

Recent References:
April 1, 2005 to June 30, 2005

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This document lists experimental references added to Nuclear Science References (NSR) during the period April 1, 2005 to June 30, 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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Keynumbers and Keywords

A=1

^1n	2004FI12	NUCLEAR REACTIONS ^2H (polarized e, e'n), E=high; measured asymmetry, polarization transfer. ^1n deduced electric form factor. Comparison with previous work. JOUR FIZBE 13 545
	2004ME23	NUCLEAR REACTIONS $^1\text{H}(\pi^-, \pi^0)$, E at 105-177 MeV / c; measured $\sigma(\theta)$. JOUR FIZBE 13 501
	2004SA64	NUCLEAR REACTIONS $^1\text{H}(\pi^-, \pi^0)$, E at 148-323 MeV / c; measured $\sigma, \sigma(\theta)$. Comparison with previous results. JOUR FIZBE 13 405
	2004WE17	NUCLEAR REACTIONS ^2H (polarized e, e'n), E=2.3, 3.5 GeV; measured electron and neutron spectra, asymmetries. ^1n deduced electric form factor. Comparison with previous results. Polarized target. JOUR FIZBE 13 531
	2005DU14	NUCLEAR REACTIONS $^2\text{H}(p, 2p)$, E=16 MeV; measured $\sigma(E, \theta)$ for three kinematical configurations. Comparison with model predictions. JOUR PRVCA 71 054003
	2005MI13	NUCLEAR REACTIONS $^6,7\text{Li}(^6\text{He}, \alpha^6\text{He})$, $^6\text{Li}(^6\text{He}, t2\alpha)$, E=18 MeV; measured excitation energy spectra. $^6,7\text{Li}$, $^8,9,10\text{Be}$ deduced cluster states. JOUR NUPAB 753 263
	2005NI13	RADIOACTIVITY $^1\text{n}(\beta^-)$; measured $T_{1/2}$. Cold neutrons, in-beam technique. JOUR PRVCA 71 055502
	2005ZH14	NUCLEAR REACTIONS $^1\text{H}(\gamma, \pi^+)$, $^2\text{H}(\gamma, p\pi^-)$, E=1.1-5.5 GeV; measured $\sigma(E, \theta)$; deduced scaling behavior. $^1\text{n}(\gamma, \pi^-)$, E=1.1-5.5 GeV; deduced $\sigma(E, \theta)$, scaling behavior. JOUR PRVCA 71 044603
^1H	2004FI12	NUCLEAR REACTIONS ^2H (polarized e, e'n), E=high; measured asymmetry, polarization transfer. ^1n deduced electric form factor. Comparison with previous work. JOUR FIZBE 13 545
	2004G058	NUCLEAR REACTIONS ^1H (polarized $\gamma, \pi^+\pi^-$), (polarized $\gamma, K^+\pi^-$), E=1.8-2.2 GeV; measured vector meson production associated particle spectra, angular distributions, asymmetries. Tagged photons. JOUR FIZBE 13 553
	2004KE18	NUCLEAR REACTIONS ^1H (polarized e, e' π^0), E=4.531 GeV; measured recoil polarization, response functions. JOUR FIZBE 13 81
	2004ST32	NUCLEAR REACTIONS ^1H (polarized $\gamma, \pi^+\pi^-$), E=0.6-2.3 GeV; measured $\sigma(\theta)$, cross-section asymmetries. Tagged photons. JOUR FIZBE 13 179
	2004WE17	NUCLEAR REACTIONS ^2H (polarized e, e'n), E=2.3, 3.5 GeV; measured electron and neutron spectra, asymmetries. ^1n deduced electric form factor. Comparison with previous results. Polarized target. JOUR FIZBE 13 531
	2005BA40	NUCLEAR REACTIONS $^1\text{H}(^{16}\text{O}, X)^1\text{H} / ^2\text{H} / ^3\text{H} / ^3\text{He} / ^4\text{He} / ^5\text{He} / ^6\text{He} / ^5\text{Li} / ^6\text{Li} / ^7\text{Li} / ^8\text{Li} / ^7\text{Be} / ^8\text{Be} / ^9\text{Be} / ^{10}\text{Be} / ^9\text{B} / ^{10}\text{B} / ^{11}\text{B} / ^{12}\text{B} / ^{10}\text{C} / ^{11}\text{C} / ^{12}\text{C} / ^{13}\text{C} / ^{14}\text{C} / ^{13}\text{N} / ^{14}\text{N} / ^{15}\text{N} / ^{14}\text{O} / ^{15}\text{O} / ^{16}\text{O}$, E at 3.25 GeV / c / nucleon; measured production σ . JOUR PZETA 81 174

A=1 (continued)

- 2005BA50 NUCLEAR REACTIONS $^1\text{H}(\text{polarized p, p})$, $E=0.45\text{-}2.5$ GeV; measured spin correlation coefficients vs energy, angle; deduced scattering phase shifts, scattering amplitudes. Polarized target. JOUR PRVCA 71 054002
- 2005BL09 NUCLEAR REACTIONS $^1\text{H}(^6\text{He}, ^6\text{He})$, $(^6\text{He}, ^6\text{He}')$, $E=15$ MeV / nucleon; measured $\sigma(q)$; deduced halo effect. $^1\text{H}(^6\text{He}, \alpha)$, $E=25$ MeV / nucleon; measured $\sigma(\theta)$. $^2\text{H}(^8\text{He}, ^6\text{Li})$, $E=15$ MeV / nucleon; measured excitation energy spectrum; deduced possible resonance structure. $^1\text{H}(^{22}\text{O}, ^{22}\text{O}')$, $E=46.6$ MeV / nucleon; measured $\sigma(E, \theta)$. JOUR NUPAB 752 279c
- 2005EL07 NUCLEAR REACTIONS $^1\text{H}(^{19}\text{C}, ^{19}\text{C}')$, $(^{19}\text{C}, ^{18}\text{CX})$, $(^{19}\text{C}, ^{17}\text{CX})$, $E \approx 49.4$ MeV / nucleon; $^1\text{H}(^{17}\text{C}, ^{17}\text{C}')$, $(^{17}\text{C}, ^{16}\text{CX})$, $E \approx 43.3$ MeV / nucleon; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (particle) γ -coin, σ . $^{17,19}\text{C}$ deduced levels, J , π . Comparison with shell model predictions. JOUR PYLBB 614 174
- 2005GIZZ NUCLEAR REACTIONS $^1\text{H}(^6\text{He}, \text{t})$, $(^6\text{He}, \alpha)$, $(^6\text{He}, ^6\text{He})$, $E=150$ MeV; measured particle spectra, $\sigma(\theta)$. ^6He deduced spectroscopic factors for cluster configurations. PREPRINT
nucl-ex/0505007,5/04/2005
- 2005GU18 NUCLEAR REACTIONS $^1\text{H}(\text{polarized p, p})$, $E(\text{cm})=200$ GeV; measured analyzing power. Comparison with model predictions. JOUR NPBSE 146 82
- 2005HAZU NUCLEAR REACTIONS $^1\text{H}(^6\text{He}, ^6\text{He})$, $E=71$ MeV / nucleon; measured $\sigma(\theta)$, $A_y(\theta)$. polarized target. CONF Argonne(Nuclei at the Limits),P360,Hatano
- 2005LI19 NUCLEAR REACTIONS $^2\text{H}(^8\text{Li}, ^9\text{Li})$, $E=39$ MeV; measured particle spectra, $\sigma(\theta)$. $^8\text{Li}(n, \gamma)$, $E=\text{low}$; deduced astrophysical reaction rates. JOUR PRVCA 71 052801
- 2005MA25 NUCLEAR REACTIONS $^1\text{H}(\text{polarized e, e})$, $E=570.4$ MeV; measured parity-violating asymmetry; deduced strangeness contribution. JOUR PRLTA 94 152001
- 2005NI13 RADIOACTIVITY $^1\text{n}(\beta^-)$; measured $T_{1/2}$. Cold neutrons, in-beam technique. JOUR PRVCA 71 055502
- 2005PU02 NUCLEAR REACTIONS $^1\text{H}(\text{polarized e, e})$, $E=0.934\text{-}4.091$ GeV; measured recoil proton spectra, polarization transfer, $A_y(\theta)$. ^1H deduced elastic form factor ratio. Comparison with model predictions. JOUR PRVCA 71 055202
- 2005QA01 NUCLEAR REACTIONS $^1\text{H}(\text{e, e})$, $E=1.9\text{-}4.7$ GeV; measured recoil proton spectra, $\sigma(\theta)$, σ . ^1H deduced electromagnetic form factors. JOUR PRLTA 94 142301
- 2005SE05 NUCLEAR REACTIONS $^2\text{H}(n, n)$, $(n, 2n)$, $E=13$ MeV; measured E_n , nn-coin, $\sigma(\theta_1, \theta_2)$ for seven exit-channel configurations. Comparison with model predictions. JOUR PRVCA 71 034006
- 2005ZH14 NUCLEAR REACTIONS $^1\text{H}(\gamma, \pi^+)$, $^2\text{H}(\gamma, p\pi^-)$, $E=1.1\text{-}5.5$ GeV; measured $\sigma(E, \theta)$; deduced scaling behavior. $^1\text{n}(\gamma, \pi^-)$, $E=1.1\text{-}5.5$ GeV; deduced $\sigma(E, \theta)$, scaling behavior. JOUR PRVCA 71 044603

A=2

- ^2n 2005BA43 NUCLEAR REACTIONS $^2\text{H}(\text{d}, 2\text{p})$, $E=171$ MeV; measured E_p , pp-coin, $\sigma(\theta)$; deduced neutron-neutron scattering length. JOUR PRVCA 71 044003
- ^2H 2004AZZW NUCLEAR REACTIONS $^2\text{H}(\text{polarized d}, \text{d}')$, E at 5.0 GeV / c; measured vector and tensor analyzing powers. REPT JINR-E1-2004-117, Azhgirey
- 2004S035 NUCLEAR REACTIONS $^7\text{Li}(^7\text{Li}, 2\alpha)$, $E=8, 30$ MeV; $^9\text{Be}(^7\text{Li}, ^7\text{Li})$, $(^7\text{Li}, \alpha^6\text{Li})$, $(^7\text{Li}, \alpha^7\text{Li})$, $E=52$ MeV; $^7\text{Li}(^9\text{Be}, \alpha^9\text{Be})$, $(^9\text{Be}, \alpha^{10}\text{Be})$, $E=70$ MeV; measured excitation energy spectra. $^9,^{10}\text{Be}$, $^{13,14}\text{C}$ deduced excited states, cluster structures. JOUR FIZBE 13 433
- 2005AG03 NUCLEAR REACTIONS $^2\text{H}, ^6\text{Li}(\text{polarized } \mu^+, \mu^+X)$, $E=160$ GeV; measured longitudinal spin asymmetry. ^2H deduced spin structure function. Comparison with previous results. JOUR PYLBB 612 154
- 2005AT04 NUCLEAR REACTIONS $^2\text{H}(\text{n}, \text{n}')$, $E=\text{low}$; measured production rate of ultracold neutrons with solid, liquid, and gaseous deuterium targets. JOUR PRVCA 71 054601
- 2005BA40 NUCLEAR REACTIONS $^1\text{H}(^{16}\text{O}, X)^1\text{H} / ^2\text{H} / ^3\text{H} / ^3\text{He} / ^4\text{He} / ^5\text{He} / ^6\text{He} / ^5\text{Li} / ^6\text{Li} / ^7\text{Li} / ^8\text{Li} / ^7\text{Be} / ^8\text{Be} / ^9\text{Be} / ^{10}\text{Be} / ^9\text{B} / ^{10}\text{B} / ^{11}\text{B} / ^{12}\text{B} / ^{10}\text{C} / ^{11}\text{C} / ^{12}\text{C} / ^{13}\text{C} / ^{14}\text{C} / ^{13}\text{N} / ^{14}\text{N} / ^{15}\text{N} / ^{14}\text{O} / ^{15}\text{O} / ^{16}\text{O}$, E at 3.25 GeV / c / nucleon; measured production σ . JOUR PZETA 81 174
- 2005G014 NUCLEAR REACTIONS $^3\text{He}(\alpha, \text{p}\alpha)$, $E=27.2$ MeV; measured E_p , E_α , $\text{p}\alpha$ -coin, $\sigma(E, \theta)$. ^6Li deduced excited states energies, widths. JOUR UKPJA 50 327
- 2005MI13 NUCLEAR REACTIONS $^6,7\text{Li}(^6\text{He}, \alpha^6\text{He})$, $^6\text{Li}(^6\text{He}, \text{t}2\alpha)$, $E=18$ MeV; measured excitation energy spectra. $^6,7\text{Li}$, $^{8,9,10}\text{Be}$ deduced cluster states. JOUR NUPAB 753 263
- 2005RV01 NUCLEAR REACTIONS $^3\text{He}(\text{e}, \text{e}'\text{p})$, $E=4806$ MeV; measured $\sigma(E, \theta)$, asymmetry; deduced final-state interaction effects, other reaction mechanism features. Comparison with model predictions. JOUR PRLTA 94 192302
- 2005SE05 NUCLEAR REACTIONS $^2\text{H}(\text{n}, \text{n})$, $(\text{n}, 2\text{n})$, $E=13$ MeV; measured E_n , nn-coin, $\sigma(\theta_1, \theta_2)$ for seven exit-channel configurations. Comparison with model predictions. JOUR PRVCA 71 034006

A=3

- ^3n 2005AL15 NUCLEAR REACTIONS $^7\text{Li}(^7\text{Li}, ^{11}\text{C})$, $(^7\text{Li}, ^{10}\text{C})$, $E=82$ MeV; measured particle spectra; deduced resonance formation σ upper limits. JOUR PZETA 81 49
- ^3H 2004S035 NUCLEAR REACTIONS $^7\text{Li}(^7\text{Li}, 2\alpha)$, $E=8, 30$ MeV; $^9\text{Be}(^7\text{Li}, ^7\text{Li})$, $(^7\text{Li}, \alpha^6\text{Li})$, $(^7\text{Li}, \alpha^7\text{Li})$, $E=52$ MeV; $^7\text{Li}(^9\text{Be}, \alpha^9\text{Be})$, $(^9\text{Be}, \alpha^{10}\text{Be})$, $E=70$ MeV; measured excitation energy spectra. $^9,^{10}\text{Be}$, $^{13,14}\text{C}$ deduced excited states, cluster structures. JOUR FIZBE 13 433

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- 2005BA40 NUCLEAR REACTIONS $^1\text{H}(^{16}\text{O}, \text{X})^1\text{H} / ^2\text{H} / ^3\text{H} / ^3\text{He} / ^4\text{He} / ^5\text{He} / ^6\text{He} / ^5\text{Li} / ^6\text{Li} / ^7\text{Li} / ^8\text{Li} / ^7\text{Be} / ^8\text{Be} / ^9\text{Be} / ^{10}\text{Be} / ^9\text{B} / ^{10}\text{B} / ^{11}\text{B} / ^{12}\text{B} / ^{10}\text{C} / ^{11}\text{C} / ^{12}\text{C} / ^{13}\text{C} / ^{14}\text{C} / ^{13}\text{N} / ^{14}\text{N} / ^{15}\text{N} / ^{14}\text{O} / ^{15}\text{O} / ^{16}\text{O}$, E at 3.25 GeV / c / nucleon; measured production σ . JOUR PZETA 81 174
- 2005BL09 NUCLEAR REACTIONS $^1\text{H}(^6\text{He}, ^6\text{He})$, ($^6\text{He}, ^6\text{He}'$), E=15 MeV / nucleon; measured $\sigma(q)$; deduced halo effect. $^1\text{H}(^6\text{He}, \alpha)$, E=25 MeV / nucleon; measured $\sigma(\theta)$. $^2\text{H}(^8\text{He}, ^6\text{Li})$, E=15 MeV / nucleon; measured excitation energy spectrum; deduced possible resonance structure. $^1\text{H}(^{22}\text{O}, ^{22}\text{O}')$, E=46.6 MeV / nucleon; measured $\sigma(E, \theta)$. JOUR NUPAB 752 279c
- 2005GIZZ NUCLEAR REACTIONS $^1\text{H}(^6\text{He}, t)$, ($^6\text{He}, \alpha$), ($^6\text{He}, ^6\text{He}$), E=150 MeV; measured particle spectra, $\sigma(\theta)$. ^6He deduced spectroscopic factors for cluster configurations. PREPRINT nucl-ex/0505007,5/04/2005
- 2005KR03 RADIOACTIVITY $^3\text{H}(\beta^-)$; measured E β ; deduced neutrino mass limit. JOUR ZCCNE 40 447
- 2005MI13 NUCLEAR REACTIONS $^{6,7}\text{Li}(^6\text{He}, \alpha^6\text{He})$, $^6\text{Li}(^6\text{He}, t2\alpha)$, E=18 MeV; measured excitation energy spectra. $^{6,7}\text{Li}$, $^{8,9,10}\text{Be}$ deduced cluster states. JOUR NUPAB 753 263
- ^3He 2005BA34 NUCLEAR REACTIONS $^{136}\text{Xe}(d, ^3\text{HeX})^{135}\text{Xe}$, E=500 MeV; $^1\text{H}(d, \pi^0)$, E=500 MeV; measured helium spectra. ^{135}Xe deduced pionic state binding energy. JOUR YAFIA 68 517
- 2005BA40 NUCLEAR REACTIONS $^1\text{H}(^{16}\text{O}, \text{X})^1\text{H} / ^2\text{H} / ^3\text{H} / ^3\text{He} / ^4\text{He} / ^5\text{He} / ^6\text{He} / ^5\text{Li} / ^6\text{Li} / ^7\text{Li} / ^8\text{Li} / ^7\text{Be} / ^8\text{Be} / ^9\text{Be} / ^{10}\text{Be} / ^9\text{B} / ^{10}\text{B} / ^{11}\text{B} / ^{12}\text{B} / ^{10}\text{C} / ^{11}\text{C} / ^{12}\text{C} / ^{13}\text{C} / ^{14}\text{C} / ^{13}\text{N} / ^{14}\text{N} / ^{15}\text{N} / ^{14}\text{O} / ^{15}\text{O} / ^{16}\text{O}$, E at 3.25 GeV / c / nucleon; measured production σ . JOUR PZETA 81 174
- 2005KR03 RADIOACTIVITY $^3\text{H}(\beta^-)$; measured E β ; deduced neutrino mass limit. JOUR ZCCNE 40 447
- 2005ME09 NUCLEAR REACTIONS $^1\text{H}(\text{polarized } d, \gamma)$, E=55, 66.5, 90 MeV / nucleon; measured E γ , (particle) γ -coin, vector and tensor analyzing powers. Comparison with model predictions. JOUR PYLBB 617 18
- 2005NA14 NUCLEAR REACTIONS $^2\text{H}(d, n)$, E > 80 keV; measured neutron spectra, yields. Deuteron beam from electrostatic field of pyroelectric crystal in a deuterated atmosphere. JOUR NATUA 434 1115
- 2005NIZX NUCLEAR REACTIONS $^4\text{He}(\gamma, n)$, E=23-42 MeV; measured neutron spectra, $\sigma(E, \theta)$; deduced parameters. Tagged photons, comparison with recoil-corrected continuum shell model and resonating group method predictions. PREPRINT nucl-ex/0506001,6/01/2005

A=4

- ^4n 2005AL15 NUCLEAR REACTIONS $^7\text{Li}(^7\text{Li}, ^{11}\text{C})$, ($^7\text{Li}, ^{10}\text{C}$), E=82 MeV; measured particle spectra; deduced resonance formation σ upper limits. JOUR PZETA 81 49

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- 2005BL09 NUCLEAR REACTIONS $^1\text{H}(^6\text{He}, ^6\text{He}), (^6\text{He}, ^6\text{He}')$, $E=15$ MeV / nucleon; measured $\sigma(q)$; deduced halo effect. $^1\text{H}(^6\text{He}, \alpha)$, $E=25$ MeV / nucleon; measured $\sigma(\theta)$. $^2\text{H}(^8\text{He}, ^6\text{Li})$, $E=15$ MeV / nucleon; measured excitation energy spectrum; deduced possible resonance structure. $^1\text{H}(^{22}\text{O}, ^{22}\text{O}')$, $E=46.6$ MeV / nucleon; measured $\sigma(E, \theta)$. JOUR NUPAB 752 279c
- ^4H 2005GU17 NUCLEAR REACTIONS $^9\text{Be}(\pi^-, \text{ptX}), (\pi^-, \text{dtX}), (\pi^-, \text{2tX})$, E at rest; $^{12}\text{C}(\pi^-, \text{ptX}), (\pi^-, \text{dtX}), (\pi^-, \text{2dX})$, E at rest; measured missing-mass spectra. $^{4,5}\text{H}$ deduced excited states energies, widths. JOUR ZAANE 24 231
- ^4He 2004BOZX NUCLEAR REACTIONS $^2\text{H}(t, n)$, $E=\text{low}$; measured muon-catalyzed fusion rates for various temperatures and densities. REPT JINR-E15-2004-132,Bom
- 2005AL27 NUCLEAR REACTIONS $^2\text{H}(^3\text{He}, p)$, $E=0.5-6$ MeV; measured E_p , $\sigma(E, \theta=135^\circ)$. Application to depth profiling discussed. JOUR NIMBE 234 169
- 2005ANZZ NUCLEAR REACTIONS $^4\text{He}(\text{polarized } e, e)$, $E=3.03$ GeV; measured parity-violating asymmetry. PREPRINT nucl-ex/0506010,6/07/2005
- 2005BA40 NUCLEAR REACTIONS $^1\text{H}(^{16}\text{O}, X)^1\text{H} / ^2\text{H} / ^3\text{H} / ^3\text{He} / ^4\text{He} / ^5\text{He} / ^6\text{He} / ^5\text{Li} / ^6\text{Li} / ^7\text{Li} / ^8\text{Li} / ^7\text{Be} / ^8\text{Be} / ^9\text{Be} / ^{10}\text{Be} / ^9\text{B} / ^{10}\text{B} / ^{11}\text{B} / ^{12}\text{B} / ^{10}\text{C} / ^{11}\text{C} / ^{12}\text{C} / ^{13}\text{C} / ^{14}\text{C} / ^{13}\text{N} / ^{14}\text{N} / ^{15}\text{N} / ^{14}\text{O} / ^{15}\text{O} / ^{16}\text{O}$, E at 3.25 GeV / c / nucleon; measured production σ . JOUR PZETA 81 174
- 2005B015 NUCLEAR REACTIONS $^3\text{H}(d, n)$, $E=\text{low}$; measured muon-catalyzed fusion rates, related quantities under a variety of D / T mixture conditions. JOUR ZETFA 127 752
- 2005BR15 NUCLEAR REACTIONS $^3\text{He}(^3\text{He}, 2p)$, $E(\text{cm}) \approx 16-100$ keV; measured E_p , pp-coin, astrophysical S-factor. $^{14}\text{N}(p, \gamma)$, $E=130-240$ keV; measured E_γ , astrophysical S-factor. JOUR NPBSE 145 33
- 2005DA12 NUCLEAR REACTIONS $^4\text{He}(\alpha, \alpha')$, $E=22.4, 26.5$ MeV; measured E_γ , $E\alpha$, $\alpha\alpha$ -, $\gamma\alpha$ -coin; deduced resonance σ . ^8Be deduced transition $B(E2)$, cluster structure. JOUR PRLTA 94 122502
- 2005FR14 NUCLEAR REACTIONS $^{12}\text{C}(^{12}\text{C}, ^8\text{Be}^{12}\text{C})$, $E=82-120$ MeV; measured particle spectra, angular distributions. ^{20}Ne deduced possible resonance states energies, J, π . JOUR PRVCA 71 047305
- 2005GIZZ NUCLEAR REACTIONS $^1\text{H}(^6\text{He}, t), (^6\text{He}, \alpha), (^6\text{He}, ^6\text{He})$, $E=150$ MeV; measured particle spectra, $\sigma(\theta)$. ^6He deduced spectroscopic factors for cluster configurations. PREPRINT nucl-ex/0505007,5/04/2005

