS ⁹⁸Mo(¹²C, 3n), E=60 MeV; measured Doppler-shifted E γ , I γ , $\gamma\gamma$ -coin. ¹⁰⁷Cd levels deduced T_{1/2}, B(E2). Recoil-distance method. JOUR JPGPE 31 S1563
- ¹⁰⁷In 2005CL08 ATOMIC MASSES ⁶⁴Ge, ⁶⁸Se; analyzed masses; deduced effective T_{1/2}. ^{90,91}Mo, ^{90,91,92,93}Tc, ^{93,94}Ru, ^{94,95}Rh, ^{104,105,106,107}In, ^{104,105,107,108}Sn, ^{107,108}Sb; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629

A=107 (continued)

- ^{107}Sn 2005CL08 ATOMIC MASSES ^{64}Ge , ^{68}Se ; analyzed masses; deduced effective $T_{1/2}$. $^{90,91}\text{Mo}$, $^{90,91,92,93}\text{Tc}$, $^{93,94}\text{Ru}$, $^{94,95}\text{Rh}$, $^{104,105,106,107}\text{In}$, $^{104,105,107,108}\text{Sn}$, $^{107,108}\text{Sb}$; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629
- ^{107}Sb 2005CL08 ATOMIC MASSES ^{64}Ge , ^{68}Se ; analyzed masses; deduced effective $T_{1/2}$. $^{90,91}\text{Mo}$, $^{90,91,92,93}\text{Tc}$, $^{93,94}\text{Ru}$, $^{94,95}\text{Rh}$, $^{104,105,106,107}\text{In}$, $^{104,105,107,108}\text{Sn}$, $^{107,108}\text{Sb}$; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629

A=108

- ^{108}Mo 2005SM08 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma(\theta, \text{H}, \text{t})$, $\gamma\gamma$ -coin. $^{96,100,102}\text{Zr}$, $^{102,104,106,108}\text{Mo}$, $^{106,108,110,112}\text{Ru}$, $^{110,114,116}\text{Pd}$ levels deduced g factors, B(E2). Gammasphere array, time-integral perturbed angular correlation technique. Comparison with interacting boson model predictions. JOUR JPGPE 31 S1433
- ^{108}Tc 2005HW06 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{95,97}\text{Sr}$, ^{99}Zr , ^{108}Tc , $^{133,134}\text{Te}$, ^{137}Xe levels deduced $T_{1/2}$. Gammasphere array, time-gated triple-coincidence method. JOUR ZAANE 25 s01 463
- ^{108}Ru 2005SM08 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma(\theta, \text{H}, \text{t})$, $\gamma\gamma$ -coin. $^{96,100,102}\text{Zr}$, $^{102,104,106,108}\text{Mo}$, $^{106,108,110,112}\text{Ru}$, $^{110,114,116}\text{Pd}$ levels deduced g factors, B(E2). Gammasphere array, time-integral perturbed angular correlation technique. Comparison with interacting boson model predictions. JOUR JPGPE 31 S1433
- ^{108}Pd 2004AL44 NUCLEAR REACTIONS $^{100}\text{Mo}(^{11}\text{B}, 2\text{np})$, E=43 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (charged particle) γ -coin. ^{108}Pd deduced levels, J, π , configurations. Cranking model analysis. JOUR BJPHE 34 1005
- 2004R048 NUCLEAR REACTIONS $^{104,106,108,110}\text{Pd}(d, d')$, E=13 MeV; measured $\sigma(E, \theta)$. $^{104,106,108,110}\text{Pd}$ levels deduced B(E2), deformation lengths, Coulomb-nuclear interference parameters. DWBA-deformed optical model analysis. JOUR BJPHE 34 777
- 2005BEZS NUCLEAR REACTIONS $^{108}\text{Pd}(^{122}\text{Cd}, ^{122}\text{Cd}')$, $^{104}\text{Pd}(^{124}\text{Cd}, ^{124}\text{Cd}')$, ($^{126}\text{Cd}, ^{126}\text{Cd}'$), E not given; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. $^{122,124}\text{Cd}$ levels deduced excitation B(E2). REPT MLL 2004 Annual,P14,Behrens
- 2005WI23 NUCLEAR REACTIONS $^{100}\text{Mo}(^{11}\text{B}, \text{xnpz}\alpha)^{104}\text{Rh} / ^{105}\text{Rh} / ^{107}\text{Pd} / ^{108}\text{Pd}$, E=43 MeV; $^{51}\text{V}(^{16}\text{O}, \text{xnpz}\alpha)^{60}\text{Ni} / ^{61}\text{Ni} / ^{61}\text{Cu} / ^{62}\text{Cu}$, E=70 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (charged particle) γ -coin; deduced γ -ray yield ratios. Application to exit channel determination discussed. JOUR BJPHE 35 898
- ^{108}Sn 2005CL08 ATOMIC MASSES ^{64}Ge , ^{68}Se ; analyzed masses; deduced effective $T_{1/2}$. $^{90,91}\text{Mo}$, $^{90,91,92,93}\text{Tc}$, $^{93,94}\text{Ru}$, $^{94,95}\text{Rh}$, $^{104,105,106,107}\text{In}$, $^{104,105,107,108}\text{Sn}$, $^{107,108}\text{Sb}$; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629
- ^{108}Sb 2005CL08 ATOMIC MASSES ^{64}Ge , ^{68}Se ; analyzed masses; deduced effective $T_{1/2}$. $^{90,91}\text{Mo}$, $^{90,91,92,93}\text{Tc}$, $^{93,94}\text{Ru}$, $^{94,95}\text{Rh}$, $^{104,105,106,107}\text{In}$, $^{104,105,107,108}\text{Sn}$, $^{107,108}\text{Sb}$; measured masses. Penning trap, astrophysical implications discussed. JOUR ZAANE 25 s01 629

A=109

No references found

A=110

- ¹¹⁰Ru 2005SM08 RADIOACTIVITY ²⁵²Cf(SF); measured $E\gamma$, $I\gamma(\theta, H, t)$, $\gamma\gamma$ -coin. ^{96,100,102}Zr, ^{102,104,106,108}Mo, ^{106,108,110,112}Ru, ^{110,114,116}Pd levels deduced g factors, B(E2). Gammasphere array, time-integral perturbed angular correlation technique. Comparison with interacting boson model predictions. JOUR JPGPE 31 S1433
- ¹¹⁰Pd 2004R048 NUCLEAR REACTIONS ^{104,106,108,110}Pd(d, d'), E=13 MeV; measured $\sigma(E, \theta)$. ^{104,106,108,110}Pd levels deduced B(E2), deformation lengths, Coulomb-nuclear interference parameters. DWBA-deformed optical model analysis. JOUR BJPHE 34 777
- 2005SM08 RADIOACTIVITY ²⁵²Cf(SF); measured $E\gamma$, $I\gamma(\theta, H, t)$, $\gamma\gamma$ -coin. ^{96,100,102}Zr, ^{102,104,106,108}Mo, ^{106,108,110,112}Ru, ^{110,114,116}Pd levels deduced g factors, B(E2). Gammasphere array, time-integral perturbed angular correlation technique. Comparison with interacting boson model predictions. JOUR JPGPE 31 S1433
- ¹¹⁰Cd 2005K032 NUCLEAR REACTIONS ^{110,111,112,114,116}Cd(γ, γ'), E \approx 2.7-4.1 MeV bremsstrahlung; measured $E\gamma$, $I\gamma$, γ -ray polarization. ^{110,111,112,114,116}Cd deduced levels, J, π , excitation B(M1), B(E1). JOUR PRVCA 72 034302

A=111

- ¹¹¹Cd 2005K032 NUCLEAR REACTIONS ^{110,111,112,114,116}Cd(γ, γ'), E \approx 2.7-4.1 MeV bremsstrahlung; measured $E\gamma$, $I\gamma$, γ -ray polarization. ^{110,111,112,114,116}Cd deduced levels, J, π , excitation B(M1), B(E1). JOUR PRVCA 72 034302
- ¹¹¹Sb 2005SH53 RADIOACTIVITY ¹¹¹Te(β^+) [from ⁵⁸Ni(⁵⁶Fe, 2pn)]; ¹³⁵Sn(β^-), (β^-n) [from U(p, F), E=1.4 GeV]; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin following decay of mass-separated sources. ^{111,134,135}Sb deduced levels, J, π . Comparison with model calculations. JOUR ZAANE 25 s01 121
- ¹¹¹Te 2005SH53 RADIOACTIVITY ¹¹¹Te(β^+) [from ⁵⁸Ni(⁵⁶Fe, 2pn)]; ¹³⁵Sn(β^-), (β^-n) [from U(p, F), E=1.4 GeV]; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin following decay of mass-separated sources. ^{111,134,135}Sb deduced levels, J, π . Comparison with model calculations. JOUR ZAANE 25 s01 121

A=112

- ¹¹²Ru 2005SM08 RADIOACTIVITY ²⁵²Cf(SF); measured $E\gamma$, $I\gamma(\theta, H, t)$, $\gamma\gamma$ -coin. ^{96,100,102}Zr, ^{102,104,106,108}Mo, ^{106,108,110,112}Ru, ^{110,114,116}Pd levels deduced g factors, B(E2). Gammasphere array, time-integral perturbed angular correlation technique. Comparison with interacting boson model predictions. JOUR JPGPE 31 S1433

A=112 (continued)

- ¹¹²Cd 2005K032 NUCLEAR REACTIONS ^{110,111,112,114,116}Cd(γ , γ'), E \approx 2.7-4.1 MeV bremsstrahlung; measured E γ , I γ , γ -ray polarization. ^{110,111,112,114,116}Cd deduced levels, J, π , excitation B(M1), B(E1). JOUR PRVCA 72 034302
- ¹¹²Sn 2005KU28 NUCLEAR REACTIONS ¹¹²Sn(n, n' γ), E=2.5-4.0 MeV; measured E γ , I γ , $\gamma\gamma$ -coin, angular distributions, excitation functions, DSA. ¹¹²Sn deduced levels, J, π , δ , T_{1/2}, B(M1), B(E2). JOUR PRVCA 72 034313
- 2005KU37 NUCLEAR REACTIONS ¹¹²Sn(n, n' γ), E=2.5-4.0 MeV; measured E γ , I γ , $\gamma\gamma$ -coin, DSA, excitation functions, angular distributions. ¹¹²Sn deduced levels, J, π , T_{1/2}. JOUR ZAANE 25 s01 443
- 2005PYZZ NUCLEAR REACTIONS ¹¹²Sn(γ , γ'), E=3.8 MeV bremsstrahlung; measured E γ , I γ . ¹¹²Sn level deduced B(E1), decay width, two-phonon configuration. PREPRINT nucl-ex/0512013,12/8/2005

A=113

- ¹¹³In 2005NA37 NUCLEAR REACTIONS ¹⁰⁰Mo(¹⁸O, 4np), E=95 MeV; ¹¹⁰Pd(⁷Li, 4n), E=36 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ¹¹³In deduced high-spin levels, J, π , configurations, shape coexistence. Cranked mean-field calculations. JOUR PRVCA 72 044304

A=114

- ¹¹⁴Pd 2005SM08 RADIOACTIVITY ²⁵²Cf(SF); measured E γ , I γ (θ , H, t), $\gamma\gamma$ -coin. ^{96,100,102}Zr, ^{102,104,106,108}Mo, ^{106,108,110,112}Ru, ^{110,114,116}Pd levels deduced g factors, B(E2). Gammasphere array, time-integral perturbed angular correlation technique. Comparison with interacting boson model predictions. JOUR JPGPE 31 S1433
- ¹¹⁴Cd 2005K032 NUCLEAR REACTIONS ^{110,111,112,114,116}Cd(γ , γ'), E \approx 2.7-4.1 MeV bremsstrahlung; measured E γ , I γ , γ -ray polarization. ^{110,111,112,114,116}Cd deduced levels, J, π , excitation B(M1), B(E1). JOUR PRVCA 72 034302

A=115

- ¹¹⁵In 2004AG09 NUCLEAR REACTIONS ¹⁰³Rh(n, n')^{103m}Rh, E \approx 4.8 MeV; ¹¹⁵In(n, n')^{115m}In, E \approx 5 MeV; ²³²Th, ²³⁸U(n, F), E \approx 5 MeV; ²⁴Mg, ²⁷Al, ^{46,47,48}Ti, ^{54,56}Fe, ⁵⁸Ni, ⁶⁴Zn(n, p), E \approx 2-8 MeV; ²⁷Al, ⁵⁹Co(n, α), E \approx 8.3 MeV; measured activation σ . Spectrum average technique, comparison with previous results. JOUR RAACA 92 63

A=116

- ¹¹⁶Pd 2005SM08 RADIOACTIVITY ²⁵²Cf(SF); measured E γ , I γ (θ , H, t), $\gamma\gamma$ -coin. ^{96,100,102}Zr, ^{102,104,106,108}Mo, ^{106,108,110,112}Ru, ^{110,114,116}Pd levels deduced g factors, B(E2). Gammasphere array, time-integral perturbed angular correlation technique. Comparison with interacting boson model predictions. JOUR JPGPE 31 S1433
- ¹¹⁶Ag 2005BA94 RADIOACTIVITY ^{116m}Ag(IT), ¹¹⁶Ag(β^-) [from U(p, F)]; measured E(ce), I(ce), E γ , I γ . ¹¹⁶Ag deduced levels, J, π , ICC, isomer T_{1/2}. ¹¹⁶Cd deduced transitions. JOUR PRVCA 72 044306
- 2005RI19 RADIOACTIVITY ^{116,118,120}Ag(β^-); measured E γ , I γ , $\beta\gamma$ -coin. ^{116,118,120}Cd deduced levels, J, π . Three-phonon states discussed. JOUR ZAANE 25 s01 119
- ¹¹⁶Cd 2005BA94 RADIOACTIVITY ^{116m}Ag(IT), ¹¹⁶Ag(β^-) [from U(p, F)]; measured E(ce), I(ce), E γ , I γ . ¹¹⁶Ag deduced levels, J, π , ICC, isomer T_{1/2}. ¹¹⁶Cd deduced transitions. JOUR PRVCA 72 044306
- 2005K032 NUCLEAR REACTIONS ^{110,111,112,114,116}Cd(γ , γ'), E \approx 2.7-4.1 MeV bremsstrahlung; measured E γ , I γ , γ -ray polarization. ^{110,111,112,114,116}Cd deduced levels, J, π , excitation B(M1), B(E1). JOUR PRVCA 72 034302
- 2005RI19 RADIOACTIVITY ^{116,118,120}Ag(β^-); measured E γ , I γ , $\beta\gamma$ -coin. ^{116,118,120}Cd deduced levels, J, π . Three-phonon states discussed. JOUR ZAANE 25 s01 119

A=117

No references found

A=118

- ¹¹⁸Ag 2005RI19 RADIOACTIVITY ^{116,118,120}Ag(β^-); measured E γ , I γ , $\beta\gamma$ -coin. ^{116,118,120}Cd deduced levels, J, π . Three-phonon states discussed. JOUR ZAANE 25 s01 119
- ¹¹⁸Cd 2005RI19 RADIOACTIVITY ^{116,118,120}Ag(β^-); measured E γ , I γ , $\beta\gamma$ -coin. ^{116,118,120}Cd deduced levels, J, π . Three-phonon states discussed. JOUR ZAANE 25 s01 119

A=119

- ¹¹⁹In 2005GU32 NUCLEAR REACTIONS ¹²²Sn, ¹²³Sb(polarized p, α), E=24 MeV; measured E α , σ (θ), A γ (θ). ¹¹⁹In, ¹²⁰Sn deduced homologous states features. JOUR PRVCA 72 044604

A=120

- ^{120}Ag 2005RI19 RADIOACTIVITY $^{116,118,120}\text{Ag}(\beta^-)$; measured $E\gamma$, $I\gamma$, $\beta\gamma$ -coin. $^{116,118,120}\text{Cd}$ deduced levels, J, π . Three-phonon states discussed. JOUR ZAANE 25 s01 119
- ^{120}Cd 2005RI19 RADIOACTIVITY $^{116,118,120}\text{Ag}(\beta^-)$; measured $E\gamma$, $I\gamma$, $\beta\gamma$ -coin. $^{116,118,120}\text{Cd}$ deduced levels, J, π . Three-phonon states discussed. JOUR ZAANE 25 s01 119
- ^{120}Sn 2005GU32 NUCLEAR REACTIONS ^{122}Sn , ^{123}Sb (polarized p, α), E=24 MeV; measured $E\alpha$, $\sigma(\theta)$, $Ay(\theta)$. ^{119}In , ^{120}Sn deduced homologous states features. JOUR PRVCA 72 044604

A=121

No references found

A=122

- ^{122}Cd 2005BEZS NUCLEAR REACTIONS $^{108}\text{Pd}(^{122}\text{Cd}, ^{122}\text{Cd}')$, $^{104}\text{Pd}(^{124}\text{Cd}, ^{124}\text{Cd}')$, ($^{126}\text{Cd}, ^{126}\text{Cd}'$), E not given; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. $^{122,124}\text{Cd}$ levels deduced excitation B(E2). REPT MLL 2004 Annual,P14,Behrens
- ^{122}Te 2005HA56 NUCLEAR REACTIONS ^{104}Pd (p, γ), E(cm)=2-8 MeV; $^{118}\text{Sn}(\alpha, \gamma)$, E(cm)=10-11 MeV; measured $E\gamma$, $I\gamma$, σ . Comparison with model predictions. JOUR JPGPE 31 S1417
- ^{122}Cs 2005KU34 NUCLEAR REACTIONS $^{107}\text{Ag}(^{19}\text{F}, 3\text{np})$, E=93 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{122}Cs deduced levels, J, π , configurations. Comparison with model predictions. JOUR PRVCA 72 044319

A=123

- ^{123}I 2004GL10 NUCLEAR REACTIONS ^{124}Te (p, n), (p, 2n), E \approx 8-19 MeV; measured thick-target yields. JOUR RAACA 92 951
- 2006HA01 NUCLEAR REACTIONS $\text{Sn}(\alpha, \text{xn})^{123}\text{I} / ^{124}\text{I} / ^{125}\text{I} / ^{126}\text{I}$, E=8-26 MeV; $^{121}\text{Sb}(\alpha, \text{n})$, ($\alpha, 2\text{n}$), E=8-26 MeV; measured σ . Stacked-foil activation, comparison with previous results. JOUR ARISE 64 101
- ^{123}Cs 2005SI31 NUCLEAR REACTIONS $^{100}\text{Mo}(^{28}\text{Si}, 4\text{np})$, E=130 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{123}Cs deduced high-spin levels, J, π , configurations. Total Routhian surface calculations. JOUR ZAANE 25 345

A=124

- ^{124}Ag 2005KA45 RADIOACTIVITY $^{124,126}\text{Ag}(\beta^-)$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin following decay of mass-separated sources. $^{124,126}\text{Cd}$ deduced levels, J, π . Comparison with shell-model predictions. JOUR ZAANE 25 s01 117

A=124 (continued)

- ^{124}Cd 2005BEZS NUCLEAR REACTIONS $^{108}\text{Pd}(^{122}\text{Cd}, ^{122}\text{Cd}')$, $^{104}\text{Pd}(^{124}\text{Cd}, ^{124}\text{Cd}')$, ($^{126}\text{Cd}, ^{126}\text{Cd}'$), E not given; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. $^{122,124}\text{Cd}$ levels deduced excitation B(E2). REPT MLL 2004 Annual,P14,Behrens
- 2005KA45 RADIOACTIVITY $^{124,126}\text{Ag}(\beta^-)$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin following decay of mass-separated sources. $^{124,126}\text{Cd}$ deduced levels, J, π . Comparison with shell-model predictions. JOUR ZAANE 25 s01 117
- ^{124}Sn 2005SI34 ATOMIC MASSES $^{76,77,80,81,86,88}\text{Sr}$, $^{124,129,130,131,132}\text{Sn}$; measured masses. Penning trap mass spectrometer, comparison with previous results. JOUR NUPAB 763 45
- ^{124}I 2004GL10 NUCLEAR REACTIONS $^{124}\text{Te}(p, n)$, $(p, 2n)$, $E \approx 8-19$ MeV; measured thick-target yields. JOUR RAACA 92 951
- 2006HA01 NUCLEAR REACTIONS $\text{Sn}(\alpha, xn)^{123}\text{I} / ^{124}\text{I} / ^{125}\text{I} / ^{126}\text{I}$, $E=8-26$ MeV; $^{121}\text{Sb}(\alpha, n)$, $(\alpha, 2n)$, $E=8-26$ MeV; measured σ . Stacked-foil activation, comparison with previous results. JOUR ARISE 64 101
- ^{124}Cs 2005GU37 ATOMIC MASSES $^{56,57}\text{Mn}$, ^{82m}Rb , ^{92}Sr , $^{124,127}\text{Cs}$, ^{130}Ba ; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 35
- ^{124}Ba 2005MA84 NUCLEAR REACTIONS $^{64}\text{Ni}(^{64}\text{Ni}, 3n)$, $(^{64}\text{Ni}, 4n)$, $E=255-261$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{124,125}\text{Ba}$ deduced levels, J, π , octupole correlations. Euroball and Diamant arrays. JOUR JPGPE 31 S1729

A=125

- ^{125}Sn 2005J023 NUCLEAR REACTIONS $^2\text{H}(^{124}\text{Sn}, p)$, $E=4.5$ MeV / nucleon; measured $\sigma(\theta)$. ^{125}Sn levels deduced spectroscopic factors. DWBA analysis. JOUR ZAANE 25 s01 283
- 2005LE34 NUCLEAR MOMENTS $^{125,125m,126,127,127m,128,129,129m,130,130m,131,131m,132}\text{Sn}$; measured isotope shifts; deduced charge radii, dynamical effects. $^{125,125m,127,127m,129,129m,130m,131,131m}\text{Sn}$; measured μ , quadrupole moments. Laser spectroscopy, mean-field calculations. JOUR PRVCA 72 034305
- ^{125}Sb 2005JU12 NUCLEAR REACTIONS $^{124}\text{Sn}(^7\text{Li}, 2n\alpha)$, $E=37$ MeV; measured delayed $E\gamma$, $I\gamma$, $E(\text{ce})$, $I(\text{ce})$. ^{125}Sb deduced levels, J, π , configurations, isomeric states $T_{1/2}$, ICC. Level systematics in neighboring isotopes compared. JOUR JPGPE 31 S1899
- ^{125}Te 2004G059 RADIOACTIVITY $^{125m}\text{Te}(\text{IT})$; measured $T_{1/2}$, non-exponential decay features. JOUR BRSPE 68 1335
- ^{125}I 2006HA01 NUCLEAR REACTIONS $\text{Sn}(\alpha, xn)^{123}\text{I} / ^{124}\text{I} / ^{125}\text{I} / ^{126}\text{I}$, $E=8-26$ MeV; $^{121}\text{Sb}(\alpha, n)$, $(\alpha, 2n)$, $E=8-26$ MeV; measured σ . Stacked-foil activation, comparison with previous results. JOUR ARISE 64 101
- ^{125}Ba 2005MA84 NUCLEAR REACTIONS $^{64}\text{Ni}(^{64}\text{Ni}, 3n)$, $(^{64}\text{Ni}, 4n)$, $E=255-261$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{124,125}\text{Ba}$ deduced levels, J, π , octupole correlations. Euroball and Diamant arrays. JOUR JPGPE 31 S1729

A=126

- ^{126}Ag 2005KA45 RADIOACTIVITY $^{124,126}\text{Ag}(\beta^-)$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin following decay of mass-separated sources. $^{124,126}\text{Cd}$ deduced levels, J, π . Comparison with shell-model predictions. JOUR ZAANE 25 s01 117
- ^{126}Cd 2005KA45 RADIOACTIVITY $^{124,126}\text{Ag}(\beta^-)$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin following decay of mass-separated sources. $^{124,126}\text{Cd}$ deduced levels, J, π . Comparison with shell-model predictions. JOUR ZAANE 25 s01 117
- ^{126}Sn 2005LE34 NUCLEAR MOMENTS
 $^{125,125m,126,127,127m,128,129,129m,130,130m,131,131m,132}\text{Sn}$; measured isotope shifts; deduced charge radii, dynamical effects.
 $^{125,125m,127,127m,129,129m,130m,131,131m}\text{Sn}$; measured μ , quadrupole moments. Laser spectroscopy, mean-field calculations. JOUR PRVCA 72 034305
- 2005RA32 NUCLEAR REACTIONS C(^{126}Sn , $^{126}\text{Sn}'$), (^{128}Sn , $^{128}\text{Sn}'$), (^{130}Sn , $^{130}\text{Sn}'$), (^{132}Te , $^{132}\text{Te}'$), (^{134}Te , $^{134}\text{Te}'$), (^{136}Te , $^{136}\text{Te}'$), E not given; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (particle) γ -coin following projectile Coulomb excitation. $^{132,134,136}\text{Te}$, $^{126,128,130}\text{Sn}$ deduced excitation B(E2). $^9\text{Be}({}^{134}\text{Te}$, ^8Be), $^{13}\text{C}({}^{134}\text{Te}$, ^{12}C), E=4.3 MeV / nucleon; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, (particle) γ -coin; deduced single-neutron transfer $\sigma(E)$. ^{135}Te deduced levels J, π . JOUR ZAANE 25 s01 383
- ^{126}I 2006HA01 NUCLEAR REACTIONS Sn(α , xn) ^{123}I / ^{124}I / ^{125}I / ^{126}I , E=8-26 MeV; $^{121}\text{Sb}(\alpha$, n), (α , 2n), E=8-26 MeV; measured σ . Stacked-foil activation, comparison with previous results. JOUR ARISE 64 101

A=127

- ^{127}Sn 2005LE34 NUCLEAR MOMENTS
 $^{125,125m,126,127,127m,128,129,129m,130,130m,131,131m,132}\text{Sn}$; measured isotope shifts; deduced charge radii, dynamical effects.
 $^{125,125m,127,127m,129,129m,130m,131,131m}\text{Sn}$; measured μ , quadrupole moments. Laser spectroscopy, mean-field calculations. JOUR PRVCA 72 034305
- ^{127}Cs 2005GU37 ATOMIC MASSES $^{56,57}\text{Mn}$, ^{82m}Rb , ^{92}Sr , $^{124,127}\text{Cs}$, ^{130}Ba ; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 35

A=128

- ^{128}Sn 2005LE34 NUCLEAR MOMENTS
 $^{125,125m,126,127,127m,128,129,129m,130,130m,131,131m,132}\text{Sn}$; measured isotope shifts; deduced charge radii, dynamical effects.
 $^{125,125m,127,127m,129,129m,130m,131,131m}\text{Sn}$; measured μ , quadrupole moments. Laser spectroscopy, mean-field calculations. JOUR PRVCA 72 034305

A=128 (continued)

- 2005RA32 NUCLEAR REACTIONS C(^{126}Sn , $^{126}\text{Sn}'$), (^{128}Sn , $^{128}\text{Sn}'$), (^{130}Sn , $^{130}\text{Sn}'$), (^{132}Te , $^{132}\text{Te}'$), (^{134}Te , $^{134}\text{Te}'$), (^{136}Te , $^{136}\text{Te}'$), E not given; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (particle) γ -coin following projectile Coulomb excitation. $^{132,134,136}\text{Te}$, $^{126,128,130}\text{Sn}$ deduced excitation B(E2). ^9Be (^{134}Te , ^8Be), ^{13}C (^{134}Te , ^{12}C), E=4.3 MeV / nucleon; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, (particle) γ -coin; deduced single-neutron transfer $\sigma(E)$. ^{135}Te deduced levels J, π . JOUR ZAANE 25 s01 383