A=5

- ^5H 2005GU07 NUCLEAR REACTIONS $^9\text{Be}(\pi^-, \text{dtX}), (\pi^-, \text{ptX}), (\pi^-, \text{pdX}), (\pi^-, \text{2dX})$, E at rest; $^{11}\text{B}(\pi^-, \text{p}\alpha\text{X})$, E at rest; measured missing mass spectra. $^{5,6}\text{H}$ deduced resonance parameters. JOUR YAFIA 68 520

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- 2005GU17 NUCLEAR REACTIONS ${}^9\text{Be}(\pi^-, \text{ptX})$, (π^-, dtX) , $(\pi^-, \text{2tX})$, E at rest; ${}^{12}\text{C}(\pi^-, \text{ptX})$, (π^-, dtX) , $(\pi^-, \text{2dX})$, E at rest; measured missing-mass spectra. ${}^4,5\text{H}$ deduced excited states energies, widths. JOUR ZAANE 24 231
- ${}^5\text{He}$ 2004S035 NUCLEAR REACTIONS ${}^7\text{Li}({}^7\text{Li}, 2\alpha)$, E=8, 30 MeV; ${}^9\text{Be}({}^7\text{Li}, {}^7\text{Li})$, $({}^7\text{Li}, \alpha^6\text{Li})$, $({}^7\text{Li}, \alpha^7\text{Li})$, E=52 MeV; ${}^7\text{Li}({}^9\text{Be}, \alpha^9\text{Be})$, $({}^9\text{Be}, \alpha^{10}\text{Be})$, E=70 MeV; measured excitation energy spectra. ${}^9,10\text{Be}$, ${}^{13,14}\text{C}$ deduced excited states, cluster structures. JOUR FIZBE 13 433
- 2005BA40 NUCLEAR REACTIONS ${}^1\text{H}({}^{16}\text{O}, \text{X}){}^1\text{H} / {}^2\text{H} / {}^3\text{H} / {}^3\text{He} / {}^4\text{He} / {}^5\text{He} / {}^6\text{He} / {}^5\text{Li} / {}^6\text{Li} / {}^7\text{Li} / {}^8\text{Li} / {}^7\text{Be} / {}^8\text{Be} / {}^9\text{Be} / {}^{10}\text{Be} / {}^9\text{B} / {}^{10}\text{B} / {}^{11}\text{B} / {}^{12}\text{B} / {}^{10}\text{C} / {}^{11}\text{C} / {}^{12}\text{C} / {}^{13}\text{C} / {}^{14}\text{C} / {}^{13}\text{N} / {}^{14}\text{N} / {}^{15}\text{N} / {}^{14}\text{O} / {}^{15}\text{O} / {}^{16}\text{O}$, E at 3.25 GeV / c / nucleon; measured production σ . JOUR PZETA 81 174
- 20050K02 NUCLEAR REACTIONS ${}^6\text{Li}(\pi^+, \text{K}^+\text{p})$, ${}^{12}\text{C}(\pi^+, \text{K}^+)$, E at 1.05 GeV / c; measured nucleon-nucleon pair spectra, yields following hypernucleus decay; deduced hyperon decay widths. JOUR NUPAB 752 196c
- 2005S0ZZ 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 particle spectra. ${}^{11}\text{C}$, ${}^{11}\text{B}$ deduced excited states energies, cluster structure, decay features. PREPRINT nucl-ex/0504026,4/25/2005
- ${}^5\text{Li}$ 2005BA40 NUCLEAR REACTIONS ${}^1\text{H}({}^{16}\text{O}, \text{X}){}^1\text{H} / {}^2\text{H} / {}^3\text{H} / {}^3\text{He} / {}^4\text{He} / {}^5\text{He} / {}^6\text{He} / {}^5\text{Li} / {}^6\text{Li} / {}^7\text{Li} / {}^8\text{Li} / {}^7\text{Be} / {}^8\text{Be} / {}^9\text{Be} / {}^{10}\text{Be} / {}^9\text{B} / {}^{10}\text{B} / {}^{11}\text{B} / {}^{12}\text{B} / {}^{10}\text{C} / {}^{11}\text{C} / {}^{12}\text{C} / {}^{13}\text{C} / {}^{14}\text{C} / {}^{13}\text{N} / {}^{14}\text{N} / {}^{15}\text{N} / {}^{14}\text{O} / {}^{15}\text{O} / {}^{16}\text{O}$, E at 3.25 GeV / c / nucleon; measured production σ . JOUR PZETA 81 174

A=6

- ${}^6\text{H}$ 2005GU07 NUCLEAR REACTIONS ${}^9\text{Be}(\pi^-, \text{dtX})$, (π^-, ptX) , (π^-, pdX) , $(\pi^-, \text{2dX})$, E at rest; ${}^{11}\text{B}(\pi^-, \text{p}\alpha\text{X})$, E at rest; measured missing mass spectra. ${}^5,6\text{H}$ deduced resonance parameters. JOUR YAFIA 68 520
- ${}^6\text{He}$ 2004S035 NUCLEAR REACTIONS ${}^7\text{Li}({}^7\text{Li}, 2\alpha)$, E=8, 30 MeV; ${}^9\text{Be}({}^7\text{Li}, {}^7\text{Li})$, $({}^7\text{Li}, \alpha^6\text{Li})$, $({}^7\text{Li}, \alpha^7\text{Li})$, E=52 MeV; ${}^7\text{Li}({}^9\text{Be}, \alpha^9\text{Be})$, $({}^9\text{Be}, \alpha^{10}\text{Be})$, E=70 MeV; measured excitation energy spectra. ${}^9,10\text{Be}$, ${}^{13,14}\text{C}$ deduced excited states, cluster structures. JOUR FIZBE 13 433
- 2005BA40 NUCLEAR REACTIONS ${}^1\text{H}({}^{16}\text{O}, \text{X}){}^1\text{H} / {}^2\text{H} / {}^3\text{H} / {}^3\text{He} / {}^4\text{He} / {}^5\text{He} / {}^6\text{He} / {}^5\text{Li} / {}^6\text{Li} / {}^7\text{Li} / {}^8\text{Li} / {}^7\text{Be} / {}^8\text{Be} / {}^9\text{Be} / {}^{10}\text{Be} / {}^9\text{B} / {}^{10}\text{B} / {}^{11}\text{B} / {}^{12}\text{B} / {}^{10}\text{C} / {}^{11}\text{C} / {}^{12}\text{C} / {}^{13}\text{C} / {}^{14}\text{C} / {}^{13}\text{N} / {}^{14}\text{N} / {}^{15}\text{N} / {}^{14}\text{O} / {}^{15}\text{O} / {}^{16}\text{O}$, E at 3.25 GeV / c / nucleon; measured production σ . JOUR PZETA 81 174
- 2005GIZZ NUCLEAR REACTIONS ${}^1\text{H}({}^6\text{He}, \text{t})$, $({}^6\text{He}, \alpha)$, $({}^6\text{He}, {}^6\text{He})$, E=150 MeV; measured particle spectra, $\sigma(\theta)$. ${}^6\text{He}$ deduced spectroscopic factors for cluster configurations. PREPRINT nucl-ex/0505007,5/04/2005
- ${}^6\text{Li}$ 2005AB04 NUCLEAR REACTIONS ${}^6,7\text{Li}(\pi^-, \text{pX})$, (π^-, dX) , (π^-, tX) , E at 0.72, 0.88 GeV / c; measured particle spectra, $\sigma(\theta)$, missing energy. ${}^6,7\text{Li}$ deduced effective quasideuteron numbers. JOUR YAFIA 68 503

A=6 (continued)

- 2005BA40 NUCLEAR REACTIONS $^1\text{H}(^{16}\text{O}, \text{X})^1\text{H} / ^2\text{H} / ^3\text{H} / ^3\text{He} / ^4\text{He} / ^5\text{He} / ^6\text{He} / ^5\text{Li} / ^6\text{Li} / ^7\text{Li} / ^8\text{Li} / ^7\text{Be} / ^8\text{Be} / ^9\text{Be} / ^{10}\text{Be} / ^9\text{B} / ^{10}\text{B} / ^{11}\text{B} / ^{12}\text{B} / ^{10}\text{C} / ^{11}\text{C} / ^{12}\text{C} / ^{13}\text{C} / ^{14}\text{C} / ^{13}\text{N} / ^{14}\text{N} / ^{15}\text{N} / ^{14}\text{O} / ^{15}\text{O} / ^{16}\text{O}$, E at 3.25 GeV / c / nucleon; measured production σ . JOUR PZETA 81 174
- 2005G014 NUCLEAR REACTIONS $^3\text{He}(\alpha, p\alpha)$, E=27.2 MeV; measured E_p , E_α , $p\alpha$ -coin, $\sigma(E, \theta)$. ^6Li deduced excited states energies, widths. JOUR UKPJA 50 327
- 2005MI13 NUCLEAR REACTIONS $^{6,7}\text{Li}(^6\text{He}, \alpha^6\text{He})$, $^6\text{Li}(^6\text{He}, t2\alpha)$, E=18 MeV; measured excitation energy spectra. $^{6,7}\text{Li}$, $^{8,9,10}\text{Be}$ deduced cluster states. JOUR NUPAB 753 263

A=7

- ^7He 2005WUZZ NUCLEAR REACTIONS $^2\text{H}(^6\text{He}, p)$, E=69 MeV; measured particle spectra, angular distributions. ^7He deduced excited states. CONF Argonne(Nuclei at the Limits),P393,Wuosmaa
- ^7Li 2005AB04 NUCLEAR REACTIONS $^{6,7}\text{Li}(\pi^-, pX)$, (π^-, dX) , (π^-, tX) , E at 0.72, 0.88 GeV / c; measured particle spectra, $\sigma(\theta)$, missing energy. $^{6,7}\text{Li}$ deduced effective quasideuteron numbers. JOUR YAFIA 68 503
- 2005BA40 NUCLEAR REACTIONS $^1\text{H}(^{16}\text{O}, \text{X})^1\text{H} / ^2\text{H} / ^3\text{H} / ^3\text{He} / ^4\text{He} / ^5\text{He} / ^6\text{He} / ^5\text{Li} / ^6\text{Li} / ^7\text{Li} / ^8\text{Li} / ^7\text{Be} / ^8\text{Be} / ^9\text{Be} / ^{10}\text{Be} / ^9\text{B} / ^{10}\text{B} / ^{11}\text{B} / ^{12}\text{B} / ^{10}\text{C} / ^{11}\text{C} / ^{12}\text{C} / ^{13}\text{C} / ^{14}\text{C} / ^{13}\text{N} / ^{14}\text{N} / ^{15}\text{N} / ^{14}\text{O} / ^{15}\text{O} / ^{16}\text{O}$, E at 3.25 GeV / c / nucleon; measured production σ . JOUR PZETA 81 174
- 2005MI13 NUCLEAR REACTIONS $^{6,7}\text{Li}(^6\text{He}, \alpha^6\text{He})$, $^6\text{Li}(^6\text{He}, t2\alpha)$, E=18 MeV; measured excitation energy spectra. $^{6,7}\text{Li}$, $^{8,9,10}\text{Be}$ deduced cluster states. JOUR NUPAB 753 263
- ^7Be 2004MAZP NUCLEAR REACTIONS C, ^{27}Al , Cu, Ag, $^{197}\text{Au}(\alpha, \text{X})^7\text{Be}$, E=400 MeV; C, ^{27}Al , Cu, Ag, $^{197}\text{Au}(n, \text{X})^7\text{Be}$, E < 500 MeV; Cu, Ag, $^{197}\text{Au}(\alpha, \text{X})^{10}\text{Be}$, E=400 MeV; Cu, Ag, $^{197}\text{Au}(n, \text{X})^{10}\text{Be}$, E < 500 MeV; measured yields. REPT KEK Preprint 2004-90,Matsumura
- 2005BA40 NUCLEAR REACTIONS $^1\text{H}(^{16}\text{O}, \text{X})^1\text{H} / ^2\text{H} / ^3\text{H} / ^3\text{He} / ^4\text{He} / ^5\text{He} / ^6\text{He} / ^5\text{Li} / ^6\text{Li} / ^7\text{Li} / ^8\text{Li} / ^7\text{Be} / ^8\text{Be} / ^9\text{Be} / ^{10}\text{Be} / ^9\text{B} / ^{10}\text{B} / ^{11}\text{B} / ^{12}\text{B} / ^{10}\text{C} / ^{11}\text{C} / ^{12}\text{C} / ^{13}\text{C} / ^{14}\text{C} / ^{13}\text{N} / ^{14}\text{N} / ^{15}\text{N} / ^{14}\text{O} / ^{15}\text{O} / ^{16}\text{O}$, E at 3.25 GeV / c / nucleon; measured production σ . JOUR PZETA 81 174
- 2005SI14 NUCLEAR REACTIONS C, O, Si, Mg, $\text{Al}(n, \text{X})^7\text{Be}$, E \approx 0.1-750 MeV; O, Si, Mg, $\text{Al}(n, \text{X})^{22}\text{Na} / ^{23}\text{Na}$, E \approx 0.1-750 MeV; $^{197}\text{Au}(n, \text{X})^{194}\text{Au} / ^{196}\text{Au} / ^{198}\text{Au}$, E \approx 0.1-750 MeV; Ti, Fe, Ni, $\text{Cu}(n, \text{X})^{46}\text{Sc} / ^{48}\text{Sc}$, E \approx 0.1-750 MeV; Fe, Ni, $\text{Cu}(n, \text{X})^{48}\text{V} / ^{51}\text{Cr} / ^{52}\text{Mn} / ^{54}\text{Mn}$, E \approx 0.1-750 MeV; Ni, $\text{Cu}(n, \text{X})^{56}\text{Ni} / ^{57}\text{Ni} / ^{56}\text{Co} / ^{57}\text{Co} / ^{58}\text{Co} / ^{60}\text{Co} / ^{59}\text{Fe}$, E \approx 0.1-750 MeV; measured energy-integrated production σ . JOUR NIMBE 234 419

A=8

- ⁸Li 2005BA40 NUCLEAR REACTIONS $^1\text{H}(^{16}\text{O}, \text{X})^1\text{H} / ^2\text{H} / ^3\text{H} / ^3\text{He} / ^4\text{He} / ^5\text{He} / ^6\text{He} / ^5\text{Li} / ^6\text{Li} / ^7\text{Li} / ^8\text{Li} / ^7\text{Be} / ^8\text{Be} / ^9\text{Be} / ^{10}\text{Be} / ^9\text{B} / ^{10}\text{B} / ^{11}\text{B} / ^{12}\text{B} / ^{10}\text{C} / ^{11}\text{C} / ^{12}\text{C} / ^{13}\text{C} / ^{14}\text{C} / ^{13}\text{N} / ^{14}\text{N} / ^{15}\text{N} / ^{14}\text{O} / ^{15}\text{O} / ^{16}\text{O}$, E at 3.25 GeV / c / nucleon; measured production σ .
JOUR PZETA 81 174
- 2005NA15 NUCLEAR REACTIONS $^7\text{Li}(\text{n}, \gamma)$, E \approx 10-80 keV; measured $E\gamma$, $I\gamma$, σ ; deduced interaction potential features. $^7\text{Be}(\text{p}, \gamma)$, E \approx 0.1-3 MeV; calculated astrophysical S-factor. JOUR PRVCA 71 055803
- ⁸Be 2005BA40 NUCLEAR REACTIONS $^1\text{H}(^{16}\text{O}, \text{X})^1\text{H} / ^2\text{H} / ^3\text{H} / ^3\text{He} / ^4\text{He} / ^5\text{He} / ^6\text{He} / ^5\text{Li} / ^6\text{Li} / ^7\text{Li} / ^8\text{Li} / ^7\text{Be} / ^8\text{Be} / ^9\text{Be} / ^{10}\text{Be} / ^9\text{B} / ^{10}\text{B} / ^{11}\text{B} / ^{12}\text{B} / ^{10}\text{C} / ^{11}\text{C} / ^{12}\text{C} / ^{13}\text{C} / ^{14}\text{C} / ^{13}\text{N} / ^{14}\text{N} / ^{15}\text{N} / ^{14}\text{O} / ^{15}\text{O} / ^{16}\text{O}$, E at 3.25 GeV / c / nucleon; measured production σ .
JOUR PZETA 81 174
- 2005DA12 NUCLEAR REACTIONS $^4\text{He}(\alpha, \alpha')$, E=22.4, 26.5 MeV; measured $E\gamma$, $E\alpha$, $\alpha\alpha$ -, $\gamma\alpha$ -coin; deduced resonance σ . ⁸Be deduced transition B(E2), cluster structure. JOUR PRLTA 94 122502
- 2005MI13 NUCLEAR REACTIONS $^{6,7}\text{Li}(^6\text{He}, \alpha^6\text{He})$, $^6\text{Li}(^6\text{He}, \text{t}2\alpha)$, E=18 MeV; measured excitation energy spectra. $^{6,7}\text{Li}$, $^{8,9,10}\text{Be}$ deduced cluster states. JOUR NUPAB 753 263
- ⁸B 2005NA15 NUCLEAR REACTIONS $^7\text{Li}(\text{n}, \gamma)$, E \approx 10-80 keV; measured $E\gamma$, $I\gamma$, σ ; deduced interaction potential features. $^7\text{Be}(\text{p}, \gamma)$, E \approx 0.1-3 MeV; calculated astrophysical S-factor. JOUR PRVCA 71 055803

A=9

- ⁹Li 2005LI19 NUCLEAR REACTIONS $^2\text{H}(^8\text{Li}, ^9\text{Li})$, E=39 MeV; measured particle spectra, $\sigma(\theta)$. $^8\text{Li}(\text{n}, \gamma)$, E=low; deduced astrophysical reaction rates. JOUR PRVCA 71 052801
- 2005PR11 RADIOACTIVITY $^9\text{Li}(\beta^-)$ [from Ta(p, X)]; measured β -delayed $E\alpha$, $\alpha\alpha$ -coin; deduced β -decay branching ratios. ⁹Be deduced levels, J, π , resonance states. JOUR PYLBB 618 43
- ⁹Be 2004S035 NUCLEAR REACTIONS $^7\text{Li}(^7\text{Li}, 2\alpha)$, E=8, 30 MeV; $^9\text{Be}(^7\text{Li}, ^7\text{Li})$, $(^7\text{Li}, \alpha^6\text{Li})$, $(^7\text{Li}, \alpha^7\text{Li})$, E=52 MeV; $^7\text{Li}(^9\text{Be}, \alpha^9\text{Be})$, $(^9\text{Be}, \alpha^{10}\text{Be})$, E=70 MeV; measured excitation energy spectra. $^{9,10}\text{Be}$, $^{13,14}\text{C}$ deduced excited states, cluster structures. JOUR FIZBE 13 433
- 2005BA40 NUCLEAR REACTIONS $^1\text{H}(^{16}\text{O}, \text{X})^1\text{H} / ^2\text{H} / ^3\text{H} / ^3\text{He} / ^4\text{He} / ^5\text{He} / ^6\text{He} / ^5\text{Li} / ^6\text{Li} / ^7\text{Li} / ^8\text{Li} / ^7\text{Be} / ^8\text{Be} / ^9\text{Be} / ^{10}\text{Be} / ^9\text{B} / ^{10}\text{B} / ^{11}\text{B} / ^{12}\text{B} / ^{10}\text{C} / ^{11}\text{C} / ^{12}\text{C} / ^{13}\text{C} / ^{14}\text{C} / ^{13}\text{N} / ^{14}\text{N} / ^{15}\text{N} / ^{14}\text{O} / ^{15}\text{O} / ^{16}\text{O}$, E at 3.25 GeV / c / nucleon; measured production σ .
JOUR PZETA 81 174
- 2005MI13 NUCLEAR REACTIONS $^{6,7}\text{Li}(^6\text{He}, \alpha^6\text{He})$, $^6\text{Li}(^6\text{He}, \text{t}2\alpha)$, E=18 MeV; measured excitation energy spectra. $^{6,7}\text{Li}$, $^{8,9,10}\text{Be}$ deduced cluster states. JOUR NUPAB 753 263
- 2005PR11 RADIOACTIVITY $^9\text{Li}(\beta^-)$ [from Ta(p, X)]; measured β -delayed $E\alpha$, $\alpha\alpha$ -coin; deduced β -decay branching ratios. ⁹Be deduced levels, J, π , resonance states. JOUR PYLBB 618 43

A=9 (continued)

⁹B 2005BA40 NUCLEAR REACTIONS ¹H(¹⁶O, X)¹H / ²H / ³H / ³He / ⁴He / ⁵He / ⁶He / ⁵Li / ⁶Li / ⁷Li / ⁸Li / ⁷Be / ⁸Be / ⁹Be / ¹⁰Be / ⁹B / ¹⁰B / ¹¹B / ¹²B / ¹⁰C / ¹¹C / ¹²C / ¹³C / ¹⁴C / ¹³N / ¹⁴N / ¹⁵N / ¹⁴O / ¹⁵O / ¹⁶O, E at 3.25 GeV / c / nucleon; measured production σ .
JOUR PZETA 81 174

A=10

¹⁰Be 2004MAZP NUCLEAR REACTIONS C, ²⁷Al, Cu, Ag, ¹⁹⁷Au(α , X)⁷Be, E=400 MeV; C, ²⁷Al, Cu, Ag, ¹⁹⁷Au(n, X)⁷Be, E < 500 MeV; Cu, Ag, ¹⁹⁷Au(α , X)¹⁰Be, E=400 MeV; Cu, Ag, ¹⁹⁷Au(n, X)¹⁰Be, E < 500 MeV; measured yields. REPT KEK Preprint 2004-90, Matsumura

2004S035 NUCLEAR REACTIONS ⁷Li(⁷Li, 2 α), E=8, 30 MeV; ⁹Be(⁷Li, ⁷Li), (⁷Li, α^6 Li), (⁷Li, α^7 Li), E=52 MeV; ⁷Li(⁹Be, α^9 Be), (⁹Be, α^{10} Be), E=70 MeV; measured excitation energy spectra. ^{9,10}Be, ^{13,14}C deduced excited states, cluster structures. JOUR FIZBE 13 433

2005BA40 NUCLEAR REACTIONS ¹H(¹⁶O, X)¹H / ²H / ³H / ³He / ⁴He / ⁵He / ⁶He / ⁵Li / ⁶Li / ⁷Li / ⁸Li / ⁷Be / ⁸Be / ⁹Be / ¹⁰Be / ⁹B / ¹⁰B / ¹¹B / ¹²B / ¹⁰C / ¹¹C / ¹²C / ¹³C / ¹⁴C / ¹³N / ¹⁴N / ¹⁵N / ¹⁴O / ¹⁵O / ¹⁶O, E at 3.25 GeV / c / nucleon; measured production σ .
JOUR PZETA 81 174

2005MI13 NUCLEAR REACTIONS ^{6,7}Li(⁶He, α^6 He), ⁶Li(⁶He, t2 α), E=18 MeV; measured excitation energy spectra. ^{6,7}Li, ^{8,9,10}Be deduced cluster states. JOUR NUPAB 753 263

¹⁰B 2005BA40 NUCLEAR REACTIONS ¹H(¹⁶O, X)¹H / ²H / ³H / ³He / ⁴He / ⁵He / ⁶He / ⁵Li / ⁶Li / ⁷Li / ⁸Li / ⁷Be / ⁸Be / ⁹Be / ¹⁰Be / ⁹B / ¹⁰B / ¹¹B / ¹²B / ¹⁰C / ¹¹C / ¹²C / ¹³C / ¹⁴C / ¹³N / ¹⁴N / ¹⁵N / ¹⁴O / ¹⁵O / ¹⁶O, E at 3.25 GeV / c / nucleon; measured production σ .
JOUR PZETA 81 174

¹⁰C 2005BA40 NUCLEAR REACTIONS ¹H(¹⁶O, X)¹H / ²H / ³H / ³He / ⁴He / ⁵He / ⁶He / ⁵Li / ⁶Li / ⁷Li / ⁸Li / ⁷Be / ⁸Be / ⁹Be / ¹⁰Be / ⁹B / ¹⁰B / ¹¹B / ¹²B / ¹⁰C / ¹¹C / ¹²C / ¹³C / ¹⁴C / ¹³N / ¹⁴N / ¹⁵N / ¹⁴O / ¹⁵O / ¹⁶O, E at 3.25 GeV / c / nucleon; measured production σ .
JOUR PZETA 81 174

A=11

¹¹Be 2005PAZZ NUCLEAR REACTIONS ¹²C(¹²Be, n¹¹Be), E=41 MeV / nucleon; measured E γ , I γ , particle spectra, σ (E). ¹¹Be deduced levels. ¹²Be deduced ground state configuration. CONF Argonne(Nuclei at the Limits), P373, Pain

¹¹B 2005BA40 NUCLEAR REACTIONS ¹H(¹⁶O, X)¹H / ²H / ³H / ³He / ⁴He / ⁵He / ⁶He / ⁵Li / ⁶Li / ⁷Li / ⁸Li / ⁷Be / ⁸Be / ⁹Be / ¹⁰Be / ⁹B / ¹⁰B / ¹¹B / ¹²B / ¹⁰C / ¹¹C / ¹²C / ¹³C / ¹⁴C / ¹³N / ¹⁴N / ¹⁵N / ¹⁴O / ¹⁵O / ¹⁶O, E at 3.25 GeV / c / nucleon; measured production σ .
JOUR PZETA 81 174

A=11 (continued)

- 2005ME05 NUCLEAR REACTIONS $^{14}\text{C}(^{11}\text{B}, ^{11}\text{B})$, (^{11}B , ^{14}C), $E=45$ MeV; measured $\sigma(E, \theta)$; deduced optical model parameters. ^{14}C levels deduced deformation parameters, single-particle structure. Coupled-channels analysis. JOUR NUPAB 753 13
- 2005R0ZX NUCLEAR REACTIONS $^{12}\text{C}(e, e'p)$, $E=3.123, 3.298$ GeV; measured electron and proton spectra; deduced nuclear transparency. PREPRINT nucl-ex/0506007,6/05/2005
- 2005S0ZZ NUCLEAR REACTIONS $^{16}\text{O}(^9\text{Be}, \alpha^7\text{Be})$, $^7\text{Li}(^9\text{Be}, \alpha^7\text{Li})$, (^9Be , $t2\alpha$), $E=55, 70$ MeV; measured particle spectra. ^{11}C , ^{11}B deduced excited states energies, cluster structure, decay features. PREPRINT nucl-ex/0504026,4/25/2005
- ^{11}C 2004B047 NUCLEAR REACTIONS $^{12}\text{C}(e, e'\pi^-p)$, $E=855$ MeV; measured Δ -particle production associated carbon, pion, and proton spectra; deduced medium effects. JOUR FIZBE 13 507
- 2005BA40 NUCLEAR REACTIONS $^1\text{H}(^{16}\text{O}, X)^1\text{H} / ^2\text{H} / ^3\text{H} / ^3\text{He} / ^4\text{He} / ^5\text{He} / ^6\text{He} / ^5\text{Li} / ^6\text{Li} / ^7\text{Li} / ^8\text{Li} / ^7\text{Be} / ^8\text{Be} / ^9\text{Be} / ^{10}\text{Be} / ^9\text{B} / ^{10}\text{B} / ^{11}\text{B} / ^{12}\text{B} / ^{10}\text{C} / ^{11}\text{C} / ^{12}\text{C} / ^{13}\text{C} / ^{14}\text{C} / ^{13}\text{N} / ^{14}\text{N} / ^{15}\text{N} / ^{14}\text{O} / ^{15}\text{O} / ^{16}\text{O}$, E at 3.25 GeV / c / nucleon; measured production σ . JOUR PZETA 81 174
- 2005KI09 NUCLEAR REACTIONS $^{12}\text{C}(p, d)$, $E=45$ MeV; measured deuteron spectra, $\sigma(E, \theta)$. JOUR KPSJA 46 1318
- 2005S0ZZ NUCLEAR REACTIONS $^{16}\text{O}(^9\text{Be}, \alpha^7\text{Be})$, $^7\text{Li}(^9\text{Be}, \alpha^7\text{Li})$, (^9Be , $t2\alpha$), $E=55, 70$ MeV; measured particle spectra. ^{11}C , ^{11}B deduced excited states energies, cluster structure, decay features. PREPRINT nucl-ex/0504026,4/25/2005

A=12

- ^{12}Be 2005PAZZ NUCLEAR REACTIONS $^{12}\text{C}(^{12}\text{Be}, n^{11}\text{Be})$, $E=41$ MeV / nucleon; measured $E\gamma$, $I\gamma$, particle spectra, $\sigma(E)$. ^{11}Be deduced levels. ^{12}Be deduced ground state configuration. CONF Argonne(Nuclei at the Limits),P373,Pain
- ^{12}B 2004FU34 NUCLEAR REACTIONS $\text{C}(e, e'K^+)$, $E=1.8$ GeV; measured missing mass spectrum. ^{12}B deduced hypernucleus excited states. JOUR FIZBE 13 645
- 2005BA40 NUCLEAR REACTIONS $^1\text{H}(^{16}\text{O}, X)^1\text{H} / ^2\text{H} / ^3\text{H} / ^3\text{He} / ^4\text{He} / ^5\text{He} / ^6\text{He} / ^5\text{Li} / ^6\text{Li} / ^7\text{Li} / ^8\text{Li} / ^7\text{Be} / ^8\text{Be} / ^9\text{Be} / ^{10}\text{Be} / ^9\text{B} / ^{10}\text{B} / ^{11}\text{B} / ^{12}\text{B} / ^{10}\text{C} / ^{11}\text{C} / ^{12}\text{C} / ^{13}\text{C} / ^{14}\text{C} / ^{13}\text{N} / ^{14}\text{N} / ^{15}\text{N} / ^{14}\text{O} / ^{15}\text{O} / ^{16}\text{O}$, E at 3.25 GeV / c / nucleon; measured production σ . JOUR PZETA 81 174
- 2005K013 NUCLEAR REACTIONS $^{12}\text{C}(^{17}\text{B}, ^{17}\text{B}')$, (^{17}B , ^{15}BX), (^{15}B , $^{15}\text{B}'$), (^{17}B , ^{14}BX), (^{17}B , ^{12}BX), (^{15}B , ^{14}BX), (^{15}B , ^{12}BX), $E \approx 70$ MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -coin. $^{12}\text{C}(^{17}\text{B}, ^{17}\text{B}')$, (^{15}B , $^{15}\text{B}'$), $E \approx 70$ MeV; measured $\sigma(E, \theta)$. $^{15,17}\text{B}$ deduced levels, transitions, quadrupole deformation lengths. $^{12,14}\text{B}$ deduced transitions. JOUR PRVCA 71 044611

A=12 (continued)

- ¹²C 2005AG04 NUCLEAR REACTIONS ^{6,7}Li, ¹²C, ²⁷Al, ⁵¹V(K⁻, π⁻X), E at rest; measured hypernucleus production associated mass spectra; deduced hypernucleus decay features. ¹²C deduced hypernucleus binding energies. JOUR NUPAB 752 139c
- 2005BA40 NUCLEAR REACTIONS ¹H(¹⁶O, X)¹H / ²H / ³H / ³He / ⁴He / ⁵He / ⁶He / ⁵Li / ⁶Li / ⁷Li / ⁸Li / ⁷Be / ⁸Be / ⁹Be / ¹⁰Be / ⁹B / ¹⁰B / ¹¹B / ¹²B / ¹⁰C / ¹¹C / ¹²C / ¹³C / ¹⁴C / ¹³N / ¹⁴N / ¹⁵N / ¹⁴O / ¹⁵O / ¹⁶O, E at 3.25 GeV / c / nucleon; measured production σ. JOUR PZETA 81 174
- 2005K013 NUCLEAR REACTIONS ¹²C(¹⁷B, ¹⁷B'), (¹⁷B, ¹⁵BX), (¹⁵B, ¹⁵B'), (¹⁷B, ¹⁴BX), (¹⁷B, ¹²BX), (¹⁵B, ¹⁴BX), (¹⁵B, ¹²BX), E ≈ 70 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coin. ¹²C(¹⁷B, ¹⁷B'), (¹⁵B, ¹⁵B'), E ≈ 70 MeV; measured σ(E, θ). ^{15,17}B deduced levels, transitions, quadrupole deformation lengths. ^{12,14}B deduced transitions. JOUR PRVCA 71 044611
- 2005OK02 NUCLEAR REACTIONS ⁶Li(π⁺, K⁺p), ¹²C(π⁺, K⁺), E at 1.05 GeV / c; measured nucleon-nucleon pair spectra, yields following hypernucleus decay; deduced hyperon decay widths. JOUR NUPAB 752 196c
- 2005PAZZ NUCLEAR REACTIONS ¹²C(¹²Be, n¹¹Be), E=41 MeV / nucleon; measured Eγ, Iγ, particle spectra, σ(E). ¹¹Be deduced levels. ¹²Be deduced ground state configuration. CONF Argonne(Nuclei at the Limits),P373,Pain

A=13

- ¹³C 2004S035 NUCLEAR REACTIONS ⁷Li(⁷Li, 2α), E=8, 30 MeV; ⁹Be(⁷Li, ⁷Li), (⁷Li, α⁶Li), (⁷Li, α⁷Li), E=52 MeV; ⁷Li(⁹Be, α⁹Be), (⁹Be, α¹⁰Be), E=70 MeV; measured excitation energy spectra. ^{9,10}Be, ^{13,14}C deduced excited states, cluster structures. JOUR FIZBE 13 433
- 2005BA40 NUCLEAR REACTIONS ¹H(¹⁶O, X)¹H / ²H / ³H / ³He / ⁴He / ⁵He / ⁶He / ⁵Li / ⁶Li / ⁷Li / ⁸Li / ⁷Be / ⁸Be / ⁹Be / ¹⁰Be / ⁹B / ¹⁰B / ¹¹B / ¹²B / ¹⁰C / ¹¹C / ¹²C / ¹³C / ¹⁴C / ¹³N / ¹⁴N / ¹⁵N / ¹⁴O / ¹⁵O / ¹⁶O, E at 3.25 GeV / c / nucleon; measured production σ. JOUR PZETA 81 174
- 2005TAZY NUCLEAR REACTIONS ¹⁴N(¹³N, ¹⁴O), E=11.8 MeV / nucleon; measured particle spectra; deduced asymptotic normalization coefficient. ¹³N(p, γ), E(cm) ≈ 0-600 keV; deduced astrophysical S-factor, reaction rate. Implications for novae nucleosynthesis discussed. CONF Argonne(Nuclei at the Limits),P329,Tang
- ¹³N 2005BA40 NUCLEAR REACTIONS ¹H(¹⁶O, X)¹H / ²H / ³H / ³He / ⁴He / ⁵He / ⁶He / ⁵Li / ⁶Li / ⁷Li / ⁸Li / ⁷Be / ⁸Be / ⁹Be / ¹⁰Be / ⁹B / ¹⁰B / ¹¹B / ¹²B / ¹⁰C / ¹¹C / ¹²C / ¹³C / ¹⁴C / ¹³N / ¹⁴N / ¹⁵N / ¹⁴O / ¹⁵O / ¹⁶O, E at 3.25 GeV / c / nucleon; measured production σ. JOUR PZETA 81 174

A=14

- ¹⁴B 2005K013 NUCLEAR REACTIONS ¹²C(¹⁷B, ¹⁷B'), (¹⁷B, ¹⁵BX), (¹⁵B, ¹⁵B'), (¹⁷B, ¹⁴BX), (¹⁷B, ¹²BX), (¹⁵B, ¹⁴BX), (¹⁵B, ¹²BX), E ≈ 70 MeV / nucleon; measured E γ , I γ , (particle) γ -coin. ¹²C(¹⁷B, ¹⁷B'), (¹⁵B, ¹⁵B'), E ≈ 70 MeV; measured $\sigma(E, \theta)$. ^{15,17}B deduced levels, transitions, quadrupole deformation lengths. ^{12,14}B deduced transitions. JOUR PRVCA 71 044611
- ¹⁴C 2004S035 NUCLEAR REACTIONS ⁷Li(⁷Li, 2 α), E=8, 30 MeV; ⁹Be(⁷Li, ⁷Li), (⁷Li, α ⁶Li), (⁷Li, α ⁷Li), E=52 MeV; ⁷Li(⁹Be, α ⁹Be), (⁹Be, α ¹⁰Be), E=70 MeV; measured excitation energy spectra. ^{9,10}Be, ^{13,14}C deduced excited states, cluster structures. JOUR FIZBE 13 433
- 2005BA40 NUCLEAR REACTIONS ¹H(¹⁶O, X)¹H / ²H / ³H / ³He / ⁴He / ⁵He / ⁶He / ⁵Li / ⁶Li / ⁷Li / ⁸Li / ⁷Be / ⁸Be / ⁹Be / ¹⁰Be / ⁹B / ¹⁰B / ¹¹B / ¹²B / ¹⁰C / ¹¹C / ¹²C / ¹³C / ¹⁴C / ¹³N / ¹⁴N / ¹⁵N / ¹⁴O / ¹⁵O / ¹⁶O, E at 3.25 GeV / c / nucleon; measured production σ . JOUR PZETA 81 174
- 2005G010 NUCLEAR REACTIONS ¹⁴N(μ^- , ν), E at 65 MeV / c; measured Doppler-shifted E γ , I γ ; deduced recoil nucleus alignment. Comparison with model predictions. JOUR PRVCA 71 035503
- 2005ME05 NUCLEAR REACTIONS ¹⁴C(¹¹B, ¹¹B), (¹¹B, ¹⁴C), E=45 MeV; measured $\sigma(E, \theta)$; deduced optical model parameters. ¹⁴C levels deduced deformation parameters, single-particle structure. Coupled-channels analysis. JOUR NUPAB 753 13
- 2005S0ZZ NUCLEAR REACTIONS ¹⁶O(⁹Be, α ⁷Be), ⁷Li(⁹Be, α ⁷Li), (⁹Be, t2 α), E=55, 70 MeV; measured particle spectra. ¹¹C, ¹¹B deduced excited states energies, cluster structure, decay features. PREPRINT nucl-ex/0504026,4/25/2005
- ¹⁴N 2005BA40 NUCLEAR REACTIONS ¹H(¹⁶O, X)¹H / ²H / ³H / ³He / ⁴He / ⁵He / ⁶He / ⁵Li / ⁶Li / ⁷Li / ⁸Li / ⁷Be / ⁸Be / ⁹Be / ¹⁰Be / ⁹B / ¹⁰B / ¹¹B / ¹²B / ¹⁰C / ¹¹C / ¹²C / ¹³C / ¹⁴C / ¹³N / ¹⁴N / ¹⁵N / ¹⁴O / ¹⁵O / ¹⁶O, E at 3.25 GeV / c / nucleon; measured production σ . JOUR PZETA 81 174
- ¹⁴O 2005BA40 NUCLEAR REACTIONS ¹H(¹⁶O, X)¹H / ²H / ³H / ³He / ⁴He / ⁵He / ⁶He / ⁵Li / ⁶Li / ⁷Li / ⁸Li / ⁷Be / ⁸Be / ⁹Be / ¹⁰Be / ⁹B / ¹⁰B / ¹¹B / ¹²B / ¹⁰C / ¹¹C / ¹²C / ¹³C / ¹⁴C / ¹³N / ¹⁴N / ¹⁵N / ¹⁴O / ¹⁵O / ¹⁶O, E at 3.25 GeV / c / nucleon; measured production σ . JOUR PZETA 81 174
- 2005NE05 NUCLEAR REACTIONS ¹⁴N(³He, t), E=140 MeV / nucleon; measured triton spectra. ¹⁴O deduced level energies, widths. JOUR PRVCA 71 047303
- 2005TAZY NUCLEAR REACTIONS ¹⁴N(¹³N, ¹⁴O), E=11.8 MeV / nucleon; measured particle spectra; deduced asymptotic normalization coefficient. ¹³N(p, γ), E(cm) ≈ 0-600 keV; deduced astrophysical S-factor, reaction rate. Implications for novae nucleosynthesis discussed. CONF Argonne(Nuclei at the Limits),P329,Tang

A=15

- ¹⁵B 2005K013 NUCLEAR REACTIONS ¹²C(¹⁷B, ¹⁷B'), (¹⁷B, ¹⁵BX), (¹⁵B, ¹⁵B'), (¹⁷B, ¹⁴BX), (¹⁷B, ¹²BX), (¹⁵B, ¹⁴BX), (¹⁵B, ¹²BX), E ≈ 70 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coin. ¹²C(¹⁷B, ¹⁷B'), (¹⁵B, ¹⁵B'), E ≈ 70 MeV; measured σ(E, θ). ^{15,17}B deduced levels, transitions, quadrupole deformation lengths. ^{12,14}B deduced transitions. JOUR PRVCA 71 044611
- ¹⁵N 2005BA40 NUCLEAR REACTIONS ¹H(¹⁶O, X)¹H / ²H / ³H / ³He / ⁴He / ⁵He / ⁶He / ⁵Li / ⁶Li / ⁷Li / ⁸Li / ⁷Be / ⁸Be / ⁹Be / ¹⁰Be / ⁹B / ¹⁰B / ¹¹B / ¹²B / ¹⁰C / ¹¹C / ¹²C / ¹³C / ¹⁴C / ¹³N / ¹⁴N / ¹⁵N / ¹⁴O / ¹⁵O / ¹⁶O, E at 3.25 GeV / c / nucleon; measured production σ. JOUR PZETA 81 174
- ¹⁵O 2004C027 NUCLEAR REACTIONS ¹⁴N(p, γ), E=low; measured astrophysical S-factors. Solid and gas targets. JOUR NIFCA 27 423
- 2005BA40 NUCLEAR REACTIONS ¹H(¹⁶O, X)¹H / ²H / ³H / ³He / ⁴He / ⁵He / ⁶He / ⁵Li / ⁶Li / ⁷Li / ⁸Li / ⁷Be / ⁸Be / ⁹Be / ¹⁰Be / ⁹B / ¹⁰B / ¹¹B / ¹²B / ¹⁰C / ¹¹C / ¹²C / ¹³C / ¹⁴C / ¹³N / ¹⁴N / ¹⁵N / ¹⁴O / ¹⁵O / ¹⁶O, E at 3.25 GeV / c / nucleon; measured production σ. JOUR PZETA 81 174
- 2005BR15 NUCLEAR REACTIONS ³He(³He, 2p), E(cm) ≈ 16-100 keV; measured Ep, pp-coin, astrophysical S-factor. ¹⁴N(p, γ), E=130-240 keV; measured Eγ, astrophysical S-factor. JOUR NPBSE 145 33
- 2005K009 NUCLEAR REACTIONS ²H(¹⁸F, p), E=108.5 MeV; measured Ep, σ(θ). ¹⁹F levels deduced spectroscopic factors. ¹⁹Ne calculated proton resonance widths. ¹⁸F(p, γ), (p, α), E=low; deduced astrophysical reaction rates. JOUR PRVCA 71 032801