A=129

- ^{129}Sn 2005LE34 NUCLEAR MOMENTS $^{125,125m,126,127,127m,128,129,129m,130,130m,131,131m,132}\text{Sn}$; measured isotope shifts; deduced charge radii, dynamical effects. $^{125,125m,127,127m,129,129m,130m,131,131m}\text{Sn}$; measured μ , quadrupole moments. Laser spectroscopy, mean-field calculations. JOUR PRVCA 72 034305
- 2005SI34 ATOMIC MASSES $^{76,77,80,81,86,88}\text{Sr}$, $^{124,129,130,131,132}\text{Sn}$; measured masses. Penning trap mass spectrometer, comparison with previous results. JOUR NUPAB 763 45
- ^{129}Sb 2005YU07 NUCLEAR REACTIONS ^{50}Ti (^{129}Sb , $^{129}\text{Sb}'$), (^{129}Te , $^{129}\text{Te}'$), E=400 MeV; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. ^{129}Te , ^{129}Sb deduced transitions B(E2). Clarion, Hyball arrays. JOUR ZAANE 25 s01 395
- ^{129}Te 2005YU07 NUCLEAR REACTIONS ^{50}Ti (^{129}Sb , $^{129}\text{Sb}'$), (^{129}Te , $^{129}\text{Te}'$), E=400 MeV; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. ^{129}Te , ^{129}Sb deduced transitions B(E2). Clarion, Hyball arrays. JOUR ZAANE 25 s01 395

A=130

- ^{130}Sn 2005LE34 NUCLEAR MOMENTS $^{125,125m,126,127,127m,128,129,129m,130,130m,131,131m,132}\text{Sn}$; measured isotope shifts; deduced charge radii, dynamical effects. $^{125,125m,127,127m,129,129m,130m,131,131m}\text{Sn}$; measured μ , quadrupole moments. Laser spectroscopy, mean-field calculations. JOUR PRVCA 72 034305
- 2005RA32 NUCLEAR REACTIONS C(^{126}Sn , $^{126}\text{Sn}'$), (^{128}Sn , $^{128}\text{Sn}'$), (^{130}Sn , $^{130}\text{Sn}'$), (^{132}Te , $^{132}\text{Te}'$), (^{134}Te , $^{134}\text{Te}'$), (^{136}Te , $^{136}\text{Te}'$), E not given; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (particle) γ -coin following projectile Coulomb excitation. $^{132,134,136}\text{Te}$, $^{126,128,130}\text{Sn}$ deduced excitation B(E2). ^9Be (^{134}Te , ^8Be), ^{13}C (^{134}Te , ^{12}C), E=4.3 MeV / nucleon; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, (particle) γ -coin; deduced single-neutron transfer $\sigma(E)$. ^{135}Te deduced levels J, π . JOUR ZAANE 25 s01 383
- 2005SI34 ATOMIC MASSES $^{76,77,80,81,86,88}\text{Sr}$, $^{124,129,130,131,132}\text{Sn}$; measured masses. Penning trap mass spectrometer, comparison with previous results. JOUR NUPAB 763 45

A=130 (continued)

^{130}Te	2005AR25	RADIOACTIVITY $^{130}\text{Te}(2\beta^-)$; measured $0\nu\beta\beta$ -decay $T_{1/2}$ lower limit. JOUR PRLTA 95 142501
^{130}Xe	2005AR25	RADIOACTIVITY $^{130}\text{Te}(2\beta^-)$; measured $0\nu\beta\beta$ -decay $T_{1/2}$ lower limit. JOUR PRLTA 95 142501
^{130}Ba	2005GU37	ATOMIC MASSES $^{56,57}\text{Mn}$, ^{82m}Rb , ^{92}Sr , $^{124,127}\text{Cs}$, ^{130}Ba ; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 35

A=131

^{131}Sn	2005LE34	NUCLEAR MOMENTS $^{125,125m,126,127,127m,128,129,129m,130,130m,131,131m,132}\text{Sn}$; measured isotope shifts; deduced charge radii, dynamical effects. $^{125,125m,127,127m,129,129m,130m,131,131m}\text{Sn}$; measured μ , quadrupole moments. Laser spectroscopy, mean-field calculations. JOUR PRVCA 72 034305
	2005SI34	ATOMIC MASSES $^{76,77,80,81,86,88}\text{Sr}$, $^{124,129,130,131,132}\text{Sn}$; measured masses. Penning trap mass spectrometer, comparison with previous results. JOUR NUPAB 763 45

A=132

^{132}Sn	2005LE34	NUCLEAR MOMENTS $^{125,125m,126,127,127m,128,129,129m,130,130m,131,131m,132}\text{Sn}$; measured isotope shifts; deduced charge radii, dynamical effects. $^{125,125m,127,127m,129,129m,130m,131,131m}\text{Sn}$; measured μ , quadrupole moments. Laser spectroscopy, mean-field calculations. JOUR PRVCA 72 034305
	2005SI34	ATOMIC MASSES $^{76,77,80,81,86,88}\text{Sr}$, $^{124,129,130,131,132}\text{Sn}$; measured masses. Penning trap mass spectrometer, comparison with previous results. JOUR NUPAB 763 45
	2005VA31	NUCLEAR REACTIONS $^{48}\text{Ti}(^{132}\text{Sn}, ^{132}\text{Sn}')$, $E=470-495$ MeV; $^{90}\text{Zr}(^{134}\text{Sn}, ^{134}\text{Sn}')$, $E=400$ MeV; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. $^{132,134}\text{Sn}$ deduced transitions B(E2). JOUR ZAANE 25 s01 391
^{132}Sb	2005ZA14	RADIOACTIVITY $^{132}\text{Sb}(\beta^-)$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{132}Te deduced levels, J, π . Comparisons with quasiparticle RPA calculations with density-dependent pairing. Clarion array. JOUR ZAANE 25 s01 389
^{132}Te	2005DA42	NUCLEAR REACTIONS $^{12}\text{C}(^{132}\text{Te}, ^{132}\text{Te}')$, $(^{130}\text{Te}, ^{130}\text{Te}')$, $(^{126}\text{Te}, ^{126}\text{Te}')$, $(^{122}\text{Te}, ^{122}\text{Te}')$, $E=3$ MeV / nucleon; measured $E\gamma$, $I\gamma(\theta)$, (particle) γ -coin following projectile Coulomb excitation. ^{132}Te level deduced g-factor. Recoil-in-vacuum technique. JOUR NIMBE 241 971

A=132 (continued)

- 2005GR25 NUCLEAR REACTIONS $^{64}\text{Ni}(^{132}\text{Sn}, \text{X})$, $(^{134}\text{Sn}, \text{X})$, $E=450\text{-}620$ MeV; measured fusion σ . $\text{C}(^{130}\text{Te}, ^{130}\text{Te}')$, $(^{132}\text{Te}, ^{132}\text{Te}')$, $E=3$ MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. ^{132}Te level deduced g factor. $^{13}\text{C}(^{134}\text{Te}, ^{135}\text{Te})$, $E=550$ MeV; measured $E\gamma$, $I\gamma$. ^{135}Te level deduced J, π . JOUR JPGPE 31 S1639
- 2005RA32 NUCLEAR REACTIONS $\text{C}(^{126}\text{Sn}, ^{126}\text{Sn}')$, $(^{128}\text{Sn}, ^{128}\text{Sn}')$, $(^{130}\text{Sn}, ^{130}\text{Sn}')$, $(^{132}\text{Te}, ^{132}\text{Te}')$, $(^{134}\text{Te}, ^{134}\text{Te}')$, $(^{136}\text{Te}, ^{136}\text{Te}')$, E not given; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (particle) γ -coin following projectile Coulomb excitation. $^{132,134,136}\text{Te}$, $^{126,128,130}\text{Sn}$ deduced excitation $B(E2)$. $^9\text{Be}(^{134}\text{Te}, ^8\text{Be})$, $^{13}\text{C}(^{134}\text{Te}, ^{12}\text{C})$, $E=4.3$ MeV / nucleon; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, (particle) γ -coin; deduced single-neutron transfer $\sigma(E)$. ^{135}Te deduced levels J, π . JOUR ZAANE 25 s01 383
- 2005ST33 NUCLEAR REACTIONS $\text{C}(^{132}\text{Te}, ^{132}\text{Te}')$, $(^{122}\text{Te}, ^{122}\text{Te}')$, $(^{126}\text{Te}, ^{126}\text{Te}')$, $(^{130}\text{Te}, ^{130}\text{Te}')$, $E=3$ MeV / nucleon; measured $E\gamma$, $I\gamma(\theta, \phi)$, (particle) γ -coin following projectile Coulomb excitation; deduced parameters. ^{132}Te level deduced g factor. Clarion, Hyball arrays, recoil-in-vacuum technique. JOUR ZAANE 25 s01 205
- 2005ZA14 RADIOACTIVITY $^{132}\text{Sb}(\beta^-)$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{132}Te deduced levels, J, π . Comparisons with quasiparticle RPA calculations with density-dependent pairing. Clarion array. JOUR ZAANE 25 s01 389
- ^{132}Ce 2005WI19 NUCLEAR REACTIONS $^{68}\text{Zn}(^{64}\text{Ni}, \text{X})$, $E=300, 400, 500$ MeV; measured $E\gamma$, $I\gamma$, (particle) γ -coin. ^{132}Ce deduced GDR parameters. JOUR JPGPE 31 S1973

A=133

- ^{133}Te 2005HW06 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{95,97}\text{Sr}$, ^{99}Zr , ^{108}Tc , $^{133,134}\text{Te}$, ^{137}Xe levels deduced $T_{1/2}$. Gammasphere array, time-gated triple-coincidence method. JOUR ZAANE 25 s01 463
- ^{133}Cs 2004GE20 RADIOACTIVITY $^{155}\text{Sm}(\beta^-)$ [from $^{154}\text{Sm}(n, \gamma)$]; ^{60}Co , ^{133}Ba , ^{152}Eu ; measured γ -ray angular correlations. ^{155}Eu , ^{60}Ni , ^{133}Cs , ^{152}Gd transitions deduced δ . Comparison with previous results. JOUR BJPHE 34 722
- 2005DA40 NUCLEAR MOMENTS ^{133}Cs ; measured hfs; deduced constants. JOUR EULEE 72 740
- ^{133}Ba 2004GE20 RADIOACTIVITY $^{155}\text{Sm}(\beta^-)$ [from $^{154}\text{Sm}(n, \gamma)$]; ^{60}Co , ^{133}Ba , ^{152}Eu ; measured γ -ray angular correlations. ^{155}Eu , ^{60}Ni , ^{133}Cs , ^{152}Gd transitions deduced δ . Comparison with previous results. JOUR BJPHE 34 722
- ^{133}Nd 2005PE18 NUCLEAR REACTIONS $^{104}\text{Pd}(^{32}\text{S}, n2p)$, $E=135$ MeV; measured Doppler-shifted $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{133}Nd levels deduced $T_{1/2}$, $B(E2)$, decay-out mechanism for highly deformed rotational band. GASP array, recoil-distance method. JOUR PRVCA 72 031304

A=134

- ^{134}Sn 2005VA31 NUCLEAR REACTIONS $^{48}\text{Ti}(^{132}\text{Sn}, ^{132}\text{Sn}')$, E=470-495 MeV; $^{90}\text{Zr}(^{134}\text{Sn}, ^{134}\text{Sn}')$, E=400 MeV; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. $^{132,134}\text{Sn}$ deduced transitions B(E2). JOUR ZAANE 25 s01 391
- ^{134}Sb 2005SH53 RADIOACTIVITY $^{111}\text{Te}(\beta^+)$ [from $^{58}\text{Ni}(^{56}\text{Fe}, 2\text{pn})$]; $^{135}\text{Sn}(\beta^-)$, (β^-n) [from U(p, F), E=1.4 GeV]; measured E γ , I γ , $\gamma\gamma$ -coin following decay of mass-separated sources. $^{111,134,135}\text{Sb}$ deduced levels, J, π . Comparison with model calculations. JOUR ZAANE 25 s01 121
- ^{134}Te 2005HW06 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured E γ , I γ , $\gamma\gamma$ -coin. $^{95,97}\text{Sr}$, ^{99}Zr , ^{108}Tc , $^{133,134}\text{Te}$, ^{137}Xe levels deduced $T_{1/2}$. Gammasphere array, time-gated triple-coincidence method. JOUR ZAANE 25 s01 463
- 2005RA32 NUCLEAR REACTIONS C($^{126}\text{Sn}, ^{126}\text{Sn}'$), ($^{128}\text{Sn}, ^{128}\text{Sn}'$), ($^{130}\text{Sn}, ^{130}\text{Sn}'$), ($^{132}\text{Te}, ^{132}\text{Te}'$), ($^{134}\text{Te}, ^{134}\text{Te}'$), ($^{136}\text{Te}, ^{136}\text{Te}'$), E not given; measured E γ , I γ , $\gamma\gamma$ -, (particle) γ -coin following projectile Coulomb excitation. $^{132,134,136}\text{Te}$, $^{126,128,130}\text{Sn}$ deduced excitation B(E2). $^9\text{Be}(^{134}\text{Te}, ^8\text{Be})$, $^{13}\text{C}(^{134}\text{Te}, ^{12}\text{C})$, E=4.3 MeV / nucleon; measured E γ , I γ , $\gamma\gamma$ -coin, (particle) γ -coin; deduced single-neutron transfer $\sigma(E)$. ^{135}Te deduced levels J, π . JOUR ZAANE 25 s01 383
- ^{134}Pr 2005T022 NUCLEAR REACTIONS $^{119}\text{Sn}(^{19}\text{F}, 4\text{n})$, E=83, 87 MeV; measured E γ , I γ , $\gamma\gamma$ -coin, DSA. ^{134}Pr levels deduced $T_{1/2}$, B(M1), B(E2), mixing ratios. Euroball IV array, recoil-distance and Doppler-shift attenuation techniques. JOUR ZAANE 25 s01 447

A=135

- ^{135}Sn 2005K040 RADIOACTIVITY $^{135}\text{Sn}(\beta^-)$ [from $^{235}\text{U}(n, F)$, E=thermal]; measured E γ , I γ , $\beta\gamma$ -coin following decay of mass-separated sources. ^{135}Sb deduced levels, J, π , $T_{1/2}$, B(M1), configurations. Comparison with shell model calculations. JOUR ZAANE 25 s01 123
- 2005SH53 RADIOACTIVITY $^{111}\text{Te}(\beta^+)$ [from $^{58}\text{Ni}(^{56}\text{Fe}, 2\text{pn})$]; $^{135}\text{Sn}(\beta^-)$, (β^-n) [from U(p, F), E=1.4 GeV]; measured E γ , I γ , $\gamma\gamma$ -coin following decay of mass-separated sources. $^{111,134,135}\text{Sb}$ deduced levels, J, π . Comparison with model calculations. JOUR ZAANE 25 s01 121
- ^{135}Sb 2005K040 RADIOACTIVITY $^{135}\text{Sn}(\beta^-)$ [from $^{235}\text{U}(n, F)$, E=thermal]; measured E γ , I γ , $\beta\gamma$ -coin following decay of mass-separated sources. ^{135}Sb deduced levels, J, π , $T_{1/2}$, B(M1), configurations. Comparison with shell model calculations. JOUR ZAANE 25 s01 123
- 2005SH53 RADIOACTIVITY $^{111}\text{Te}(\beta^+)$ [from $^{58}\text{Ni}(^{56}\text{Fe}, 2\text{pn})$]; $^{135}\text{Sn}(\beta^-)$, (β^-n) [from U(p, F), E=1.4 GeV]; measured E γ , I γ , $\gamma\gamma$ -coin following decay of mass-separated sources. $^{111,134,135}\text{Sb}$ deduced levels, J, π . Comparison with model calculations. JOUR ZAANE 25 s01 121
- ^{135}Te 2005GR25 NUCLEAR REACTIONS $^{64}\text{Ni}(^{132}\text{Sn}, X)$, ($^{134}\text{Sn}, X$), E=450-620 MeV; measured fusion σ . C($^{130}\text{Te}, ^{130}\text{Te}'$), ($^{132}\text{Te}, ^{132}\text{Te}'$), E=3 MeV / nucleon; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{132}Te level deduced g factor. $^{13}\text{C}(^{134}\text{Te}, ^{135}\text{Te})$, E=550 MeV; measured E γ , I γ . ^{135}Te level deduced J, π . JOUR JPGPE 31 S1639

A=135 (continued)

- 2005RA32 NUCLEAR REACTIONS C(^{126}Sn , $^{126}\text{Sn}'$), (^{128}Sn , $^{128}\text{Sn}'$), (^{130}Sn , $^{130}\text{Sn}'$), (^{132}Te , $^{132}\text{Te}'$), (^{134}Te , $^{134}\text{Te}'$), (^{136}Te , $^{136}\text{Te}'$), E not given; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (particle) γ -coin following projectile Coulomb excitation. $^{132,134,136}\text{Te}$, $^{126,128,130}\text{Sn}$ deduced excitation B(E2). ^9Be (^{134}Te , ^8Be), ^{13}C (^{134}Te , ^{12}C), E=4.3 MeV / nucleon; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, (particle) γ -coin; deduced single-neutron transfer $\sigma(E)$. ^{135}Te deduced levels J, π . JOUR ZAANE 25 s01 383
- ^{135}Xe 2004GA60 NUCLEAR REACTIONS $^{237}\text{Np}(\gamma, \text{F})^{135}\text{Xe}$ / ^{137}Xe / ^{138}Xe / ^{139}Xe / ^{140}Xe / ^{141}Xe / ^{142}Xe / ^{89}Kr / ^{91}Kr / ^{92}Kr / ^{93}Kr , E=25 MeV bremsstrahlung; measured fission yields, isotopic distribution parameters. Comparison with results from other targets. JOUR BRSPE 68 1298
- 2005GA50 NUCLEAR REACTIONS ^{237}Np , $^{243}\text{Am}(\gamma, \text{F})^{135}\text{Xe}$ / ^{137}Xe / ^{138}Xe / ^{139}Xe / ^{140}Xe / ^{141}Xe / ^{142}Xe / ^{89}Kr / ^{91}Kr / ^{92}Kr / ^{93}Kr , E=25 MeV bremsstrahlung; measured fission yields, isotopic distribution parameters. JOUR YAFIA 68 1475

A=136

- ^{136}Te 2005RA32 NUCLEAR REACTIONS C(^{126}Sn , $^{126}\text{Sn}'$), (^{128}Sn , $^{128}\text{Sn}'$), (^{130}Sn , $^{130}\text{Sn}'$), (^{132}Te , $^{132}\text{Te}'$), (^{134}Te , $^{134}\text{Te}'$), (^{136}Te , $^{136}\text{Te}'$), E not given; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (particle) γ -coin following projectile Coulomb excitation. $^{132,134,136}\text{Te}$, $^{126,128,130}\text{Sn}$ deduced excitation B(E2). ^9Be (^{134}Te , ^8Be), ^{13}C (^{134}Te , ^{12}C), E=4.3 MeV / nucleon; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, (particle) γ -coin; deduced single-neutron transfer $\sigma(E)$. ^{135}Te deduced levels J, π . JOUR ZAANE 25 s01 383
- ^{136}Xe 2005GAZU RADIOACTIVITY $^{136}\text{Xe}(2\beta^-)$; measured $0\nu\beta\beta$ -decay and $2\nu\beta\beta$ -decay $T_{1/2}$ lower limits. PREPRINT nucl-ex/0510071,10/26/2005
- ^{136}Ba 2005GAZU RADIOACTIVITY $^{136}\text{Xe}(2\beta^-)$; measured $0\nu\beta\beta$ -decay and $2\nu\beta\beta$ -decay $T_{1/2}$ lower limits. PREPRINT nucl-ex/0510071,10/26/2005
- ^{136}Ce 2005LA29 NUCLEAR REACTIONS $^{124}\text{Sn}(^{16}\text{O}, 4n)$, E=80 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, γ -ray polarization, DSA. ^{136}Ce deduced high-spin levels, I, π , $T_{1/2}$, B(M1), B(E2), transition quadrupole moments. $^{124}\text{Sn}(^{16}\text{O}, 4n)$, E=65-98 MeV; measured $E\gamma$, excitation functions. Comparisons with cranking model predictions. JOUR NUPAB 761 1

A=137

- ^{137}Xe 2004GA60 NUCLEAR REACTIONS $^{237}\text{Np}(\gamma, \text{F})^{135}\text{Xe}$ / ^{137}Xe / ^{138}Xe / ^{139}Xe / ^{140}Xe / ^{141}Xe / ^{142}Xe / ^{89}Kr / ^{91}Kr / ^{92}Kr / ^{93}Kr , E=25 MeV bremsstrahlung; measured fission yields, isotopic distribution parameters. Comparison with results from other targets. JOUR BRSPE 68 1298
- 2005F017 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{98}Sr , $^{102,104}\text{Zr}$, ^{137}Xe , ^{143}Ba , ^{152}Ce levels deduced $T_{1/2}$. Gammasphere array, time-gated triple-coincidence method. JOUR ZAANE 25 s01 465

A=137 (continued)

- 2005GA50 NUCLEAR REACTIONS ^{237}Np , $^{243}\text{Am}(\gamma, \text{F})^{135}\text{Xe} / ^{137}\text{Xe} / ^{138}\text{Xe} / ^{139}\text{Xe} / ^{140}\text{Xe} / ^{141}\text{Xe} / ^{142}\text{Xe} / ^{89}\text{Kr} / ^{91}\text{Kr} / ^{92}\text{Kr} / ^{93}\text{Kr}$, E=25 MeV
bremsstrahlung; measured fission yields, isotopic distribution parameters. JOUR YAFIA 68 1475
- 2005HW06 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{95,97}\text{Sr}$, ^{99}Zr , ^{108}Tc , $^{133,134}\text{Te}$, ^{137}Xe levels deduced $T_{1/2}$. Gammasphere array, time-gated triple-coincidence method. JOUR ZAANE 25 s01 463

A=138

- ^{138}Xe 2004GA60 NUCLEAR REACTIONS $^{237}\text{Np}(\gamma, \text{F})^{135}\text{Xe} / ^{137}\text{Xe} / ^{138}\text{Xe} / ^{139}\text{Xe} / ^{140}\text{Xe} / ^{141}\text{Xe} / ^{142}\text{Xe} / ^{89}\text{Kr} / ^{91}\text{Kr} / ^{92}\text{Kr} / ^{93}\text{Kr}$, E=25 MeV
bremsstrahlung; measured fission yields, isotopic distribution parameters. Comparison with results from other targets. JOUR BRSPE 68 1298
- 2005GA50 NUCLEAR REACTIONS ^{237}Np , $^{243}\text{Am}(\gamma, \text{F})^{135}\text{Xe} / ^{137}\text{Xe} / ^{138}\text{Xe} / ^{139}\text{Xe} / ^{140}\text{Xe} / ^{141}\text{Xe} / ^{142}\text{Xe} / ^{89}\text{Kr} / ^{91}\text{Kr} / ^{92}\text{Kr} / ^{93}\text{Kr}$, E=25 MeV
bremsstrahlung; measured fission yields, isotopic distribution parameters. JOUR YAFIA 68 1475

A=139

- ^{139}Xe 2004GA60 NUCLEAR REACTIONS $^{237}\text{Np}(\gamma, \text{F})^{135}\text{Xe} / ^{137}\text{Xe} / ^{138}\text{Xe} / ^{139}\text{Xe} / ^{140}\text{Xe} / ^{141}\text{Xe} / ^{142}\text{Xe} / ^{89}\text{Kr} / ^{91}\text{Kr} / ^{92}\text{Kr} / ^{93}\text{Kr}$, E=25 MeV
bremsstrahlung; measured fission yields, isotopic distribution parameters. Comparison with results from other targets. JOUR BRSPE 68 1298
- 2005GA50 NUCLEAR REACTIONS ^{237}Np , $^{243}\text{Am}(\gamma, \text{F})^{135}\text{Xe} / ^{137}\text{Xe} / ^{138}\text{Xe} / ^{139}\text{Xe} / ^{140}\text{Xe} / ^{141}\text{Xe} / ^{142}\text{Xe} / ^{89}\text{Kr} / ^{91}\text{Kr} / ^{92}\text{Kr} / ^{93}\text{Kr}$, E=25 MeV
bremsstrahlung; measured fission yields, isotopic distribution parameters. JOUR YAFIA 68 1475

A=140

- ^{140}Xe 2004GA60 NUCLEAR REACTIONS $^{237}\text{Np}(\gamma, \text{F})^{135}\text{Xe} / ^{137}\text{Xe} / ^{138}\text{Xe} / ^{139}\text{Xe} / ^{140}\text{Xe} / ^{141}\text{Xe} / ^{142}\text{Xe} / ^{89}\text{Kr} / ^{91}\text{Kr} / ^{92}\text{Kr} / ^{93}\text{Kr}$, E=25 MeV
bremsstrahlung; measured fission yields, isotopic distribution parameters. Comparison with results from other targets. JOUR BRSPE 68 1298
- 2005GA50 NUCLEAR REACTIONS ^{237}Np , $^{243}\text{Am}(\gamma, \text{F})^{135}\text{Xe} / ^{137}\text{Xe} / ^{138}\text{Xe} / ^{139}\text{Xe} / ^{140}\text{Xe} / ^{141}\text{Xe} / ^{142}\text{Xe} / ^{89}\text{Kr} / ^{91}\text{Kr} / ^{92}\text{Kr} / ^{93}\text{Kr}$, E=25 MeV
bremsstrahlung; measured fission yields, isotopic distribution parameters. JOUR YAFIA 68 1475

A=140 (continued)

- ^{140}Eu 2005TA31 RADIOACTIVITY ^{140m}Eu , ^{142m}Tb , $^{144m}\text{Ho(IT)}$ [from $^{54}\text{Fe}(^{92}\text{Mo}, \text{X})$]; measured X-ray spectra, $E\gamma$, $\gamma\gamma$ -coin, $E(\text{ce})$, $T_{1/2}$. ^{140}Eu , ^{142}Tb , ^{144}Ho dlevels, J, π , configurations. Mass-separated sources. JOUR ZAANE 25 s01 151
- ^{140}Dy 2005BI24 RADIOACTIVITY ^{141}Ho , $^{144,145,146}\text{Tm(p)}$ [from $^{92}\text{Mo}(^{54}\text{Fe}, \text{xnp})$ and $^{92}\text{Mo}(^{58}\text{Ni}, \text{xnp})$]; measured E_p , $T_{1/2}$; deduced branching ratios. ^{141}Ho , ^{140}Dy , $^{145,146}\text{Tm}$, $^{144,145}\text{Er}$ deduced levels, configurations. JOUR NIMBE 241 185

A=141

- ^{141}Xe 2004GA60 NUCLEAR REACTIONS $^{237}\text{Np}(\gamma, \text{F})^{135}\text{Xe} / ^{137}\text{Xe} / ^{138}\text{Xe} / ^{139}\text{Xe} / ^{140}\text{Xe} / ^{141}\text{Xe} / ^{142}\text{Xe} / ^{89}\text{Kr} / ^{91}\text{Kr} / ^{92}\text{Kr} / ^{93}\text{Kr}$, $E=25$ MeV bremsstrahlung; measured fission yields, isotopic distribution parameters. Comparison with results from other targets. JOUR BRSPE 68 1298
- 2005GA50 NUCLEAR REACTIONS ^{237}Np , $^{243}\text{Am}(\gamma, \text{F})^{135}\text{Xe} / ^{137}\text{Xe} / ^{138}\text{Xe} / ^{139}\text{Xe} / ^{140}\text{Xe} / ^{141}\text{Xe} / ^{142}\text{Xe} / ^{89}\text{Kr} / ^{91}\text{Kr} / ^{92}\text{Kr} / ^{93}\text{Kr}$, $E=25$ MeV bremsstrahlung; measured fission yields, isotopic distribution parameters. JOUR YAFIA 68 1475
- ^{141}Tb 2004ME25 NUCLEAR REACTIONS $^{92}\text{Mo}(^{54}\text{Fe}, \text{p}\alpha)$, $E=240$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (charged particle) γ -coin. ^{141}Tb deduced high-spin levels, J, π , configurations. GASP, ISIS arrays, cranking model analysis. JOUR BJPHE 34 1002
- ^{141}Ho 2005BI24 RADIOACTIVITY ^{141}Ho , $^{144,145,146}\text{Tm(p)}$ [from $^{92}\text{Mo}(^{54}\text{Fe}, \text{xnp})$ and $^{92}\text{Mo}(^{58}\text{Ni}, \text{xnp})$]; measured E_p , $T_{1/2}$; deduced branching ratios. ^{141}Ho , ^{140}Dy , $^{145,146}\text{Tm}$, $^{144,145}\text{Er}$ deduced levels, configurations. JOUR NIMBE 241 185

A=142

- ^{142}Xe 2004GA60 NUCLEAR REACTIONS $^{237}\text{Np}(\gamma, \text{F})^{135}\text{Xe} / ^{137}\text{Xe} / ^{138}\text{Xe} / ^{139}\text{Xe} / ^{140}\text{Xe} / ^{141}\text{Xe} / ^{142}\text{Xe} / ^{89}\text{Kr} / ^{91}\text{Kr} / ^{92}\text{Kr} / ^{93}\text{Kr}$, $E=25$ MeV bremsstrahlung; measured fission yields, isotopic distribution parameters. Comparison with results from other targets. JOUR BRSPE 68 1298
- 2005GA50 NUCLEAR REACTIONS ^{237}Np , $^{243}\text{Am}(\gamma, \text{F})^{135}\text{Xe} / ^{137}\text{Xe} / ^{138}\text{Xe} / ^{139}\text{Xe} / ^{140}\text{Xe} / ^{141}\text{Xe} / ^{142}\text{Xe} / ^{89}\text{Kr} / ^{91}\text{Kr} / ^{92}\text{Kr} / ^{93}\text{Kr}$, $E=25$ MeV bremsstrahlung; measured fission yields, isotopic distribution parameters. JOUR YAFIA 68 1475
- ^{142}Nd 2005R035 NUCLEAR MOMENTS $^{142,143,144,145,146,148,150}\text{Nd}$; measured hfs, isotope shifts. JOUR CJPHA 83 841
- ^{142}Gd 2006DR01 NUCLEAR REACTIONS $^{99}\text{Ru}(^{48}\text{Ti}, 3\text{n}2\text{p})$, $E=240$ MeV; measured $E\gamma$, $I\gamma$, γ -ray linear polarization. JOUR NIMAE 556 182

A=142 (continued)

- ¹⁴²Tb 2005RI17 NUCLEAR REACTIONS ⁹²Mo(⁵⁴Fe, xnypzα), E=245 MeV; measured prompt and delayed Eγ, Iγ, γγ-, (recoil)γ-coin. ¹⁴²Tb, ¹⁶³Dy deduced transitions. ¹⁴³Dy deduced isomeric state T_{1/2}. Jurogam array. JOUR JPGPE 31 S1949
- 2005TA31 RADIOACTIVITY ^{140m}Eu, ^{142m}Tb, ^{144m}Ho(IT) [from ⁵⁴Fe(⁹²Mo, X)]; measured X-ray spectra, Eγ, γγ-coin, E(ce), T_{1/2}. ¹⁴⁰Eu, ¹⁴²Tb, ¹⁴⁴Ho dlevels, J, π, configurations. Mass-separated sources. JOUR ZAANE 25 s01 151

A=143

- ¹⁴³Ba 2005F017 RADIOACTIVITY ²⁵²Cf(SF); measured Eγ, Iγ, γγ-coin. ⁹⁸Sr, ^{102,104}Zr, ¹³⁷Xe, ¹⁴³Ba, ¹⁵²Ce levels deduced T_{1/2}. Gammasphere array, time-gated triple-coincidence method. JOUR ZAANE 25 s01 465
- ¹⁴³Nd 2005R035 NUCLEAR MOMENTS ^{142,143,144,145,146,148,150}Nd; measured hfs, isotope shifts. JOUR CJPHA 83 841
- ¹⁴³Dy 2005RI17 NUCLEAR REACTIONS ⁹²Mo(⁵⁴Fe, xnypzα), E=245 MeV; measured prompt and delayed Eγ, Iγ, γγ-, (recoil)γ-coin. ¹⁴²Tb, ¹⁶³Dy deduced transitions. ¹⁴³Dy deduced isomeric state T_{1/2}. Jurogam array. JOUR JPGPE 31 S1949
- ¹⁴³Er 2005BI24 RADIOACTIVITY ¹⁴¹Ho, ^{144,145,146}Tm(p) [from ⁹²Mo(⁵⁴Fe, xnyp) and ⁹²Mo(⁵⁸Ni, xnyp)]; measured Ep, T_{1/2}; deduced branching ratios. ¹⁴¹Ho, ¹⁴⁰Dy, ^{145,146}Tm, ^{144,145}Er deduced levels, configurations. JOUR NIMBE 241 185
- 2005GR32 RADIOACTIVITY ¹⁴⁴Tm(p) [from ⁵⁸Ni(⁹²Mo, p5n), E=340 MeV]; measured proton spectra, T_{1/2}; deduced fine structure. JOUR ZAANE 25 s01 145

A=144

- ¹⁴⁴Ba 2005SH49 RADIOACTIVITY ²⁵²Cf(SF); measured Doppler-shifted Eγ, Iγ, γγ-, (fragment)γ-coin. ¹⁴⁴Ba deduced transitions T_{1/2}, B(E2), transition dipole, quadrupole, and octupole moments for alternating-parity band. Gammasphere array, cluster-model analysis. JOUR ZAANE 25 387
- ¹⁴⁴Nd 2005R035 NUCLEAR MOMENTS ^{142,143,144,145,146,148,150}Nd; measured hfs, isotope shifts. JOUR CJPHA 83 841
- ¹⁴⁴Ho 2005TA31 RADIOACTIVITY ^{140m}Eu, ^{142m}Tb, ^{144m}Ho(IT) [from ⁵⁴Fe(⁹²Mo, X)]; measured X-ray spectra, Eγ, γγ-coin, E(ce), T_{1/2}. ¹⁴⁰Eu, ¹⁴²Tb, ¹⁴⁴Ho dlevels, J, π, configurations. Mass-separated sources. JOUR ZAANE 25 s01 151
- ¹⁴⁴Er 2005BI24 RADIOACTIVITY ¹⁴¹Ho, ^{144,145,146}Tm(p) [from ⁹²Mo(⁵⁴Fe, xnyp) and ⁹²Mo(⁵⁸Ni, xnyp)]; measured Ep, T_{1/2}; deduced branching ratios. ¹⁴¹Ho, ¹⁴⁰Dy, ^{145,146}Tm, ^{144,145}Er deduced levels, configurations. JOUR NIMBE 241 185
- 2005SE26 RADIOACTIVITY ¹⁴⁵Tm(p) [from ⁵⁸Ni(⁹²Mo, 4np)]; measured Ep, Eγ, pγ-coin. JOUR ZAANE 25 s01 159

A=144 (continued)

- ^{144}Tm 2005BI24 RADIOACTIVITY ^{141}Ho , $^{144,145,146}\text{Tm}(p)$ [from $^{92}\text{Mo}(^{54}\text{Fe}, xnyp)$ and $^{92}\text{Mo}(^{58}\text{Ni}, xnyp)$]; measured E_p , $T_{1/2}$; deduced branching ratios. ^{141}Ho , ^{140}Dy , $^{145,146}\text{Tm}$, $^{144,145}\text{Er}$ deduced levels, configurations. JOUR NIMBE 241 185
- 2005GR32 RADIOACTIVITY $^{144}\text{Tm}(p)$ [from $^{58}\text{Ni}(^{92}\text{Mo}, p5n)$, $E=340$ MeV]; measured proton spectra, $T_{1/2}$; deduced fine structure. JOUR ZAANE 25 s01 145

A=145

- ^{145}Nd 2005R035 NUCLEAR MOMENTS $^{142,143,144,145,146,148,150}\text{Nd}$; measured hfs, isotope shifts. JOUR CJPHA 83 841
- ^{145}Er 2005BB02 RADIOACTIVITY $^{146}\text{Tm}(p)$ [from $^{58}\text{Ni}(^{92}\text{Mo}, p3n)$, $E=297$ MeV]; measured proton spectra, $T_{1/2}$; deduced fine structure, decay branching ratios. ^{145}Er deduced levels, configurations. JOUR ZAANE 25 s01 149
- 2005BI24 RADIOACTIVITY ^{141}Ho , $^{144,145,146}\text{Tm}(p)$ [from $^{92}\text{Mo}(^{54}\text{Fe}, xnyp)$ and $^{92}\text{Mo}(^{58}\text{Ni}, xnyp)$]; measured E_p , $T_{1/2}$; deduced branching ratios. ^{141}Ho , ^{140}Dy , $^{145,146}\text{Tm}$, $^{144,145}\text{Er}$ deduced levels, configurations. JOUR NIMBE 241 185
- 2005R040 RADIOACTIVITY $^{146}\text{Tm}(p)$ [from $^{58}\text{Ni}(^{92}\text{Mo}, X)$]; measured E_γ , E_p , $T_{1/2}$ following proton decay from ground and excited states. ^{146}Tm , ^{145}Er deduced levels, J , π , configurations. JOUR ZAANE 25 s01 155
- ^{145}Tm 2005BI24 RADIOACTIVITY ^{141}Ho , $^{144,145,146}\text{Tm}(p)$ [from $^{92}\text{Mo}(^{54}\text{Fe}, xnyp)$ and $^{92}\text{Mo}(^{58}\text{Ni}, xnyp)$]; measured E_p , $T_{1/2}$; deduced branching ratios. ^{141}Ho , ^{140}Dy , $^{145,146}\text{Tm}$, $^{144,145}\text{Er}$ deduced levels, configurations. JOUR NIMBE 241 185
- 2005SE26 NUCLEAR REACTIONS $^{58}\text{Ni}(^{92}\text{Mo}, 2np)$, $E=512$ MeV; $^{58}\text{Ni}(^{92}\text{Mo}, 3np)$, $E=460$ MeV; $^{58}\text{Ni}(^{92}\text{Mo}, 4np)$, $E=417$ MeV; measured E_γ , I_γ , $\gamma\gamma$ -, (recoil) γ -coin. $^{145,146,147}\text{Tm}$ deduced levels, J , π , proton-decay features. Gammasphere array, recoil-decay tagging. Comparison with Particle Rotor model predictions. JOUR ZAANE 25 s01 159
- 2005SE26 RADIOACTIVITY $^{145}\text{Tm}(p)$ [from $^{58}\text{Ni}(^{92}\text{Mo}, 4np)$]; measured E_p , E_γ , $p\gamma$ -coin. JOUR ZAANE 25 s01 159

A=146

- ^{146}Nd 2005R035 NUCLEAR MOMENTS $^{142,143,144,145,146,148,150}\text{Nd}$; measured hfs, isotope shifts. JOUR CJPHA 83 841
- ^{146}Tm 2005BB02 RADIOACTIVITY $^{146}\text{Tm}(p)$ [from $^{58}\text{Ni}(^{92}\text{Mo}, p3n)$, $E=297$ MeV]; measured proton spectra, $T_{1/2}$; deduced fine structure, decay branching ratios. ^{145}Er deduced levels, configurations. JOUR ZAANE 25 s01 149
- 2005BI24 RADIOACTIVITY ^{141}Ho , $^{144,145,146}\text{Tm}(p)$ [from $^{92}\text{Mo}(^{54}\text{Fe}, xnyp)$ and $^{92}\text{Mo}(^{58}\text{Ni}, xnyp)$]; measured E_p , $T_{1/2}$; deduced branching ratios. ^{141}Ho , ^{140}Dy , $^{145,146}\text{Tm}$, $^{144,145}\text{Er}$ deduced levels, configurations. JOUR NIMBE 241 185

A=146 (continued)

- 2005R040 NUCLEAR REACTIONS $^{58}\text{Ni}(^{92}\text{Mo}, 3\text{np})$, E not given; measured $E\gamma$, $I\gamma$, $\gamma\gamma^-$, (recoil) γ -coin. ^{146}Tm deduced levels, J, π . Gammasphere array, recoil-decay tagging. JOUR ZAANE 25 s01 155
- 2005R040 RADIOACTIVITY $^{146}\text{Tm}(p)$ [from $^{58}\text{Ni}(^{92}\text{Mo}, X)$]; measured $E\gamma$, E_p , $T_{1/2}$ following proton decay from ground and excited states. ^{146}Tm , ^{145}Er deduced levels, J, π , configurations. JOUR ZAANE 25 s01 155
- 2005SE26 NUCLEAR REACTIONS $^{58}\text{Ni}(^{92}\text{Mo}, 2\text{np})$, E=512 MeV; $^{58}\text{Ni}(^{92}\text{Mo}, 3\text{np})$, E=460 MeV; $^{58}\text{Ni}(^{92}\text{Mo}, 4\text{np})$, E=417 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma^-$, (recoil) γ -coin. $^{145,146,147}\text{Tm}$ deduced levels, J, π , proton-decay features. Gammasphere array, recoil-decay tagging. Comparison with Particle Rotor model predictions. JOUR ZAANE 25 s01 159

A=147

- ^{147}Dy 2005GE10 ATOMIC MASSES $^{147,147m}\text{Dy}$; measured masses for ground and isomeric states. Schottky mass spectrometry. JOUR JPGPE 31 S1779
- ^{147}Tm 2005SE26 NUCLEAR REACTIONS $^{58}\text{Ni}(^{92}\text{Mo}, 2\text{np})$, E=512 MeV; $^{58}\text{Ni}(^{92}\text{Mo}, 3\text{np})$, E=460 MeV; $^{58}\text{Ni}(^{92}\text{Mo}, 4\text{np})$, E=417 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma^-$, (recoil) γ -coin. $^{145,146,147}\text{Tm}$ deduced levels, J, π , proton-decay features. Gammasphere array, recoil-decay tagging. Comparison with Particle Rotor model predictions. JOUR ZAANE 25 s01 159

A=148

- ^{148}Nd 2005R035 NUCLEAR MOMENTS $^{142,143,144,145,146,148,150}\text{Nd}$; measured hfs, isotope shifts. JOUR CJPHA 83 841
- ^{148}Gd 2005KE07 NUCLEAR REACTIONS W, Ta, Au(p, X) ^{148}Gd , E=600, 800 MeV; measured cumulative production σ . Comparison with previous results, model predictions. JOUR NUPAB 760 225

A=149

No references found

A=150

- ^{150}Nd 2005R035 NUCLEAR MOMENTS $^{142,143,144,145,146,148,150}\text{Nd}$; measured hfs, isotope shifts. JOUR CJPHA 83 841

A=151

No references found

A=152

- ¹⁵²Ce 2005F017 RADIOACTIVITY ²⁵²Cf(SF); measured E γ , I γ , $\gamma\gamma$ -coin. ⁹⁸Sr, ^{102,104}Zr, ¹³⁷Xe, ¹⁴³Ba, ¹⁵²Ce levels deduced T_{1/2}. Gammasphere array, time-gated triple-coincidence method. JOUR ZAANE 25 s01 465
- ¹⁵²Sm 2004KU35 RADIOACTIVITY ²³⁸Pu, ²²⁶Ra(α); ¹⁵²Eu(EC); measured low-energy electron spectra, angular distributions, (electron) α -, (electron) γ -, (electron)(X-ray)-coin. JOUR BRSPE 68 1358
- 2005GA47 NUCLEAR REACTIONS ¹⁵⁰Nd(α , 2n), E=22.5 MeV; ¹⁵²Sm(n, n'), E not given; measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁵²Sm deduced levels, J, π , octupole and hexadecapole bands. JOUR JPGPE 31 S1855
- 2005WI20 RADIOACTIVITY ²⁶Na(β^-); ¹⁵²Eu(β^-), (EC); measured E γ , I γ , $\gamma\gamma$ -, $\beta\gamma$ -coin. ¹⁵²Sm level deduced T_{1/2}. JOUR JPGPE 31 S1979
- ¹⁵²Eu 2004GE20 RADIOACTIVITY ¹⁵⁵Sm(β^-) [from ¹⁵⁴Sm(n, γ)]; ⁶⁰Co, ¹³³Ba, ¹⁵²Eu; measured γ -ray angular correlations. ¹⁵⁵Eu, ⁶⁰Ni, ¹³³Cs, ¹⁵²Gd transitions deduced δ . Comparison with previous results. JOUR BJPHE 34 722
- 2004KU35 RADIOACTIVITY ²³⁸Pu, ²²⁶Ra(α); ¹⁵²Eu(EC); measured low-energy electron spectra, angular distributions, (electron) α -, (electron) γ -, (electron)(X-ray)-coin. JOUR BRSPE 68 1358
- 2005WI20 RADIOACTIVITY ²⁶Na(β^-); ¹⁵²Eu(β^-), (EC); measured E γ , I γ , $\gamma\gamma$ -, $\beta\gamma$ -coin. ¹⁵²Sm level deduced T_{1/2}. JOUR JPGPE 31 S1979
- ¹⁵²Gd 2004GE20 RADIOACTIVITY ¹⁵⁵Sm(β^-) [from ¹⁵⁴Sm(n, γ)]; ⁶⁰Co, ¹³³Ba, ¹⁵²Eu; measured γ -ray angular correlations. ¹⁵⁵Eu, ⁶⁰Ni, ¹³³Cs, ¹⁵²Gd transitions deduced δ . Comparison with previous results. JOUR BJPHE 34 722
- 2005WI20 RADIOACTIVITY ²⁶Na(β^-); ¹⁵²Eu(β^-), (EC); measured E γ , I γ , $\gamma\gamma$ -, $\beta\gamma$ -coin. ¹⁵²Sm level deduced T_{1/2}. JOUR JPGPE 31 S1979

A=153

No references found

A=154

No references found

A=155

- ¹⁵⁵Sm 2004GE20 RADIOACTIVITY ¹⁵⁵Sm(β^-) [from ¹⁵⁴Sm(n, γ)]; ⁶⁰Co, ¹³³Ba, ¹⁵²Eu; measured γ -ray angular correlations. ¹⁵⁵Eu, ⁶⁰Ni, ¹³³Cs, ¹⁵²Gd transitions deduced δ . Comparison with previous results. JOUR BJPHE 34 722
- 2005RA33 RADIOACTIVITY ¹⁵⁵Sm(β^-) [from ¹⁵⁴Sm(n, γ)]; measured E γ , I γ , $\gamma\gamma$ -coin; deduced log ft. ¹⁵⁵Eu deduced levels, J, π , β -feeding intensities. JOUR BJPHE 35 839

A=155 (continued)

- ¹⁵⁵Eu 2004GE20 RADIOACTIVITY ¹⁵⁵Sm(β^-) [from ¹⁵⁴Sm(n, γ)];⁶⁰Co, ¹³³Ba, ¹⁵²Eu; measured γ -ray angular correlations. ¹⁵⁵Eu, ⁶⁰Ni, ¹³³Cs, ¹⁵²Gd transitions deduced δ . Comparison with previous results. JOUR BJPHE 34 722
- 2005RA33 RADIOACTIVITY ¹⁵⁵Sm(β^-) [from ¹⁵⁴Sm(n, γ)];⁶⁰Co, ¹³³Ba, ¹⁵²Eu; measured E γ , I γ , $\gamma\gamma$ -coin; deduced log ft. ¹⁵⁵Eu deduced levels, J, π , β -feeding intensities. JOUR BJPHE 35 839

A=156

No references found

A=157

- ¹⁵⁷Er 2005RI16 NUCLEAR REACTIONS ¹¹⁴Cd(⁴⁸Ca, 5n), E=215 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁵⁷Er deduced high-spin levels, J, π , band termination features. Gammasphere array. JOUR JPGPE 31 S1735
- ¹⁵⁷Lu 2005SC22 RADIOACTIVITY ^{167,167m,169,169m}Ir, ^{165,165m}Re, ¹⁶¹Ta(α) [from ⁹²Mo(⁷⁸Kr, 2np) and ¹¹²Sn(⁵⁸Ni, p) and subsequent decay]; measured E α , E γ , $\alpha\gamma$ -coin, T_{1/2}; deduced spectroscopic factors. ^{167,167m}Ir(p) [from ¹¹²Sn(⁵⁸Ni, 2np)]; measured E p , T_{1/2}; deduced spectroscopic factors. Jurogam array, mass separator. JOUR JPGPE 31 S1719

A=158

- ¹⁵⁸Gd 2005ME19 NUCLEAR REACTIONS ¹⁶⁰Gd, ¹⁶⁴Dy, ¹⁷⁰Er, ¹⁷⁸Hf, ¹⁸⁶W, ¹⁹²Os(p, t), E=25 MeV; measured triton spectra, $\sigma(\theta)$. ¹⁵⁸Gd, ¹⁶²Dy, ¹⁶⁸Er, ¹⁷⁶Hf, ¹⁸⁴W, ¹⁹⁰Os deduced 0⁺ level energies. JOUR JPGPE 31 S1399
- 2005MI28 NUCLEAR REACTIONS ¹⁵⁸Gd(X-ray, X-ray), E \approx 79.5 keV; measured delayed X-ray spectrum. ¹⁵⁸Gd deduced excited state energy, T_{1/2}. Synchrotron radiation, comparison with previous results. JOUR JUPSA 74 3122

A=159

No references found

A=160

- ¹⁶⁰Tm 2005LA32 NUCLEAR REACTIONS ¹³⁰Te(³⁵Cl, 5n), E=170 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁶⁰Tm deduced high-spin levels, J, π , configurations. Euroball array. JOUR PRVCA 72 057303

A=160 (continued)

¹⁶⁰Yb 2005BA88 NUCLEAR REACTIONS ²⁰⁸Pb(p, γ), E=11.9 MeV; measured E γ , I γ . ¹⁴⁷Sm(¹⁶O, 3n), E=73 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁶⁰Yb deduced high-spin levels, J, π . Afrodite array. JOUR JPGPE 31 S1747

A=161

¹⁶¹Yb 2005DU23 NUCLEAR REACTIONS Ge(¹⁸O, X)^{83m}Sr / ⁸³Y / ^{84m}Y / ^{88m}Y / ⁸⁵Zr / ⁸⁷Zr, E=82.8 GeV; ⁸⁴Se(¹⁸O, X)^{86m}Y / ⁸⁵Zr / ⁸⁷Nb / ^{87m}Nb / ⁸⁸Nb / ⁸⁸Mo, E=82.7 MeV; ¹²⁴Sn(⁵⁰Ti, X)^{168m}Lu / ¹⁶⁷Hf / ¹⁶⁸Hf, E=223.7 MeV; ¹¹⁶Sn(⁵⁰Ti, X)¹⁶²Tm / ¹⁶¹Yb / ¹⁶²Yb / ¹⁶³Yb / ¹⁶²Lu / ¹⁶²Hf, E=224.4 MeV; measured delayed E γ , I γ following residual nucleus decay. Physical preseparation technique. JOUR NIMAE 551 528

¹⁶¹Ta 2005SC22 RADIOACTIVITY ^{167,167m,169,169m}Ir, ^{165,165m}Re, ¹⁶¹Ta(α) [from ⁹²Mo(⁷⁸Kr, 2np) and ¹¹²Sn(⁵⁸Ni, p) and subsequent decay]; measured E α , E γ , $\alpha\gamma$ -coin, T_{1/2}; deduced spectroscopic factors. ^{167,167m}Ir(p) [from ¹¹²Sn(⁵⁸Ni, 2np)]; measured E_p, T_{1/2}; deduced spectroscopic factors. Jurogam array, mass separator. JOUR JPGPE 31 S1719

A=162

¹⁶²Gd 2005J024 RADIOACTIVITY ²⁵²Cf(SF); measured E γ , I γ , $\gamma\gamma$ -coin. ^{162,164}Gd deduced levels, J, π . Gammasphere array, level systematics in neighboring nuclides discussed. JOUR ZAANE 25 s01 467

¹⁶²Dy 2005ME19 NUCLEAR REACTIONS ¹⁶⁰Gd, ¹⁶⁴Dy, ¹⁷⁰Er, ¹⁷⁸Hf, ¹⁸⁶W, ¹⁹²Os(p, t), E=25 MeV; measured triton spectra, $\sigma(\theta)$. ¹⁵⁸Gd, ¹⁶²Dy, ¹⁶⁸Er, ¹⁷⁶Hf, ¹⁸⁴W, ¹⁹⁰Os deduced 0⁺ level energies. JOUR JPGPE 31 S1399

¹⁶²Tm 2005DU23 NUCLEAR REACTIONS Ge(¹⁸O, X)^{83m}Sr / ⁸³Y / ^{84m}Y / ^{88m}Y / ⁸⁵Zr / ⁸⁷Zr, E=82.8 GeV; ⁸⁴Se(¹⁸O, X)^{86m}Y / ⁸⁵Zr / ⁸⁷Nb / ^{87m}Nb / ⁸⁸Nb / ⁸⁸Mo, E=82.7 MeV; ¹²⁴Sn(⁵⁰Ti, X)^{168m}Lu / ¹⁶⁷Hf / ¹⁶⁸Hf, E=223.7 MeV; ¹¹⁶Sn(⁵⁰Ti, X)¹⁶²Tm / ¹⁶¹Yb / ¹⁶²Yb / ¹⁶³Yb / ¹⁶²Lu / ¹⁶²Hf, E=224.4 MeV; measured delayed E γ , I γ following residual nucleus decay. Physical preseparation technique. JOUR NIMAE 551 528

¹⁶²Yb 2005DU23 NUCLEAR REACTIONS Ge(¹⁸O, X)^{83m}Sr / ⁸³Y / ^{84m}Y / ^{88m}Y / ⁸⁵Zr / ⁸⁷Zr, E=82.8 GeV; ⁸⁴Se(¹⁸O, X)^{86m}Y / ⁸⁵Zr / ⁸⁷Nb / ^{87m}Nb / ⁸⁸Nb / ⁸⁸Mo, E=82.7 MeV; ¹²⁴Sn(⁵⁰Ti, X)^{168m}Lu / ¹⁶⁷Hf / ¹⁶⁸Hf, E=223.7 MeV; ¹¹⁶Sn(⁵⁰Ti, X)¹⁶²Tm / ¹⁶¹Yb / ¹⁶²Yb / ¹⁶³Yb / ¹⁶²Lu / ¹⁶²Hf, E=224.4 MeV; measured delayed E γ , I γ following residual nucleus decay. Physical preseparation technique. JOUR NIMAE 551 528

A=162 (continued)