A=16

- ¹⁶O 2005BA40 NUCLEAR REACTIONS ¹H(¹⁶O, X)¹H / ²H / ³H / ³He / ⁴He / ⁵He / ⁶He / ⁵Li / ⁶Li / ⁷Li / ⁸Li / ⁷Be / ⁸Be / ⁹Be / ¹⁰Be / ⁹B / ¹⁰B / ¹¹B / ¹²B / ¹⁰C / ¹¹C / ¹²C / ¹³C / ¹⁴C / ¹³N / ¹⁴N / ¹⁵N / ¹⁴O / ¹⁵O / ¹⁶O, E at 3.25 GeV / c / nucleon; measured production σ. JOUR PZETA 81 174
- 2005HA16 NUCLEAR REACTIONS ¹²C(α, γ), E(cm)=0.89-2.8 MeV; measured σ(θ), S-factors; deduced astrophysical reaction rate. JOUR NUPAB 752 514c
- 2005KHZZ NUCLEAR REACTIONS ¹⁶O(¹⁶O, ¹⁶O'), E=250, 350, 480, 704, 1120 MeV; measured σ(E, θ); deduced refractive features. DWBA and folding-model analyses, nuclear rainbow. PREPRINT nucl-ex/0504020,4/22/2005

A=17

- ¹⁷B 2005K013 NUCLEAR REACTIONS ¹²C(¹⁷B, ¹⁷B'), (¹⁷B, ¹⁵BX), (¹⁵B, ¹⁵B'), (¹⁷B, ¹⁴BX), (¹⁷B, ¹²BX), (¹⁵B, ¹⁴BX), (¹⁵B, ¹²BX), E ≈ 70 MeV / nucleon; measured E γ , I γ , (particle) γ -coin. ¹²C(¹⁷B, ¹⁷B'), (¹⁵B, ¹⁵B'), E ≈ 70 MeV; measured $\sigma(E, \theta)$. ^{15,17}B deduced levels, transitions, quadrupole deformation lengths. ^{12,14}B deduced transitions. JOUR PRVCA 71 044611
- ¹⁷C 2005EL07 NUCLEAR REACTIONS ¹H(¹⁹C, ¹⁹C'), (¹⁹C, ¹⁸CX), (¹⁹C, ¹⁷CX), E ≈ 49.4 MeV / nucleon; ¹H(¹⁷C, ¹⁷C'), (¹⁷C, ¹⁶CX), E ≈ 43.3 MeV / nucleon; measured E γ , I γ , $\gamma\gamma$ -, (particle) γ -coin, σ . ^{17,19}C deduced levels, J, π . Comparison with shell model predictions. JOUR PYLBB 614 174

A=18

- ¹⁸O 2005DE15 NUCLEAR REACTIONS ¹H(¹⁸O, p), (¹⁸Ne, p), E(cm) ≈ 900-6000 keV; measured E p , excitation functions, $\sigma(\theta=180^\circ)$. ¹⁹Na deduced level energies, J, π , widths, two-proton emission features. JOUR ZAANE 24 237
- ¹⁸F 2005F003 NUCLEAR REACTIONS ¹⁷O(p, γ), E=140-540 keV; measured E γ , I γ ; deduced resonance parameters, excitation functions, thermonuclear reaction rates. JOUR PRVCA 71 055801
- ¹⁸Ne 2005DE15 NUCLEAR REACTIONS ¹H(¹⁸O, p), (¹⁸Ne, p), E(cm) ≈ 900-6000 keV; measured E p , excitation functions, $\sigma(\theta=180^\circ)$. ¹⁹Na deduced level energies, J, π , widths, two-proton emission features. JOUR ZAANE 24 237

A=19

- ¹⁹C 2005EL07 NUCLEAR REACTIONS ¹H(¹⁹C, ¹⁹C'), (¹⁹C, ¹⁸CX), (¹⁹C, ¹⁷CX), E ≈ 49.4 MeV / nucleon; ¹H(¹⁷C, ¹⁷C'), (¹⁷C, ¹⁶CX), E ≈ 43.3 MeV / nucleon; measured E γ , I γ , $\gamma\gamma$ -, (particle) γ -coin, σ . ^{17,19}C deduced levels, J, π . Comparison with shell model predictions. JOUR PYLBB 614 174
- ¹⁹F 2005K009 NUCLEAR REACTIONS ²H(¹⁸F, p), E=108.5 MeV; measured E p , $\sigma(\theta)$. ¹⁹F levels deduced spectroscopic factors. ¹⁹Ne calculated proton resonance widths. ¹⁸F(p, γ), (p, α), E=low; deduced astrophysical reaction rates. JOUR PRVCA 71 032801
- ¹⁹Ne 2005K009 NUCLEAR REACTIONS ²H(¹⁸F, p), E=108.5 MeV; measured E p , $\sigma(\theta)$. ¹⁹F levels deduced spectroscopic factors. ¹⁹Ne calculated proton resonance widths. ¹⁸F(p, γ), (p, α), E=low; deduced astrophysical reaction rates. JOUR PRVCA 71 032801
- ¹⁹Na 2005DE15 NUCLEAR REACTIONS ¹H(¹⁸O, p), (¹⁸Ne, p), E(cm) ≈ 900-6000 keV; measured E p , excitation functions, $\sigma(\theta=180^\circ)$. ¹⁹Na deduced level energies, J, π , widths, two-proton emission features. JOUR ZAANE 24 237

A=20

- ²⁰O 2005WI05 NUCLEAR REACTIONS ¹⁰Be(¹⁴C, α), E=21.4 MeV; measured E_γ, E_α, α_γ-, γγ-coin. ²⁰O deduced levels, J, π, core excitation. Comparison with shell model predictions. JOUR PRLTA 94 132501
- ²⁰F 2005EG01 NUCLEAR REACTIONS ¹⁴N, ¹⁹F(n, γ), E=thermal; measured E_γ, I_γ, capture σ. JOUR NIMAE 545 296
- ²⁰Ne 2005FR14 NUCLEAR REACTIONS ¹²C(¹²C, ⁸Be¹²C), E=82-120 MeV; measured particle spectra, angular distributions. ²⁰Ne deduced possible resonance states energies, J, π. JOUR PRVCA 71 047305

A=21

No references found

A=22

- ²²O 2005WE06 RADIOACTIVITY ²²O, ²²F(β⁻) [from U(p, X) and subsequent decay]; measured E_γ, I_γ, γγ-, βγ-coin, T_{1/2}. ²²F deduced levels, J, π, β-feeding intensities. ²²Ne deduced transitions. Mass separator, comparison with model predictions. JOUR JPGPE 31 553
- ²²F 2005WE06 RADIOACTIVITY ²²O, ²²F(β⁻) [from U(p, X) and subsequent decay]; measured E_γ, I_γ, γγ-, βγ-coin, T_{1/2}. ²²F deduced levels, J, π, β-feeding intensities. ²²Ne deduced transitions. Mass separator, comparison with model predictions. JOUR JPGPE 31 553
- ²²Ne 2005WE06 RADIOACTIVITY ²²O, ²²F(β⁻) [from U(p, X) and subsequent decay]; measured E_γ, I_γ, γγ-, βγ-coin, T_{1/2}. ²²F deduced levels, J, π, β-feeding intensities. ²²Ne deduced transitions. Mass separator, comparison with model predictions. JOUR JPGPE 31 553
- ²²Na 2005SI14 NUCLEAR REACTIONS C, O, Si, Mg, Al(n, X)⁷Be, E ≈ 0.1-750 MeV; O, Si, Mg, Al(n, X)²²Na / ²³Na, E ≈ 0.1-750 MeV; ¹⁹⁷Au(n, X)¹⁹⁴Au / ¹⁹⁶Au / ¹⁹⁸Au, E ≈ 0.1-750 MeV; Ti, Fe, Ni, Cu(n, X)⁴⁶Sc / ⁴⁸Sc, E ≈ 0.1-750 MeV; Fe, Ni, Cu(n, X)⁴⁸V / ⁵¹Cr / ⁵²Mn / ⁵⁴Mn, E ≈ 0.1-750 MeV; Ni, Cu(n, X)⁵⁶Ni / ⁵⁷Ni / ⁵⁶Co / ⁵⁷Co / ⁵⁸Co / ⁶⁰Co / ⁵⁹Fe, E ≈ 0.1-750 MeV; measured energy-integrated production σ. JOUR NIMBE 234 419
- ²²Mg 2005CH30 NUCLEAR REACTIONS ¹H(²¹Na, γ), E(cm) ≈ 200-1100 keV; measured thick-target yield. ²¹Na(p, γ), E=low; deduced resonance parameters, astrophysical reaction rate. JOUR NUPAB 752 510c
- 2005PA31 NUCLEAR REACTIONS ²⁴Mg, ²⁸Si(p, t), E=33 MeV; measured triton spectra; deduced reaction Q-values. ²²Mg, ²⁶Si deduced mass excesses. JOUR PRVCA 71 055804

A=23

²³Na 2005SI14 NUCLEAR REACTIONS C, O, Si, Mg, Al(n, X)⁷Be, E ≈ 0.1-750 MeV; O, Si, Mg, Al(n, X)²²Na / ²³Na, E ≈ 0.1-750 MeV; ¹⁹⁷Au(n, X)¹⁹⁴Au / ¹⁹⁶Au / ¹⁹⁸Au, E ≈ 0.1-750 MeV; Ti, Fe, Ni, Cu(n, X)⁴⁶Sc / ⁴⁸Sc, E ≈ 0.1-750 MeV; Fe, Ni, Cu(n, X)⁴⁸V / ⁵¹Cr / ⁵²Mn / ⁵⁴Mn, E ≈ 0.1-750 MeV; Ni, Cu(n, X)⁵⁶Ni / ⁵⁷Ni / ⁵⁶Co / ⁵⁷Co / ⁵⁸Co / ⁶⁰Co / ⁵⁹Fe, E ≈ 0.1-750 MeV; measured energy-integrated production σ . JOUR NIMBE 234 419

A=24

²⁴Mg 2005JE03 NUCLEAR REACTIONS ¹²C(¹²C, γ), E(cm) ≈ 8 MeV; measured E γ , I γ , σ ; deduced role of doorway states. Gammasphere array. JOUR PRVCA 71 041301

2005JEZZ NUCLEAR REACTIONS ¹²C(¹²C, γ), E ≈ 16 MeV; measured E γ , I γ , σ ; deduced role of doorway states. Gammasphere array, mass separator. CONF Argonne(Nuclei at the Limits),P367,Jenkins

A=25

No references found

A=26

²⁶O 2005SCZY NUCLEAR REACTIONS C(²⁷F, X), (²⁹Ne, X), E ≈ 90 MeV / nucleon; measured isotopic yields following proton-stripping reactions; deduced no evidence for ²⁶O, ²⁸F. PREPRINT
nucl-ex/0504007,4/5/2005

²⁶Na 2005GR07 RADIOACTIVITY ²⁶Na(β^-) [from Si, Ta(p, X)]; measured E γ , I γ , T_{1/2}; deduced log ft. ²⁶Mg deduced levels, J, π , β -feeding intensities. JOUR PRVCA 71 044309

²⁶Mg 2005GR07 RADIOACTIVITY ²⁶Na(β^-) [from Si, Ta(p, X)]; measured E γ , I γ , T_{1/2}; deduced log ft. ²⁶Mg deduced levels, J, π , β -feeding intensities. JOUR PRVCA 71 044309

²⁶Si 2005PA31 NUCLEAR REACTIONS ²⁴Mg, ²⁸Si(p, t), E=33 MeV; measured triton spectra; deduced reaction Q-values. ²²Mg, ²⁶Si deduced mass excesses. JOUR PRVCA 71 055804

A=27

No references found

A=28

- ²⁸F 2005SCZY NUCLEAR REACTIONS C(²⁷F, X), (²⁹Ne, X), E ≈ 90 MeV / nucleon; measured isotopic yields following proton-stripping reactions; deduced no evidence for ²⁶O, ²⁸F. PREPRINT
nucl-ex/0504007,4/5/2005
- ²⁸Ne 2005TR05 RADIOACTIVITY ^{28,29}Ne(β^-) [from Be(⁴⁸Ca, X)]; measured E γ , I γ , $\gamma\gamma$ -, $\beta\gamma$ -coin; deduced log ft. ^{28,29}Na deduced levels, J, π , β -feeding intensities, configurations, inverted shell structure. JOUR PRLTA 94 162501
- ²⁸Na 2005TR05 RADIOACTIVITY ^{28,29}Ne(β^-) [from Be(⁴⁸Ca, X)]; measured E γ , I γ , $\gamma\gamma$ -, $\beta\gamma$ -coin; deduced log ft. ^{28,29}Na deduced levels, J, π , β -feeding intensities, configurations, inverted shell structure. JOUR PRLTA 94 162501

A=29

- ²⁹Ne 2005TR05 RADIOACTIVITY ^{28,29}Ne(β^-) [from Be(⁴⁸Ca, X)]; measured E γ , I γ , $\gamma\gamma$ -, $\beta\gamma$ -coin; deduced log ft. ^{28,29}Na deduced levels, J, π , β -feeding intensities, configurations, inverted shell structure. JOUR PRLTA 94 162501
- ²⁹Na 2005TR05 RADIOACTIVITY ^{28,29}Ne(β^-) [from Be(⁴⁸Ca, X)]; measured E γ , I γ , $\gamma\gamma$ -, $\beta\gamma$ -coin; deduced log ft. ^{28,29}Na deduced levels, J, π , β -feeding intensities, configurations, inverted shell structure. JOUR PRLTA 94 162501

A=30

- ³⁰Mg 2005NI09 NUCLEAR REACTIONS Ni(³⁰Mg, ³⁰Mg'), E=2.25 MeV / nucleon; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ³⁰Mg deduced transition, B(E2). JOUR NUPAB 752 273c
- 2005NI11 NUCLEAR REACTIONS Ni(³⁰Mg, ³⁰Mg'), E=2.25 MeV / nucleon; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ³⁰Mg transition deduced B(E2). JOUR PRLTA 94 172501
- ³⁰Al 2005UE01 RADIOACTIVITY ^{30,32}Al(β^-) [from ⁴⁰Ar fragmentation]; measured β -NMR spectra, T_{1/2}; deduced μ . JOUR PYLBB 615 186
- 2005UE01 NUCLEAR MOMENTS ^{30,32}Al; measured β -NMR spectra; deduced μ . JOUR PYLBB 615 186
- ³⁰Si 2005UE01 RADIOACTIVITY ^{30,32}Al(β^-) [from ⁴⁰Ar fragmentation]; measured β -NMR spectra, T_{1/2}; deduced μ . JOUR PYLBB 615 186

A=31

- ³¹P 2005DEZZ NUCLEAR REACTIONS ²⁴Mg(¹⁶O, n2 α), (¹⁶O, p2 α), (¹⁶O, n α), (¹⁶O, p α), E=70 MeV; measured E γ , I γ , $\gamma\gamma$ -, (charged particle) γ -, (neutron) γ -coin. ³¹S, ³¹P, ³⁵Ar, ³⁵Cl deduced levels, J, π , mirror energy differences. GASP, ISIS arrays. CONF Argonne(Nuclei at the Limits),P205,Della Vedova

A=31 (continued)

³¹S 2005DEZZ NUCLEAR REACTIONS ²⁴Mg(¹⁶O, n2α), (¹⁶O, p2α), (¹⁶O, nα), (¹⁶O, pα), E=70 MeV; measured Eγ, Iγ, γγ-, (charged particle)γ-, (neutron)γ-coin. ³¹S, ³¹P, ³⁵Ar, ³⁵Cl deduced levels, J, π, mirror energy differences. GASP, ISIS arrays. CONF Argonne(Nuclei at the Limits),P205,Della Vedova

A=32

³²Al 2005UE01 RADIOACTIVITY ^{30,32}Al(β⁻) [from ⁴⁰Ar fragmentation]; measured β-NMR spectra, T_{1/2}; deduced μ. JOUR PYLBB 615 186
2005UE01 NUCLEAR MOMENTS ^{30,32}Al; measured β-NMR spectra; deduced μ. JOUR PYLBB 615 186
³²Si 2005UE01 RADIOACTIVITY ^{30,32}Al(β⁻) [from ⁴⁰Ar fragmentation]; measured β-NMR spectra, T_{1/2}; deduced μ. JOUR PYLBB 615 186

A=33

No references found

A=34

³⁴P 2005OL02 NUCLEAR REACTIONS ¹⁷⁶Yb(³⁶S, X)³⁴P, E=230 MeV; measured Eγ, Iγ, γγ-coin. ³⁴P deduced levels, J, π, configurations. GASP array, level systematics in neighboring isotopes discussed. JOUR PRVCA 71 034316

A=35

³⁵Cl 2005DEZZ NUCLEAR REACTIONS ²⁴Mg(¹⁶O, n2α), (¹⁶O, p2α), (¹⁶O, nα), (¹⁶O, pα), E=70 MeV; measured Eγ, Iγ, γγ-, (charged particle)γ-, (neutron)γ-coin. ³¹S, ³¹P, ³⁵Ar, ³⁵Cl deduced levels, J, π, mirror energy differences. GASP, ISIS arrays. CONF Argonne(Nuclei at the Limits),P205,Della Vedova
³⁵Ar 2005DEZZ NUCLEAR REACTIONS ²⁴Mg(¹⁶O, n2α), (¹⁶O, p2α), (¹⁶O, nα), (¹⁶O, pα), E=70 MeV; measured Eγ, Iγ, γγ-, (charged particle)γ-, (neutron)γ-coin. ³¹S, ³¹P, ³⁵Ar, ³⁵Cl deduced levels, J, π, mirror energy differences. GASP, ISIS arrays. CONF Argonne(Nuclei at the Limits),P205,Della Vedova

A=36

³⁶Si 2005CAZZ NUCLEAR REACTIONS ¹H(³⁶Si, p), (³⁸Si, p), E not given; measured particle spectra, (particle)γ-coin. ^{36,38}Si deduced excited states energies. CONF Argonne(Nuclei at the Limits),P127,Campbell

A=37

No references found

A=38

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| ³⁸ Si | 2005CAZZ | NUCLEAR REACTIONS ¹ H(³⁶ Si, p), (³⁸ Si, p), E not given; measured particle spectra, (particle) γ -coin. ^{36,38} Si deduced excited states energies. CONF Argonne(Nuclei at the Limits),P127,Campbell |
| ³⁸ Ar | 2005G011 | RADIOACTIVITY ^{38m} K(β^+); measured E β , recoil spectrum, (recoil) β -coin; deduced β - ν correlation parameter. Magneto-optical trap. JOUR PRLTA 94 142501 |
| ³⁸ K | 2005G011 | RADIOACTIVITY ^{38m} K(β^+); measured E β , recoil spectrum, (recoil) β -coin; deduced β - ν correlation parameter. Magneto-optical trap. JOUR PRLTA 94 142501 |

A=39

No references found

A=40

No references found

A=41

No references found

A=42

- | | | |
|------------------|----------|---|
| ⁴² Si | 2005FR19 | NUCLEAR REACTIONS Be(⁴⁴ S, X) ⁴³ P / ⁴² Si, E=98.6 MeV / nucleon; Be(⁴⁶ Ar, X) ⁴⁴ S, E=98.1 MeV / nucleon; measured particle spectra, E γ , I γ , (particle) γ -coin; deduced σ . ⁴³ P deduced transition. ⁴² Si, ⁴³ P, ⁴⁴ S deduced ground-state configurations, shell closure features. JOUR NATUA 435 922 |
| ⁴² K | 2005IDZZ | NUCLEAR REACTIONS ⁹ Be(³⁷ P, X) ⁴² K, E \approx 5 MeV / nucleon; ⁹ Be(⁴⁶ Ar, X) ⁴⁹ Ti / ⁵⁰ Ti / ⁵¹ Ti / ⁴⁶ Ca, E \approx 5 MeV / nucleon; measured E γ , I γ . ⁴² K, ^{49,50,51} Ti, ⁴⁶ Ca deduced levels, J, π . ⁹ Be(⁴⁶ Ar, xn), E=2-7 MeV / nucleon; measured excitation functions. CONF Argonne(Nuclei at the Limits),P136,Ideguchi |
| ⁴² Ca | 2005KM01 | NUCLEAR REACTIONS ²⁸ Si(¹⁸ O, X), E=105 MeV; measured E γ , I γ . ⁴⁶ Ti deduced GDR strength function. ⁴² Ca deduced feeding of highly-deformed rotational band from GDR decay. Euroball IV and Hector arrays. JOUR APOBB 36 1169 |

A=43

⁴³P 2005FR19 NUCLEAR REACTIONS Be(⁴⁴S, X)⁴³P / ⁴²Si, E=98.6 MeV / nucleon; Be(⁴⁶Ar, X)⁴⁴S, E=98.1 MeV / nucleon; measured particle spectra, E γ , I γ , (particle) γ -coin; deduced σ . ⁴³P deduced transition. ⁴²Si, ⁴³P, ⁴⁴S deduced ground-state configurations, shell closure features. JOUR NATUA 435 922

A=44

⁴⁴S 2005FR19 NUCLEAR REACTIONS Be(⁴⁴S, X)⁴³P / ⁴²Si, E=98.6 MeV / nucleon; Be(⁴⁶Ar, X)⁴⁴S, E=98.1 MeV / nucleon; measured particle spectra, E γ , I γ , (particle) γ -coin; deduced σ . ⁴³P deduced transition. ⁴²Si, ⁴³P, ⁴⁴S deduced ground-state configurations, shell closure features. JOUR NATUA 435 922

A=45

⁴⁵Ar 2005GA18 NUCLEAR REACTIONS ⁹Be(⁴⁶Ar, ⁴⁵ArX), E=70 MeV / nucleon; measured E γ , I γ , fragments parallel momentum distributions following one-neutron removal; deduced dissipative effects. ⁴⁵Ar levels deduced branching ratios, spectroscopic factors. Comparison with eikonal theory. JOUR PRVCA 71 051301

A=46

⁴⁶Ca 2005IDZZ NUCLEAR REACTIONS ⁹Be(³⁷P, X)⁴²K, E \approx 5 MeV / nucleon; ⁹Be(⁴⁶Ar, X)⁴⁹Ti / ⁵⁰Ti / ⁵¹Ti / ⁴⁶Ca, E \approx 5 MeV / nucleon; measured E γ , I γ . ⁴²K, ^{49,50,51}Ti, ⁴⁶Ca deduced levels, J, π . ⁹Be(⁴⁶Ar, xn), E=2-7 MeV / nucleon; measured excitation functions. CONF Argonne(Nuclei at the Limits),P136,Ideguchi

⁴⁶Sc 2005SI14 NUCLEAR REACTIONS C, O, Si, Mg, Al(n, X)⁷Be, E \approx 0.1-750 MeV; O, Si, Mg, Al(n, X)²²Na / ²³Na, E \approx 0.1-750 MeV; ¹⁹⁷Au(n, X)¹⁹⁴Au / ¹⁹⁶Au / ¹⁹⁸Au, E \approx 0.1-750 MeV; Ti, Fe, Ni, Cu(n, X)⁴⁶Sc / ⁴⁸Sc, E \approx 0.1-750 MeV; Fe, Ni, Cu(n, X)⁴⁸V / ⁵¹Cr / ⁵²Mn / ⁵⁴Mn, E \approx 0.1-750 MeV; Ni, Cu(n, X)⁵⁶Ni / ⁵⁷Ni / ⁵⁶Co / ⁵⁷Co / ⁵⁸Co / ⁶⁰Co / ⁵⁹Fe, E \approx 0.1-750 MeV; measured energy-integrated production σ . JOUR NIMBE 234 419

⁴⁶Ti 2005KM01 NUCLEAR REACTIONS ²⁸Si(¹⁸O, X), E=105 MeV; measured E γ , I γ . ⁴⁶Ti deduced GDR strength function. ⁴²Ca deduced feeding of highly-deformed rotational band from GDR decay. Euroball IV and Hector arrays. JOUR APOBB 36 1169

A=47

No references found

A=48

- ⁴⁸Sc 2005SI14 NUCLEAR REACTIONS C, O, Si, Mg, Al(n, X)⁷Be, E ≈ 0.1-750 MeV; O, Si, Mg, Al(n, X)²²Na / ²³Na, E ≈ 0.1-750 MeV; ¹⁹⁷Au(n, X)¹⁹⁴Au / ¹⁹⁶Au / ¹⁹⁸Au, E ≈ 0.1-750 MeV; Ti, Fe, Ni, Cu(n, X)⁴⁶Sc / ⁴⁸Sc, E ≈ 0.1-750 MeV; Fe, Ni, Cu(n, X)⁴⁸V / ⁵¹Cr / ⁵²Mn / ⁵⁴Mn, E ≈ 0.1-750 MeV; Ni, Cu(n, X)⁵⁶Ni / ⁵⁷Ni / ⁵⁶Co / ⁵⁷Co / ⁵⁸Co / ⁶⁰Co / ⁵⁹Fe, E ≈ 0.1-750 MeV; measured energy-integrated production σ . JOUR NIMBE 234 419
- ⁴⁸Ti 2005PA23 NUCLEAR REACTIONS C(⁷⁸Ge, ⁷⁸Ge'), (⁸⁰Ge, ⁸⁰Ge'), E=2.24 MeV / nucleon; ⁴⁸Ti(⁸²Ge, ⁸²Ge'), E=220 MeV; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{78,80,82}Ge deduced excitation B(E2). Systematic trends in B(E2) values discussed. JOUR PRITA 94 122501
- ⁴⁸V 2005CHZY NUCLEAR REACTIONS ¹⁰B(⁴⁰Ca, X)⁴⁸Mn / ⁴⁸V, E=110 MeV; measured E γ , I γ , $\gamma\gamma$ -, (recoil) γ -coin. ⁴⁸Mn, ⁴⁸V deduced levels, J, π , Coulomb energy differences. Gammasphere array, mass separator. CONF Argonne(Nuclei at the Limits),P199,Chandler
- 2005SI14 NUCLEAR REACTIONS C, O, Si, Mg, Al(n, X)⁷Be, E ≈ 0.1-750 MeV; O, Si, Mg, Al(n, X)²²Na / ²³Na, E ≈ 0.1-750 MeV; ¹⁹⁷Au(n, X)¹⁹⁴Au / ¹⁹⁶Au / ¹⁹⁸Au, E ≈ 0.1-750 MeV; Ti, Fe, Ni, Cu(n, X)⁴⁶Sc / ⁴⁸Sc, E ≈ 0.1-750 MeV; Fe, Ni, Cu(n, X)⁴⁸V / ⁵¹Cr / ⁵²Mn / ⁵⁴Mn, E ≈ 0.1-750 MeV; Ni, Cu(n, X)⁵⁶Ni / ⁵⁷Ni / ⁵⁶Co / ⁵⁷Co / ⁵⁸Co / ⁶⁰Co / ⁵⁹Fe, E ≈ 0.1-750 MeV; measured energy-integrated production σ . JOUR NIMBE 234 419
- ⁴⁸Mn 2005CHZY NUCLEAR REACTIONS ¹⁰B(⁴⁰Ca, X)⁴⁸Mn / ⁴⁸V, E=110 MeV; measured E γ , I γ , $\gamma\gamma$ -, (recoil) γ -coin. ⁴⁸Mn, ⁴⁸V deduced levels, J, π , Coulomb energy differences. Gammasphere array, mass separator. CONF Argonne(Nuclei at the Limits),P199,Chandler

A=49

- ⁴⁹Ti 2005IDZZ NUCLEAR REACTIONS ⁹Be(³⁷P, X)⁴²K, E ≈ 5 MeV / nucleon; ⁹Be(⁴⁶Ar, X)⁴⁹Ti / ⁵⁰Ti / ⁵¹Ti / ⁴⁶Ca, E ≈ 5 MeV / nucleon; measured E γ , I γ . ⁴²K, ^{49,50,51}Ti, ⁴⁶Ca deduced levels, J, π . ⁹Be(⁴⁶Ar, xn), E=2-7 MeV / nucleon; measured excitation functions. CONF Argonne(Nuclei at the Limits),P136,Ideguchi

A=50

- ⁵⁰Ca 2005BR18 NUCLEAR REACTIONS ⁴⁸Ca(⁴⁸Ca, X)⁵⁰Ca / ⁵¹Sc, E=210 MeV; ²⁰⁸Pb(⁴⁸Ca, X)⁵⁰Ca / ⁵¹Sc, E=280 MeV; ²³⁸U(⁴⁸Ca, X)⁵⁰Ca / ⁵¹Sc, E=330 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ⁵⁰Ca, ⁵¹Sc deduced levels, J, π , configurations. GASP, Gammasphere arrays. JOUR APOBB 36 1343
- ⁵⁰Ti 2005IDZZ NUCLEAR REACTIONS ⁹Be(³⁷P, X)⁴²K, E ≈ 5 MeV / nucleon; ⁹Be(⁴⁶Ar, X)⁴⁹Ti / ⁵⁰Ti / ⁵¹Ti / ⁴⁶Ca, E ≈ 5 MeV / nucleon; measured E γ , I γ . ⁴²K, ^{49,50,51}Ti, ⁴⁶Ca deduced levels, J, π . ⁹Be(⁴⁶Ar, xn), E=2-7 MeV / nucleon; measured excitation functions. CONF Argonne(Nuclei at the Limits),P136,Ideguchi

A=50 (continued)

- ⁵⁰V 2005SU07 NUCLEAR REACTIONS ⁵¹V(³He, ³He'), (³He, α), E not given; measured E_γ, I_γ. ^{50,51}V deduced radiative strength functions, thermodynamic properties. JOUR APOBB 36 1197
- ⁵⁰Cr 2005SAZY NUCLEAR REACTIONS ¹⁹⁷Au(⁵⁴Cr, ⁵⁴Cr'), (⁵⁶Cr, ⁵⁶Cr'), (⁵⁸Cr, ⁵⁸Cr'), E=100 MeV / nucleon; measured E_γ, I_γ, (particle)γ-coin following projectile Coulomb excitation. ^{54,56,58}Cr deduced transitions. Be(⁵⁵Ni, X)⁵⁰Cr, E=171 MeV / nucleon; measured E_γ, I_γ, (particle)γ-coin. ⁵⁰Cr deduced transitions. Be(⁵⁵Ni, X), ¹⁹⁷Au(¹⁰⁸Sn, X), E not given; measured fragment yields. CONF Argonne(Nuclei at the Limits),P151,Saito

A=51

- ⁵¹Sc 2005BR18 NUCLEAR REACTIONS ⁴⁸Ca(⁴⁸Ca, X)⁵⁰Ca / ⁵¹Sc, E=210 MeV; ²⁰⁸Pb(⁴⁸Ca, X)⁵⁰Ca / ⁵¹Sc, E=280 MeV; ²³⁸U(⁴⁸Ca, X)⁵⁰Ca / ⁵¹Sc, E=330 MeV; measured E_γ, I_γ, γγ-coin. ⁵⁰Ca, ⁵¹Sc deduced levels, J, π, configurations. GASP, Gammasphere arrays. JOUR APOBB 36 1343
- ⁵¹Ti 2005IDZZ NUCLEAR REACTIONS ⁹Be(³⁷P, X)⁴²K, E ≈ 5 MeV / nucleon; ⁹Be(⁴⁶Ar, X)⁴⁹Ti / ⁵⁰Ti / ⁵¹Ti / ⁴⁶Ca, E ≈ 5 MeV / nucleon; measured E_γ, I_γ. ⁴²K, ^{49,50,51}Ti, ⁴⁶Ca deduced levels, J, π. ⁹Be(⁴⁶Ar, xn), E=2-7 MeV / nucleon; measured excitation functions. CONF Argonne(Nuclei at the Limits),P136,Ideguchi
- ⁵¹V 2005SU07 NUCLEAR REACTIONS ⁵¹V(³He, ³He'), (³He, α), E not given; measured E_γ, I_γ. ^{50,51}V deduced radiative strength functions, thermodynamic properties. JOUR APOBB 36 1197
- ⁵¹Cr 2005SI14 NUCLEAR REACTIONS C, O, Si, Mg, Al(n, X)⁷Be, E ≈ 0.1-750 MeV; O, Si, Mg, Al(n, X)²²Na / ²³Na, E ≈ 0.1-750 MeV; ¹⁹⁷Au(n, X)¹⁹⁴Au / ¹⁹⁶Au / ¹⁹⁸Au, E ≈ 0.1-750 MeV; Ti, Fe, Ni, Cu(n, X)⁴⁶Sc / ⁴⁸Sc, E ≈ 0.1-750 MeV; Fe, Ni, Cu(n, X)⁴⁸V / ⁵¹Cr / ⁵²Mn / ⁵⁴Mn, E ≈ 0.1-750 MeV; Ni, Cu(n, X)⁵⁶Ni / ⁵⁷Ni / ⁵⁶Co / ⁵⁷Co / ⁵⁸Co / ⁶⁰Co / ⁵⁹Fe, E ≈ 0.1-750 MeV; measured energy-integrated production σ. JOUR NIMBE 234 419

A=52

- ⁵²Ti 2005DI05 NUCLEAR REACTIONS ¹⁹⁷Au(⁷⁶Ge, ⁷⁶Ge'), (⁵²Ti, ⁵²Ti'), (⁵⁴Ti, ⁵⁴Ti'), (⁵⁶Ti, ⁵⁶Ti'), E ≈ 80-90 MeV; measured E_γ, I_γ, (particle)γ-coin following projectile Coulomb excitation. ^{52,54,56}Ti deduced transitions B(E2), subshell closures. Comparison with large-scale shell model calculations. JOUR PRVCA 71 041302
- 2005DIZZ NUCLEAR REACTIONS ²³⁸U(⁴⁸Ca, X)⁵⁶Ti, E=330 MeV; measured E_γ, I_γ, γγ-coin. ⁵⁶Ti deduced levels, J, π. ¹⁹⁷Au(⁷⁶Ge, ⁷⁶Ge'), (⁵²Ti, ⁵²Ti'), (⁵⁴Ti, ⁵⁴Ti'), (⁵⁶Ti, ⁵⁶Ti'), E ≈ 80-90 MeV; measured E_γ, I_γ, (particle)γ-coin following projectile Coulomb excitation. ^{52,54,56}Ti, ⁷⁶Ge, ¹⁹⁷Au deduced transitions B(E2). CONF Argonne(Nuclei at the Limits),P131,Dinca

A=52 (continued)

- ⁵²Mn 2005SI14 NUCLEAR REACTIONS C, O, Si, Mg, Al(n, X)⁷Be, E ≈ 0.1-750 MeV; O, Si, Mg, Al(n, X)²²Na / ²³Na, E ≈ 0.1-750 MeV; ¹⁹⁷Au(n, X)¹⁹⁴Au / ¹⁹⁶Au / ¹⁹⁸Au, E ≈ 0.1-750 MeV; Ti, Fe, Ni, Cu(n, X)⁴⁶Sc / ⁴⁸Sc, E ≈ 0.1-750 MeV; Fe, Ni, Cu(n, X)⁴⁸V / ⁵¹Cr / ⁵²Mn / ⁵⁴Mn, E ≈ 0.1-750 MeV; Ni, Cu(n, X)⁵⁶Ni / ⁵⁷Ni / ⁵⁶Co / ⁵⁷Co / ⁵⁸Co / ⁶⁰Co / ⁵⁹Fe, E ≈ 0.1-750 MeV; measured energy-integrated production σ . JOUR NIMBE 234 419
- ⁵²Fe 2005GA15 NUCLEAR REACTIONS ¹⁹⁷Au(⁵²Fe, ⁵²Fe'), (⁵⁴Ni, ⁵⁴Ni'), (⁵⁶Ni, ⁵⁶Ni'), (⁵⁸Ni, ⁵⁸Ni'), E not given; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ⁵²Fe, ^{54,56,58}Ni transitions deduced B(E2). ⁹Be(³²S, ³¹SX), (³³Cl, ³²ClX), (³⁴Ar, ³³ArX), E not given; measured one-neutron removal σ . JOUR APOBB 36 1227
- ⁵²Ni 2005BL15 RADIOACTIVITY ⁵⁴Zn(2p) [from Ni(⁵⁸Ni, X)]; measured Ep, T_{1/2}, two-proton decay branching ratio. Comparison with model predictions. JOUR PRLTA 94 232501
- 2005BLZZ RADIOACTIVITY ⁵⁴Zn(2p) [from Ni(⁵⁸Ni, X)]; measured Ep, T_{1/2}, two-proton decay branching ratio. Comparison with model predictions. PREPRINT nucl-ex/0505016,5/13/2005

A=53

No references found

A=54

- ⁵⁴Ti 2005DI05 NUCLEAR REACTIONS ¹⁹⁷Au(⁷⁶Ge, ⁷⁶Ge'), (⁵²Ti, ⁵²Ti'), (⁵⁴Ti, ⁵⁴Ti'), (⁵⁶Ti, ⁵⁶Ti'), E ≈ 80-90 MeV; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{52,54,56}Ti deduced transitions B(E2), subshell closures. Comparison with large-scale shell model calculations. JOUR PRVCA 71 041302
- 2005DIZZ NUCLEAR REACTIONS ²³⁸U(⁴⁸Ca, X)⁵⁶Ti, E=330 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ⁵⁶Ti deduced levels, J, π . ¹⁹⁷Au(⁷⁶Ge, ⁷⁶Ge'), (⁵²Ti, ⁵²Ti'), (⁵⁴Ti, ⁵⁴Ti'), (⁵⁶Ti, ⁵⁶Ti'), E ≈ 80-90 MeV; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{52,54,56}Ti, ⁷⁶Ge, ¹⁹⁷Au deduced transitions B(E2). CONF Argonne(Nuclei at the Limits),P131,Dinca
- ⁵⁴Cr 2005BE33 NUCLEAR REACTIONS ¹⁹⁷Au(⁵⁴Cr, ⁵⁴Cr'), E=136 MeV / nucleon; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ⁵⁴Cr deduced transitions. JOUR APOBB 36 1235
- 2005BU14 NUCLEAR REACTIONS ¹⁹⁷Au(⁵⁴Cr, ⁵⁴Cr'), (⁵⁶Cr, ⁵⁶Cr'), (⁵⁸Cr, ⁵⁸Cr'), E ≈ 135 MeV / nucleon; measured measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{54,56,58}Cr deduced transitions. JOUR APOBB 36 1249

A=54 (continued)

- 2005SAZY NUCLEAR REACTIONS $^{197}\text{Au}(^{54}\text{Cr}, ^{54}\text{Cr}')$, $(^{56}\text{Cr}, ^{56}\text{Cr}')$, $(^{58}\text{Cr}, ^{58}\text{Cr}')$, E=100 MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. $^{54,56,58}\text{Cr}$ deduced transitions. Be(^{55}Ni , X) ^{50}Cr , E=171 MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -coin. ^{50}Cr deduced transitions. Be(^{55}Ni , X), $^{197}\text{Au}(^{108}\text{Sn}$, X), E not given; measured fragment yields. CONF Argonne(Nuclei at the Limits),P151,Saito
- ^{54}Mn 2005SI14 NUCLEAR REACTIONS C, O, Si, Mg, Al(n, X) ^7Be , E \approx 0.1-750 MeV; O, Si, Mg, Al(n, X) ^{22}Na / ^{23}Na , E \approx 0.1-750 MeV; ^{197}Au (n, X) ^{194}Au / ^{196}Au / ^{198}Au , E \approx 0.1-750 MeV; Ti, Fe, Ni, Cu(n, X) ^{46}Sc / ^{48}Sc , E \approx 0.1-750 MeV; Fe, Ni, Cu(n, X) ^{48}V / ^{51}Cr / ^{52}Mn / ^{54}Mn , E \approx 0.1-750 MeV; Ni, Cu(n, X) ^{56}Ni / ^{57}Ni / ^{56}Co / ^{57}Co / ^{58}Co / ^{60}Co / ^{59}Fe , E \approx 0.1-750 MeV; measured energy-integrated production σ . JOUR NIMBE 234 419
- ^{54}Fe 2005HA25 NUCLEAR REACTIONS $^9\text{Be}(^{55}\text{Ni}, \text{X})^{54}\text{Ni}$, E not given; $^9\text{Be}(^{55}\text{Co}, \text{X})^{54}\text{Fe}$, E not given; measured $E\gamma$, $I\gamma$, (particle) γ -coin. Two-step fragmentation of ^{58}Ni primary beam. JOUR APOBB 36 1253
- ^{54}Ni 2005GA15 NUCLEAR REACTIONS $^{197}\text{Au}(^{52}\text{Fe}, ^{52}\text{Fe}')$, $(^{54}\text{Ni}, ^{54}\text{Ni}')$, $(^{56}\text{Ni}, ^{56}\text{Ni}')$, $(^{58}\text{Ni}, ^{58}\text{Ni}')$, E not given; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. ^{52}Fe , $^{54,56,58}\text{Ni}$ transitions deduced B(E2). $^9\text{Be}(^{32}\text{S}, ^{31}\text{SX})$, $(^{33}\text{Cl}, ^{32}\text{ClX})$, $(^{34}\text{Ar}, ^{33}\text{ArX})$, E not given; measured one-neutron removal σ . JOUR APOBB 36 1227
- 2005HA25 NUCLEAR REACTIONS $^9\text{Be}(^{55}\text{Ni}, \text{X})^{54}\text{Ni}$, E not given; $^9\text{Be}(^{55}\text{Co}, \text{X})^{54}\text{Fe}$, E not given; measured $E\gamma$, $I\gamma$, (particle) γ -coin. Two-step fragmentation of ^{58}Ni primary beam. JOUR APOBB 36 1253
- ^{54}Zn 2005BL15 NUCLEAR REACTIONS Ni(^{58}Ni , X), E=74.5 MeV / nucleon; measured fragment yields; deduced evidence for ^{54}Zn . JOUR PRLTA 94 232501
- 2005BL15 RADIOACTIVITY $^{54}\text{Zn}(2p)$ [from Ni(^{58}Ni , X)]; measured E_p , $T_{1/2}$, two-proton decay branching ratio. Comparison with model predictions. JOUR PRLTA 94 232501
- 2005BLZZ NUCLEAR REACTIONS Ni(^{58}Ni , X), E=74.5 MeV / nucleon; measured fragment yields; deduced evidence for ^{54}Zn . PREPRINT nucl-ex/0505016,5/13/2005
- 2005BLZZ RADIOACTIVITY $^{54}\text{Zn}(2p)$ [from Ni(^{58}Ni , X)]; measured E_p , $T_{1/2}$, two-proton decay branching ratio. Comparison with model predictions. PREPRINT nucl-ex/0505016,5/13/2005