- ^{162}Lu 2005DU23 NUCLEAR REACTIONS $\text{Ge}(^{18}\text{O}, \text{X})^{83m}\text{Sr} / ^{83}\text{Y} / ^{84m}\text{Y} / ^{88m}\text{Y} / ^{85}\text{Zr} / ^{87}\text{Zr}$, $E=82.8$ GeV; $^{84}\text{Se}(^{18}\text{O}, \text{X})^{86m}\text{Y} / ^{85}\text{Zr} / ^{87}\text{Nb} / ^{87m}\text{Nb} / ^{88}\text{Nb} / ^{88}\text{Mo}$, $E=82.7$ MeV; $^{124}\text{Sn}(^{50}\text{Ti}, \text{X})^{168m}\text{Lu} / ^{167}\text{Hf} / ^{168}\text{Hf}$, $E=223.7$ MeV; $^{116}\text{Sn}(^{50}\text{Ti}, \text{X})^{162}\text{Tm} / ^{161}\text{Yb} / ^{162}\text{Yb} / ^{163}\text{Yb} / ^{162}\text{Lu} / ^{162}\text{Hf}$, $E=224.4$ MeV; measured delayed $E\gamma$, $I\gamma$ following residual nucleus decay. Physical preseparation technique. JOUR NIMAE 551 528
- ^{162}Hf 2005DU23 NUCLEAR REACTIONS $\text{Ge}(^{18}\text{O}, \text{X})^{83m}\text{Sr} / ^{83}\text{Y} / ^{84m}\text{Y} / ^{88m}\text{Y} / ^{85}\text{Zr} / ^{87}\text{Zr}$, $E=82.8$ GeV; $^{84}\text{Se}(^{18}\text{O}, \text{X})^{86m}\text{Y} / ^{85}\text{Zr} / ^{87}\text{Nb} / ^{87m}\text{Nb} / ^{88}\text{Nb} / ^{88}\text{Mo}$, $E=82.7$ MeV; $^{124}\text{Sn}(^{50}\text{Ti}, \text{X})^{168m}\text{Lu} / ^{167}\text{Hf} / ^{168}\text{Hf}$, $E=223.7$ MeV; $^{116}\text{Sn}(^{50}\text{Ti}, \text{X})^{162}\text{Tm} / ^{161}\text{Yb} / ^{162}\text{Yb} / ^{163}\text{Yb} / ^{162}\text{Lu} / ^{162}\text{Hf}$, $E=224.4$ MeV; measured delayed $E\gamma$, $I\gamma$ following residual nucleus decay. Physical preseparation technique. JOUR NIMAE 551 528

A=163

- ^{163}Dy 2005RI17 NUCLEAR REACTIONS $^{92}\text{Mo}(^{54}\text{Fe}, \text{xnyp}\alpha)$, $E=245$ MeV; measured prompt and delayed $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (recoil) γ -coin. ^{142}Tb , ^{163}Dy deduced transitions. ^{143}Dy deduced isomeric state $T_{1/2}$. Jurogam array. JOUR JPGPE 31 S1949
- ^{163}Er 2005LE35 NUCLEAR REACTIONS $^{150}\text{Nd}(^{18}\text{O}, 5n)$, $E=87, 93$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{163}Er deduced quasi-continuum high-spin spectra, rotational bands excitation energy, compound and rotational damping widths vs K-quantum number, order-to-chaos transition features. Euroball array, comparison with model predictions. JOUR PRVCA 72 034307
- ^{163}Yb 2005DU23 NUCLEAR REACTIONS $\text{Ge}(^{18}\text{O}, \text{X})^{83m}\text{Sr} / ^{83}\text{Y} / ^{84m}\text{Y} / ^{88m}\text{Y} / ^{85}\text{Zr} / ^{87}\text{Zr}$, $E=82.8$ GeV; $^{84}\text{Se}(^{18}\text{O}, \text{X})^{86m}\text{Y} / ^{85}\text{Zr} / ^{87}\text{Nb} / ^{87m}\text{Nb} / ^{88}\text{Nb} / ^{88}\text{Mo}$, $E=82.7$ MeV; $^{124}\text{Sn}(^{50}\text{Ti}, \text{X})^{168m}\text{Lu} / ^{167}\text{Hf} / ^{168}\text{Hf}$, $E=223.7$ MeV; $^{116}\text{Sn}(^{50}\text{Ti}, \text{X})^{162}\text{Tm} / ^{161}\text{Yb} / ^{162}\text{Yb} / ^{163}\text{Yb} / ^{162}\text{Lu} / ^{162}\text{Hf}$, $E=224.4$ MeV; measured delayed $E\gamma$, $I\gamma$ following residual nucleus decay. Physical preseparation technique. JOUR NIMAE 551 528
- ^{163}Re 2005SC22 RADIOACTIVITY $^{167,167m,169,169m}\text{Ir}$, $^{165,165m}\text{Re}$, $^{161}\text{Ta}(\alpha)$ [from $^{92}\text{Mo}(^{78}\text{Kr}, 2np)$ and $^{112}\text{Sn}(^{58}\text{Ni}, p)$ and subsequent decay]; measured $E\alpha$, $E\gamma$, $\alpha\gamma$ -coin, $T_{1/2}$; deduced spectroscopic factors. $^{167,167m}\text{Ir}(p)$ [from $^{112}\text{Sn}(^{58}\text{Ni}, 2np)$]; measured E_p , $T_{1/2}$; deduced spectroscopic factors. Jurogam array, mass separator. JOUR JPGPE 31 S1719

A=164

- ^{164}Gd 2005J024 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{162,164}\text{Gd}$ deduced levels, J , π . Gammasphere array, level systematics in neighboring nuclides discussed. JOUR ZAANE 25 s01 467

A=165

- ¹⁶⁵Er 2004BE58 NUCLEAR REACTIONS ¹⁶⁵Ho(p, n), E ≈ 8-18 MeV; measured excitation function; deduced thick-target yield. Activation technique. JOUR RAACA 92 219
- ¹⁶⁵Re 2005SC22 RADIOACTIVITY ^{167,167m,169,169m}Ir, ^{165,165m}Re, ¹⁶¹Ta(α) [from ⁹²Mo(⁷⁸Kr, 2np) and ¹¹²Sn(⁵⁸Ni, p) and subsequent decay]; measured Eα, Eγ, αγ-coin, T_{1/2}; deduced spectroscopic factors. ^{167,167m}Ir(p) [from ¹¹²Sn(⁵⁸Ni, 2np)]; measured Ep, T_{1/2}; deduced spectroscopic factors. Jurogam array, mass separator. JOUR JPGPE 31 S1719

A=166

- ¹⁶⁶Er 2005BU37 NUCLEAR REACTIONS ¹⁶⁴Dy(⁷Li, xnyp), E=55 MeV; measured Eγ, Iγ, γγ-, (charged particle)γ-coin. ¹⁶⁷Tm deduced high-spin levels, J, π, configurations. ¹⁶⁶Er deduced rotational band features. GASP, ISIS arrays. JOUR JPGPE 31 S1827
- ¹⁶⁶Os 2005SC22 RADIOACTIVITY ^{167,167m,169,169m}Ir, ^{165,165m}Re, ¹⁶¹Ta(α) [from ⁹²Mo(⁷⁸Kr, 2np) and ¹¹²Sn(⁵⁸Ni, p) and subsequent decay]; measured Eα, Eγ, αγ-coin, T_{1/2}; deduced spectroscopic factors. ^{167,167m}Ir(p) [from ¹¹²Sn(⁵⁸Ni, 2np)]; measured Ep, T_{1/2}; deduced spectroscopic factors. Jurogam array, mass separator. JOUR JPGPE 31 S1719

A=167

- ¹⁶⁷Tm 2005BU37 NUCLEAR REACTIONS ¹⁶⁴Dy(⁷Li, xnyp), E=55 MeV; measured Eγ, Iγ, γγ-, (charged particle)γ-coin. ¹⁶⁷Tm deduced high-spin levels, J, π, configurations. ¹⁶⁶Er deduced rotational band features. GASP, ISIS arrays. JOUR JPGPE 31 S1827
- ¹⁶⁷Lu 2005GU28 NUCLEAR REACTIONS ¹²³Sb(⁴⁸Ca, 4n), E=203 MeV; measured Eγ, Iγ, γγ-coin, DSA. ¹⁶⁷Lu deduced triaxial superdeformed band transition quadrupole moment. Gammasphere array. JOUR JPGPE 31 S1873
- ¹⁶⁷Hf 2005DU23 NUCLEAR REACTIONS Ge(¹⁸O, X)^{83m}Sr / ⁸³Y / ^{84m}Y / ^{88m}Y / ⁸⁵Zr / ⁸⁷Zr, E=82.8 GeV; ⁸⁴Se(¹⁸O, X)^{86m}Y / ⁸⁵Zr / ⁸⁷Nb / ^{87m}Nb / ⁸⁸Nb / ⁸⁸Mo, E=82.7 MeV; ¹²⁴Sn(⁵⁰Ti, X)^{168m}Lu / ¹⁶⁷Hf / ¹⁶⁸Hf, E=223.7 MeV; ¹¹⁶Sn(⁵⁰Ti, X)¹⁶²Tm / ¹⁶¹Yb / ¹⁶²Yb / ¹⁶³Yb / ¹⁶²Lu / ¹⁶²Hf, E=224.4 MeV; measured delayed Eγ, Iγ following residual nucleus decay. Physical preseparation technique. JOUR NIMAE 551 528
- ¹⁶⁷Ir 2005SC22 NUCLEAR REACTIONS ⁹²Mo(⁷⁸Kr, 2np), E=360 MeV; ¹¹²Sn(⁵⁸Ni, p), E=266 MeV; measured Eγ, Iγ, γγ-, (recoil)γ-coin. ^{167,169}Ir deduced transitions. Recoil-decay tagging, Jurogam array. JOUR JPGPE 31 S1719
- 2005SC22 RADIOACTIVITY ^{167,167m,169,169m}Ir, ^{165,165m}Re, ¹⁶¹Ta(α) [from ⁹²Mo(⁷⁸Kr, 2np) and ¹¹²Sn(⁵⁸Ni, p) and subsequent decay]; measured Eα, Eγ, αγ-coin, T_{1/2}; deduced spectroscopic factors. ^{167,167m}Ir(p) [from ¹¹²Sn(⁵⁸Ni, 2np)]; measured Ep, T_{1/2}; deduced spectroscopic factors. Jurogam array, mass separator. JOUR JPGPE 31 S1719

A=168

- ¹⁶⁸Er 2005BUZZ NUCLEAR REACTIONS ¹⁷⁰Er(p, t), E=25.0 MeV; measured E γ , I γ , $\sigma(\theta)$. ¹⁶⁸Er deduced 0⁺ states energies. REPT MLL 2004 Annual,P16,Bucurescu
- 2005ME19 NUCLEAR REACTIONS ¹⁶⁰Gd, ¹⁶⁴Dy, ¹⁷⁰Er, ¹⁷⁸Hf, ¹⁸⁶W, ¹⁹²Os(p, t), E=25 MeV; measured triton spectra, $\sigma(\theta)$. ¹⁵⁸Gd, ¹⁶²Dy, ¹⁶⁸Er, ¹⁷⁶Hf, ¹⁸⁴W, ¹⁹⁰Os deduced 0⁺ level energies. JOUR JPGPE 31 S1399
- ¹⁶⁸Lu 2005DU23 NUCLEAR REACTIONS Ge(¹⁸O, X)^{83m}Sr / ⁸³Y / ^{84m}Y / ^{88m}Y / ⁸⁵Zr / ⁸⁷Zr, E=82.8 GeV; ⁸⁴Se(¹⁸O, X)^{86m}Y / ⁸⁵Zr / ⁸⁷Nb / ^{87m}Nb / ⁸⁸Nb / ⁸⁸Mo, E=82.7 MeV; ¹²⁴Sn(⁵⁰Ti, X)^{168m}Lu / ¹⁶⁷Hf / ¹⁶⁸Hf, E=223.7 MeV; ¹¹⁶Sn(⁵⁰Ti, X)¹⁶²Tm / ¹⁶¹Yb / ¹⁶²Yb / ¹⁶³Yb / ¹⁶²Lu / ¹⁶²Hf, E=224.4 MeV; measured delayed E γ , I γ following residual nucleus decay. Physical preseparation technique. JOUR NIMAE 551 528
- ¹⁶⁸Hf 2005DU23 NUCLEAR REACTIONS Ge(¹⁸O, X)^{83m}Sr / ⁸³Y / ^{84m}Y / ^{88m}Y / ⁸⁵Zr / ⁸⁷Zr, E=82.8 GeV; ⁸⁴Se(¹⁸O, X)^{86m}Y / ⁸⁵Zr / ⁸⁷Nb / ^{87m}Nb / ⁸⁸Nb / ⁸⁸Mo, E=82.7 MeV; ¹²⁴Sn(⁵⁰Ti, X)^{168m}Lu / ¹⁶⁷Hf / ¹⁶⁸Hf, E=223.7 MeV; ¹¹⁶Sn(⁵⁰Ti, X)¹⁶²Tm / ¹⁶¹Yb / ¹⁶²Yb / ¹⁶³Yb / ¹⁶²Lu / ¹⁶²Hf, E=224.4 MeV; measured delayed E γ , I γ following residual nucleus decay. Physical preseparation technique. JOUR NIMAE 551 528

A=169

- ¹⁶⁹Ir 2005SC22 NUCLEAR REACTIONS ⁹²Mo(⁷⁸Kr, 2np), E=360 MeV; ¹¹²Sn(⁵⁸Ni, p), E=266 MeV; measured E γ , I γ , $\gamma\gamma$ -, (recoil) γ -coin. ^{167,169}Ir deduced transitions. Recoil-decay tagging, Jurogam array. JOUR JPGPE 31 S1719
- 2005SC22 RADIOACTIVITY ^{167,167m,169,169m}Ir, ^{165,165m}Re, ¹⁶¹Ta(α) [from ⁹²Mo(⁷⁸Kr, 2np) and ¹¹²Sn(⁵⁸Ni, p) and subsequent decay]; measured E α , E γ , $\alpha\gamma$ -coin, T_{1/2}; deduced spectroscopic factors. ^{167,167m}Ir(p) [from ¹¹²Sn(⁵⁸Ni, 2np)]; measured E_p, T_{1/2}; deduced spectroscopic factors. Jurogam array, mass separator. JOUR JPGPE 31 S1719
- ¹⁶⁹Pt 2005J018 NUCLEAR REACTIONS Sn(⁵⁸Ni, xn)¹⁶⁹Pt / ¹⁷⁰Pt / ¹⁷¹Pt / ¹⁷²Pt / ¹⁷³Pt, E=266 MeV; measured E γ , I γ , $\gamma\gamma$ -, (recoil) γ -coin. ^{169,170,171,172,173}Pt deduced levels, J, π . Recoil-decay tagging. JOUR JPGPE 31 S1715

A=170

- ¹⁷⁰Pt 2005J018 NUCLEAR REACTIONS Sn(⁵⁸Ni, xn)¹⁶⁹Pt / ¹⁷⁰Pt / ¹⁷¹Pt / ¹⁷²Pt / ¹⁷³Pt, E=266 MeV; measured E γ , I γ , $\gamma\gamma$ -, (recoil) γ -coin. ^{169,170,171,172,173}Pt deduced levels, J, π . Recoil-decay tagging. JOUR JPGPE 31 S1715

A=171

- ¹⁷¹Yb 2005AG15 NUCLEAR REACTIONS ⁵⁷Fe, ¹⁷¹Yb(³He, ³He'), E=38-45 MeV; ¹¹⁷Sn, ¹⁷²Yb(³He, α), E=38-45 MeV; measured E_γ, I_γ, (particle)γ-coin; deduced radiative strength functions. JOUR NIMBE 241 180
- ¹⁷¹Pt 2005J018 NUCLEAR REACTIONS Sn(⁵⁸Ni, xn)¹⁶⁹Pt / ¹⁷⁰Pt / ¹⁷¹Pt / ¹⁷²Pt / ¹⁷³Pt, E=266 MeV; measured E_γ, I_γ, γγ-, (recoil)γ-coin. ^{169,170,171,172,173}Pt deduced levels, J, π. Recoil-decay tagging. JOUR JPGPE 31 S1715

A=172

- ¹⁷²Yb 2005VE07 NUCLEAR REACTIONS ¹⁷⁰Er(⁷Li, 3np), (⁷Li, 4np), (⁷Li, 3nd), (⁷Li, 2nt), E=51 MeV; measured E_γ, I_γ, (charged particle)γ-coin. ^{172,173}Yb deduced high-spin levels, J, π, configurations, absence of a static pair field. GASP, ISIS arrays. JOUR ZAANE 26 19
- ¹⁷²Hf 2005KA52 NUCLEAR REACTIONS ¹⁷⁷Hf(n, γ), E=thermal, resonance; ¹⁷⁸Hf(n, n'γ), E > 3 MeV; measured isomer production σ. Ta, W, ¹⁸⁶W, Re(p, X)^{179m}Hf / ^{178m}Hf / ^{177m}Lu / ¹⁷⁸W / ¹⁷⁵Hf / ¹⁷²Hf / ¹⁷³Lu, E=650 MeV; analyzed yields, isomer ratios. ¹⁷⁶Yb(α, 2n), E < 36 MeV; measured isomer yield. Other reactions discussed. JOUR YAFIA 68 1827
- ¹⁷²Pt 2005J018 NUCLEAR REACTIONS Sn(⁵⁸Ni, xn)¹⁶⁹Pt / ¹⁷⁰Pt / ¹⁷¹Pt / ¹⁷²Pt / ¹⁷³Pt, E=266 MeV; measured E_γ, I_γ, γγ-, (recoil)γ-coin. ^{169,170,171,172,173}Pt deduced levels, J, π. Recoil-decay tagging. JOUR JPGPE 31 S1715

A=173

- ¹⁷³Yb 2005TE04 NUCLEAR REACTIONS ^{172,173}Yb(n, γ), E=resonance; measured E_γ, I_γ, capture yields. ¹⁷³Yb deduced resonance energies, J, π. ^{173,174}Yb deduced levels, J, π. JOUR NUPAB 763 31
- 2005VE07 NUCLEAR REACTIONS ¹⁷⁰Er(⁷Li, 3np), (⁷Li, 4np), (⁷Li, 3nd), (⁷Li, 2nt), E=51 MeV; measured E_γ, I_γ, (charged particle)γ-coin. ^{172,173}Yb deduced high-spin levels, J, π, configurations, absence of a static pair field. GASP, ISIS arrays. JOUR ZAANE 26 19
- ¹⁷³Lu 2005KA52 NUCLEAR REACTIONS ¹⁷⁷Hf(n, γ), E=thermal, resonance; ¹⁷⁸Hf(n, n'γ), E > 3 MeV; measured isomer production σ. Ta, W, ¹⁸⁶W, Re(p, X)^{179m}Hf / ^{178m}Hf / ^{177m}Lu / ¹⁷⁸W / ¹⁷⁵Hf / ¹⁷²Hf / ¹⁷³Lu, E=650 MeV; analyzed yields, isomer ratios. ¹⁷⁶Yb(α, 2n), E < 36 MeV; measured isomer yield. Other reactions discussed. JOUR YAFIA 68 1827
- ¹⁷³Ir 2005CA43 NUCLEAR REACTIONS ⁹²Mo(⁸⁴Sr, n2p), (⁸⁴Sr, 3p), (⁸⁴Sr, 2np), ¹⁰⁴Ru(⁸⁴Kr, 2np), ⁹⁰Zr(⁹⁰Zr, n), (⁹⁰Zr, p), E not given; ⁹²Mo(⁹⁰Zr, n), (⁹⁰Zr, p), E=385 MeV; measured E_γ, I_γ, γγ-, (recoil)γ-coin. ¹⁷⁹Hg deduced high-spin levels, J, π. Gammasphere array, fragment separator. JOUR JPGPE 31 S1599

A=173 (continued)

- ^{173}Pt 2005CA43 NUCLEAR REACTIONS $^{92}\text{Mo}(^{84}\text{Sr}, \text{n}2\text{p})$, $(^{84}\text{Sr}, 3\text{p})$, $(^{84}\text{Sr}, 2\text{np})$, $^{104}\text{Ru}(^{84}\text{Kr}, 2\text{np})$, $^{90}\text{Zr}(^{90}\text{Zr}, \text{n})$, $(^{90}\text{Zr}, \text{p})$, E not given; $^{92}\text{Mo}(^{90}\text{Zr}, \text{n})$, $(^{90}\text{Zr}, \text{p})$, E=385 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (recoil) γ -coin. ^{179}Hg deduced high-spin levels, J, π . Gammasphere array, fragment separator. JOUR JPGPE 31 S1599
- 2005J018 NUCLEAR REACTIONS $\text{Sn}(^{58}\text{Ni}, \text{xn})^{169}\text{Pt} / ^{170}\text{Pt} / ^{171}\text{Pt} / ^{172}\text{Pt} / ^{173}\text{Pt}$, E=266 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (recoil) γ -coin. $^{169,170,171,172,173}\text{Pt}$ deduced levels, J, π . Recoil-decay tagging. JOUR JPGPE 31 S1715
- ^{173}Au 2005CA43 NUCLEAR REACTIONS $^{92}\text{Mo}(^{84}\text{Sr}, \text{n}2\text{p})$, $(^{84}\text{Sr}, 3\text{p})$, $(^{84}\text{Sr}, 2\text{np})$, $^{104}\text{Ru}(^{84}\text{Kr}, 2\text{np})$, $^{90}\text{Zr}(^{90}\text{Zr}, \text{n})$, $(^{90}\text{Zr}, \text{p})$, E not given; $^{92}\text{Mo}(^{90}\text{Zr}, \text{n})$, $(^{90}\text{Zr}, \text{p})$, E=385 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (recoil) γ -coin. ^{179}Hg deduced high-spin levels, J, π . Gammasphere array, fragment separator. JOUR JPGPE 31 S1599

A=174

- ^{174}Tm 2005CH67 RADIOACTIVITY $^{174}\text{Tm}(\text{IT})$ [from $\text{Ta}(\text{p}, \text{X})$, E=500 MeV]; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin following decay of mass-separated sources; deduced $T_{1/2}$. Discussed K-hindrance and Nilsson configuration of new level. JOUR ZAANE 25 s01 125
- ^{174}Yb 2005TE04 NUCLEAR REACTIONS $^{172,173}\text{Yb}(\text{n}, \gamma)$, E=resonance; measured $E\gamma$, $I\gamma$, capture yields. ^{173}Yb deduced resonance energies, J, π . $^{173,174}\text{Yb}$ deduced levels, J, π . JOUR NUPAB 763 31
- ^{174}Re 2005ZH32 NUCLEAR REACTIONS $^{152}\text{Sm}(^{27}\text{Al}, 5\text{n})$, E=125, 132, 140 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin; deduced excitation functions. ^{174}Re deduced high-spin levels, J, π , configurations, signature inversion. Level systematics in neighboring nuclides discussed. JOUR CPLEE 22 2788

A=175

- ^{175}Yb 2005NC01 NUCLEAR REACTIONS $^{176}\text{Yb}(^{136}\text{Xe}, \text{X})^{175}\text{Yb} / ^{176}\text{Yb} / ^{177}\text{Yb}$, E=750 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{175,176,177}\text{Yb}$ deduced high-spin levels, J, π , configurations, gK-gR. Afrodite array. JOUR ZAANE 26 265
- ^{175}Hf 2005KA52 NUCLEAR REACTIONS $^{177}\text{Hf}(\text{n}, \gamma)$, E=thermal, resonance; $^{178}\text{Hf}(\text{n}, \text{n}'\gamma)$, E > 3 MeV; measured isomer production σ . Ta, W, ^{186}W , Re(p, X) $^{179m}\text{Hf} / ^{178m}\text{Hf} / ^{177m}\text{Lu} / ^{178}\text{W} / ^{175}\text{Hf} / ^{172}\text{Hf} / ^{173}\text{Lu}$, E=650 MeV; analyzed yields, isomer ratios. $^{176}\text{Yb}(\alpha, 2\text{n})$, E < 36 MeV; measured isomer yield. Other reactions discussed. JOUR YAFIA 68 1827

A=176

- ^{176}Yb 2005BI25 NUCLEAR MOMENTS $^{86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102}\text{Zr}$; measured charge radii. ^{176}Yb ; measured isomer shift. Ion-beam cooler, laser spectroscopy. JOUR ZAANE 25 s01 187
- 2005NC01 NUCLEAR REACTIONS $^{176}\text{Yb}(^{136}\text{Xe}, \text{X})^{175}\text{Yb} / ^{176}\text{Yb} / ^{177}\text{Yb}$, $E=750$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{175,176,177}\text{Yb}$ deduced high-spin levels, J , π , configurations, gK-gR. Afrodite array. JOUR ZAANE 26 265
- ^{176}Hf 2005ME19 NUCLEAR REACTIONS ^{160}Gd , ^{164}Dy , ^{170}Er , ^{178}Hf , ^{186}W , $^{192}\text{Os}(p, t)$, $E=25$ MeV; measured triton spectra, $\sigma(\theta)$. ^{158}Gd , ^{162}Dy , ^{168}Er , ^{176}Hf , ^{184}W , ^{190}Os deduced 0^+ level energies. JOUR JPGPE 31 S1399
- ^{176}Os 2005DE48 NUCLEAR REACTIONS $^{164,166,168}\text{Er}(^{16}\text{O}, 4n)$, $E=80$ MeV; measured prompt and delayed $E\gamma$, $I\gamma$. $^{154}\text{Sm}(^{29}\text{Si}, 5n)$, $E=158$ MeV; measured Doppler-shifted $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{176,178,180}\text{Os}$ deduced levels $T_{1/2}$, transition quadrupole moments, symmetry features. Electronic timing and recoil distance techniques, GASP array, interacting boson model and general collective model predictions. JOUR JPGPE 31 S1427
- 2005M033 NUCLEAR REACTIONS $^{164,166,168}\text{Er}(^{16}\text{O}, 4n)$, $E=80$ MeV; measured prompt and delayed $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{166}\text{Er}(^{16}\text{O}, 4n)$, $E=80$ MeV; measured Doppler-shifted $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{176,178,180}\text{Os}$ deduced levels, J , π , $T_{1/2}$, $B(E2)$. Pulsed-beam and recoil-distance techniques. JOUR PRVCA 72 034306

A=177

- ^{177}Yb 2005NC01 NUCLEAR REACTIONS $^{176}\text{Yb}(^{136}\text{Xe}, \text{X})^{175}\text{Yb} / ^{176}\text{Yb} / ^{177}\text{Yb}$, $E=750$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{175,176,177}\text{Yb}$ deduced high-spin levels, J , π , configurations, gK-gR. Afrodite array. JOUR ZAANE 26 265
- ^{177}Lu 2005KA52 NUCLEAR REACTIONS $^{177}\text{Hf}(n, \gamma)$, $E=\text{thermal}$, resonance; $^{178}\text{Hf}(n, n'\gamma)$, $E > 3$ MeV; measured isomer production σ . Ta, W, ^{186}W , Re(p, X) $^{179m}\text{Hf} / ^{178m}\text{Hf} / ^{177m}\text{Lu} / ^{178}\text{W} / ^{175}\text{Hf} / ^{172}\text{Hf} / ^{173}\text{Lu}$, $E=650$ MeV; analyzed yields, isomer ratios. $^{176}\text{Yb}(\alpha, 2n)$, $E < 36$ MeV; measured isomer yield. Other reactions discussed. JOUR YAFIA 68 1827

A=178

- ^{178}Hf 2005KA52 NUCLEAR REACTIONS $^{177}\text{Hf}(n, \gamma)$, $E=\text{thermal}$, resonance; $^{178}\text{Hf}(n, n'\gamma)$, $E > 3$ MeV; measured isomer production σ . Ta, W, ^{186}W , Re(p, X) $^{179m}\text{Hf} / ^{178m}\text{Hf} / ^{177m}\text{Lu} / ^{178}\text{W} / ^{175}\text{Hf} / ^{172}\text{Hf} / ^{173}\text{Lu}$, $E=650$ MeV; analyzed yields, isomer ratios. $^{176}\text{Yb}(\alpha, 2n)$, $E < 36$ MeV; measured isomer yield. Other reactions discussed. JOUR YAFIA 68 1827

A=178 (continued)

- ¹⁷⁸W 2005KA52 NUCLEAR REACTIONS ¹⁷⁷Hf(n, γ), E=thermal, resonance; ¹⁷⁸Hf(n, n' γ), E > 3 MeV; measured isomer production σ . Ta, W, ¹⁸⁶W, Re(p, X)^{179m}Hf / ^{178m}Hf / ^{177m}Lu / ¹⁷⁸W / ¹⁷⁵Hf / ¹⁷²Hf / ¹⁷³Lu, E=650 MeV; analyzed yields, isomer ratios. ¹⁷⁶Yb(α , 2n), E < 36 MeV; measured isomer yield. Other reactions discussed. JOUR YAFIA 68 1827
- ¹⁷⁸Os 2005DE48 NUCLEAR REACTIONS ^{164,166,168}Er(¹⁶O, 4n), E=80 MeV; measured prompt and delayed E γ , I γ . ¹⁵⁴Sm(²⁹Si, 5n), E=158 MeV; measured Doppler-shifted E γ , I γ , $\gamma\gamma$ -coin. ^{176,178,180}Os deduced levels T_{1/2}, transition quadrupole moments, symmetry features. Electronic timing and recoil distance techniques, GASP array, interacting boson model and general collective model predictions. JOUR JPGPE 31 S1427
- 2005M033 NUCLEAR REACTIONS ^{164,166,168}Er(¹⁶O, 4n), E=80 MeV; measured prompt and delayed E γ , I γ , $\gamma\gamma$ -coin. ¹⁶⁶Er(¹⁶O, 4n), E=80 MeV; measured Doppler-shifted E γ , I γ , $\gamma\gamma$ -coin. ^{176,178,180}Os deduced levels, J, π , T_{1/2}, B(E2). Pulsed-beam and recoil-distance techniques. JOUR PRVCA 72 034306

A=179

- ¹⁷⁹Hf 2005KA52 NUCLEAR REACTIONS ¹⁷⁷Hf(n, γ), E=thermal, resonance; ¹⁷⁸Hf(n, n' γ), E > 3 MeV; measured isomer production σ . Ta, W, ¹⁸⁶W, Re(p, X)^{179m}Hf / ^{178m}Hf / ^{177m}Lu / ¹⁷⁸W / ¹⁷⁵Hf / ¹⁷²Hf / ¹⁷³Lu, E=650 MeV; analyzed yields, isomer ratios. ¹⁷⁶Yb(α , 2n), E < 36 MeV; measured isomer yield. Other reactions discussed. JOUR YAFIA 68 1827
- ¹⁷⁹Au 2005CA43 NUCLEAR REACTIONS ⁹²Mo(⁸⁴Sr, n2p), (⁸⁴Sr, 3p), (⁸⁴Sr, 2np), ¹⁰⁴Ru(⁸⁴Kr, 2np), ⁹⁰Zr(⁹⁰Zr, n), (⁹⁰Zr, p), E not given; ⁹²Mo(⁹⁰Zr, n), (⁹⁰Zr, p), E=385 MeV; measured E γ , I γ , $\gamma\gamma$ -, (recoil) γ -coin. ¹⁷⁹Hg deduced high-spin levels, J, π . Gammasphere array, fragment separator. JOUR JPGPE 31 S1599
- ¹⁷⁹Hg 2005CA43 NUCLEAR REACTIONS ⁹²Mo(⁸⁴Sr, n2p), (⁸⁴Sr, 3p), (⁸⁴Sr, 2np), ¹⁰⁴Ru(⁸⁴Kr, 2np), ⁹⁰Zr(⁹⁰Zr, n), (⁹⁰Zr, p), E not given; ⁹²Mo(⁹⁰Zr, n), (⁹⁰Zr, p), E=385 MeV; measured E γ , I γ , $\gamma\gamma$ -, (recoil) γ -coin. ¹⁷⁹Hg deduced high-spin levels, J, π . Gammasphere array, fragment separator. JOUR JPGPE 31 S1599

A=180

- ¹⁸⁰Re 2005EL10 NUCLEAR REACTIONS ¹⁷⁴Yb(¹¹B, 5n), E=71 MeV; measured E γ , I γ , E(ce), I(ce), $\gamma\gamma$ -, (ce) γ -coin. ¹⁸⁰Re deduced high-spin levels, J, π , ICC, configurations, K-forbidden transitions. Potential energy surface calculations. JOUR PRVCA 72 054306

A=180 (continued)

- ¹⁸⁰Os 2005DE48 NUCLEAR REACTIONS ^{164,166,168}Er(¹⁶O, 4n), E=80 MeV; measured prompt and delayed E γ , I γ . ¹⁵⁴Sm(²⁹Si, 5n), E=158 MeV; measured Doppler-shifted E γ , I γ , $\gamma\gamma$ -coin. ^{176,178,180}Os deduced levels T_{1/2}, transition quadrupole moments, symmetry features. Electronic timing and recoil distance techniques, GASP array, interacting boson model and general collective model predictions. JOUR JPGPE 31 S1427
- 2005M033 NUCLEAR REACTIONS ^{164,166,168}Er(¹⁶O, 4n), E=80 MeV; measured prompt and delayed E γ , I γ , $\gamma\gamma$ -coin. ¹⁶⁶Er(¹⁶O, 4n), E=80 MeV; measured Doppler-shifted E γ , I γ , $\gamma\gamma$ -coin. ^{176,178,180}Os deduced levels, J, π , T_{1/2}, B(E2). Pulsed-beam and recoil-distance techniques. JOUR PRVCA 72 034306

A=181

- ¹⁸¹Os 2005CU05 NUCLEAR REACTIONS ¹⁵⁰Nd(³⁶S, 3n), (³⁶S, 5n), E not given; measured prompt and delayed E γ , I γ , $\gamma\gamma$ -coin. ^{181,183}Os deduced levels, J, π , configurations. Comparison with tilted axis cranking model predictions. JOUR JPGPE 31 S1709
- ¹⁸¹Tl 2005CA43 NUCLEAR REACTIONS ⁹²Mo(⁸⁴Sr, n2p), (⁸⁴Sr, 3p), (⁸⁴Sr, 2np), ¹⁰⁴Ru(⁸⁴Kr, 2np), ⁹⁰Zr(⁹⁰Zr, n), (⁹⁰Zr, p), E not given; ⁹²Mo(⁹⁰Zr, n), (⁹⁰Zr, p), E=385 MeV; measured E γ , I γ , $\gamma\gamma$ -, (recoil) γ -coin. ¹⁷⁹Hg deduced high-spin levels, J, π . Gammasphere array, fragment separator. JOUR JPGPE 31 S1599
- ¹⁸¹Pb 2005CA43 NUCLEAR REACTIONS ⁹²Mo(⁸⁴Sr, n2p), (⁸⁴Sr, 3p), (⁸⁴Sr, 2np), ¹⁰⁴Ru(⁸⁴Kr, 2np), ⁹⁰Zr(⁹⁰Zr, n), (⁹⁰Zr, p), E not given; ⁹²Mo(⁹⁰Zr, n), (⁹⁰Zr, p), E=385 MeV; measured E γ , I γ , $\gamma\gamma$ -, (recoil) γ -coin. ¹⁷⁹Hg deduced high-spin levels, J, π . Gammasphere array, fragment separator. JOUR JPGPE 31 S1599

A=182

No references found

A=183

- ¹⁸³Re 2005CL07 NUCLEAR REACTIONS ¹⁸⁴W(⁷Li, xn), (⁷Li, xnp), (⁷Li, xn α), E=35-70 MeV; calculated σ . ¹⁸⁴W(⁷Li, X)¹⁸⁴Os / ¹⁸⁵Os / ¹⁸⁶Os / ¹⁸⁸Os / ¹⁸⁴Ir / ¹⁸⁵Ir / ¹⁸⁶Ir / ¹⁸³Re / ¹⁸⁵Re, E=40-70 MeV; measured E γ , I γ , $\gamma\gamma$ -, (charged particle) γ -coin, particle yield ratios. ¹⁶⁰Gd(⁷Li, xnp), E=35-65 MeV; analyzed σ . Liberace, Stars arrays. JOUR PRVCA 72 054605
- ¹⁸³Os 2005CU05 NUCLEAR REACTIONS ¹⁵⁰Nd(³⁶S, 3n), (³⁶S, 5n), E not given; measured prompt and delayed E γ , I γ , $\gamma\gamma$ -coin. ^{181,183}Os deduced levels, J, π , configurations. Comparison with tilted axis cranking model predictions. JOUR JPGPE 31 S1709

A=184

- ¹⁸⁴W 2004L022 NUCLEAR REACTIONS ¹⁸³W(n, γ), E=thermal; measured E γ , I γ . ¹⁸⁴W deduced levels, J, π , neutron binding energy. JOUR BRSPE 68 1292
- 2005ME19 NUCLEAR REACTIONS ¹⁶⁰Gd, ¹⁶⁴Dy, ¹⁷⁰Er, ¹⁷⁸Hf, ¹⁸⁶W, ¹⁹²Os(p, t), E=25 MeV; measured triton spectra, $\sigma(\theta)$. ¹⁵⁸Gd, ¹⁶²Dy, ¹⁶⁸Er, ¹⁷⁶Hf, ¹⁸⁴W, ¹⁹⁰Os deduced 0⁺ level energies. JOUR JPGPE 31 S1399
- ¹⁸⁴Re 2005WH04 NUCLEAR REACTIONS ¹⁸⁰Hf(⁷Li, 3n), E = 30 MeV; measured prompt and delayed E γ , I γ , $\gamma\gamma$ -coin, DCO ratios. ¹⁸⁴Re deduced levels, J, π , T_{1/2}, gK - gR, configurations, rotational bands. Comparison with Nilsson-type blocked BCS calculations. JOUR NUPAB 763 1
- ¹⁸⁴Os 2005CL07 NUCLEAR REACTIONS ¹⁸⁴W(⁷Li, xn), (⁷Li, xnp), (⁷Li, xn α), E=35-70 MeV; calculated σ . ¹⁸⁴W(⁷Li, X)¹⁸⁴Os / ¹⁸⁵Os / ¹⁸⁶Os / ¹⁸⁸Os / ¹⁸⁴Ir / ¹⁸⁵Ir / ¹⁸⁶Ir / ¹⁸³Re / ¹⁸⁵Re, E=40-70 MeV; measured E γ , I γ , $\gamma\gamma$ -, (charged particle) γ -coin, particle yield ratios. ¹⁶⁰Gd(⁷Li, xnp), E=35-65 MeV; analyzed σ . Liberace, Stars arrays. JOUR PRVCA 72 054605
- ¹⁸⁴Ir 2005CL07 NUCLEAR REACTIONS ¹⁸⁴W(⁷Li, xn), (⁷Li, xnp), (⁷Li, xn α), E=35-70 MeV; calculated σ . ¹⁸⁴W(⁷Li, X)¹⁸⁴Os / ¹⁸⁵Os / ¹⁸⁶Os / ¹⁸⁸Os / ¹⁸⁴Ir / ¹⁸⁵Ir / ¹⁸⁶Ir / ¹⁸³Re / ¹⁸⁵Re, E=40-70 MeV; measured E γ , I γ , $\gamma\gamma$ -, (charged particle) γ -coin, particle yield ratios. ¹⁶⁰Gd(⁷Li, xnp), E=35-65 MeV; analyzed σ . Liberace, Stars arrays. JOUR PRVCA 72 054605
- ¹⁸⁴Au 2005ZH30 NUCLEAR REACTIONS ¹⁵⁹Tb(²⁹Si, 4n), E=140 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁸⁴Au deduced high-spin levels, J, π , configurations, signature inversion. GASP array. JOUR JPGPE 31 S1545
- ¹⁸⁴Pb 2005UU03 RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204}Po, ^{191,193,195,197,199}At, ^{196,198,200,202,204,206}Rn, ^{199,201,203,205,207}Fr(α); measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179

A=185

- ¹⁸⁵W 2005B047 NUCLEAR REACTIONS ¹⁸⁴W(n, γ), E=thermal; measured prompt and delayed E γ , I γ , $\gamma\gamma$ -coin. ¹⁸⁴W(polarized d, p), E=18, 21 MeV; ¹⁸⁶W(polarized d, t), E=22 MeV; measured particle spectra, $\sigma(\theta)$, asymmetry. ¹⁸⁵W deduced levels, J, π , γ -branching ratios, cross sections, binding energy, spectroscopic factors. DWBA analysis, quasiparticle-phonon model calculation. Enriched targets, Ge detectors, Q3D magnetic spectrograph. JOUR NUPAB 762 167
- ¹⁸⁵Re 2005CL07 NUCLEAR REACTIONS ¹⁸⁴W(⁷Li, xn), (⁷Li, xnp), (⁷Li, xn α), E=35-70 MeV; calculated σ . ¹⁸⁴W(⁷Li, X)¹⁸⁴Os / ¹⁸⁵Os / ¹⁸⁶Os / ¹⁸⁸Os / ¹⁸⁴Ir / ¹⁸⁵Ir / ¹⁸⁶Ir / ¹⁸³Re / ¹⁸⁵Re, E=40-70 MeV; measured E γ , I γ , $\gamma\gamma$ -, (charged particle) γ -coin, particle yield ratios. ¹⁶⁰Gd(⁷Li, xnp), E=35-65 MeV; analyzed σ . Liberace, Stars arrays. JOUR PRVCA 72 054605

A=185 (continued)

- ¹⁸⁵Os 2005CL07 NUCLEAR REACTIONS ¹⁸⁴W(⁷Li, xn), (⁷Li, xnp), (⁷Li, xnα), E=35-70 MeV; calculated σ . ¹⁸⁴W(⁷Li, X)¹⁸⁴Os / ¹⁸⁵Os / ¹⁸⁶Os / ¹⁸⁸Os / ¹⁸⁴Ir / ¹⁸⁵Ir / ¹⁸⁶Ir / ¹⁸³Re / ¹⁸⁵Re, E=40-70 MeV; measured E γ , I γ , $\gamma\gamma$ -, (charged particle) γ -coin, particle yield ratios. ¹⁶⁰Gd(⁷Li, xnp), E=35-65 MeV; analyzed σ . Liberace, Stars arrays. JOUR PRVCA 72 054605
- 2005TA26 NUCLEAR REACTIONS Ir(p, xnyp)¹⁸⁸Pt / ¹⁸⁹Pt / ¹⁹¹Pt / ¹⁸⁵Ir / ¹⁸⁶Ir / ¹⁸⁸Ir / ¹⁸⁹Ir / ¹⁹⁰Ir / ¹⁹²Ir / ¹⁸⁵Os, E \approx 3-70 MeV; measured σ ; deduced integral yields. Stacked-foil activation technique. JOUR NIMBE 239 293
- ¹⁸⁵Ir 2005CL07 NUCLEAR REACTIONS ¹⁸⁴W(⁷Li, xn), (⁷Li, xnp), (⁷Li, xnα), E=35-70 MeV; calculated σ . ¹⁸⁴W(⁷Li, X)¹⁸⁴Os / ¹⁸⁵Os / ¹⁸⁶Os / ¹⁸⁸Os / ¹⁸⁴Ir / ¹⁸⁵Ir / ¹⁸⁶Ir / ¹⁸³Re / ¹⁸⁵Re, E=40-70 MeV; measured E γ , I γ , $\gamma\gamma$ -, (charged particle) γ -coin, particle yield ratios. ¹⁶⁰Gd(⁷Li, xnp), E=35-65 MeV; analyzed σ . Liberace, Stars arrays. JOUR PRVCA 72 054605
- 2005TA26 NUCLEAR REACTIONS Ir(p, xnyp)¹⁸⁸Pt / ¹⁸⁹Pt / ¹⁹¹Pt / ¹⁸⁵Ir / ¹⁸⁶Ir / ¹⁸⁸Ir / ¹⁸⁹Ir / ¹⁹⁰Ir / ¹⁹²Ir / ¹⁸⁵Os, E \approx 3-70 MeV; measured σ ; deduced integral yields. Stacked-foil activation technique. JOUR NIMBE 239 293
- ¹⁸⁵Au 2005CA43 NUCLEAR REACTIONS ⁹²Mo(⁸⁴Sr, n2p), (⁸⁴Sr, 3p), (⁸⁴Sr, 2np), ¹⁰⁴Ru(⁸⁴Kr, 2np), ⁹⁰Zr(⁹⁰Zr, n), (⁹⁰Zr, p), E not given; ⁹²Mo(⁹⁰Zr, n), (⁹⁰Zr, p), E=385 MeV; measured E γ , I γ , $\gamma\gamma$ -, (recoil) γ -coin. ¹⁷⁹Hg deduced high-spin levels, J, π . Gammasphere array, fragment separator. JOUR JPGPE 31 S1599
- ¹⁸⁵Bi 2005GEZW ATOMIC MASSES ²³⁵Ac; measured mass, T_{1/2}. ^{185,186,187,188,189,190,191,192,193,194,195,196}Bi; measured masses, proton separation energies. ^{207m}Tl; measured T_{1/2}. Stored beams, Schottky mass spectrometry. PREPRINT nucl-ex/0510009,10/4/2005

A=186

- ¹⁸⁶Re 2005HA60 NUCLEAR REACTIONS ¹⁸⁵Re(n, γ), E=thermal; measured isomer yield ratio. Activation technique, astrophysical implications discussed. JOUR ASJOA 628 533
- ¹⁸⁶Os 2005CL07 NUCLEAR REACTIONS ¹⁸⁴W(⁷Li, xn), (⁷Li, xnp), (⁷Li, xnα), E=35-70 MeV; calculated σ . ¹⁸⁴W(⁷Li, X)¹⁸⁴Os / ¹⁸⁵Os / ¹⁸⁶Os / ¹⁸⁸Os / ¹⁸⁴Ir / ¹⁸⁵Ir / ¹⁸⁶Ir / ¹⁸³Re / ¹⁸⁵Re, E=40-70 MeV; measured E γ , I γ , $\gamma\gamma$ -, (charged particle) γ -coin, particle yield ratios. ¹⁶⁰Gd(⁷Li, xnp), E=35-65 MeV; analyzed σ . Liberace, Stars arrays. JOUR PRVCA 72 054605
- ¹⁸⁶Ir 2005CL07 NUCLEAR REACTIONS ¹⁸⁴W(⁷Li, xn), (⁷Li, xnp), (⁷Li, xnα), E=35-70 MeV; calculated σ . ¹⁸⁴W(⁷Li, X)¹⁸⁴Os / ¹⁸⁵Os / ¹⁸⁶Os / ¹⁸⁸Os / ¹⁸⁴Ir / ¹⁸⁵Ir / ¹⁸⁶Ir / ¹⁸³Re / ¹⁸⁵Re, E=40-70 MeV; measured E γ , I γ , $\gamma\gamma$ -, (charged particle) γ -coin, particle yield ratios. ¹⁶⁰Gd(⁷Li, xnp), E=35-65 MeV; analyzed σ . Liberace, Stars arrays. JOUR PRVCA 72 054605

A=186 (continued)

- 2005TA26 NUCLEAR REACTIONS Ir(p, xnyp)¹⁸⁸Pt / ¹⁸⁹Pt / ¹⁹¹Pt / ¹⁸⁵Ir / ¹⁸⁶Ir / ¹⁸⁸Ir / ¹⁸⁹Ir / ¹⁹⁰Ir / ¹⁹²Ir / ¹⁸⁵Os, E ≈ 3-70 MeV; measured σ ; deduced integral yields. Stacked-foil activation technique. JOUR NIMBE 239 293
- ¹⁸⁶Pb 2005PA69 NUCLEAR REACTIONS ¹⁰⁶Pd(⁸³Kr, 3n), E=355 MeV; measured E γ , I γ , $\gamma\gamma$ -, (recoil) γ -coin; deduced production σ . ¹⁸⁶Pb deduced levels, J, π , deformation. Jurogam array, recoil-decay tagging. JOUR ZAANE 25 s01 449
- 2005UU03 RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204}Po, ^{191,193,195,197,199}At, ^{196,198,200,202,204,206}Rn, ^{199,201,203,205,207}Fr(α); measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179
- ¹⁸⁶Bi 2005GEZW ATOMIC MASSES ²³⁵Ac; measured mass, T_{1/2}. ^{185,186,187,188,189,190,191,192,193,194,195,196}Bi; measured masses, proton separation energies. ^{207m}Tl; measured T_{1/2}. Stored beams, Schottky mass spectrometry. PREPRINT nucl-ex/0510009,10/4/2005

A=187

- ¹⁸⁷Pb 2005WE11 ATOMIC MASSES ^{187,187m}Pb; measured masses. ¹⁸⁷Pb deduced isomeric state energy. Penning trap mass spectrometer. JOUR PYLAA 347 81
- ¹⁸⁷Bi 2005GEZW ATOMIC MASSES ²³⁵Ac; measured mass, T_{1/2}. ^{185,186,187,188,189,190,191,192,193,194,195,196}Bi; measured masses, proton separation energies. ^{207m}Tl; measured T_{1/2}. Stored beams, Schottky mass spectrometry. PREPRINT nucl-ex/0510009,10/4/2005
- 2005KE10 RADIOACTIVITY ^{191,193,195}At(α); measured E α , E γ , $\gamma\alpha$ -coin. ^{191,193,195}At deduced levels, J, π , configurations, proton separation energies. ^{187,189,191}Bi deduced levels J, π , configurations. Comparison with theory. JOUR ZAANE 25 s01 181
- 2005UU03 RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204}Po, ^{191,193,195,197,199}At, ^{196,198,200,202,204,206}Rn, ^{199,201,203,205,207}Fr(α); measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179

A=188

- ¹⁸⁸Os 2004M054 NUCLEAR REACTIONS ¹⁹²Os(⁸²Se, X)¹⁸⁸Os / ¹⁹⁰Os, E=460 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ^{188,190}Os deduced high-spin levels, J, π . GASP array. JOUR BJPHE 34 792

A=188 (continued)

- 2005CL07 NUCLEAR REACTIONS $^{184}\text{W}(^7\text{Li}, \text{xn}), (^7\text{Li}, \text{xnp}), (^7\text{Li}, \text{xn}\alpha)$,
E=35-70 MeV; calculated σ . $^{184}\text{W}(^7\text{Li}, \text{X})^{184}\text{Os} / ^{185}\text{Os} / ^{186}\text{Os} /$
 $^{188}\text{Os} / ^{184}\text{Ir} / ^{185}\text{Ir} / ^{186}\text{Ir} / ^{183}\text{Re} / ^{185}\text{Re}$, E=40-70 MeV; measured
E γ , I γ , $\gamma\gamma$ -, (charged particle) γ -coin, particle yield ratios. $^{160}\text{Gd}(^7\text{Li},$
xnp), E=35-65 MeV; analyzed σ . Liberace, Stars arrays. JOUR
PRVCA 72 054605
- ^{188}Ir 2005TA26 NUCLEAR REACTIONS Ir(p, xnyp) $^{188}\text{Pt} / ^{189}\text{Pt} / ^{191}\text{Pt} / ^{185}\text{Ir} /$
 $^{186}\text{Ir} / ^{188}\text{Ir} / ^{189}\text{Ir} / ^{190}\text{Ir} / ^{192}\text{Ir} / ^{185}\text{Os}$, E \approx 3-70 MeV; measured σ ;
deduced integral yields. Stacked-foil activation technique. JOUR
NIMBE 239 293
- ^{188}Pt 2005TA26 NUCLEAR REACTIONS Ir(p, xnyp) $^{188}\text{Pt} / ^{189}\text{Pt} / ^{191}\text{Pt} / ^{185}\text{Ir} /$
 $^{186}\text{Ir} / ^{188}\text{Ir} / ^{189}\text{Ir} / ^{190}\text{Ir} / ^{192}\text{Ir} / ^{185}\text{Os}$, E \approx 3-70 MeV; measured σ ;
deduced integral yields. Stacked-foil activation technique. JOUR
NIMBE 239 293
- ^{188}Pb 2005GR35 NUCLEAR REACTIONS $^{108}\text{Pd}(^{83}\text{Kr}, 3\text{n})$, E=340 MeV; measured
Doppler-shifted E γ , I γ , (recoil) γ -coin. ^{188}Pb levels deduced T $_{1/2}$,
B(E2), deformation. Jurogam array, mass separator, recoil-distance
technique. JOUR ZAANE 25 s01 441
- 2005UU03 RADIOACTIVITY $^{188,190,192,194,196,198,200,202,204}\text{Po}$,
 $^{191,193,195,197,199}\text{At}$, $^{196,198,200,202,204,206}\text{Rn}$, $^{199,201,203,205,207}\text{Fr}(\alpha)$;
measured reduced widths using gas filled recoil separator; deduced
hindrance factors, proton intruder states and deformation effects.
JOUR ZAANE 25 s01 179
- ^{188}Bi 2005GEZW ATOMIC MASSES ^{235}Ac ; measured mass, T $_{1/2}$.
 $^{185,186,187,188,189,190,191,192,193,194,195,196}\text{Bi}$; measured masses, proton
separation energies. $^{207\text{m}}\text{Tl}$; measured T $_{1/2}$. Stored beams, Schottky
mass spectrometry. PREPRINT nucl-ex/0510009,10/4/2005
- ^{188}Po 2005UU03 RADIOACTIVITY $^{188,190,192,194,196,198,200,202,204}\text{Po}$,
 $^{191,193,195,197,199}\text{At}$, $^{196,198,200,202,204,206}\text{Rn}$, $^{199,201,203,205,207}\text{Fr}(\alpha)$;
measured reduced widths using gas filled recoil separator; deduced
hindrance factors, proton intruder states and deformation effects.
JOUR ZAANE 25 s01 179

A=189

- ^{189}Ir 2005TA26 NUCLEAR REACTIONS Ir(p, xnyp) $^{188}\text{Pt} / ^{189}\text{Pt} / ^{191}\text{Pt} / ^{185}\text{Ir} /$
 $^{186}\text{Ir} / ^{188}\text{Ir} / ^{189}\text{Ir} / ^{190}\text{Ir} / ^{192}\text{Ir} / ^{185}\text{Os}$, E \approx 3-70 MeV; measured σ ;
deduced integral yields. Stacked-foil activation technique. JOUR
NIMBE 239 293
- ^{189}Pt 2005TA26 NUCLEAR REACTIONS Ir(p, xnyp) $^{188}\text{Pt} / ^{189}\text{Pt} / ^{191}\text{Pt} / ^{185}\text{Ir} /$
 $^{186}\text{Ir} / ^{188}\text{Ir} / ^{189}\text{Ir} / ^{190}\text{Ir} / ^{192}\text{Ir} / ^{185}\text{Os}$, E \approx 3-70 MeV; measured σ ;
deduced integral yields. Stacked-foil activation technique. JOUR
NIMBE 239 293
- ^{189}Bi 2005GEZW ATOMIC MASSES ^{235}Ac ; measured mass, T $_{1/2}$.
 $^{185,186,187,188,189,190,191,192,193,194,195,196}\text{Bi}$; measured masses, proton
separation energies. $^{207\text{m}}\text{Tl}$; measured T $_{1/2}$. Stored beams, Schottky
mass spectrometry. PREPRINT nucl-ex/0510009,10/4/2005

A=189 (continued)

- 2005KE10 RADIOACTIVITY $^{191,193,195}\text{At}(\alpha)$; measured $E\alpha$, $E\gamma$, $\gamma\alpha$ -coin. $^{191,193,195}\text{At}$ deduced levels, J, π , configurations, proton separation energies. $^{187,189,191}\text{Bi}$ deduced levels J, π , configurations. Comparison with theory. JOUR ZAANE 25 s01 181
- 2005UU03 RADIOACTIVITY $^{188,190,192,194,196,198,200,202,204}\text{Po}$, $^{191,193,195,197,199}\text{At}$, $^{196,198,200,202,204,206}\text{Rn}$, $^{199,201,203,205,207}\text{Fr}(\alpha)$; measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179