A=55

No references found

A=56

- ⁵⁶Ti 2005DI05 NUCLEAR REACTIONS ¹⁹⁷Au(⁷⁶Ge, ⁷⁶Ge'), (⁵²Ti, ⁵²Ti'), (⁵⁴Ti, ⁵⁴Ti'), (⁵⁶Ti, ⁵⁶Ti'), E ≈ 80-90 MeV; measured Eγ, Iγ, (particle)γ-coin following projectile Coulomb excitation. ^{52,54,56}Ti deduced transitions B(E2), subshell closures. Comparison with large-scale shell model calculations. JOUR PRVCA 71 041302
- 2005DIZZ NUCLEAR REACTIONS ²³⁸U(⁴⁸Ca, X)⁵⁶Ti, E=330 MeV; measured Eγ, Iγ, γγ-coin. ⁵⁶Ti deduced levels, J, π. ¹⁹⁷Au(⁷⁶Ge, ⁷⁶Ge'), (⁵²Ti, ⁵²Ti'), (⁵⁴Ti, ⁵⁴Ti'), (⁵⁶Ti, ⁵⁶Ti'), E ≈ 80-90 MeV; measured Eγ, Iγ, (particle)γ-coin following projectile Coulomb excitation. ^{52,54,56}Ti, ⁷⁶Ge, ¹⁹⁷Au deduced transitions B(E2). CONF Argonne(Nuclei at the Limits),P131,Dinca
- ⁵⁶Cr 2005BU14 NUCLEAR REACTIONS ¹⁹⁷Au(⁵⁴Cr, ⁵⁴Cr'), (⁵⁶Cr, ⁵⁶Cr'), (⁵⁸Cr, ⁵⁸Cr'), E ≈ 135 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coin following projectile Coulomb excitation. ^{54,56,58}Cr deduced transitions. JOUR APOBB 36 1249
- 2005SAZY NUCLEAR REACTIONS ¹⁹⁷Au(⁵⁴Cr, ⁵⁴Cr'), (⁵⁶Cr, ⁵⁶Cr'), (⁵⁸Cr, ⁵⁸Cr'), E=100 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coin following projectile Coulomb excitation. ^{54,56,58}Cr deduced transitions. Be(⁵⁵Ni, X)⁵⁰Cr, E=171 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coin. ⁵⁰Cr deduced transitions. Be(⁵⁵Ni, X), ¹⁹⁷Au(¹⁰⁸Sn, X), E not given; measured fragment yields. CONF Argonne(Nuclei at the Limits),P151,Saito
- ⁵⁶Co 2005SI14 NUCLEAR REACTIONS C, O, Si, Mg, Al(n, X)⁷Be, E ≈ 0.1-750 MeV; O, Si, Mg, Al(n, X)²²Na / ²³Na, E ≈ 0.1-750 MeV; ¹⁹⁷Au(n, X)¹⁹⁴Au / ¹⁹⁶Au / ¹⁹⁸Au, E ≈ 0.1-750 MeV; Ti, Fe, Ni, Cu(n, X)⁴⁶Sc / ⁴⁸Sc, E ≈ 0.1-750 MeV; Fe, Ni, Cu(n, X)⁴⁸V / ⁵¹Cr / ⁵²Mn / ⁵⁴Mn, E ≈ 0.1-750 MeV; Ni, Cu(n, X)⁵⁶Ni / ⁵⁷Ni / ⁵⁶Co / ⁵⁷Co / ⁵⁸Co / ⁶⁰Co / ⁵⁹Fe, E ≈ 0.1-750 MeV; measured energy-integrated production σ. JOUR NIMBE 234 419
- ⁵⁶Ni 2005GA15 NUCLEAR REACTIONS ¹⁹⁷Au(⁵²Fe, ⁵²Fe'), (⁵⁴Ni, ⁵⁴Ni'), (⁵⁶Ni, ⁵⁶Ni'), (⁵⁸Ni, ⁵⁸Ni'), E not given; measured Eγ, Iγ, (particle)γ-coin following projectile Coulomb excitation. ⁵²Fe, ^{54,56,58}Ni transitions deduced B(E2). ⁹Be(³²S, ³¹SX), (³³Cl, ³²ClX), (³⁴Ar, ³³ArX), E not given; measured one-neutron removal σ. JOUR APOBB 36 1227
- 2005SI14 NUCLEAR REACTIONS C, O, Si, Mg, Al(n, X)⁷Be, E ≈ 0.1-750 MeV; O, Si, Mg, Al(n, X)²²Na / ²³Na, E ≈ 0.1-750 MeV; ¹⁹⁷Au(n, X)¹⁹⁴Au / ¹⁹⁶Au / ¹⁹⁸Au, E ≈ 0.1-750 MeV; Ti, Fe, Ni, Cu(n, X)⁴⁶Sc / ⁴⁸Sc, E ≈ 0.1-750 MeV; Fe, Ni, Cu(n, X)⁴⁸V / ⁵¹Cr / ⁵²Mn / ⁵⁴Mn, E ≈ 0.1-750 MeV; Ni, Cu(n, X)⁵⁶Ni / ⁵⁷Ni / ⁵⁶Co / ⁵⁷Co / ⁵⁸Co / ⁶⁰Co / ⁵⁹Fe, E ≈ 0.1-750 MeV; measured energy-integrated production σ. JOUR NIMBE 234 419

A=57

- ⁵⁷Co 2005SI14 NUCLEAR REACTIONS C, O, Si, Mg, Al(n, X)⁷Be, E ≈ 0.1-750 MeV; O, Si, Mg, Al(n, X)²²Na / ²³Na, E ≈ 0.1-750 MeV; ¹⁹⁷Au(n, X)¹⁹⁴Au / ¹⁹⁶Au / ¹⁹⁸Au, E ≈ 0.1-750 MeV; Ti, Fe, Ni, Cu(n, X)⁴⁶Sc / ⁴⁸Sc, E ≈ 0.1-750 MeV; Fe, Ni, Cu(n, X)⁴⁸V / ⁵¹Cr / ⁵²Mn / ⁵⁴Mn, E ≈ 0.1-750 MeV; Ni, Cu(n, X)⁵⁶Ni / ⁵⁷Ni / ⁵⁶Co / ⁵⁷Co / ⁵⁸Co / ⁶⁰Co / ⁵⁹Fe, E ≈ 0.1-750 MeV; measured energy-integrated production σ . JOUR NIMBE 234 419
- ⁵⁷Ni 2005SI14 NUCLEAR REACTIONS C, O, Si, Mg, Al(n, X)⁷Be, E ≈ 0.1-750 MeV; O, Si, Mg, Al(n, X)²²Na / ²³Na, E ≈ 0.1-750 MeV; ¹⁹⁷Au(n, X)¹⁹⁴Au / ¹⁹⁶Au / ¹⁹⁸Au, E ≈ 0.1-750 MeV; Ti, Fe, Ni, Cu(n, X)⁴⁶Sc / ⁴⁸Sc, E ≈ 0.1-750 MeV; Fe, Ni, Cu(n, X)⁴⁸V / ⁵¹Cr / ⁵²Mn / ⁵⁴Mn, E ≈ 0.1-750 MeV; Ni, Cu(n, X)⁵⁶Ni / ⁵⁷Ni / ⁵⁶Co / ⁵⁷Co / ⁵⁸Co / ⁶⁰Co / ⁵⁹Fe, E ≈ 0.1-750 MeV; measured energy-integrated production σ . JOUR NIMBE 234 419

A=58

- ⁵⁸Cr 2005BU14 NUCLEAR REACTIONS ¹⁹⁷Au(⁵⁴Cr, ⁵⁴Cr'), (⁵⁶Cr, ⁵⁶Cr'), (⁵⁸Cr, ⁵⁸Cr'), E ≈ 135 MeV / nucleon; measured measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{54,56,58}Cr deduced transitions. JOUR APOBB 36 1249
- 2005SAZY NUCLEAR REACTIONS ¹⁹⁷Au(⁵⁴Cr, ⁵⁴Cr'), (⁵⁶Cr, ⁵⁶Cr'), (⁵⁸Cr, ⁵⁸Cr'), E=100 MeV / nucleon; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{54,56,58}Cr deduced transitions. Be(⁵⁵Ni, X)⁵⁰Cr, E=171 MeV / nucleon; measured E γ , I γ , (particle) γ -coin. ⁵⁰Cr deduced transitions. Be(⁵⁵Ni, X), ¹⁹⁷Au(¹⁰⁸Sn, X), E not given; measured fragment yields. CONF Argonne(Nuclei at the Limits),P151,Saito
- ⁵⁸Co 2005SI14 NUCLEAR REACTIONS C, O, Si, Mg, Al(n, X)⁷Be, E ≈ 0.1-750 MeV; O, Si, Mg, Al(n, X)²²Na / ²³Na, E ≈ 0.1-750 MeV; ¹⁹⁷Au(n, X)¹⁹⁴Au / ¹⁹⁶Au / ¹⁹⁸Au, E ≈ 0.1-750 MeV; Ti, Fe, Ni, Cu(n, X)⁴⁶Sc / ⁴⁸Sc, E ≈ 0.1-750 MeV; Fe, Ni, Cu(n, X)⁴⁸V / ⁵¹Cr / ⁵²Mn / ⁵⁴Mn, E ≈ 0.1-750 MeV; Ni, Cu(n, X)⁵⁶Ni / ⁵⁷Ni / ⁵⁶Co / ⁵⁷Co / ⁵⁸Co / ⁶⁰Co / ⁵⁹Fe, E ≈ 0.1-750 MeV; measured energy-integrated production σ . JOUR NIMBE 234 419
- ⁵⁸Ni 2005GA15 NUCLEAR REACTIONS ¹⁹⁷Au(⁵²Fe, ⁵²Fe'), (⁵⁴Ni, ⁵⁴Ni'), (⁵⁶Ni, ⁵⁶Ni'), (⁵⁸Ni, ⁵⁸Ni'), E not given; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ⁵²Fe, ^{54,56,58}Ni transitions deduced B(E2). ⁹Be(³²S, ³¹SX), (³³Cl, ³²ClX), (³⁴Ar, ³³ArX), E not given; measured one-neutron removal σ . JOUR APOBB 36 1227
- 2005H010 NUCLEAR REACTIONS ⁵⁸Ni(polarized p, p'), (polarized p, p), E=172 MeV; measured elastic and inelastic $\sigma(E, \theta)$, analyzing powers. Comparison with model predictions. JOUR PYLBB 612 165

A=59

- ⁵⁹Cr 2005FRZZ 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. CONF Argonne(Nuclei at the Limits),P142,Freeman
- ⁵⁹Fe 2005SI14 NUCLEAR REACTIONS C, O, Si, Mg, Al(n, X) ^7Be , $E \approx 0.1-750$ MeV; O, Si, Mg, Al(n, X) $^{22}\text{Na} / ^{23}\text{Na}$, $E \approx 0.1-750$ MeV; $^{197}\text{Au}(n, X)^{194}\text{Au} / ^{196}\text{Au} / ^{198}\text{Au}$, $E \approx 0.1-750$ MeV; Ti, Fe, Ni, Cu(n, X) $^{46}\text{Sc} / ^{48}\text{Sc}$, $E \approx 0.1-750$ MeV; Fe, Ni, Cu(n, X) $^{48}\text{V} / ^{51}\text{Cr} / ^{52}\text{Mn} / ^{54}\text{Mn}$, $E \approx 0.1-750$ MeV; Ni, Cu(n, X) $^{56}\text{Ni} / ^{57}\text{Ni} / ^{56}\text{Co} / ^{57}\text{Co} / ^{58}\text{Co} / ^{60}\text{Co} / ^{59}\text{Fe}$, $E \approx 0.1-750$ MeV; measured energy-integrated production σ . JOUR NIMBE 234 419

A=60

- ⁶⁰Cr 2005FRZZ 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. CONF Argonne(Nuclei at the Limits),P142,Freeman
- ⁶⁰Co 2005SI14 NUCLEAR REACTIONS C, O, Si, Mg, Al(n, X) ^7Be , $E \approx 0.1-750$ MeV; O, Si, Mg, Al(n, X) $^{22}\text{Na} / ^{23}\text{Na}$, $E \approx 0.1-750$ MeV; $^{197}\text{Au}(n, X)^{194}\text{Au} / ^{196}\text{Au} / ^{198}\text{Au}$, $E \approx 0.1-750$ MeV; Ti, Fe, Ni, Cu(n, X) $^{46}\text{Sc} / ^{48}\text{Sc}$, $E \approx 0.1-750$ MeV; Fe, Ni, Cu(n, X) $^{48}\text{V} / ^{51}\text{Cr} / ^{52}\text{Mn} / ^{54}\text{Mn}$, $E \approx 0.1-750$ MeV; Ni, Cu(n, X) $^{56}\text{Ni} / ^{57}\text{Ni} / ^{56}\text{Co} / ^{57}\text{Co} / ^{58}\text{Co} / ^{60}\text{Co} / ^{59}\text{Fe}$, $E \approx 0.1-750$ MeV; measured energy-integrated production σ . JOUR NIMBE 234 419

A=61

- ⁶¹Ni 2005R011 NUCLEAR REACTIONS $^{61}\text{Ni}(\gamma, \gamma')$, $E \approx 67.41$ keV; measured $E\gamma$, $I\gamma(t)$. ^{61}Ni level deduced $T_{1/2}$. Synchrotron radiation, nuclear lighthouse effect. JOUR PRBMD 71 140401
- ⁶¹Ga 2005RU06 NUCLEAR REACTIONS $^{24}\text{Mg}(^{40}\text{Ca}, 2\text{np})$, ($^{40}\text{Ca}, 2\text{n}$), $E=104$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma^-$, (recoil) γ -coin. ^{61}Ga , ^{62}Ge deduced levels, transitions. JOUR NUPAB 752 241c

A=62

- ⁶²Ge 2005RU06 NUCLEAR REACTIONS $^{24}\text{Mg}(^{40}\text{Ca}, 2\text{np})$, ($^{40}\text{Ca}, 2\text{n}$), $E=104$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma^-$, (recoil) γ -coin. ^{61}Ga , ^{62}Ge deduced levels, transitions. JOUR NUPAB 752 241c

A=63

No references found

A=64

- ⁶⁴Zn 2005G009 NUCLEAR REACTIONS ⁶⁴Zn(⁶Li, X), (⁷Li, X), (⁹Be, X), (¹⁶O, X), E ≈ 16-69 MeV; measured fusion and reaction σ; deduced reaction mechanism features. ⁶⁴Zn(⁹Be, ⁹Be), E=17-28 MeV; ⁶⁴Zn(¹⁶O, ¹⁶O), E=40-64 MeV; measured elastic σ(θ). Coupled channels analysis. JOUR PRVCA 71 034608
- 2005LE12 NUCLEAR REACTIONS C(⁶⁴Zn, ⁶⁴Zn'), (⁶⁸Zn, ⁶⁸Zn'), E=180 MeV; measured Eγ, Iγ(θ, H, t), γγ-, (particle)γ-coin, DSA following projectile Coulomb excitation. ^{64,68}Zn levels deduced g factors, T_{1/2}, B(E2). Transient-field technique, large-scale shell model calculations. JOUR PRVCA 71 034303

A=65

- ⁶⁵Cu 2005BEZX RADIOACTIVITY ⁶⁵Zn(β⁺), (EC); measured Eγ, Iγ, βγ-coin; deduced γ-emission intensities. ⁶⁵Cu levels deduced β-feeding intensities. EUROMET project 721. REPT CEA-R-6081,Be
- 2005IW01 RADIOACTIVITY ⁶⁵Zn(β⁺), (EC); measured Eγ, Iγ, (X-ray)γ-coin; deduced γ-ray emission probability. ²⁴¹Am(α); measured Eγ, Iγ, αγ-coin; deduced γ-ray emission probabilities. ⁶⁵Cu, ²³⁷Np deduced transitions. JOUR ARISE 63 107
- ⁶⁵Zn 2005BEZX RADIOACTIVITY ⁶⁵Zn(β⁺), (EC); measured Eγ, Iγ, βγ-coin; deduced γ-emission intensities. ⁶⁵Cu levels deduced β-feeding intensities. EUROMET project 721. REPT CEA-R-6081,Be
- 2005IW01 RADIOACTIVITY ⁶⁵Zn(β⁺), (EC); measured Eγ, Iγ, (X-ray)γ-coin; deduced γ-ray emission probability. ²⁴¹Am(α); measured Eγ, Iγ, αγ-coin; deduced γ-ray emission probabilities. ⁶⁵Cu, ²³⁷Np deduced transitions. JOUR ARISE 63 107

A=66

- ⁶⁶Ga 2005SZ02 NUCLEAR REACTIONS ⁶⁶Zn(p, n), ⁶⁸Zn(p, 2n), (p, 3n), E ≈ 5-100 MeV; Zn(p, X)⁶⁶Ga / ⁶⁷Ga, E ≈ 5-100 MeV; measured production σ. Stacked-foil activation, comparison with previous results. JOUR NIMBE 234 375

A=67

- ⁶⁷Ga 2005BA30 NUCLEAR REACTIONS ⁶³Cu(α, γ), E=5.9-8.7 MeV; measured σ. Stacked-foil activation technique, comparison with model predictions. Astrophysical implications discussed. JOUR PRVCA 71 035801
- 2005SZ02 NUCLEAR REACTIONS ⁶⁶Zn(p, n), ⁶⁸Zn(p, 2n), (p, 3n), E ≈ 5-100 MeV; Zn(p, X)⁶⁶Ga / ⁶⁷Ga, E ≈ 5-100 MeV; measured production σ. Stacked-foil activation, comparison with previous results. JOUR NIMBE 234 375

A=68

- ⁶⁸Zn 2005LE12 NUCLEAR REACTIONS C(⁶⁴Zn, ⁶⁴Zn'), (⁶⁸Zn, ⁶⁸Zn'), E=180 MeV; measured E γ , I γ (θ , H, t), $\gamma\gamma$ -, (particle) γ -coin, DSA following projectile Coulomb excitation. ^{64,68}Zn levels deduced g factors, T_{1/2}, B(E2). Transient-field technique, large-scale shell model calculations. JOUR PRVCA 71 034303
- 2005LEZX NUCLEAR REACTIONS C(⁶⁸Zn, ⁶⁸Zn'), E=180 MeV; measured E γ , I γ (θ , H, t), (particle) γ -coin, DSA following projectile Coulomb excitation. ⁶⁸Zn levels deduced T_{1/2}, g factors. Transient field technique, comparison with shell model predictions. PREPRINT nucl-ex/0506006,6/05/2005
- ⁶⁸Ge 2005LE19 NUCLEAR REACTIONS ¹²C(⁶⁴Zn, 2 α), E=180 MeV; measured E γ , I γ (θ , H, t), $\alpha\alpha$ -, $\alpha\gamma$ -coin. ⁶⁸Ge deduced level energies, B(E2), g factor. Transient field technique. JOUR PRVCA 71 044316

A=69

No references found

A=70

- ⁷⁰Ni 2005MAZX RADIOACTIVITY ^{71,72,73,74}Co(β^-), (β^- n) [from ⁹Be(⁸⁶Kr, X)]; measured β -delayed E γ , I γ ; deduced branching ratios. ^{70,71}Ni deduced transitions. ⁷⁶Ni(IT) [from ⁹Be(⁸⁶Kr, X)]; measured E γ , I γ , T_{1/2}. ⁷⁶Ni deduced levels. CONF Argonne(Nuclei at the Limits),P164,Mazzocchi

A=71

- ⁷¹Co 2005MAZX RADIOACTIVITY ^{71,72,73,74}Co(β^-), (β^- n) [from ⁹Be(⁸⁶Kr, X)]; measured β -delayed E γ , I γ ; deduced branching ratios. ^{70,71}Ni deduced transitions. ⁷⁶Ni(IT) [from ⁹Be(⁸⁶Kr, X)]; measured E γ , I γ , T_{1/2}. ⁷⁶Ni deduced levels. CONF Argonne(Nuclei at the Limits),P164,Mazzocchi
- ⁷¹Ni 2005MAZX RADIOACTIVITY ^{71,72,73,74}Co(β^-), (β^- n) [from ⁹Be(⁸⁶Kr, X)]; measured β -delayed E γ , I γ ; deduced branching ratios. ^{70,71}Ni deduced transitions. ⁷⁶Ni(IT) [from ⁹Be(⁸⁶Kr, X)]; measured E γ , I γ , T_{1/2}. ⁷⁶Ni deduced levels. CONF Argonne(Nuclei at the Limits),P164,Mazzocchi

A=72

- ⁷²Co 2005MAZX RADIOACTIVITY ^{71,72,73,74}Co(β^-), (β^- n) [from ⁹Be(⁸⁶Kr, X)]; measured β -delayed E γ , I γ ; deduced branching ratios. ^{70,71}Ni deduced transitions. ⁷⁶Ni(IT) [from ⁹Be(⁸⁶Kr, X)]; measured E γ , I γ , T_{1/2}. ⁷⁶Ni deduced levels. CONF Argonne(Nuclei at the Limits),P164,Mazzocchi

A=72 (continued)

⁷² Ni	2005MAZX	RADIOACTIVITY ^{71,72,73,74} Co(β^-), (β^- n) [from ⁹ Be(⁸⁶ Kr, X)]; measured β -delayed E γ , I γ ; deduced branching ratios. ^{70,71} Ni deduced transitions. ⁷⁶ Ni(IT) [from ⁹ Be(⁸⁶ Kr, X)]; measured E γ , I γ , T _{1/2} . ⁷⁶ Ni deduced levels. CONF Argonne(Nuclei at the Limits),P164,Mazzocchi
⁷² Zn	2005DE12	NUCLEAR REACTIONS ²³⁸ U(⁸² Se, X), E=505 MeV; measured fragments isotopic yields. ²³⁸ U(⁸² Se, X) ⁷² Zn / ⁸⁴ Se / ⁸⁵ Br, E=505 MeV; measured E γ , I γ , (particle) γ -coin. ⁷² Zn, ⁸⁴ Se, ⁸⁵ Br deduced levels, J, π . JOUR NUPAB 751 533c
⁷² Ge	2005G015	NUCLEAR REACTIONS ²⁰⁸ Pb(⁷⁴ Kr, ⁷⁴ Kr'), (⁷⁶ Kr, ⁷⁶ Kr'), E=4.5 MeV / nucleon; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{74,76} Kr deduced levels, J, π , quadrupole moments. ²⁰⁸ Pb(⁷² Ge, ⁷² Ge'), E not given; measured E γ , I γ , E(ce), I(ce), (particle) γ -coin following projectile Coulomb excitation. ⁷² Ge deduced transitions. Exogam array. JOUR APOBB 36 1281
⁷² Kr	2005CLZZ	NUCLEAR REACTIONS Be(⁷⁸ Kr, X) ⁷² Kr / ⁷⁴ Kr, E=73 MeV; measured delayed E γ , I γ , E(ce), I(ce), (recoil) γ^- , (recoil)(ce)-coin. ^{72,74} Kr deduced isomeric levels, J, π , T _{1/2} , E0 strength. ⁷² Kr deduced shape isomer. ²⁰⁸ Pb(⁷⁶ Kr, ⁷⁶ Kr'), (⁷⁴ Kr, ⁷⁴ Kr'), E \approx 4.5 MeV / nucleon; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{74,76} Kr deduced levels, J, π . CONF Argonne(Nuclei at the Limits),P55,Clement