A=190

- ^{190}Os 2004M054 NUCLEAR REACTIONS $^{192}\text{Os}(^{82}\text{Se}, \text{X})^{188}\text{Os}$ / ^{190}Os , E=460 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{188,190}\text{Os}$ deduced high-spin levels, J, π . GASP array. JOUR BJPHE 34 792
- 2005ME19 NUCLEAR REACTIONS ^{160}Gd , ^{164}Dy , ^{170}Er , ^{178}Hf , ^{186}W , $^{192}\text{Os}(\text{p}, \text{t})$, E=25 MeV; measured triton spectra, $\sigma(\theta)$. ^{158}Gd , ^{162}Dy , ^{168}Er , ^{176}Hf , ^{184}W , ^{190}Os deduced 0^+ level energies. JOUR JPGPE 31 S1399
- ^{190}Ir 2005TA26 NUCLEAR REACTIONS $\text{Ir}(\text{p}, \text{xnyp})^{188}\text{Pt}$ / ^{189}Pt / ^{191}Pt / ^{185}Ir / ^{186}Ir / ^{188}Ir / ^{189}Ir / ^{190}Ir / ^{192}Ir / ^{185}Os , E \approx 3-70 MeV; measured σ ; deduced integral yields. Stacked-foil activation technique. JOUR NIMBE 239 293
- ^{190}Tl 2005XI06 NUCLEAR REACTIONS $^{160}\text{Gd}(^{35}\text{Cl}, 5\text{n})$, E=167, 175 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{190}Tl deduced levels, J, π , configurations, rotational band, signature inversion. Total Routhian surface calculations. JOUR PRVCA 72 044302
- 2005ZH31 NUCLEAR REACTIONS $^{160}\text{Gd}(^{35}\text{Cl}, 5\text{n})$, E=167 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{190}Tl deduced levels, J, π , configurations, rotational band signature inversion. Level systematics in neighboring isotopes discussed. JOUR JPGPE 31 S1985
- ^{190}Pb 2005UU03 RADIOACTIVITY $^{188,190,192,194,196,198,200,202,204}\text{Po}$, $^{191,193,195,197,199}\text{At}$, $^{196,198,200,202,204,206}\text{Rn}$, $^{199,201,203,205,207}\text{Fr}(\alpha)$; measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179
- ^{190}Bi 2005GEZW ATOMIC MASSES ^{235}Ac ; measured mass, $T_{1/2}$. $^{185,186,187,188,189,190,191,192,193,194,195,196}\text{Bi}$; measured masses, proton separation energies. $^{207\text{m}}\text{Tl}$; measured $T_{1/2}$. Stored beams, Schottky mass spectrometry. PREPRINT nucl-ex/0510009,10/4/2005
- ^{190}Po 2005UU03 RADIOACTIVITY $^{188,190,192,194,196,198,200,202,204}\text{Po}$, $^{191,193,195,197,199}\text{At}$, $^{196,198,200,202,204,206}\text{Rn}$, $^{199,201,203,205,207}\text{Fr}(\alpha)$; measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179

A=191

- ¹⁹¹Os 2005J019 NUCLEAR REACTIONS ¹⁹²Os(⁸²Se, X)¹⁹¹Os, E=460 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁹¹Os deduced levels, J, π , branching ratios, configurations, isomeric state features. GASP array. JOUR JPGPE 31 S1891
- ¹⁹¹Pt 2005TA26 NUCLEAR REACTIONS Ir(p, xnyp)¹⁸⁸Pt / ¹⁸⁹Pt / ¹⁹¹Pt / ¹⁸⁵Ir / ¹⁸⁶Ir / ¹⁸⁸Ir / ¹⁸⁹Ir / ¹⁹⁰Ir / ¹⁹²Ir / ¹⁸⁵Os, E \approx 3-70 MeV; measured σ ; deduced integral yields. Stacked-foil activation technique. JOUR NIMBE 239 293
- 2006DI01 NUCLEAR REACTIONS Pt(d, X)¹⁹¹Au / ¹⁹²Au / ¹⁹³Au / ¹⁹⁴Au / ¹⁹⁵Au / ¹⁹⁶Au / ^{196m}Au / ¹⁹⁸Au / ¹⁹⁹Au / ¹⁹¹Pt / ^{195m}Pt / ¹⁹⁷Pt / ¹⁹²Ir, E \approx 10-40 MeV; measured production σ . Stacked-foil activation technique, comparison with model predictions. JOUR NIMBE 243 20
- ¹⁹¹Au 2006DI01 NUCLEAR REACTIONS Pt(d, X)¹⁹¹Au / ¹⁹²Au / ¹⁹³Au / ¹⁹⁴Au / ¹⁹⁵Au / ¹⁹⁶Au / ^{196m}Au / ¹⁹⁸Au / ¹⁹⁹Au / ¹⁹¹Pt / ^{195m}Pt / ¹⁹⁷Pt / ¹⁹²Ir, E \approx 10-40 MeV; measured production σ . Stacked-foil activation technique, comparison with model predictions. JOUR NIMBE 243 20
- ¹⁹¹Bi 2005GEZW ATOMIC MASSES ²³⁵Ac; measured mass, T_{1/2}. 185,186,187,188,189,190,191,192,193,194,195,196Bi; measured masses, proton separation energies. ^{207m}Tl; measured T_{1/2}. Stored beams, Schottky mass spectrometry. PREPRINT nucl-ex/0510009,10/4/2005
- 2005KE10 RADIOACTIVITY ^{191,193,195}At(α); measured E α , E γ , $\gamma\alpha$ -coin. ^{191,193,195}At deduced levels, J, π , configurations, proton separation energies. ^{187,189,191}Bi deduced levels J, π , configurations. Comparison with theory. JOUR ZAANE 25 s01 181
- 2005UU03 RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204}Po, ^{191,193,195,197,199}At, ^{196,198,200,202,204,206}Rn, ^{199,201,203,205,207}Fr(α); measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179
- ¹⁹¹At 2005KE10 NUCLEAR REACTIONS ¹⁴²Nd(⁵⁶Fe, 2np), E=262 MeV; ¹⁴¹Pr(⁵⁶Fe, 4n), E=266 MeV; ¹⁴¹Pr(⁵⁴Fe, 4n), E=260 MeV; measured production σ . JOUR ZAANE 25 s01 181
- 2005KE10 RADIOACTIVITY ^{191,193,195}At(α); measured E α , E γ , $\gamma\alpha$ -coin. ^{191,193,195}At deduced levels, J, π , configurations, proton separation energies. ^{187,189,191}Bi deduced levels J, π , configurations. Comparison with theory. JOUR ZAANE 25 s01 181
- 2005UU03 RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204}Po, ^{191,193,195,197,199}At, ^{196,198,200,202,204,206}Rn, ^{199,201,203,205,207}Fr(α); measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179

A=192

- ¹⁹²Ir 2005TA26 NUCLEAR REACTIONS Ir(p, xnyp)¹⁸⁸Pt / ¹⁸⁹Pt / ¹⁹¹Pt / ¹⁸⁵Ir / ¹⁸⁶Ir / ¹⁸⁸Ir / ¹⁸⁹Ir / ¹⁹⁰Ir / ¹⁹²Ir / ¹⁸⁵Os, E \approx 3-70 MeV; measured σ ; deduced integral yields. Stacked-foil activation technique. JOUR NIMBE 239 293

A=192 (continued)

	2006DI01	NUCLEAR REACTIONS Pt(d, X) ¹⁹¹ Au / ¹⁹² Au / ¹⁹³ Au / ¹⁹⁴ Au / ¹⁹⁵ Au / ¹⁹⁶ Au / ^{196m} Au / ¹⁹⁸ Au / ¹⁹⁹ Au / ¹⁹¹ Pt / ^{195m} Pt / ¹⁹⁷ Pt / ¹⁹² Ir, E ≈ 10-40 MeV; measured production σ. Stacked-foil activation technique, comparison with model predictions. JOUR NIMBE 243 20
¹⁹² Au	2006DI01	NUCLEAR REACTIONS Pt(d, X) ¹⁹¹ Au / ¹⁹² Au / ¹⁹³ Au / ¹⁹⁴ Au / ¹⁹⁵ Au / ¹⁹⁶ Au / ^{196m} Au / ¹⁹⁸ Au / ¹⁹⁹ Au / ¹⁹¹ Pt / ^{195m} Pt / ¹⁹⁷ Pt / ¹⁹² Ir, E ≈ 10-40 MeV; measured production σ. Stacked-foil activation technique, comparison with model predictions. JOUR NIMBE 243 20
¹⁹² Pb	2005UU03	RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204} Po, ^{191,193,195,197,199} At, ^{196,198,200,202,204,206} Rn, ^{199,201,203,205,207} Fr(α); measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179
¹⁹² Bi	2005GEZW	ATOMIC MASSES ²³⁵ Ac; measured mass, T _{1/2} . ^{185,186,187,188,189,190,191,192,193,194,195,196} Bi; measured masses, proton separation energies. ^{207m} Tl; measured T _{1/2} . Stored beams, Schottky mass spectrometry. PREPRINT nucl-ex/0510009,10/4/2005
¹⁹² Po	2005UU03	RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204} Po, ^{191,193,195,197,199} At, ^{196,198,200,202,204,206} Rn, ^{199,201,203,205,207} Fr(α); measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179

A=193

¹⁹³ Os	2004ZA15	RADIOACTIVITY ¹⁹³ Os(β ⁻) [from ¹⁹² Os(n, γ)]; measured Eγ, Iγ, γγ-coin. ¹⁹³ Ir deduced levels, transition intensities. JOUR BJPHE 34 719
	2005ZA15	RADIOACTIVITY ¹⁹³ Os(β ⁻) [from ¹⁹² Os(n, γ)]; measured Eγ, Iγ, γγ-coin. ¹⁹³ Ir deduced levels, J, π. JOUR BJPHE 35 843
¹⁹³ Ir	2004ZA15	RADIOACTIVITY ¹⁹³ Os(β ⁻) [from ¹⁹² Os(n, γ)]; measured Eγ, Iγ, γγ-coin. ¹⁹³ Ir deduced levels, transition intensities. JOUR BJPHE 34 719
	2005ZA15	RADIOACTIVITY ¹⁹³ Os(β ⁻) [from ¹⁹² Os(n, γ)]; measured Eγ, Iγ, γγ-coin. ¹⁹³ Ir deduced levels, J, π. JOUR BJPHE 35 843
¹⁹³ Au	2006DI01	NUCLEAR REACTIONS Pt(d, X) ¹⁹¹ Au / ¹⁹² Au / ¹⁹³ Au / ¹⁹⁴ Au / ¹⁹⁵ Au / ¹⁹⁶ Au / ^{196m} Au / ¹⁹⁸ Au / ¹⁹⁹ Au / ¹⁹¹ Pt / ^{195m} Pt / ¹⁹⁷ Pt / ¹⁹² Ir, E ≈ 10-40 MeV; measured production σ. Stacked-foil activation technique, comparison with model predictions. JOUR NIMBE 243 20
¹⁹³ Pb	2005GL09	NUCLEAR REACTIONS ¹⁷⁰ Er(²⁸ Si, 5n), E=149 MeV; measured Eγ, Iγ, γγ-coin, DSA. ¹⁹³ Pb deduced magnetic rotational band levels T _{1/2} . GASP array, recoil-distance and Doppler-shift attenuation methods used. JOUR JPGPE 31 S1559
¹⁹³ Bi	2005GEZW	ATOMIC MASSES ²³⁵ Ac; measured mass, T _{1/2} . ^{185,186,187,188,189,190,191,192,193,194,195,196} Bi; measured masses, proton separation energies. ^{207m} Tl; measured T _{1/2} . Stored beams, Schottky mass spectrometry. PREPRINT nucl-ex/0510009,10/4/2005

A=193 (continued)

- 2005UU03 RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204}Po,
^{191,193,195,197,199}At, ^{196,198,200,202,204,206}Rn, ^{199,201,203,205,207}Fr(α);
measured reduced widths using gas filled recoil separator; deduced
hindrance factors, proton intruder states and deformation effects.
JOUR ZAANE 25 s01 179
- ¹⁹³At 2005KE10 NUCLEAR REACTIONS ¹⁴²Nd(⁵⁶Fe, 2np), E=262 MeV; ¹⁴¹Pr(⁵⁶Fe,
4n), E=266 MeV; ¹⁴¹Pr(⁵⁴Fe, 4n), E=260 MeV; measured production
 σ . JOUR ZAANE 25 s01 181
- 2005KE10 RADIOACTIVITY ^{191,193,195}At(α); measured E α , E γ , $\gamma\alpha$ -coin.
^{191,193,195}At deduced levels, J, π , configurations, proton separation
energies. ^{187,189,191}Bi deduced levels J, π , configurations. Comparison
with theory. JOUR ZAANE 25 s01 181
- 2005UU03 RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204}Po,
^{191,193,195,197,199}At, ^{196,198,200,202,204,206}Rn, ^{199,201,203,205,207}Fr(α);
measured reduced widths using gas filled recoil separator; deduced
hindrance factors, proton intruder states and deformation effects.
JOUR ZAANE 25 s01 179

A=194

- ¹⁹⁴Pt 2005SH52 ATOMIC MASSES ^{194,195,196,198}Pt; measured masses. Penning trap
mass spectrometer. JOUR ZAANE 25 s01 45
- ¹⁹⁴Au 2006DI01 NUCLEAR REACTIONS Pt(d, X)¹⁹¹Au / ¹⁹²Au / ¹⁹³Au / ¹⁹⁴Au /
¹⁹⁵Au / ¹⁹⁶Au / ^{196m}Au / ¹⁹⁸Au / ¹⁹⁹Au / ¹⁹¹Pt / ^{195m}Pt / ¹⁹⁷Pt /
¹⁹²Ir, E \approx 10-40 MeV; measured production σ . Stacked-foil activation
technique, comparison with model predictions. JOUR NIMBE 243 20
- ¹⁹⁴Pb 2005DRZW NUCLEAR REACTIONS ¹⁷⁰Er(²⁹Si, 5n), E=147 MeV; ¹⁷⁰Er(³⁰Si,
4n), E=138 MeV; measured prompt and delayed E γ , I γ , $\gamma\gamma$ -coin.
^{194,196}Pb deduced levels, J, π , configurations, isomers T_{1/2} and decay
B(E1), B(E2), B(E3). Caesar array, potential energy surface
calculations. PREPRINT ANU-P/1662,Dracoulis
- 2005UU03 RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204}Po,
^{191,193,195,197,199}At, ^{196,198,200,202,204,206}Rn, ^{199,201,203,205,207}Fr(α);
measured reduced widths using gas filled recoil separator; deduced
hindrance factors, proton intruder states and deformation effects.
JOUR ZAANE 25 s01 179
- ¹⁹⁴Bi 2005GEZW ATOMIC MASSES ²³⁵Ac; measured mass, T_{1/2}.
^{185,186,187,188,189,190,191,192,193,194,195,196}Bi; measured masses, proton
separation energies. ^{207m}Tl; measured T_{1/2}. Stored beams, Schottky
mass spectrometry. PREPRINT nucl-ex/0510009,10/4/2005
- ¹⁹⁴Po 2005UU03 RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204}Po,
^{191,193,195,197,199}At, ^{196,198,200,202,204,206}Rn, ^{199,201,203,205,207}Fr(α);
measured reduced widths using gas filled recoil separator; deduced
hindrance factors, proton intruder states and deformation effects.
JOUR ZAANE 25 s01 179

A=195

^{195}Pt	2005SH52	ATOMIC MASSES $^{194,195,196,198}\text{Pt}$; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 45
	2006DI01	NUCLEAR REACTIONS $\text{Pt}(d, X)^{191}\text{Au} / ^{192}\text{Au} / ^{193}\text{Au} / ^{194}\text{Au} / ^{195}\text{Au} / ^{196}\text{Au} / ^{196m}\text{Au} / ^{198}\text{Au} / ^{199}\text{Au} / ^{191}\text{Pt} / ^{195m}\text{Pt} / ^{197}\text{Pt} / ^{192}\text{Ir}$, $E \approx 10\text{-}40$ MeV; measured production σ . Stacked-foil activation technique, comparison with model predictions. JOUR NIMBE 243 20
^{195}Au	2006DI01	NUCLEAR REACTIONS $\text{Pt}(d, X)^{191}\text{Au} / ^{192}\text{Au} / ^{193}\text{Au} / ^{194}\text{Au} / ^{195}\text{Au} / ^{196}\text{Au} / ^{196m}\text{Au} / ^{198}\text{Au} / ^{199}\text{Au} / ^{191}\text{Pt} / ^{195m}\text{Pt} / ^{197}\text{Pt} / ^{192}\text{Ir}$, $E \approx 10\text{-}40$ MeV; measured production σ . Stacked-foil activation technique, comparison with model predictions. JOUR NIMBE 243 20
^{195}Bi	2005GEZW	ATOMIC MASSES ^{235}Ac ; measured mass, $T_{1/2}$. $^{185,186,187,188,189,190,191,192,193,194,195,196}\text{Bi}$; measured masses, proton separation energies. ^{207m}Tl ; measured $T_{1/2}$. Stored beams, Schottky mass spectrometry. PREPRINT nucl-ex/0510009,10/4/2005
	2005UU03	RADIOACTIVITY $^{188,190,192,194,196,198,200,202,204}\text{Po}$, $^{191,193,195,197,199}\text{At}$, $^{196,198,200,202,204,206}\text{Rn}$, $^{199,201,203,205,207}\text{Fr}(\alpha)$; measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179
^{195}At	2005KE10	NUCLEAR REACTIONS $^{142}\text{Nd}(^{56}\text{Fe}, 2np)$, $E=262$ MeV; $^{141}\text{Pr}(^{56}\text{Fe}, 4n)$, $E=266$ MeV; $^{141}\text{Pr}(^{54}\text{Fe}, 4n)$, $E=260$ MeV; measured production σ . JOUR ZAANE 25 s01 181
	2005KE10	RADIOACTIVITY $^{191,193,195}\text{At}(\alpha)$; measured $E\alpha$, $E\gamma$, $\gamma\alpha$ -coin. $^{191,193,195}\text{At}$ deduced levels, J , π , configurations, proton separation energies. $^{187,189,191}\text{Bi}$ deduced levels J , π , configurations. Comparison with theory. JOUR ZAANE 25 s01 181
	2005UU03	RADIOACTIVITY $^{188,190,192,194,196,198,200,202,204}\text{Po}$, $^{191,193,195,197,199}\text{At}$, $^{196,198,200,202,204,206}\text{Rn}$, $^{199,201,203,205,207}\text{Fr}(\alpha)$; measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179

A=196

^{196}Pt	2005SH52	ATOMIC MASSES $^{194,195,196,198}\text{Pt}$; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 45
^{196}Au	2005WA31	NUCLEAR REACTIONS $^{92,98,100}\text{Mo}(\gamma, \gamma')$, $E=13.2$ MeV bremsstrahlung; measured $E\gamma$, $I\gamma$. $^{92,100}\text{Mo}$, $^{197}\text{Au}(\gamma, n)$, $^{92}\text{Mo}(\gamma, p)$, (γ, α) , $E \approx 11.8\text{-}16.5$ MeV bremsstrahlung; measured integrated σ . JOUR JPGPE 31 S1969
	2006DI01	NUCLEAR REACTIONS $\text{Pt}(d, X)^{191}\text{Au} / ^{192}\text{Au} / ^{193}\text{Au} / ^{194}\text{Au} / ^{195}\text{Au} / ^{196}\text{Au} / ^{196m}\text{Au} / ^{198}\text{Au} / ^{199}\text{Au} / ^{191}\text{Pt} / ^{195m}\text{Pt} / ^{197}\text{Pt} / ^{192}\text{Ir}$, $E \approx 10\text{-}40$ MeV; measured production σ . Stacked-foil activation technique, comparison with model predictions. JOUR NIMBE 243 20

A=196 (continued)

- ¹⁹⁶Pb 2005DRZW NUCLEAR REACTIONS ¹⁷⁰Er(²⁹Si, 5n), E=147 MeV; ¹⁷⁰Er(³⁰Si, 4n), E=138 MeV; measured prompt and delayed E γ , I γ , $\gamma\gamma$ -coin. ^{194,196}Pb deduced levels, J, π , configurations, isomers T_{1/2} and decay B(E1), B(E2), B(E3). Caesar array, potential energy surface calculations. PREPRINT ANU-P/1662,Dracoulis
- 2005UU03 RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204}Po, ^{191,193,195,197,199}At, ^{196,198,200,202,204,206}Rn, ^{199,201,203,205,207}Fr(α); measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179
- 2005WI21 NUCLEAR REACTIONS ¹⁷⁰Er(³⁰Si, 4n), E=144 MeV; measured prompt and delayed E γ , I γ , $\gamma\gamma$ -coin. ¹⁹⁶Pb deduced superdeformed band excitation energy, J, π . Euroball IV array, time-correlated spectroscopy. JOUR PRLTA 95 182501
- 2005WIZY NUCLEAR REACTIONS ¹⁷⁰Er(³⁰Si, 4n), E=144 MeV; measured prompt and delayed E γ , I γ , $\gamma\gamma$ -coin. ¹⁹⁶Pb deduced superdeformed band excitation energy. Euroball IV array, time-correlated spectroscopy. Level systematics in neighboring nuclides discussed. PREPRINT ANU-P/1667,Wilson
- ¹⁹⁶Bi 2005GEZW ATOMIC MASSES ²³⁵Ac; measured mass, T_{1/2}. ^{185,186,187,188,189,190,191,192,193,194,195,196}Bi; measured masses, proton separation energies. ^{207m}Tl; measured T_{1/2}. Stored beams, Schottky mass spectrometry. PREPRINT nucl-ex/0510009,10/4/2005
- ¹⁹⁶Po 2005UU03 RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204}Po, ^{191,193,195,197,199}At, ^{196,198,200,202,204,206}Rn, ^{199,201,203,205,207}Fr(α); measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179
- ¹⁹⁶Rn 2005UU03 RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204}Po, ^{191,193,195,197,199}At, ^{196,198,200,202,204,206}Rn, ^{199,201,203,205,207}Fr(α); measured reduced widths using gas filled recoil separator; deduced hindrance factors, proton intruder states and deformation effects. JOUR ZAANE 25 s01 179

A=197

- ¹⁹⁷Pt 2006DI01 NUCLEAR REACTIONS Pt(d, X)¹⁹¹Au / ¹⁹²Au / ¹⁹³Au / ¹⁹⁴Au / ¹⁹⁵Au / ¹⁹⁶Au / ^{196m}Au / ¹⁹⁸Au / ¹⁹⁹Au / ¹⁹¹Pt / ^{195m}Pt / ¹⁹⁷Pt / ¹⁹²Ir, E \approx 10-40 MeV; measured production σ . Stacked-foil activation technique, comparison with model predictions. JOUR NIMBE 243 20
- ¹⁹⁷Au 2005CH66 NUCLEAR REACTIONS ²⁰⁹Bi(²⁶Mg, ²⁶Mg'), E=78.6 MeV / nucleon; ¹⁹⁷Au(³²Mg, ³²Mg'), E=81.1 MeV / nucleon; ²⁰⁹Bi(³⁴Mg, ³⁴Mg'), E=76.4 MeV / nucleon; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{26,32,34}Mg deduced transitions B(E2), deformation parameters. Comparison with previous work, model predictions. JOUR PRVCA 72 054320

A=197 (continued)

¹⁹⁷At 2005UU03 RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204}Po,
^{191,193,195,197,199}At, ^{196,198,200,202,204,206}Rn, ^{199,201,203,205,207}Fr(α);
 measured reduced widths using gas filled recoil separator; deduced
 hindrance factors, proton intruder states and deformation effects.
 JOUR ZAANE 25 s01 179

A=198

¹⁹⁸Pt 2005SH52 ATOMIC MASSES ^{194,195,196,198}Pt; measured masses. Penning trap
 mass spectrometer. JOUR ZAANE 25 s01 45

¹⁹⁸Au 2004TA46 NUCLEAR REACTIONS ¹⁹⁸Pt(p, n), E \approx 6-37 MeV; ¹⁹⁸Pt(d, n), (d,
 2n), E \approx 5-20 MeV; measured excitation functions. Activation
 technique. JOUR RAACA 92 223

2005SE23 NUCLEAR REACTIONS ¹⁹⁷Au(n, γ), E=spectrum; measured E γ , I γ ;
 deduced neutron flux. ⁷Li(p, n), E not given; deduced neutron
 spectrum. ⁶²Ni(n, γ), E \approx 5.5-20 keV; measured σ ; deduced
 Maxwellian-averaged σ . JOUR JUPSA 74 2981

2006DI01 NUCLEAR REACTIONS Pt(d, X)¹⁹¹Au / ¹⁹²Au / ¹⁹³Au / ¹⁹⁴Au /
¹⁹⁵Au / ¹⁹⁶Au / ^{196m}Au / ¹⁹⁸Au / ¹⁹⁹Au / ¹⁹¹Pt / ^{195m}Pt / ¹⁹⁷Pt /
¹⁹²Ir, E \approx 10-40 MeV; measured production σ . Stacked-foil activation
 technique, comparison with model predictions. JOUR NIMBE 243 20

¹⁹⁸Pb 2005UU03 RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204}Po,
^{191,193,195,197,199}At, ^{196,198,200,202,204,206}Rn, ^{199,201,203,205,207}Fr(α);
 measured reduced widths using gas filled recoil separator; deduced
 hindrance factors, proton intruder states and deformation effects.
 JOUR ZAANE 25 s01 179

¹⁹⁸Po 2005UU03 RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204}Po,
^{191,193,195,197,199}At, ^{196,198,200,202,204,206}Rn, ^{199,201,203,205,207}Fr(α);
 measured reduced widths using gas filled recoil separator; deduced
 hindrance factors, proton intruder states and deformation effects.
 JOUR ZAANE 25 s01 179

¹⁹⁸Rn 2005UU03 RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204}Po,
^{191,193,195,197,199}At, ^{196,198,200,202,204,206}Rn, ^{199,201,203,205,207}Fr(α);
 measured reduced widths using gas filled recoil separator; deduced
 hindrance factors, proton intruder states and deformation effects.
 JOUR ZAANE 25 s01 179

A=199

¹⁹⁹Au 2004TA46 NUCLEAR REACTIONS ¹⁹⁸Pt(p, n), E \approx 6-37 MeV; ¹⁹⁸Pt(d, n), (d,
 2n), E \approx 5-20 MeV; measured excitation functions. Activation
 technique. JOUR RAACA 92 223

2006DI01 NUCLEAR REACTIONS Pt(d, X)¹⁹¹Au / ¹⁹²Au / ¹⁹³Au / ¹⁹⁴Au /
¹⁹⁵Au / ¹⁹⁶Au / ^{196m}Au / ¹⁹⁸Au / ¹⁹⁹Au / ¹⁹¹Pt / ^{195m}Pt / ¹⁹⁷Pt /
¹⁹²Ir, E \approx 10-40 MeV; measured production σ . Stacked-foil activation
 technique, comparison with model predictions. JOUR NIMBE 243 20

A=199 (continued)

- ^{199}At 2005UU03 RADIOACTIVITY 188,190,192,194,196,198,200,202,204Po,
191,193,195,197,199At, 196,198,200,202,204,206Rn, 199,201,203,205,207Fr(α);
measured reduced widths using gas filled recoil separator; deduced
hindrance factors, proton intruder states and deformation effects.
JOUR ZAANE 25 s01 179
- ^{199}Fr 2005UU03 RADIOACTIVITY 188,190,192,194,196,198,200,202,204Po,
191,193,195,197,199At, 196,198,200,202,204,206Rn, 199,201,203,205,207Fr(α);
measured reduced widths using gas filled recoil separator; deduced
hindrance factors, proton intruder states and deformation effects.
JOUR ZAANE 25 s01 179

A=200

- ^{200}Pb 2005UU03 RADIOACTIVITY 188,190,192,194,196,198,200,202,204Po,
191,193,195,197,199At, 196,198,200,202,204,206Rn, 199,201,203,205,207Fr(α);
measured reduced widths using gas filled recoil separator; deduced
hindrance factors, proton intruder states and deformation effects.
JOUR ZAANE 25 s01 179
- ^{200}Po 2005UU03 RADIOACTIVITY 188,190,192,194,196,198,200,202,204Po,
191,193,195,197,199At, 196,198,200,202,204,206Rn, 199,201,203,205,207Fr(α);
measured reduced widths using gas filled recoil separator; deduced
hindrance factors, proton intruder states and deformation effects.
JOUR ZAANE 25 s01 179
- ^{200}Rn 2005UU03 RADIOACTIVITY 188,190,192,194,196,198,200,202,204Po,
191,193,195,197,199At, 196,198,200,202,204,206Rn, 199,201,203,205,207Fr(α);
measured reduced widths using gas filled recoil separator; deduced
hindrance factors, proton intruder states and deformation effects.
JOUR ZAANE 25 s01 179

A=201

- ^{201}At 2005UU03 RADIOACTIVITY 188,190,192,194,196,198,200,202,204Po,
191,193,195,197,199At, 196,198,200,202,204,206Rn, 199,201,203,205,207Fr(α);
measured reduced widths using gas filled recoil separator; deduced
hindrance factors, proton intruder states and deformation effects.
JOUR ZAANE 25 s01 179
- ^{201}Fr 2005UU03 RADIOACTIVITY 188,190,192,194,196,198,200,202,204Po,
191,193,195,197,199At, 196,198,200,202,204,206Rn, 199,201,203,205,207Fr(α);
measured reduced widths using gas filled recoil separator; deduced
hindrance factors, proton intruder states and deformation effects.
JOUR ZAANE 25 s01 179

A=202

- ^{202}Po 2005UU03 RADIOACTIVITY $^{188,190,192,194,196,198,200,202,204}\text{Po}$,
 $^{191,193,195,197,199}\text{At}$, $^{196,198,200,202,204,206}\text{Rn}$, $^{199,201,203,205,207}\text{Fr}(\alpha)$;
measured reduced widths using gas filled recoil separator; deduced
hindrance factors, proton intruder states and deformation effects.
JOUR ZAANE 25 s01 179
- ^{202}Rn 2005UU03 RADIOACTIVITY $^{188,190,192,194,196,198,200,202,204}\text{Po}$,
 $^{191,193,195,197,199}\text{At}$, $^{196,198,200,202,204,206}\text{Rn}$, $^{199,201,203,205,207}\text{Fr}(\alpha)$;
measured reduced widths using gas filled recoil separator; deduced
hindrance factors, proton intruder states and deformation effects.
JOUR ZAANE 25 s01 179

A=203

- ^{203}At 2005UU03 RADIOACTIVITY $^{188,190,192,194,196,198,200,202,204}\text{Po}$,
 $^{191,193,195,197,199}\text{At}$, $^{196,198,200,202,204,206}\text{Rn}$, $^{199,201,203,205,207}\text{Fr}(\alpha)$;
measured reduced widths using gas filled recoil separator; deduced
hindrance factors, proton intruder states and deformation effects.
JOUR ZAANE 25 s01 179
- ^{203}Fr 2005UU03 RADIOACTIVITY $^{188,190,192,194,196,198,200,202,204}\text{Po}$,
 $^{191,193,195,197,199}\text{At}$, $^{196,198,200,202,204,206}\text{Rn}$, $^{199,201,203,205,207}\text{Fr}(\alpha)$;
measured reduced widths using gas filled recoil separator; deduced
hindrance factors, proton intruder states and deformation effects.
JOUR ZAANE 25 s01 179

A=204

- ^{204}Pb 2005WA34 NUCLEAR MOMENTS $^{204,206,207,208}\text{Pb}$; measured hfs, isotope shifts.
JOUR ZDDNE 36 249
- ^{204}Po 2005UU03 RADIOACTIVITY $^{188,190,192,194,196,198,200,202,204}\text{Po}$,
 $^{191,193,195,197,199}\text{At}$, $^{196,198,200,202,204,206}\text{Rn}$, $^{199,201,203,205,207}\text{Fr}(\alpha)$;
measured reduced widths using gas filled recoil separator; deduced
hindrance factors, proton intruder states and deformation effects.
JOUR ZAANE 25 s01 179
- ^{204}Rn 2005UU03 RADIOACTIVITY $^{188,190,192,194,196,198,200,202,204}\text{Po}$,
 $^{191,193,195,197,199}\text{At}$, $^{196,198,200,202,204,206}\text{Rn}$, $^{199,201,203,205,207}\text{Fr}(\alpha)$;
measured reduced widths using gas filled recoil separator; deduced
hindrance factors, proton intruder states and deformation effects.
JOUR ZAANE 25 s01 179

A=205

- ^{205}Pb 2004KU33 RADIOACTIVITY $^{205}\text{Bi}(\text{EC})$ [from Pb, Bi(p, X)]; measured $T_{1/2}$.
Comparison with previous results. JOUR RAACA 92 233
- ^{205}Bi 2004KU33 RADIOACTIVITY $^{205}\text{Bi}(\text{EC})$ [from Pb, Bi(p, X)]; measured $T_{1/2}$.
Comparison with previous results. JOUR RAACA 92 233

A=205 (continued)

²⁰⁵Fr 2005UU03 RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204}Po,
^{191,193,195,197,199}At, ^{196,198,200,202,204,206}Rn, ^{199,201,203,205,207}Fr(α);
 measured reduced widths using gas filled recoil separator; deduced
 hindrance factors, proton intruder states and deformation effects.
 JOUR ZAANE 25 s01 179

A=206

²⁰⁶Pb 2005C025 NUCLEAR REACTIONS ²⁰⁸Pb(⁴⁰Ca, ⁴²Ca), E=225 MeV; measured
 $\sigma(E, \theta)$. ⁴²Ca deduced excited states configurations. ²⁰⁸Pb(⁹⁰Zr, X),
 E=560 MeV; measured E γ , I γ , (fragment) γ -coin, isotopic yields for
 projectile-like fragments. ⁹⁰Zr deduced transitions. JOUR ZAANE 25
 s01 427

2005WA34 NUCLEAR MOMENTS ^{204,206,207,208}Pb; measured hfs, isotope shifts.
 JOUR ZDDNE 36 249

²⁰⁶Rn 2005UU03 RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204}Po,
^{191,193,195,197,199}At, ^{196,198,200,202,204,206}Rn, ^{199,201,203,205,207}Fr(α);
 measured reduced widths using gas filled recoil separator; deduced
 hindrance factors, proton intruder states and deformation effects.
 JOUR ZAANE 25 s01 179

A=207

²⁰⁷Tl 2005GEZW ATOMIC MASSES ²³⁵Ac; measured mass, T_{1/2}.
^{185,186,187,188,189,190,191,192,193,194,195,196}Bi; measured masses, proton
 separation energies. ^{207m}Tl; measured T_{1/2}. Stored beams, Schottky
 mass spectrometry. PREPRINT nucl-ex/0510009,10/4/2005

²⁰⁷Pb 2005B0ZT NUCLEAR REACTIONS ²⁰⁶Pb(n, X), (n, γ), E=0-600 keV; measured
 total and capture σ ; deduced resonance parameters. ²⁰⁶Pb, ²⁰⁹Bi(n, γ),
 E=thermal; measured σ . THESIS A Borella, Gent Univ

2005WA34 NUCLEAR MOMENTS ^{204,206,207,208}Pb; measured hfs, isotope shifts.
 JOUR ZDDNE 36 249

²⁰⁷Fr 2005UU03 RADIOACTIVITY ^{188,190,192,194,196,198,200,202,204}Po,
^{191,193,195,197,199}At, ^{196,198,200,202,204,206}Rn, ^{199,201,203,205,207}Fr(α);
 measured reduced widths using gas filled recoil separator; deduced
 hindrance factors, proton intruder states and deformation effects.
 JOUR ZAANE 25 s01 179

A=208

²⁰⁸Tl 2005GR28 NUCLEAR REACTIONS ¹H(π^- , $\pi^+\pi^-$), (π^+ , $2\pi^+$), E=243, 264, 284,
 305 MeV; ²H, ¹²C, ⁴⁰Ca, ²⁰⁸Pb(π^+ , $2\pi^+$), (π^+ , $\pi^+\pi^-$), E=283 MeV;
 Sc(π^+ , $2\pi^+X$), (π^+ , $\pi^+\pi^-X$), E=243, 264, 284, 305 MeV; measured
 invariant mass distributions, $\sigma(\theta)$, correlations; deduced partial chiral
 symmetry restoration. JOUR NUPAB 763 80

A=208 (continued)

- ²⁰⁸Pb 2005G034 NUCLEAR REACTIONS ²⁰⁸Pb(²³Al, p²²Mg), E=50 MeV / nucleon; measured relative energy spectrum, $\sigma(\theta)$. ²³Al deduced excited state radiative width. Astrophysical implications discussed. JOUR JPGPE 31 S1517
- 2005OR02 NUCLEAR REACTIONS ²⁰⁸Pb(p, p'), E=17.3 MeV; measured E_p, E(ce), (ce)p-coin. ²⁰⁸Pb deduced levels, electric monopole transitions, E3 / E0 branching ratio. JOUR JPGPE 31 S1705
- 2005R042 NUCLEAR REACTIONS ²⁰⁸Pb(¹⁷F, ¹⁷F), (¹⁷F, ¹⁶Ox), E=90.4 MeV; measured $\sigma(\theta)$. JOUR ZAANE 25 s01 289
- 2005SA52 NUCLEAR REACTIONS ²⁰⁸Pb(⁶He, ⁶He), (⁶He, α), E=14, 16, 17, 18, 22 MeV; measured $\sigma(\theta)$; deduced reaction mechanism features. JOUR JPGPE 31 S1953
- 2005WA34 NUCLEAR MOMENTS ^{204,206,207,208}Pb; measured hfs, isotope shifts. JOUR ZDDNE 36 249
- 2005YAZW NUCLEAR REACTIONS ²⁰⁸Pb(n, n' γ), E=6.5 MeV; measured E γ , I γ . ²⁰⁸Pb deduced levels, J, π , T_{1/2}, δ , B(Ee) / B(M1). PC Yates,11/29/2005
- ²⁰⁸Bi 2005GR28 NUCLEAR REACTIONS ¹H(π^- , $\pi^+\pi^-$), (π^+ , 2 π^+), E=243, 264, 284, 305 MeV; ²H, ¹²C, ⁴⁰Ca, ²⁰⁸Pb(π^+ , 2 π^+), (π^+ , $\pi^+\pi^-$), E=283 MeV; Sc(π^+ , 2 π^+ X), (π^+ , $\pi^+\pi^-$ X), E=243, 264, 284, 305 MeV; measured invariant mass distributions, $\sigma(\theta)$, correlations; deduced partial chiral symmetry restoration. JOUR NUPAB 763 80
- ²⁰⁸Ra 2005RE23 NUCLEAR REACTIONS ^{182,184}W(³⁰Si, 4n), E=148 MeV; measured delayed E γ , I γ , $\gamma\gamma^-$, (recoil) γ -coin. ^{208,210}Ra deduced levels, J, π , isomers T_{1/2}, B(E2). Mass separator. JOUR JPGPE 31 S1605

A=209

- ²⁰⁹Bi 2005BA88 NUCLEAR REACTIONS ²⁰⁸Pb(p, γ), E=11.9 MeV; measured E γ , I γ . ¹⁴⁷Sm(¹⁶O, 3n), E=73 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁶⁰Yb deduced high-spin levels, J, π . Afrodite array. JOUR JPGPE 31 S1747
- 2005CH66 NUCLEAR REACTIONS ²⁰⁹Bi(²⁶Mg, ²⁶Mg'), E=78.6 MeV / nucleon; ¹⁹⁷Au(³²Mg, ³²Mg'), E=81.1 MeV / nucleon; ²⁰⁹Bi(³⁴Mg, ³⁴Mg'), E=76.4 MeV / nucleon; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{26,32,34}Mg deduced transitions B(E2), deformation parameters. Comparison with previous work, model predictions. JOUR PRVCA 72 054320

A=210

- ²¹⁰Pb 2005SA52 NUCLEAR REACTIONS ²⁰⁸Pb(⁶He, ⁶He), (⁶He, α), E=14, 16, 17, 18, 22 MeV; measured $\sigma(\theta)$; deduced reaction mechanism features. JOUR JPGPE 31 S1953
- ²¹⁰Bi 2005B0ZT NUCLEAR REACTIONS ²⁰⁶Pb(n, X), (n, γ), E=0-600 keV; measured total and capture σ ; deduced resonance parameters. ²⁰⁶Pb, ²⁰⁹Bi(n, γ), E=thermal; measured σ . THESIS A Borella,Gent Univ

A=210 (continued)

²¹⁰Ra 2005RE23 NUCLEAR REACTIONS ^{182,184}W(³⁰Si, 4n), E=148 MeV; measured delayed E γ , I γ , $\gamma\gamma$ -, (recoil) γ -coin. ^{208,210}Ra deduced levels, J, π , isomers T_{1/2}, B(E2). Mass separator. JOUR JPGPE 31 S1605

A=211

²¹¹Ra 2005KU31 RADIOACTIVITY ^{215,216,216m,217}Th(α) [from ¹⁷⁰Er(⁵⁰Ti, xn)]; measured E α , I α , E γ , I γ , $\alpha\gamma$ -coin, T_{1/2}. ^{211,212,213}Ra deduced levels, J, π , ICC. JOUR ZAANE 25 397

A=212

²¹²Po 2005GA46 NUCLEAR REACTIONS ²⁰⁸Pb, ²⁰⁹Bi(⁸He, 4n), E=28 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ²¹²Po, ²¹³At deduced levels, J, π . Exogam array. JOUR JPGPE 31 S1851

²¹²Ra 2005KU31 RADIOACTIVITY ^{215,216,216m,217}Th(α) [from ¹⁷⁰Er(⁵⁰Ti, xn)]; measured E α , I α , E γ , I γ , $\alpha\gamma$ -coin, T_{1/2}. ^{211,212,213}Ra deduced levels, J, π , ICC. JOUR ZAANE 25 397

A=213

²¹³At 2005GA46 NUCLEAR REACTIONS ²⁰⁸Pb, ²⁰⁹Bi(⁸He, 4n), E=28 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ²¹²Po, ²¹³At deduced levels, J, π . Exogam array. JOUR JPGPE 31 S1851

²¹³Ra 2005KU31 RADIOACTIVITY ^{215,216,216m,217}Th(α) [from ¹⁷⁰Er(⁵⁰Ti, xn)]; measured E α , I α , E γ , I γ , $\alpha\gamma$ -coin, T_{1/2}. ^{211,212,213}Ra deduced levels, J, π , ICC. JOUR ZAANE 25 397

²¹³Th 2005LE42 RADIOACTIVITY ^{217,218,218m,219}U(α); measured E α , T_{1/2}. ^{217,218,219}U deduced ground state J, π . ²¹⁸U deduced isomer J, π . Implications for Z=92 shell closure discussed. JOUR ZAANE 25 s01 183

A=214

²¹⁴Th 2005LE42 RADIOACTIVITY ^{217,218,218m,219}U(α); measured E α , T_{1/2}. ^{217,218,219}U deduced ground state J, π . ²¹⁸U deduced isomer J, π . Implications for Z=92 shell closure discussed. JOUR ZAANE 25 s01 183

A=215

²¹⁵Th 2005KU31 RADIOACTIVITY ^{215,216,216m,217}Th(α) [from ¹⁷⁰Er(⁵⁰Ti, xn)]; measured E α , I α , E γ , I γ , $\alpha\gamma$ -coin, T_{1/2}. ^{211,212,213}Ra deduced levels, J, π , ICC. JOUR ZAANE 25 397

A=215 (continued)

- 2005LE42 RADIOACTIVITY $^{217,218,218m,219}\text{U}(\alpha)$; measured $E\alpha$, $T_{1/2}$.
 $^{217,218,219}\text{U}$ deduced ground state J, π . ^{218}U deduced isomer J, π .
Implications for Z=92 shell closure discussed. JOUR ZAANE 25 s01
183

A=216

- ^{216}Th 2005KU31 RADIOACTIVITY $^{215,216,216m,217}\text{Th}(\alpha)$ [from $^{170}\text{Er}(^{50}\text{Ti}, \text{xn})$];
measured $E\alpha$, $I\alpha$, $E\gamma$, $I\gamma$, $\alpha\gamma$ -coin, $T_{1/2}$. $^{211,212,213}\text{Ra}$ deduced levels, J,
 π , ICC. JOUR ZAANE 25 397

A=217

- ^{217}Th 2005KU31 RADIOACTIVITY $^{215,216,216m,217}\text{Th}(\alpha)$ [from $^{170}\text{Er}(^{50}\text{Ti}, \text{xn})$];
measured $E\alpha$, $I\alpha$, $E\gamma$, $I\gamma$, $\alpha\gamma$ -coin, $T_{1/2}$. $^{211,212,213}\text{Ra}$ deduced levels, J,
 π , ICC. JOUR ZAANE 25 397
- ^{217}U 2005LE42 NUCLEAR REACTIONS $^{182}\text{W}(^{40}\text{Ar}, \text{xn})^{217}\text{U} / ^{218}\text{U} / ^{218m}\text{U} / ^{219}\text{U}$,
E=186 MeV; measured $E\alpha$, $\alpha\alpha$ -, (recoil) α -coin; deduced production σ .
JOUR ZAANE 25 s01 183
- 2005LE42 RADIOACTIVITY $^{217,218,218m,219}\text{U}(\alpha)$; measured $E\alpha$, $T_{1/2}$.
 $^{217,218,219}\text{U}$ deduced ground state J, π . ^{218}U deduced isomer J, π .
Implications for Z=92 shell closure discussed. JOUR ZAANE 25 s01
183

A=218

- ^{218}U 2005LE42 NUCLEAR REACTIONS $^{182}\text{W}(^{40}\text{Ar}, \text{xn})^{217}\text{U} / ^{218}\text{U} / ^{218m}\text{U} / ^{219}\text{U}$,
E=186 MeV; measured $E\alpha$, $\alpha\alpha$ -, (recoil) α -coin; deduced production σ .
JOUR ZAANE 25 s01 183
- 2005LE42 RADIOACTIVITY $^{217,218,218m,219}\text{U}(\alpha)$; measured $E\alpha$, $T_{1/2}$.
 $^{217,218,219}\text{U}$ deduced ground state J, π . ^{218}U deduced isomer J, π .
Implications for Z=92 shell closure discussed. JOUR ZAANE 25 s01
183

A=219

- ^{219}U 2005LE42 NUCLEAR REACTIONS $^{182}\text{W}(^{40}\text{Ar}, \text{xn})^{217}\text{U} / ^{218}\text{U} / ^{218m}\text{U} / ^{219}\text{U}$,
E=186 MeV; measured $E\alpha$, $\alpha\alpha$ -, (recoil) α -coin; deduced production σ .
JOUR ZAANE 25 s01 183
- 2005LE42 RADIOACTIVITY $^{217,218,218m,219}\text{U}(\alpha)$; measured $E\alpha$, $T_{1/2}$.
 $^{217,218,219}\text{U}$ deduced ground state J, π . ^{218}U deduced isomer J, π .
Implications for Z=92 shell closure discussed. JOUR ZAANE 25 s01
183

A=220

No references found

A=221

No references found

A=222

²²²Rn 2004KU35 RADIOACTIVITY ²³⁸Pu, ²²⁶Ra(α); ¹⁵²Eu(EC); measured low-energy electron spectra, angular distributions, (electron) α -, (electron) γ -, (electron)(X-ray)-coin. JOUR BRSPE 68 1358

A=223

No references found

A=224

No references found

A=225

No references found

A=226

²²⁶Ra 2004KU35 RADIOACTIVITY ²³⁸Pu, ²²⁶Ra(α); ¹⁵²Eu(EC); measured low-energy electron spectra, angular distributions, (electron) α -, (electron) γ -, (electron)(X-ray)-coin. JOUR BRSPE 68 1358

A=227

No references found

A=228

No references found

A=229

²²⁹Ra 2005HE26 ATOMIC MASSES ^{229,230,231,232}Ra, ²³⁰Fr; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 17

A=230

²³⁰Fr 2005HE26 ATOMIC MASSES ^{229,230,231,232}Ra, ²³⁰Fr; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 17

²³⁰Ra 2005HE26 ATOMIC MASSES ^{229,230,231,232}Ra, ²³⁰Fr; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 17

A=231

²³¹Ra 2005HE26 ATOMIC MASSES ^{229,230,231,232}Ra, ²³⁰Fr; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 17

A=232

²³²Ra 2005HE26 ATOMIC MASSES ^{229,230,231,232}Ra, ²³⁰Fr; measured masses. Penning trap mass spectrometer. JOUR ZAANE 25 s01 17

A=233

²³³Th 2004HA64 NUCLEAR REACTIONS ²³²Th(n, γ), E=0.05-2 MeV; ²³⁰Th, ^{231,233}Pa(n, F), E=0.5-10 MeV; measured σ . Comparison with previous results. JOUR BJPHE 34 814

A=234

²³⁴U 2004KU35 RADIOACTIVITY ²³⁸Pu, ²²⁶Ra(α); ¹⁵²Eu(EC); measured low-energy electron spectra, angular distributions, (electron) α -, (electron) γ -, (electron)(X-ray)-coin. JOUR BRSPE 68 1358

A=235

²³⁵Ac 2005GEZW ATOMIC MASSES ²³⁵Ac; measured mass, T_{1/2}. ^{185,186,187,188,189,190,191,192,193,194,195,196}Bi; measured masses, proton separation energies. ^{207m}Tl; measured T_{1/2}. Stored beams, Schottky mass spectrometry. PREPRINT nucl-ex/0510009,10/4/2005

A=236

- ²³⁶U 2005CSZZ NUCLEAR REACTIONS ²³⁵U(d, pF), E=13 MeV; measured E_p, fission fragment angular correlations. ²³⁶U deduced hyperdeformed resonances. REPT MLL 2004 Annual,P19,Csige
- 2005RY03 NUCLEAR REACTIONS ²³²Th, ²³⁸U(n, F), E=21-95 MeV; measured fission fragments angular distributions, anisotropy. ²³²Th, ²³⁸U(n, F), E=0-95 MeV; ²³²Th, ²³⁸U(n, 2n), (n, 3n), (n, xnF), E=0-20 MeV; calculated σ , fission fragments angular anisotropy. ²³⁸U(n, pX), E=25-65 MeV; calculated σ . Multichance fission, saddle-point statistical model analysis. JOUR NUPAB 760 19

A=237

- ²³⁷U 2005RY03 NUCLEAR REACTIONS ²³²Th, ²³⁸U(n, F), E=21-95 MeV; measured fission fragments angular distributions, anisotropy. ²³²Th, ²³⁸U(n, F), E=0-95 MeV; ²³²Th, ²³⁸U(n, 2n), (n, 3n), (n, xnF), E=0-20 MeV; calculated σ , fission fragments angular anisotropy. ²³⁸U(n, pX), E=25-65 MeV; calculated σ . Multichance fission, saddle-point statistical model analysis. JOUR NUPAB 760 19
- ²³⁷Np 2005MA90 RADIOACTIVITY ²⁴²Am(β^-), (EC) [from ²⁴¹Am(n, γ)]; measured $\beta\gamma$ -coin; deduced source activity. ²⁴¹Am(α); measured E α . JOUR NIMAE 553 559
- 2005PA56 RADIOACTIVITY ²⁵²Cf(SF); measured neutron emission rates. ²⁴¹Am(α); measured neutron emission rates for Am-Be source. Manganese sulphate bath system. JOUR KPSJA 47 603

A=238

- ²³⁸U 2005Y012 RADIOACTIVITY ²³⁸U(SF); measured spontaneous fission decay constant. Solid-state nuclear track detectors. JOUR NIMAE 555 386
- ²³⁸Np 2005RE25 NUCLEAR REACTIONS ²³⁷Np(n, γ), E=0.01-10 eV; measured σ . Comparison with previous results. JOUR NIMBE 241 176
- ²³⁸Pu 2004KU35 RADIOACTIVITY ²³⁸Pu, ²²⁶Ra(α); ¹⁵²Eu(EC); measured low-energy electron spectra, angular distributions, (electron) α -, (electron) γ -, (electron)(X-ray)-coin. JOUR BRSPE 68 1358

A=239

No references found

A=240

- ²⁴⁰Pu 2005THZZ NUCLEAR REACTIONS ²³²Th, ²³⁸U(α , 2n), E=20-27 MeV; measured prompt and delayed fission fragment yields; deduced excitation functions for isomeric and prompt fission. REPT MLL 2004 Annual,P17,Thirolf

A=241

- ^{241}Am 2005MA90 RADIOACTIVITY $^{242}\text{Am}(\beta^-)$, (EC) [from $^{241}\text{Am}(n, \gamma)$]; measured $\beta\gamma$ -coin; deduced source activity. $^{241}\text{Am}(\alpha)$; measured $E\alpha$. JOUR NIMAE 553 559
- 2005PA56 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured neutron emission rates. $^{241}\text{Am}(\alpha)$; measured neutron emission rates for Am-Be source. Manganese sulphate bath system. JOUR KPSJA 47 603

A=242

- ^{242}Pu 2005MA90 RADIOACTIVITY $^{242}\text{Am}(\beta^-)$, (EC) [from $^{241}\text{Am}(n, \gamma)$]; measured $\beta\gamma$ -coin; deduced source activity. $^{241}\text{Am}(\alpha)$; measured $E\alpha$. JOUR NIMAE 553 559
- ^{242}Am 2005MA90 RADIOACTIVITY $^{242}\text{Am}(\beta^-)$, (EC) [from $^{241}\text{Am}(n, \gamma)$]; measured $\beta\gamma$ -coin; deduced source activity. $^{241}\text{Am}(\alpha)$; measured $E\alpha$. JOUR NIMAE 553 559
- ^{242}Cm 2005MA90 RADIOACTIVITY $^{242}\text{Am}(\beta^-)$, (EC) [from $^{241}\text{Am}(n, \gamma)$]; measured $\beta\gamma$ -coin; deduced source activity. $^{241}\text{Am}(\alpha)$; measured $E\alpha$. JOUR NIMAE 553 559

A=243

- ^{243}Es 2005HE27 RADIOACTIVITY $^{247,249,251,253,255}\text{Md}(\alpha)$ [from $^{209}\text{Bi}(^{40}\text{Ar}, \text{xn})$, $(^{50}\text{Ti}, \text{xn})$, $^{207,207}\text{Pb}$, $^{209}\text{Bi}(^{48}\text{Ca}, \text{xn})$ and subsequent decay]; measured $E\alpha$, $E\gamma$, $\alpha\gamma$ -coin; deduced branching ratios, hindrance factors. $^{243,245,247,249,251}\text{Es}$ deduced levels, J, π , configurations, deformation. Comparison with model predictions. JOUR ZAANE 26 233

A=244

- ^{244}Cm 2004NA44 RADIOACTIVITY $^{244}\text{Cm}(\text{SF})$; measured fission fragments isomeric yield ratios; deduced fragment angular momentum distributions. JOUR RAACA 92 1

A=245

- ^{245}Es 2005HE27 RADIOACTIVITY $^{247,249,251,253,255}\text{Md}(\alpha)$ [from $^{209}\text{Bi}(^{40}\text{Ar}, \text{xn})$, $(^{50}\text{Ti}, \text{xn})$, $^{207,207}\text{Pb}$, $^{209}\text{Bi}(^{48}\text{Ca}, \text{xn})$ and subsequent decay]; measured $E\alpha$, $E\gamma$, $\alpha\gamma$ -coin; deduced branching ratios, hindrance factors. $^{243,245,247,249,251}\text{Es}$ deduced levels, J, π , configurations, deformation. Comparison with model predictions. JOUR ZAANE 26 233