A=73

⁷³ Co	2005MAZX	RADIOACTIVITY ^{71,72,73,74} Co(β^-), (β^- n) [from ⁹ Be(⁸⁶ Kr, X)]; measured β -delayed E γ , I γ ; deduced branching ratios. ^{70,71} Ni deduced transitions. ⁷⁶ Ni(IT) [from ⁹ Be(⁸⁶ Kr, X)]; measured E γ , I γ , T _{1/2} . ⁷⁶ Ni deduced levels. CONF Argonne(Nuclei at the Limits),P164,Mazzocchi
⁷³ Ni	2005MAZX	RADIOACTIVITY ^{71,72,73,74} Co(β^-), (β^- n) [from ⁹ Be(⁸⁶ Kr, X)]; measured β -delayed E γ , I γ ; deduced branching ratios. ^{70,71} Ni deduced transitions. ⁷⁶ Ni(IT) [from ⁹ Be(⁸⁶ Kr, X)]; measured E γ , I γ , T _{1/2} . ⁷⁶ Ni deduced levels. CONF Argonne(Nuclei at the Limits),P164,Mazzocchi

A=74

⁷⁴ Co	2005MAZX	NUCLEAR REACTIONS ⁹ Be(⁸⁶ Kr, X), E=140 MeV / nucleon; measured fragment yields; deduced evidence for ⁷⁴ Co, ⁷⁶ Ni. CONF Argonne(Nuclei at the Limits),P164,Mazzocchi
	2005MAZX	RADIOACTIVITY ^{71,72,73,74} Co(β^-), (β^- n) [from ⁹ Be(⁸⁶ Kr, X)]; measured β -delayed E γ , I γ ; deduced branching ratios. ^{70,71} Ni deduced transitions. ⁷⁶ Ni(IT) [from ⁹ Be(⁸⁶ Kr, X)]; measured E γ , I γ , T _{1/2} . ⁷⁶ Ni deduced levels. CONF Argonne(Nuclei at the Limits),P164,Mazzocchi
⁷⁴ Ni	2005MAZX	RADIOACTIVITY ^{71,72,73,74} Co(β^-), (β^- n) [from ⁹ Be(⁸⁶ Kr, X)]; measured β -delayed E γ , I γ ; deduced branching ratios. ^{70,71} Ni deduced transitions. ⁷⁶ Ni(IT) [from ⁹ Be(⁸⁶ Kr, X)]; measured E γ , I γ , T _{1/2} . ⁷⁶ Ni deduced levels. CONF Argonne(Nuclei at the Limits),P164,Mazzocchi

A=74 (continued)

- ⁷⁴Cu 2005VA19 RADIOACTIVITY ^{74,76,78}Cu(β^-); ⁷⁸Cu(β^- n) [from ²³⁸U(n, F), (p, F)]; measured E γ , I γ , $\beta\gamma$ -coin, T_{1/2}. ^{74,76,77,78}Zn deduced levels, J, π , configurations. Mass separator, comparisons with model predictions. JOUR PRVCA 71 054307
- ⁷⁴Zn 2005VA19 RADIOACTIVITY ^{74,76,78}Cu(β^-); ⁷⁸Cu(β^- n) [from ²³⁸U(n, F), (p, F)]; measured E γ , I γ , $\beta\gamma$ -coin, T_{1/2}. ^{74,76,77,78}Zn deduced levels, J, π , configurations. Mass separator, comparisons with model predictions. JOUR PRVCA 71 054307
- ⁷⁴Kr 2005CLZZ NUCLEAR REACTIONS Be(⁷⁸Kr, X)⁷²Kr / ⁷⁴Kr, E=73 MeV; measured delayed E γ , I γ , E(ce), I(ce), (recoil) γ^- , (recoil)(ce)-coin. ^{72,74}Kr deduced isomeric levels, J, π , T_{1/2}, E0 strength. ⁷²Kr deduced shape isomer. ²⁰⁸Pb(⁷⁶Kr, ⁷⁶Kr'), (⁷⁴Kr, ⁷⁴Kr'), E \approx 4.5 MeV / nucleon; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{74,76}Kr deduced levels, J, π . CONF Argonne(Nuclei at the Limits),P55,Clement
- 2005G015 NUCLEAR REACTIONS ²⁰⁸Pb(⁷⁴Kr, ⁷⁴Kr'), (⁷⁶Kr, ⁷⁶Kr'), E=4.5 MeV / nucleon; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{74,76}Kr deduced levels, J, π , quadrupole moments. ²⁰⁸Pb(⁷²Ge, ⁷²Ge'), E not given; measured E γ , I γ , E(ce), I(ce), (particle) γ -coin following projectile Coulomb excitation. ⁷²Ge deduced transitions. Exogam array. JOUR APOBB 36 1281
- 2005K011 NUCLEAR REACTIONS ²⁰⁸Pb(⁷⁴Kr, ⁷⁴Kr'), (⁷⁶Kr, ⁷⁶Kr'), E \approx 350 MeV; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{74,76}Kr deduced levels, J, π , quadrupole moments. Exogam array. JOUR NUPAB 752 255c

A=75

No references found

A=76

- ⁷⁶Ni 2005MAZX NUCLEAR REACTIONS ⁹Be(⁸⁶Kr, X), E=140 MeV / nucleon; measured fragment yields; deduced evidence for ⁷⁴Co, ⁷⁶Ni. CONF Argonne(Nuclei at the Limits),P164,Mazzocchi
- 2005MAZX RADIOACTIVITY ^{71,72,73,74}Co(β^-), (β^- n) [from ⁹Be(⁸⁶Kr, X)]; measured β -delayed E γ , I γ ; deduced branching ratios. ^{70,71}Ni deduced transitions. ⁷⁶Ni(IT) [from ⁹Be(⁸⁶Kr, X)]; measured E γ , I γ , T_{1/2}. ⁷⁶Ni deduced levels. CONF Argonne(Nuclei at the Limits),P164,Mazzocchi
- ⁷⁶Cu 2005VA19 RADIOACTIVITY ^{74,76,78}Cu(β^-); ⁷⁸Cu(β^- n) [from ²³⁸U(n, F), (p, F)]; measured E γ , I γ , $\beta\gamma$ -coin, T_{1/2}. ^{74,76,77,78}Zn deduced levels, J, π , configurations. Mass separator, comparisons with model predictions. JOUR PRVCA 71 054307
- ⁷⁶Zn 2005VA19 RADIOACTIVITY ^{74,76,78}Cu(β^-); ⁷⁸Cu(β^- n) [from ²³⁸U(n, F), (p, F)]; measured E γ , I γ , $\beta\gamma$ -coin, T_{1/2}. ^{74,76,77,78}Zn deduced levels, J, π , configurations. Mass separator, comparisons with model predictions. JOUR PRVCA 71 054307

A=76 (continued)

- ⁷⁶Ge 2005DIZZ NUCLEAR REACTIONS ²³⁸U(⁴⁸Ca, X)⁵⁶Ti, E=330 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ⁵⁶Ti deduced levels, J, π . ¹⁹⁷Au(⁷⁶Ge, ⁷⁶Ge'), (⁵²Ti, ⁵²Ti'), (⁵⁴Ti, ⁵⁴Ti'), (⁵⁶Ti, ⁵⁶Ti'), E \approx 80-90 MeV; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{52,54,56}Ti, ⁷⁶Ge, ¹⁹⁷Au deduced transitions B(E2). CONF Argonne(Nuclei at the Limits),P131,Dinca
- ⁷⁶Kr 2005CLZZ NUCLEAR REACTIONS Be(⁷⁸Kr, X)⁷²Kr / ⁷⁴Kr, E=73 MeV; measured delayed E γ , I γ , E(ce), I(ce), (recoil) γ -, (recoil)(ce)-coin. ^{72,74}Kr deduced isomeric levels, J, π , T_{1/2}, E0 strength. ⁷²Kr deduced shape isomer. ²⁰⁸Pb(⁷⁶Kr, ⁷⁶Kr'), (⁷⁴Kr, ⁷⁴Kr'), E \approx 4.5 MeV / nucleon; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{74,76}Kr deduced levels, J, π . CONF Argonne(Nuclei at the Limits),P55,Clement
- 2005G015 NUCLEAR REACTIONS ²⁰⁸Pb(⁷⁴Kr, ⁷⁴Kr'), (⁷⁶Kr, ⁷⁶Kr'), E=4.5 MeV / nucleon; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{74,76}Kr deduced levels, J, π , quadrupole moments. ²⁰⁸Pb(⁷²Ge, ⁷²Ge'), E not given; measured E γ , I γ , E(ce), I(ce), (particle) γ -coin following projectile Coulomb excitation. ⁷²Ge deduced transitions. Exogam array. JOUR APOBB 36 1281
- 2005K011 NUCLEAR REACTIONS ²⁰⁸Pb(⁷⁴Kr, ⁷⁴Kr'), (⁷⁶Kr, ⁷⁶Kr'), E \approx 350 MeV; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{74,76}Kr deduced levels, J, π , quadrupole moments. Exogam array. JOUR NUPAB 752 255c
- 2005VA09 NUCLEAR REACTIONS ⁴⁰Ca(⁴⁰Ca, 4p), E=165 MeV; measured E γ , I γ , $\gamma\gamma$ -, (charged particle) γ -coin, DSA. ⁷⁶Kr deduced high-spin levels, J, π , T_{1/2}, transition quadrupole moments, configurations. Gammasphere, Microball arrays, comparison with cranked mean-field model predictions. JOUR PRVCA 71 034311
- 2005VA18 NUCLEAR REACTIONS ⁴⁰Ca(⁴⁰Ca, 4p), E=165 MeV; measured E γ , I γ , $\gamma\gamma$ -, (charged particle) γ -coin, DSA. ⁷⁶Kr deduced high-spin levels, J, π , T_{1/2}, configurations. Gammasphere, Microball arrays. JOUR APOBB 36 1339
- ⁷⁶Rb 2005RU07 RADIOACTIVITY ⁷⁶Sr(EC), (β^+) [from Nb(p, X)]; measured E β , I β , E γ ; deduced Gamow-Teller strength distribution. ⁷⁶Sr deduced ground-state deformation. Total absorption technique. JOUR NUPAB 752 251c
- ⁷⁶Sr 2005RU07 RADIOACTIVITY ⁷⁶Sr(EC), (β^+) [from Nb(p, X)]; measured E β , I β , E γ ; deduced Gamow-Teller strength distribution. ⁷⁶Sr deduced ground-state deformation. Total absorption technique. JOUR NUPAB 752 251c

A=77

- ⁷⁷Zn 2005VA19 RADIOACTIVITY ^{74,76,78}Cu(β^-); ⁷⁸Cu(β^- n) [from ²³⁸U(n, F), (p, F)]; measured E γ , I γ , $\beta\gamma$ -coin, T_{1/2}. ^{74,76,77,78}Zn deduced levels, J, π , configurations. Mass separator, comparisons with model predictions. JOUR PRVCA 71 054307

A=77 (continued)

⁷⁷As 2005LU07 NUCLEAR REACTIONS ²³⁸U(⁸²Se, X), E=505 MeV; measured E γ , I γ , fragments isotopic yields. ^{77,78,79,80,81,82,83}As deduced transitions. ¹⁹²Os(⁸²Se, X), E=460 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ⁸⁰As, ⁸⁷Rb, ⁸⁴Se deduced levels. Fragment separator. JOUR APOBB 36 1301

A=78

⁷⁸Cu 2005VA19 RADIOACTIVITY ^{74,76,78}Cu(β^-); ⁷⁸Cu(β^- n) [from ²³⁸U(n, F), (p, F)]; measured E γ , I γ , $\beta\gamma$ -coin, T_{1/2}. ^{74,76,77,78}Zn deduced levels, J, π , configurations. Mass separator, comparisons with model predictions. JOUR PRVCA 71 054307

⁷⁸Zn 2005VA19 RADIOACTIVITY ^{74,76,78}Cu(β^-); ⁷⁸Cu(β^- n) [from ²³⁸U(n, F), (p, F)]; measured E γ , I γ , $\beta\gamma$ -coin, T_{1/2}. ^{74,76,77,78}Zn deduced levels, J, π , configurations. Mass separator, comparisons with model predictions. JOUR PRVCA 71 054307

⁷⁸Ge 2005PA23 NUCLEAR REACTIONS C(⁷⁸Ge, ⁷⁸Ge'), (⁸⁰Ge, ⁸⁰Ge'), E=2.24 MeV / nucleon; ⁴⁸Ti(⁸²Ge, ⁸²Ge'), E=220 MeV; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{78,80,82}Ge deduced excitation B(E2). Systematic trends in B(E2) values discussed. JOUR PRLTA 94 122501

⁷⁸As 2005LU07 NUCLEAR REACTIONS ²³⁸U(⁸²Se, X), E=505 MeV; measured E γ , I γ , fragments isotopic yields. ^{77,78,79,80,81,82,83}As deduced transitions. ¹⁹²Os(⁸²Se, X), E=460 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ⁸⁰As, ⁸⁷Rb, ⁸⁴Se deduced levels. Fragment separator. JOUR APOBB 36 1301

A=79

⁷⁹As 2005LU07 NUCLEAR REACTIONS ²³⁸U(⁸²Se, X), E=505 MeV; measured E γ , I γ , fragments isotopic yields. ^{77,78,79,80,81,82,83}As deduced transitions. ¹⁹²Os(⁸²Se, X), E=460 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ⁸⁰As, ⁸⁷Rb, ⁸⁴Se deduced levels. Fragment separator. JOUR APOBB 36 1301

A=80

⁸⁰Ge 2005PA23 NUCLEAR REACTIONS C(⁷⁸Ge, ⁷⁸Ge'), (⁸⁰Ge, ⁸⁰Ge'), E=2.24 MeV / nucleon; ⁴⁸Ti(⁸²Ge, ⁸²Ge'), E=220 MeV; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{78,80,82}Ge deduced excitation B(E2). Systematic trends in B(E2) values discussed. JOUR PRLTA 94 122501

⁸⁰As 2005LU07 NUCLEAR REACTIONS ²³⁸U(⁸²Se, X), E=505 MeV; measured E γ , I γ , fragments isotopic yields. ^{77,78,79,80,81,82,83}As deduced transitions. ¹⁹²Os(⁸²Se, X), E=460 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ⁸⁰As, ⁸⁷Rb, ⁸⁴Se deduced levels. Fragment separator. JOUR APOBB 36 1301

A=80 (continued)

⁸⁰Sr 2005XU04 RADIOACTIVITY ⁸¹Zr, ⁸⁵Mo, ⁸⁹Ru, ⁹²Rh, ⁹³Pd, ¹²¹Ce, ¹²⁵Nd, ¹²⁸Pm, ¹²⁹Sm, ^{135,137}Gd, ¹³⁹Dy, ¹⁴²Ho, ¹⁴⁹Yb(β^+ p); measured β -delayed E γ , I γ , proton spectra, p γ -coin, T_{1/2}. Comparison with model predictions. JOUR PRVCA 71 054318

A=81

⁸¹As 2005LU07 NUCLEAR REACTIONS ²³⁸U(⁸²Se, X), E=505 MeV; measured E γ , I γ , fragments isotopic yields. ^{77,78,79,80,81,82,83}As deduced transitions. ¹⁹²Os(⁸²Se, X), E=460 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ⁸⁰As, ⁸⁷Rb, ⁸⁴Se deduced levels. Fragment separator. JOUR APOBB 36 1301

⁸¹Zr 2005XU04 RADIOACTIVITY ⁸¹Zr, ⁸⁵Mo, ⁸⁹Ru, ⁹²Rh, ⁹³Pd, ¹²¹Ce, ¹²⁵Nd, ¹²⁸Pm, ¹²⁹Sm, ^{135,137}Gd, ¹³⁹Dy, ¹⁴²Ho, ¹⁴⁹Yb(β^+ p); measured β -delayed E γ , I γ , proton spectra, p γ -coin, T_{1/2}. Comparison with model predictions. JOUR PRVCA 71 054318

A=82

⁸²Ge 2005PA23 NUCLEAR REACTIONS C(⁷⁸Ge, ⁷⁸Ge'), (⁸⁰Ge, ⁸⁰Ge'), E=2.24 MeV / nucleon; ⁴⁸Ti(⁸²Ge, ⁸²Ge'), E=220 MeV; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{78,80,82}Ge deduced excitation B(E2). Systematic trends in B(E2) values discussed. JOUR PRLTA 94 122501

⁸²As 2005LU07 NUCLEAR REACTIONS ²³⁸U(⁸²Se, X), E=505 MeV; measured E γ , I γ , fragments isotopic yields. ^{77,78,79,80,81,82,83}As deduced transitions. ¹⁹²Os(⁸²Se, X), E=460 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ⁸⁰As, ⁸⁷Rb, ⁸⁴Se deduced levels. Fragment separator. JOUR APOBB 36 1301

⁸²Se 2005BA33 RADIOACTIVITY ⁸²Se, ¹⁰⁰Mo, ¹¹⁶Cd, ¹⁵⁰Nd($2\beta^-$); measured $2\nu\beta\beta$ -decay T_{1/2}, $0\nu\beta\beta$ -decay T_{1/2} lower limits. JOUR YAFIA 68 443

2005SI06 RADIOACTIVITY ⁸²Se, ⁹⁶Zr, ¹⁰⁰Mo, ¹¹⁶Cd, ¹⁵⁰Nd($2\beta^-$); measured $2\nu\beta\beta$ -decay T_{1/2}. ⁸²Se, ¹⁰⁰Mo($2\beta^-$); measured $0\nu\beta\beta$ -decay T_{1/2} lower limits; deduced neutrino mass limits. JOUR NPBSE 145 272

⁸²Kr 2005BA33 RADIOACTIVITY ⁸²Se, ¹⁰⁰Mo, ¹¹⁶Cd, ¹⁵⁰Nd($2\beta^-$); measured $2\nu\beta\beta$ -decay T_{1/2}, $0\nu\beta\beta$ -decay T_{1/2} lower limits. JOUR YAFIA 68 443

2005SI06 RADIOACTIVITY ⁸²Se, ⁹⁶Zr, ¹⁰⁰Mo, ¹¹⁶Cd, ¹⁵⁰Nd($2\beta^-$); measured $2\nu\beta\beta$ -decay T_{1/2}. ⁸²Se, ¹⁰⁰Mo($2\beta^-$); measured $0\nu\beta\beta$ -decay T_{1/2} lower limits; deduced neutrino mass limits. JOUR NPBSE 145 272

A=83

⁸³Ge 2005J0ZZ NUCLEAR REACTIONS ²H(⁸²Ge, p), (⁸⁴Se, p), E=4 MeV / nucleon; measured $\sigma(E, \theta)$. ⁸³Ge, ⁸⁵Se deduced ground and excited states energies, L. ²H(¹²⁴Sn, p), E=562 MeV; measured $\sigma(E, \theta)$. ¹²⁵Sn levels deduced spectroscopic factors. CONF Argonne(Nuclei at the Limits),P176,Jones

A=83 (continued)

- ⁸³As 2005LU07 NUCLEAR REACTIONS ²³⁸U(⁸²Se, X), E=505 MeV; measured E γ , I γ , fragments isotopic yields. ^{77,78,79,80,81,82,83}As deduced transitions. ¹⁹²Os(⁸²Se, X), E=460 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ⁸⁰As, ⁸⁷Rb, ⁸⁴Se deduced levels. Fragment separator. JOUR APOBB 36 1301

A=84

- ⁸⁴Se 2005DE12 NUCLEAR REACTIONS ²³⁸U(⁸²Se, X), E=505 MeV; measured fragments isotopic yields. ²³⁸U(⁸²Se, X)⁷²Zn / ⁸⁴Se / ⁸⁵Br, E=505 MeV; measured E γ , I γ , (particle) γ -coin. ⁷²Zn, ⁸⁴Se, ⁸⁵Br deduced levels, J, π . JOUR NUPAB 751 533c
- 2005LU07 NUCLEAR REACTIONS ²³⁸U(⁸²Se, X), E=505 MeV; measured E γ , I γ , fragments isotopic yields. ^{77,78,79,80,81,82,83}As deduced transitions. ¹⁹²Os(⁸²Se, X), E=460 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ⁸⁰As, ⁸⁷Rb, ⁸⁴Se deduced levels. Fragment separator. JOUR APOBB 36 1301
- ⁸⁴Rb 2005PA33 NUCLEAR REACTIONS ^{85,87}Rb(γ , n), E=13-30 MeV
bremsstrahlung; measured isomeric yield ratios. Activation technique. JOUR AENGA 98 238
- ⁸⁴Zr 2005CHZZ NUCLEAR REACTIONS ⁵⁸Ni(³²S, 2p α), E=140 MeV; measured E γ , I γ , $\gamma\gamma$ -, (charged particle) γ -coin. ⁸⁴Zr deduced high-spin levels, J, π , superdeformed band, linking transitions, band mixing features. Gammasphere, Microball arrays. CONF Argonne(Nuclei at the Limits),P40,Chiara
- 2005XU04 RADIOACTIVITY ⁸¹Zr, ⁸⁵Mo, ⁸⁹Ru, ⁹²Rh, ⁹³Pd, ¹²¹Ce, ¹²⁵Nd, ¹²⁸Pm, ¹²⁹Sm, ^{135,137}Gd, ¹³⁹Dy, ¹⁴²Ho, ¹⁴⁹Yb(β^+ p); measured β -delayed E γ , I γ , proton spectra, p γ -coin, T_{1/2}. Comparison with model predictions. JOUR PRVCA 71 054318

A=85

- ⁸⁵Se 2005J0ZZ NUCLEAR REACTIONS ²H(⁸²Ge, p), (⁸⁴Se, p), E=4 MeV / nucleon; measured $\sigma(E, \theta)$. ⁸³Ge, ⁸⁵Se deduced ground and excited states energies, L. ²H(¹²⁴Sn, p), E=562 MeV; measured $\sigma(E, \theta)$. ¹²⁵Sn levels deduced spectroscopic factors. CONF Argonne(Nuclei at the Limits),P176,Jones
- ⁸⁵Br 2005DE12 NUCLEAR REACTIONS ²³⁸U(⁸²Se, X), E=505 MeV; measured fragments isotopic yields. ²³⁸U(⁸²Se, X)⁷²Zn / ⁸⁴Se / ⁸⁵Br, E=505 MeV; measured E γ , I γ , (particle) γ -coin. ⁷²Zn, ⁸⁴Se, ⁸⁵Br deduced levels, J, π . JOUR NUPAB 751 533c
- ⁸⁵Mo 2005XU04 RADIOACTIVITY ⁸¹Zr, ⁸⁵Mo, ⁸⁹Ru, ⁹²Rh, ⁹³Pd, ¹²¹Ce, ¹²⁵Nd, ¹²⁸Pm, ¹²⁹Sm, ^{135,137}Gd, ¹³⁹Dy, ¹⁴²Ho, ¹⁴⁹Yb(β^+ p); measured β -delayed E γ , I γ , proton spectra, p γ -coin, T_{1/2}. Comparison with model predictions. JOUR PRVCA 71 054318