A=246

No references found

A=247

- ²⁴⁷Es 2005GR36 RADIOACTIVITY ²⁵⁵Lr, ²⁵¹Md(α) [from ²⁰⁹Bi(⁴⁸Ca, 2n) and subsequent decay]; measured E α , $\alpha\alpha$ -coin; deduced excited state decay. JOUR ZAANE 25 s01 599
- 2005HE27 RADIOACTIVITY ^{247,249,251,253,255}Md(α) [from ²⁰⁹Bi(⁴⁰Ar, xn), (⁵⁰Ti, xn), ^{207,207}Pb, ²⁰⁹Bi(⁴⁸Ca, xn) and subsequent decay]; measured E α , E γ , $\alpha\gamma$ -coin; deduced branching ratios, hindrance factors. ^{243,245,247,249,251}Es deduced levels, J, π , configurations, deformation. Comparison with model predictions. JOUR ZAANE 26 233
- ²⁴⁷Md 2005HE27 RADIOACTIVITY ^{247,249,251,253,255}Md(α) [from ²⁰⁹Bi(⁴⁰Ar, xn), (⁵⁰Ti, xn), ^{207,207}Pb, ²⁰⁹Bi(⁴⁸Ca, xn) and subsequent decay]; measured E α , E γ , $\alpha\gamma$ -coin; deduced branching ratios, hindrance factors. ^{243,245,247,249,251}Es deduced levels, J, π , configurations, deformation. Comparison with model predictions. JOUR ZAANE 26 233

A=248

No references found

A=249

- ²⁴⁹Es 2005HE27 RADIOACTIVITY ^{247,249,251,253,255}Md(α) [from ²⁰⁹Bi(⁴⁰Ar, xn), (⁵⁰Ti, xn), ^{207,207}Pb, ²⁰⁹Bi(⁴⁸Ca, xn) and subsequent decay]; measured E α , E γ , $\alpha\gamma$ -coin; deduced branching ratios, hindrance factors. ^{243,245,247,249,251}Es deduced levels, J, π , configurations, deformation. Comparison with model predictions. JOUR ZAANE 26 233
- ²⁴⁹Md 2005HE27 RADIOACTIVITY ^{247,249,251,253,255}Md(α) [from ²⁰⁹Bi(⁴⁰Ar, xn), (⁵⁰Ti, xn), ^{207,207}Pb, ²⁰⁹Bi(⁴⁸Ca, xn) and subsequent decay]; measured E α , E γ , $\alpha\gamma$ -coin; deduced branching ratios, hindrance factors. ^{243,245,247,249,251}Es deduced levels, J, π , configurations, deformation. Comparison with model predictions. JOUR ZAANE 26 233

A=250

No references found

A=251

- ²⁵¹Cf 2005AH09 RADIOACTIVITY ²⁵⁵Fm(α); measured E γ , I γ . ²⁵¹Es(EC); measured E γ , I γ , E(ce), I(ce). ²⁵¹Cf deduced levels, J, π , configurations, vibrational states. JOUR PRVCA 72 054308
- ²⁵¹Es 2005AH09 RADIOACTIVITY ²⁵⁵Fm(α); measured E γ , I γ . ²⁵¹Es(EC); measured E γ , I γ , E(ce), I(ce). ²⁵¹Cf deduced levels, J, π , configurations, vibrational states. JOUR PRVCA 72 054308

A=251 (continued)

- 2005HE27 RADIOACTIVITY $^{247,249,251,253,255}\text{Md}(\alpha)$ [from $^{209}\text{Bi}(^{40}\text{Ar}, \text{xn})$, $(^{50}\text{Ti}, \text{xn})$, $^{207,207}\text{Pb}$, $^{209}\text{Bi}(^{48}\text{Ca}, \text{xn})$ and subsequent decay]; measured $E\alpha$, $E\gamma$, $\alpha\gamma$ -coin; deduced branching ratios, hindrance factors. $^{243,245,247,249,251}\text{Es}$ deduced levels, J, π , configurations, deformation. Comparison with model predictions. JOUR ZAANE 26 233
- ^{251}Md 2005GR36 RADIOACTIVITY ^{255}Lr , $^{251}\text{Md}(\alpha)$ [from $^{209}\text{Bi}(^{48}\text{Ca}, 2\text{n})$ and subsequent decay]; measured $E\alpha$, $\alpha\alpha$ -coin; deduced excited state decay. JOUR ZAANE 25 s01 599
- 2005GR36 NUCLEAR REACTIONS $^{205}\text{Tl}(^{48}\text{Ca}, 2\text{n})$, $E=218$ MeV; measured $E\gamma$, $I\gamma$, (recoil) γ -coin. Jurogam array. JOUR ZAANE 25 s01 599
- 2005HE27 RADIOACTIVITY $^{247,249,251,253,255}\text{Md}(\alpha)$ [from $^{209}\text{Bi}(^{40}\text{Ar}, \text{xn})$, $(^{50}\text{Ti}, \text{xn})$, $^{207,207}\text{Pb}$, $^{209}\text{Bi}(^{48}\text{Ca}, \text{xn})$ and subsequent decay]; measured $E\alpha$, $E\gamma$, $\alpha\gamma$ -coin; deduced branching ratios, hindrance factors. $^{243,245,247,249,251}\text{Es}$ deduced levels, J, π , configurations, deformation. Comparison with model predictions. JOUR ZAANE 26 233

A=252

- ^{252}Cf 2005F017 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{98}Sr , $^{102,104}\text{Zr}$, ^{137}Xe , ^{143}Ba , ^{152}Ce levels deduced $T_{1/2}$. Gammasphere array, time-gated triple-coincidence method. JOUR ZAANE 25 s01 465
- 2005HW06 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{95,97}\text{Sr}$, ^{99}Zr , ^{108}Tc , $^{133,134}\text{Te}$, ^{137}Xe levels deduced $T_{1/2}$. Gammasphere array, time-gated triple-coincidence method. JOUR ZAANE 25 s01 463
- 2005J024 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{162,164}\text{Gd}$ deduced levels, J, π . Gammasphere array, level systematics in neighboring nuclides discussed. JOUR ZAANE 25 s01 467
- 2005LU21 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{99,101}\text{Y}$, $^{101,105}\text{Nb}$ deduced levels, J, π , configurations, rotational bands, shape transition features. Gammasphere array, triaxial-rotor-plus-quasiparticle calculations. JOUR JPGPE 31 1303
- 2005LU24 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{99,101}\text{Y}$, $^{101,105}\text{Nb}$ deduced levels, J, π , configurations, deformation. Gammasphere array, triaxial-rotor-plus-particle calculations. JOUR ZAANE 25 s01 469
- 2005PA56 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured neutron emission rates. $^{241}\text{Am}(\alpha)$; measured neutron emission rates for Am-Be source. Manganese sulphate bath system. JOUR KPSJA 47 603
- 2005SH49 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured Doppler-shifted $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (fragment) γ -coin. ^{144}Ba deduced transitions $T_{1/2}$, $B(E2)$, transition dipole, quadrupole, and octupole moments for alternating-parity band. Gammasphere array, cluster-model analysis. JOUR ZAANE 25 387
- 2005SM08 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma(\theta, H, t)$, $\gamma\gamma$ -coin. $^{96,100,102}\text{Zr}$, $^{102,104,106,108}\text{Mo}$, $^{106,108,110,112}\text{Ru}$, $^{110,114,116}\text{Pd}$ levels deduced g factors, $B(E2)$. Gammasphere array, time-integral perturbed angular correlation technique. Comparison with interacting boson model predictions. JOUR JPGPE 31 S1433

A=252 (continued)

- 2005ZH36 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{106}Mo deduced high-spin levels, J , π , chiral vibrational bands. Gammasphere array, tilted-axis cranking model analysis. JOUR ZAANE 25 s01 459

A=253

- ^{253}Md 2005HE27 RADIOACTIVITY $^{247,249,251,253,255}\text{Md}(\alpha)$ [from $^{209}\text{Bi}(^{40}\text{Ar}, \text{xn})$, $(^{50}\text{Ti}, \text{xn})$, $^{207,207}\text{Pb}$, $^{209}\text{Bi}(^{48}\text{Ca}, \text{xn})$ and subsequent decay]; measured $E\alpha$, $E\gamma$, $\alpha\gamma$ -coin; deduced branching ratios, hindrance factors. $^{243,245,247,249,251}\text{Es}$ deduced levels, J , π , configurations, deformation. Comparison with model predictions. JOUR ZAANE 26 233

A=254

- ^{254}No 2005EE01 NUCLEAR REACTIONS $^{208}\text{Pb}(^{48}\text{Ca}, 2\text{n})$, E not given; measured $E\gamma$, $I\gamma$, (recoil) γ -coin. ^{254}No deduced rotational band levels, J , π . Jurogam array, recoil-decay tagging. JOUR ZAANE 25 s01 605
- 2005EE02 NUCLEAR REACTIONS $^{208}\text{Pb}(^{48}\text{Ca}, 2\text{n})$, $E=219, 221$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (recoil) γ -coin. ^{254}No deduced levels, J , π , rotational band, non-yrast state. Jurogam array, recoil-decay tagging. JOUR ZAANE 26 227

A=255

- ^{255}Fm 2005AH09 RADIOACTIVITY $^{255}\text{Fm}(\alpha)$; measured $E\gamma$, $I\gamma$. $^{251}\text{Es}(\text{EC})$; measured $E\gamma$, $I\gamma$, $E(\text{ce})$, $I(\text{ce})$. ^{251}Cf deduced levels, J , π , configurations, vibrational states. JOUR PRVCA 72 054308
- ^{255}Md 2005HE27 RADIOACTIVITY $^{247,249,251,253,255}\text{Md}(\alpha)$ [from $^{209}\text{Bi}(^{40}\text{Ar}, \text{xn})$, $(^{50}\text{Ti}, \text{xn})$, $^{207,207}\text{Pb}$, $^{209}\text{Bi}(^{48}\text{Ca}, \text{xn})$ and subsequent decay]; measured $E\alpha$, $E\gamma$, $\alpha\gamma$ -coin; deduced branching ratios, hindrance factors. $^{243,245,247,249,251}\text{Es}$ deduced levels, J , π , configurations, deformation. Comparison with model predictions. JOUR ZAANE 26 233
- ^{255}Lr 2005GR36 RADIOACTIVITY ^{255}Lr , $^{251}\text{Md}(\alpha)$ [from $^{209}\text{Bi}(^{48}\text{Ca}, 2\text{n})$ and subsequent decay]; measured $E\alpha$, $\alpha\alpha$ -coin; deduced excited state decay. JOUR ZAANE 25 s01 599

A=256

No references found

A=257

No references found

A=258

No references found

A=259

No references found

A=260

No references found

A=261

No references found

A=262

No references found

A=263

No references found

A=264

No references found

A=265

No references found

A=266

No references found

A=267

²⁶⁷Rf 20050G03 RADIOACTIVITY ²⁹⁴118, ^{290,291,292,293}116, ^{287,288,289}114, ²⁸⁵112, ²⁷⁵Hs(α); ²⁸⁶114, ²⁸³112, ²⁷⁹Ds, ²⁷¹Sg(α), (SF); ^{282,284}112, ²⁸¹Ds, ²⁶⁷Rf(SF); measured E α , T_{1/2}, branching ratios. JOUR ZAANE 25 s01 589

A=267 (continued)

²⁶⁷Db 20050G02 RADIOACTIVITY ^{287,288}115, ^{283,284}113, ^{279,280}Rg, ^{275,276}Mt, ²⁷²Bh(α) [from ²⁴³Am(⁴⁸Ca, xn) and subsequent decay]; measured E α , T_{1/2}; deduced Q α . ^{267,268}Db(SF); measured T_{1/2}. JOUR PRVCA 72 034611

A=268

²⁶⁸Db 20050G02 RADIOACTIVITY ^{287,288}115, ^{283,284}113, ^{279,280}Rg, ^{275,276}Mt, ²⁷²Bh(α) [from ²⁴³Am(⁴⁸Ca, xn) and subsequent decay]; measured E α , T_{1/2}; deduced Q α . ^{267,268}Db(SF); measured T_{1/2}. JOUR PRVCA 72 034611

A=269

No references found

A=270

No references found

A=271

²⁷¹Sg 20050G03 RADIOACTIVITY ²⁹⁴118, ^{290,291,292,293}116, ^{287,288,289}114, ²⁸⁵112, ²⁷⁵Hs(α); ²⁸⁶114, ²⁸³112, ²⁷⁹Ds, ²⁷¹Sg(α), (SF); ^{282,284}112, ²⁸¹Ds, ²⁶⁷Rf(SF); measured E α , T_{1/2}, branching ratios. JOUR ZAANE 25 s01 589

²⁷¹Bh 20050G02 RADIOACTIVITY ^{287,288}115, ^{283,284}113, ^{279,280}Rg, ^{275,276}Mt, ²⁷²Bh(α) [from ²⁴³Am(⁴⁸Ca, xn) and subsequent decay]; measured E α , T_{1/2}; deduced Q α . ^{267,268}Db(SF); measured T_{1/2}. JOUR PRVCA 72 034611

A=272

²⁷²Bh 20050G02 RADIOACTIVITY ^{287,288}115, ^{283,284}113, ^{279,280}Rg, ^{275,276}Mt, ²⁷²Bh(α) [from ²⁴³Am(⁴⁸Ca, xn) and subsequent decay]; measured E α , T_{1/2}; deduced Q α . ^{267,268}Db(SF); measured T_{1/2}. JOUR PRVCA 72 034611

A=273

No references found

A=274

No references found

A=275

- ^{275}Hs 20050G03 RADIOACTIVITY $^{294}\text{118}$, $^{290,291,292,293}\text{116}$, $^{287,288,289}\text{114}$, $^{285}\text{112}$, $^{275}\text{Hs}(\alpha)$; $^{286}\text{114}$, $^{283}\text{112}$, ^{279}Ds , $^{271}\text{Sg}(\alpha)$, (SF); $^{282,284}\text{112}$, ^{281}Ds , $^{267}\text{Rf}(\text{SF})$; measured $E\alpha$, $T_{1/2}$, branching ratios. JOUR ZAANE 25 s01 589
- ^{275}Mt 20050G02 RADIOACTIVITY $^{287,288}\text{115}$, $^{283,284}\text{113}$, $^{279,280}\text{Rg}$, $^{275,276}\text{Mt}$, $^{272}\text{Bh}(\alpha)$ [from $^{243}\text{Am}(\text{}^{48}\text{Ca}, \text{xn})$ and subsequent decay]; measured $E\alpha$, $T_{1/2}$; deduced $Q\alpha$. $^{267,268}\text{Db}(\text{SF})$; measured $T_{1/2}$. JOUR PRVCA 72 034611

A=276

- ^{276}Mt 20050G02 RADIOACTIVITY $^{287,288}\text{115}$, $^{283,284}\text{113}$, $^{279,280}\text{Rg}$, $^{275,276}\text{Mt}$, $^{272}\text{Bh}(\alpha)$ [from $^{243}\text{Am}(\text{}^{48}\text{Ca}, \text{xn})$ and subsequent decay]; measured $E\alpha$, $T_{1/2}$; deduced $Q\alpha$. $^{267,268}\text{Db}(\text{SF})$; measured $T_{1/2}$. JOUR PRVCA 72 034611

A=277

No references found

A=278

No references found

A=279

- ^{279}Ds 20050G03 RADIOACTIVITY $^{294}\text{118}$, $^{290,291,292,293}\text{116}$, $^{287,288,289}\text{114}$, $^{285}\text{112}$, $^{275}\text{Hs}(\alpha)$; $^{286}\text{114}$, $^{283}\text{112}$, ^{279}Ds , $^{271}\text{Sg}(\alpha)$, (SF); $^{282,284}\text{112}$, ^{281}Ds , $^{267}\text{Rf}(\text{SF})$; measured $E\alpha$, $T_{1/2}$, branching ratios. JOUR ZAANE 25 s01 589
- ^{279}Rg 20050G02 RADIOACTIVITY $^{287,288}\text{115}$, $^{283,284}\text{113}$, $^{279,280}\text{Rg}$, $^{275,276}\text{Mt}$, $^{272}\text{Bh}(\alpha)$ [from $^{243}\text{Am}(\text{}^{48}\text{Ca}, \text{xn})$ and subsequent decay]; measured $E\alpha$, $T_{1/2}$; deduced $Q\alpha$. $^{267,268}\text{Db}(\text{SF})$; measured $T_{1/2}$. JOUR PRVCA 72 034611

A=280

- ^{280}Rg 20050G02 RADIOACTIVITY $^{287,288}\text{115}$, $^{283,284}\text{113}$, $^{279,280}\text{Rg}$, $^{275,276}\text{Mt}$, $^{272}\text{Bh}(\alpha)$ [from $^{243}\text{Am}(\text{}^{48}\text{Ca}, \text{xn})$ and subsequent decay]; measured $E\alpha$, $T_{1/2}$; deduced $Q\alpha$. $^{267,268}\text{Db}(\text{SF})$; measured $T_{1/2}$. JOUR PRVCA 72 034611

A=281

²⁸¹Ds 20050G03 RADIOACTIVITY ²⁹⁴118, ^{290,291,292,293}116, ^{287,288,289}114, ²⁸⁵112, ²⁷⁵Hs(α); ²⁸⁶114, ²⁸³112, ²⁷⁹Ds, ²⁷¹Sg(α), (SF); ^{282,284}112, ²⁸¹Ds, ²⁶⁷Rf(SF); measured $E\alpha$, $T_{1/2}$, branching ratios. JOUR ZAANE 25 s01 589

A=282

²⁸²112 20050G03 NUCLEAR REACTIONS ²³⁸U(⁴⁸Ca, 3n), (⁴⁸Ca, 4n), ²³³U, ²⁴²Pu(⁴⁸Ca, 2n), (⁴⁸Ca, 3n), (⁴⁸Ca, 4n), $E \approx 230$ -250 MeV; measured σ . JOUR ZAANE 25 s01 589

20050G03 RADIOACTIVITY ²⁹⁴118, ^{290,291,292,293}116, ^{287,288,289}114, ²⁸⁵112, ²⁷⁵Hs(α); ²⁸⁶114, ²⁸³112, ²⁷⁹Ds, ²⁷¹Sg(α), (SF); ^{282,284}112, ²⁸¹Ds, ²⁶⁷Rf(SF); measured $E\alpha$, $T_{1/2}$, branching ratios. JOUR ZAANE 25 s01 589

A=283

²⁸³112 2005H0ZX NUCLEAR REACTIONS ²³⁸U(⁴⁸Ca, xn), $E=233, 236, 239$ MeV; measured fission fragment spectra; deduced evidence for ²⁸³112. PREPRINT Hofmann

20050G03 NUCLEAR REACTIONS ²³⁸U(⁴⁸Ca, 3n), (⁴⁸Ca, 4n), ²³³U, ²⁴²Pu(⁴⁸Ca, 2n), (⁴⁸Ca, 3n), (⁴⁸Ca, 4n), $E \approx 230$ -250 MeV; measured σ . JOUR ZAANE 25 s01 589

20050G03 RADIOACTIVITY ²⁹⁴118, ^{290,291,292,293}116, ^{287,288,289}114, ²⁸⁵112, ²⁷⁵Hs(α); ²⁸⁶114, ²⁸³112, ²⁷⁹Ds, ²⁷¹Sg(α), (SF); ^{282,284}112, ²⁸¹Ds, ²⁶⁷Rf(SF); measured $E\alpha$, $T_{1/2}$, branching ratios. JOUR ZAANE 25 s01 589

²⁸³113 20050G02 RADIOACTIVITY ^{287,288}115, ^{283,284}113, ^{279,280}Rg, ^{275,276}Mt, ²⁷²Bh(α) [from ²⁴³Am(⁴⁸Ca, xn) and subsequent decay]; measured $E\alpha$, $T_{1/2}$; deduced $Q\alpha$. ^{267,268}Db(SF); measured $T_{1/2}$. JOUR PRVCA 72 034611

A=284

²⁸⁴112 20050G03 RADIOACTIVITY ²⁹⁴118, ^{290,291,292,293}116, ^{287,288,289}114, ²⁸⁵112, ²⁷⁵Hs(α); ²⁸⁶114, ²⁸³112, ²⁷⁹Ds, ²⁷¹Sg(α), (SF); ^{282,284}112, ²⁸¹Ds, ²⁶⁷Rf(SF); measured $E\alpha$, $T_{1/2}$, branching ratios. JOUR ZAANE 25 s01 589

²⁸⁴113 20050G02 RADIOACTIVITY ^{287,288}115, ^{283,284}113, ^{279,280}Rg, ^{275,276}Mt, ²⁷²Bh(α) [from ²⁴³Am(⁴⁸Ca, xn) and subsequent decay]; measured $E\alpha$, $T_{1/2}$; deduced $Q\alpha$. ^{267,268}Db(SF); measured $T_{1/2}$. JOUR PRVCA 72 034611

A=285

²⁸⁵112 20050G03 RADIOACTIVITY ²⁹⁴118, ^{290,291,292,293}116, ^{287,288,289}114, ²⁸⁵112, ²⁷⁵Hs(α); ²⁸⁶114, ²⁸³112, ²⁷⁹Ds, ²⁷¹Sg(α), (SF); ^{282,284}112, ²⁸¹Ds, ²⁶⁷Rf(SF); measured E α , T_{1/2}, branching ratios. JOUR ZAANE 25 s01 589

A=286

²⁸⁶114 20050G03 NUCLEAR REACTIONS ²³⁸U(⁴⁸Ca, 3n), (⁴⁸Ca, 4n), ²³³U, ²⁴²Pu(⁴⁸Ca, 2n), (⁴⁸Ca, 3n), (⁴⁸Ca, 4n), E \approx 230-250 MeV; measured σ . JOUR ZAANE 25 s01 589

20050G03 RADIOACTIVITY ²⁹⁴118, ^{290,291,292,293}116, ^{287,288,289}114, ²⁸⁵112, ²⁷⁵Hs(α); ²⁸⁶114, ²⁸³112, ²⁷⁹Ds, ²⁷¹Sg(α), (SF); ^{282,284}112, ²⁸¹Ds, ²⁶⁷Rf(SF); measured E α , T_{1/2}, branching ratios. JOUR ZAANE 25 s01 589

A=287

²⁸⁷114 20050G03 NUCLEAR REACTIONS ²³⁸U(⁴⁸Ca, 3n), (⁴⁸Ca, 4n), ²³³U, ²⁴²Pu(⁴⁸Ca, 2n), (⁴⁸Ca, 3n), (⁴⁸Ca, 4n), E \approx 230-250 MeV; measured σ . JOUR ZAANE 25 s01 589

20050G03 RADIOACTIVITY ²⁹⁴118, ^{290,291,292,293}116, ^{287,288,289}114, ²⁸⁵112, ²⁷⁵Hs(α); ²⁸⁶114, ²⁸³112, ²⁷⁹Ds, ²⁷¹Sg(α), (SF); ^{282,284}112, ²⁸¹Ds, ²⁶⁷Rf(SF); measured E α , T_{1/2}, branching ratios. JOUR ZAANE 25 s01 589

²⁸⁷115 20050G02 NUCLEAR REACTIONS ²⁴³Am(⁴⁸Ca, 3n), (⁴⁸Ca, 4n), E=248, 253 MeV; measured delayed E α , $\alpha\alpha$ -coin; deduced σ . JOUR PRVCA 72 034611

20050G02 RADIOACTIVITY ^{287,288}115, ^{283,284}113, ^{279,280}Rg, ^{275,276}Mt, ²⁷²Bh(α) [from ²⁴³Am(⁴⁸Ca, xn) and subsequent decay]; measured E α , T_{1/2}; deduced Q α . ^{267,268}Db(SF); measured T_{1/2}. JOUR PRVCA 72 034611

A=288

²⁸⁸114 20050G03 NUCLEAR REACTIONS ²³⁸U(⁴⁸Ca, 3n), (⁴⁸Ca, 4n), ²³³U, ²⁴²Pu(⁴⁸Ca, 2n), (⁴⁸Ca, 3n), (⁴⁸Ca, 4n), E \approx 230-250 MeV; measured σ . JOUR ZAANE 25 s01 589

20050G03 RADIOACTIVITY ²⁹⁴118, ^{290,291,292,293}116, ^{287,288,289}114, ²⁸⁵112, ²⁷⁵Hs(α); ²⁸⁶114, ²⁸³112, ²⁷⁹Ds, ²⁷¹Sg(α), (SF); ^{282,284}112, ²⁸¹Ds, ²⁶⁷Rf(SF); measured E α , T_{1/2}, branching ratios. JOUR ZAANE 25 s01 589

²⁸⁸115 20050G02 NUCLEAR REACTIONS ²⁴³Am(⁴⁸Ca, 3n), (⁴⁸Ca, 4n), E=248, 253 MeV; measured delayed E α , $\alpha\alpha$ -coin; deduced σ . JOUR PRVCA 72 034611

20050G02 RADIOACTIVITY ^{287,288}115, ^{283,284}113, ^{279,280}Rg, ^{275,276}Mt, ²⁷²Bh(α) [from ²⁴³Am(⁴⁸Ca, xn) and subsequent decay]; measured E α , T_{1/2}; deduced Q α . ^{267,268}Db(SF); measured T_{1/2}. JOUR PRVCA 72 034611

A=289

²⁸⁹114 20050G03 RADIOACTIVITY ²⁹⁴118, ^{290,291,292,293}116, ^{287,288,289}114, ²⁸⁵112, ²⁷⁵Hs(α); ²⁸⁶114, ²⁸³112, ²⁷⁹Ds, ²⁷¹Sg(α), (SF); ^{282,284}112, ²⁸¹Ds, ²⁶⁷Rf(SF); measured E α , T_{1/2}, branching ratios. JOUR ZAANE 25 s01 589

A=290

²⁹⁰116 20050G03 RADIOACTIVITY ²⁹⁴118, ^{290,291,292,293}116, ^{287,288,289}114, ²⁸⁵112, ²⁷⁵Hs(α); ²⁸⁶114, ²⁸³112, ²⁷⁹Ds, ²⁷¹Sg(α), (SF); ^{282,284}112, ²⁸¹Ds, ²⁶⁷Rf(SF); measured E α , T_{1/2}, branching ratios. JOUR ZAANE 25 s01 589

A=291

²⁹¹116 20050G03 RADIOACTIVITY ²⁹⁴118, ^{290,291,292,293}116, ^{287,288,289}114, ²⁸⁵112, ²⁷⁵Hs(α); ²⁸⁶114, ²⁸³112, ²⁷⁹Ds, ²⁷¹Sg(α), (SF); ^{282,284}112, ²⁸¹Ds, ²⁶⁷Rf(SF); measured E α , T_{1/2}, branching ratios. JOUR ZAANE 25 s01 589

A=292

²⁹²116 20050G03 RADIOACTIVITY ²⁹⁴118, ^{290,291,292,293}116, ^{287,288,289}114, ²⁸⁵112, ²⁷⁵Hs(α); ²⁸⁶114, ²⁸³112, ²⁷⁹Ds, ²⁷¹Sg(α), (SF); ^{282,284}112, ²⁸¹Ds, ²⁶⁷Rf(SF); measured E α , T_{1/2}, branching ratios. JOUR ZAANE 25 s01 589

A=293

²⁹³116 20050G03 RADIOACTIVITY ²⁹⁴118, ^{290,291,292,293}116, ^{287,288,289}114, ²⁸⁵112, ²⁷⁵Hs(α); ²⁸⁶114, ²⁸³112, ²⁷⁹Ds, ²⁷¹Sg(α), (SF); ^{282,284}112, ²⁸¹Ds, ²⁶⁷Rf(SF); measured E α , T_{1/2}, branching ratios. JOUR ZAANE 25 s01 589

A=294

²⁹⁴118 20050G03 RADIOACTIVITY ²⁹⁴118, ^{290,291,292,293}116, ^{287,288,289}114, ²⁸⁵112, ²⁷⁵Hs(α); ²⁸⁶114, ²⁸³112, ²⁷⁹Ds, ²⁷¹Sg(α), (SF); ^{282,284}112, ²⁸¹Ds, ²⁶⁷Rf(SF); measured E α , T_{1/2}, branching ratios. JOUR ZAANE 25 s01 589

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