A=86

- ⁸⁶Rb 2005PA33 NUCLEAR REACTIONS ^{85,87}Rb(γ , n), E=13-30 MeV
bremsstrahlung; measured isomeric yield ratios. Activation technique.
JOUR AENGA 98 238

A=87

- ⁸⁷Rb 2005LU07 NUCLEAR REACTIONS ²³⁸U(⁸²Se, X), E=505 MeV; measured E γ ,
I γ , fragments isotopic yields. ^{77,78,79,80,81,82,83}As deduced transitions.
¹⁹²Os(⁸²Se, X), E=460 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ⁸⁰As, ⁸⁷Rb,
⁸⁴Se deduced levels. Fragment separator. JOUR APOBB 36 1301

A=88

- ⁸⁸Mo 2005XU04 RADIOACTIVITY ⁸¹Zr, ⁸⁵Mo, ⁸⁹Ru, ⁹²Rh, ⁹³Pd, ¹²¹Ce, ¹²⁵Nd,
¹²⁸Pm, ¹²⁹Sm, ^{135,137}Gd, ¹³⁹Dy, ¹⁴²Ho, ¹⁴⁹Yb(β^+ p); measured
 β -delayed E γ , I γ , proton spectra, p γ -coin, T_{1/2}. Comparison with
model predictions. JOUR PRVCA 71 054318

A=89

- ⁸⁹Zr 2005RE09 NUCLEAR REACTIONS ^{92,94}Mo(n, 2n), ^{92,100}Mo(n, α), ^{95,96,97}Mo(n,
p), ^{96,97,98}Mo(n, np+d), E \approx 13.5-21 MeV; measured activation σ ;
deduced reaction mechanism features. ⁹³Nb(p, n), (p, γ), E \approx 1-6
MeV; ^{92,93,94,95,96,97,98,100}Mo, ⁹³Nb(n, γ), E < 4 MeV; ^{92,94,100}Mo(n,
2n), ^{92,94,95,96,97,98}Mo(n, p), ^{92,94,95,96,97,98,100}Mo(n, np+d),
^{92,98,100}Mo(n, α), E < 21 MeV; compiled, analyzed σ . Analysis with
local and global approaches compared. JOUR PRVCA 71 044617
- ⁸⁹Ru 2005XU04 RADIOACTIVITY ⁸¹Zr, ⁸⁵Mo, ⁸⁹Ru, ⁹²Rh, ⁹³Pd, ¹²¹Ce, ¹²⁵Nd,
¹²⁸Pm, ¹²⁹Sm, ^{135,137}Gd, ¹³⁹Dy, ¹⁴²Ho, ¹⁴⁹Yb(β^+ p); measured
 β -delayed E γ , I γ , proton spectra, p γ -coin, T_{1/2}. Comparison with
model predictions. JOUR PRVCA 71 054318

A=90

- ⁹⁰Y 2005YA11 NUCLEAR REACTIONS ⁹⁰Zr(n, p), E=293 MeV; measured $\sigma(E, \theta)$;
⁹⁰Zr(p, n), E=295 MeV; analyzed $\sigma(E, \theta)$; deduced Gamow-Teller
strengths, quenching factor. JOUR PYLBB 615 193
- ⁹⁰Zr 2005HU10 NUCLEAR REACTIONS ⁹⁰Zr, ¹¹⁶Sn, ²⁰⁸Pb(α , α' n), E=200 MeV;
²⁰⁸Pb(α , α' p), E=200 MeV; measured E α , $\sigma(\theta)$, p α -, n α -coin. ⁹⁰Zr,
¹¹⁶Sn, ²⁰⁸Pb deduced isoscalar GDR parameters, particle decay
features. JOUR APOBB 36 1115
- ⁹⁰Nb 2005YA11 NUCLEAR REACTIONS ⁹⁰Zr(n, p), E=293 MeV; measured $\sigma(E, \theta)$;
⁹⁰Zr(p, n), E=295 MeV; analyzed $\sigma(E, \theta)$; deduced Gamow-Teller
strengths, quenching factor. JOUR PYLBB 615 193

A=91

- ⁹¹Y 2005BU08 NUCLEAR REACTIONS ⁸²Se(¹²C, 2np), E=38 MeV; ⁸²Se(¹⁶O, 2np), E=48 MeV; measured E γ , I γ , $\gamma\gamma$ -, (charged particle) γ -, (neutron) γ -coin. ¹²C, ¹⁶O(⁸²Se, X)⁹¹Y / ⁹⁵Nb, E=470 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ⁹¹Y, ⁹⁵Nb deduced high-spin levels, J, π , configurations. GASP array, comparison with shell model predictions, level systematics in neighboring isotones discussed. JOUR PRVCA 71 034315
- ⁹¹Mo 2005RE09 NUCLEAR REACTIONS ^{92,94}Mo(n, 2n), ^{92,100}Mo(n, α), ^{95,96,97}Mo(n, p), ^{96,97,98}Mo(n, np+d), E \approx 13.5-21 MeV; measured activation σ ; deduced reaction mechanism features. ⁹³Nb(p, n), (p, γ), E \approx 1-6 MeV; ^{92,93,94,95,96,97,98,100}Mo, ⁹³Nb(n, γ), E < 4 MeV; ^{92,94,100}Mo(n, 2n), ^{92,94,95,96,97,98}Mo(n, p), ^{92,94,95,96,97,98,100}Mo(n, np+d), ^{92,98,100}Mo(n, α), E < 21 MeV; compiled, analyzed σ . Analysis with local and global approaches compared. JOUR PRVCA 71 044617
- ⁹¹Tc 2005XU04 RADIOACTIVITY ⁸¹Zr, ⁸⁵Mo, ⁸⁹Ru, ⁹²Rh, ⁹³Pd, ¹²¹Ce, ¹²⁵Nd, ¹²⁸Pm, ¹²⁹Sm, ^{135,137}Gd, ¹³⁹Dy, ¹⁴²Ho, ¹⁴⁹Yb(β^+ p); measured β -delayed E γ , I γ , proton spectra, p γ -coin, T_{1/2}. Comparison with model predictions. JOUR PRVCA 71 054318

A=92

- ⁹²Zr 2005FR17 NUCLEAR REACTIONS ⁹²Zr(n, n' γ), E=2.2, 3.9 MeV; measured E γ , I γ , angular distributions, DSA. ⁹²Zr(n, n' γ), E=2.6-3.9 MeV; measured excitation functions. ⁹²Zr deduced levels, J, π , T_{1/2}, δ . Comparison with model predictions, neighboring nuclides. JOUR PRVCA 71 054304
- 2005LA13 NUCLEAR REACTIONS Zr, ⁹¹Zr(n, γ), E \approx 0.1-5000 eV; measured E γ , capture σ , baseline shift effect. JOUR NIMAE 543 502
- 2005OH04 NUCLEAR REACTIONS ^{91,92}Zr(n, γ), E=15-550 keV; measured E γ , γ -ray multiplicity, capture σ . JOUR JNSTA 42 333
- ⁹²Nb 2005RE09 NUCLEAR REACTIONS ^{92,94}Mo(n, 2n), ^{92,100}Mo(n, α), ^{95,96,97}Mo(n, p), ^{96,97,98}Mo(n, np+d), E \approx 13.5-21 MeV; measured activation σ ; deduced reaction mechanism features. ⁹³Nb(p, n), (p, γ), E \approx 1-6 MeV; ^{92,93,94,95,96,97,98,100}Mo, ⁹³Nb(n, γ), E < 4 MeV; ^{92,94,100}Mo(n, 2n), ^{92,94,95,96,97,98}Mo(n, p), ^{92,94,95,96,97,98,100}Mo(n, np+d), ^{92,98,100}Mo(n, α), E < 21 MeV; compiled, analyzed σ . Analysis with local and global approaches compared. JOUR PRVCA 71 044617
- ⁹²Mo 2005FU01 NUCLEAR REACTIONS ⁸²Se(¹⁶O, 5n), (¹⁶O, 6n), E=100 MeV; measured prompt and delayed E γ , I γ , $\gamma\gamma$ -coin, γ -ray linear polarization. ⁹³Mo deduced high-spin levels, J, π , configurations, isomeric states T_{1/2}. ⁹²Mo deduced levels, J, π . JOUR ZAANE 24 249
- ⁹²Ru 2005XU04 RADIOACTIVITY ⁸¹Zr, ⁸⁵Mo, ⁸⁹Ru, ⁹²Rh, ⁹³Pd, ¹²¹Ce, ¹²⁵Nd, ¹²⁸Pm, ¹²⁹Sm, ^{135,137}Gd, ¹³⁹Dy, ¹⁴²Ho, ¹⁴⁹Yb(β^+ p); measured β -delayed E γ , I γ , proton spectra, p γ -coin, T_{1/2}. Comparison with model predictions. JOUR PRVCA 71 054318
- ⁹²Rh 2005XU04 RADIOACTIVITY ⁸¹Zr, ⁸⁵Mo, ⁸⁹Ru, ⁹²Rh, ⁹³Pd, ¹²¹Ce, ¹²⁵Nd, ¹²⁸Pm, ¹²⁹Sm, ^{135,137}Gd, ¹³⁹Dy, ¹⁴²Ho, ¹⁴⁹Yb(β^+ p); measured β -delayed E γ , I γ , proton spectra, p γ -coin, T_{1/2}. Comparison with model predictions. JOUR PRVCA 71 054318

A=93

- ⁹³Zr 20050H04 NUCLEAR REACTIONS ^{91,92}Zr(n, γ), E=15-550 keV; measured E γ , γ -ray multiplicity, capture σ . JOUR JNSTA 42 333
- ⁹³Mo 2005FU01 NUCLEAR REACTIONS ⁸²Se(¹⁶O, 5n), (¹⁶O, 6n), E=100 MeV; measured prompt and delayed E γ , I γ , $\gamma\gamma$ -coin, γ -ray linear polarization. ⁹³Mo deduced high-spin levels, J, π , configurations, isomeric states T_{1/2}. ⁹²Mo deduced levels, J, π . JOUR ZAANE 24 249
- 2005GU16 NUCLEAR REACTIONS ^{94,96}Mo(³He, ³He'), (³He, α), E=30 MeV; ^{97,98}Mo(³He, ³He'), (³He, α), E=45 MeV; measured particle spectra, E γ , I γ , (particle) γ -coin. ^{93,94,95,96,97,98}Mo deduced radiative strength functions. JOUR PRVCA 71 044307
- 2005RE09 NUCLEAR REACTIONS ^{92,94}Mo(n, 2n), ^{92,100}Mo(n, α), ^{95,96,97}Mo(n, p), ^{96,97,98}Mo(n, np+d), E \approx 13.5-21 MeV; measured activation σ ; deduced reaction mechanism features. ⁹³Nb(p, n), (p, γ), E \approx 1-6 MeV; ^{92,93,94,95,96,97,98,100}Mo, ⁹³Nb(n, γ), E < 4 MeV; ^{92,94,100}Mo(n, 2n), ^{92,94,95,96,97,98}Mo(n, p), ^{92,94,95,96,97,98,100}Mo(n, np+d), ^{92,98,100}Mo(n, α), E < 21 MeV; compiled, analyzed σ . Analysis with local and global approaches compared. JOUR PRVCA 71 044617
- ⁹³Pd 2005XU04 RADIOACTIVITY ⁸¹Zr, ⁸⁵Mo, ⁸⁹Ru, ⁹²Rh, ⁹³Pd, ¹²¹Ce, ¹²⁵Nd, ¹²⁸Pm, ¹²⁹Sm, ^{135,137}Gd, ¹³⁹Dy, ¹⁴²Ho, ¹⁴⁹Yb(β^+ p); measured β -delayed E γ , I γ , proton spectra, p γ -coin, T_{1/2}. Comparison with model predictions. JOUR PRVCA 71 054318

A=94

- ⁹⁴Nb 2005RE09 NUCLEAR REACTIONS ^{92,94}Mo(n, 2n), ^{92,100}Mo(n, α), ^{95,96,97}Mo(n, p), ^{96,97,98}Mo(n, np+d), E \approx 13.5-21 MeV; measured activation σ ; deduced reaction mechanism features. ⁹³Nb(p, n), (p, γ), E \approx 1-6 MeV; ^{92,93,94,95,96,97,98,100}Mo, ⁹³Nb(n, γ), E < 4 MeV; ^{92,94,100}Mo(n, 2n), ^{92,94,95,96,97,98}Mo(n, p), ^{92,94,95,96,97,98,100}Mo(n, np+d), ^{92,98,100}Mo(n, α), E < 21 MeV; compiled, analyzed σ . Analysis with local and global approaches compared. JOUR PRVCA 71 044617
- ⁹⁴Mo 2005GU16 NUCLEAR REACTIONS ^{94,96}Mo(³He, ³He'), (³He, α), E=30 MeV; ^{97,98}Mo(³He, ³He'), (³He, α), E=45 MeV; measured particle spectra, E γ , I γ , (particle) γ -coin. ^{93,94,95,96,97,98}Mo deduced radiative strength functions. JOUR PRVCA 71 044307
- 2005RE09 NUCLEAR REACTIONS ^{92,94}Mo(n, 2n), ^{92,100}Mo(n, α), ^{95,96,97}Mo(n, p), ^{96,97,98}Mo(n, np+d), E \approx 13.5-21 MeV; measured activation σ ; deduced reaction mechanism features. ⁹³Nb(p, n), (p, γ), E \approx 1-6 MeV; ^{92,93,94,95,96,97,98,100}Mo, ⁹³Nb(n, γ), E < 4 MeV; ^{92,94,100}Mo(n, 2n), ^{92,94,95,96,97,98}Mo(n, p), ^{92,94,95,96,97,98,100}Mo(n, np+d), ^{92,98,100}Mo(n, α), E < 21 MeV; compiled, analyzed σ . Analysis with local and global approaches compared. JOUR PRVCA 71 044617

A=95

- ⁹⁵Zr 2005RE09 NUCLEAR REACTIONS ^{92,94}Mo(n, 2n), ^{92,100}Mo(n, α), ^{95,96,97}Mo(n, p), ^{96,97,98}Mo(n, np+d), E ≈ 13.5-21 MeV; measured activation σ; deduced reaction mechanism features. ⁹³Nb(p, n), (p, γ), E ≈ 1-6 MeV; ^{92,93,94,95,96,97,98,100}Mo, ⁹³Nb(n, γ), E < 4 MeV; ^{92,94,100}Mo(n, 2n), ^{92,94,95,96,97,98}Mo(n, p), ^{92,94,95,96,97,98,100}Mo(n, np+d), ^{92,98,100}Mo(n, α), E < 21 MeV; compiled, analyzed σ. Analysis with local and global approaches compared. JOUR PRVCA 71 044617
- ⁹⁵Nb 2005BU08 NUCLEAR REACTIONS ⁸²Se(¹²C, 2np), E=38 MeV; ⁸²Se(¹⁶O, 2np), E=48 MeV; measured Eγ, Iγ, γγ-, (charged particle)γ-, (neutron)γ-coin. ¹²C, ¹⁶O(⁸²Se, X)⁹¹Y / ⁹⁵Nb, E=470 MeV; measured Eγ, Iγ, γγ-coin. ⁹¹Y, ⁹⁵Nb deduced high-spin levels, J, π, configurations. GASP array, comparison with shell model predictions, level systematics in neighboring isotones discussed. JOUR PRVCA 71 034315
- 2005RE09 NUCLEAR REACTIONS ^{92,94}Mo(n, 2n), ^{92,100}Mo(n, α), ^{95,96,97}Mo(n, p), ^{96,97,98}Mo(n, np+d), E ≈ 13.5-21 MeV; measured activation σ; deduced reaction mechanism features. ⁹³Nb(p, n), (p, γ), E ≈ 1-6 MeV; ^{92,93,94,95,96,97,98,100}Mo, ⁹³Nb(n, γ), E < 4 MeV; ^{92,94,100}Mo(n, 2n), ^{92,94,95,96,97,98}Mo(n, p), ^{92,94,95,96,97,98,100}Mo(n, np+d), ^{92,98,100}Mo(n, α), E < 21 MeV; compiled, analyzed σ. Analysis with local and global approaches compared. JOUR PRVCA 71 044617
- ⁹⁵Mo 2005GU16 NUCLEAR REACTIONS ^{94,96}Mo(³He, ³He'), (³He, α), E=30 MeV; ^{97,98}Mo(³He, ³He'), (³He, α), E=45 MeV; measured particle spectra, Eγ, Iγ, (particle)γ-coin. ^{93,94,95,96,97,98}Mo deduced radiative strength functions. JOUR PRVCA 71 044307

A=96

- ⁹⁶Zr 2005SI06 RADIOACTIVITY ⁸²Se, ⁹⁶Zr, ¹⁰⁰Mo, ¹¹⁶Cd, ¹⁵⁰Nd(2β⁻); measured 2νββ-decay T_{1/2}. ⁸²Se, ¹⁰⁰Mo(2β⁻); measured 0νββ-decay T_{1/2} lower limits; deduced neutrino mass limits. JOUR NPBSE 145 272
- ⁹⁶Nb 2005RE09 NUCLEAR REACTIONS ^{92,94}Mo(n, 2n), ^{92,100}Mo(n, α), ^{95,96,97}Mo(n, p), ^{96,97,98}Mo(n, np+d), E ≈ 13.5-21 MeV; measured activation σ; deduced reaction mechanism features. ⁹³Nb(p, n), (p, γ), E ≈ 1-6 MeV; ^{92,93,94,95,96,97,98,100}Mo, ⁹³Nb(n, γ), E < 4 MeV; ^{92,94,100}Mo(n, 2n), ^{92,94,95,96,97,98}Mo(n, p), ^{92,94,95,96,97,98,100}Mo(n, np+d), ^{92,98,100}Mo(n, α), E < 21 MeV; compiled, analyzed σ. Analysis with local and global approaches compared. JOUR PRVCA 71 044617
- ⁹⁶Mo 2005GU16 NUCLEAR REACTIONS ^{94,96}Mo(³He, ³He'), (³He, α), E=30 MeV; ^{97,98}Mo(³He, ³He'), (³He, α), E=45 MeV; measured particle spectra, Eγ, Iγ, (particle)γ-coin. ^{93,94,95,96,97,98}Mo deduced radiative strength functions. JOUR PRVCA 71 044307
- 2005SI06 RADIOACTIVITY ⁸²Se, ⁹⁶Zr, ¹⁰⁰Mo, ¹¹⁶Cd, ¹⁵⁰Nd(2β⁻); measured 2νββ-decay T_{1/2}. ⁸²Se, ¹⁰⁰Mo(2β⁻); measured 0νββ-decay T_{1/2} lower limits; deduced neutrino mass limits. JOUR NPBSE 145 272

A=96 (continued)

2005ZI02 NUCLEAR REACTIONS $^{96}\text{Mo}(^{20}\text{Ne}, ^{20}\text{Ne}')$, (^{40}Ar , $^{40}\text{Ar}'$), $E=2.5$ MeV / nucleon; $\text{Pb}(^{96}\text{Mo}, ^{96}\text{Mo}')$, $E=424$ MeV; measured $E\gamma$, $I\gamma$, (particle) γ -coin following Coulomb excitation. ^{96}Mo deduced transitions. JOUR APOBB 36 1289

A=97

^{97}Zr 2005RE09 NUCLEAR REACTIONS $^{92,94}\text{Mo}(n, 2n)$, $^{92,100}\text{Mo}(n, \alpha)$, $^{95,96,97}\text{Mo}(n, p)$, $^{96,97,98}\text{Mo}(n, np+d)$, $E \approx 13.5-21$ MeV; measured activation σ ; deduced reaction mechanism features. $^{93}\text{Nb}(p, n)$, (p, γ), $E \approx 1-6$ MeV; $^{92,93,94,95,96,97,98,100}\text{Mo}$, $^{93}\text{Nb}(n, \gamma)$, $E < 4$ MeV; $^{92,94,100}\text{Mo}(n, 2n)$, $^{92,94,95,96,97,98}\text{Mo}(n, p)$, $^{92,94,95,96,97,98,100}\text{Mo}(n, np+d)$, $^{92,98,100}\text{Mo}(n, \alpha)$, $E < 21$ MeV; compiled, analyzed σ . Analysis with local and global approaches compared. JOUR PRVCA 71 044617

^{97}Nb 2005RE09 NUCLEAR REACTIONS $^{92,94}\text{Mo}(n, 2n)$, $^{92,100}\text{Mo}(n, \alpha)$, $^{95,96,97}\text{Mo}(n, p)$, $^{96,97,98}\text{Mo}(n, np+d)$, $E \approx 13.5-21$ MeV; measured activation σ ; deduced reaction mechanism features. $^{93}\text{Nb}(p, n)$, (p, γ), $E \approx 1-6$ MeV; $^{92,93,94,95,96,97,98,100}\text{Mo}$, $^{93}\text{Nb}(n, \gamma)$, $E < 4$ MeV; $^{92,94,100}\text{Mo}(n, 2n)$, $^{92,94,95,96,97,98}\text{Mo}(n, p)$, $^{92,94,95,96,97,98,100}\text{Mo}(n, np+d)$, $^{92,98,100}\text{Mo}(n, \alpha)$, $E < 21$ MeV; compiled, analyzed σ . Analysis with local and global approaches compared. JOUR PRVCA 71 044617

^{97}Mo 2005GU16 NUCLEAR REACTIONS $^{94,96}\text{Mo}(^3\text{He}, ^3\text{He}')$, ($^3\text{He}, \alpha$), $E=30$ MeV; $^{97,98}\text{Mo}(^3\text{He}, ^3\text{He}')$, ($^3\text{He}, \alpha$), $E=45$ MeV; measured particle spectra, $E\gamma$, $I\gamma$, (particle) γ -coin. $^{93,94,95,96,97,98}\text{Mo}$ deduced radiative strength functions. JOUR PRVCA 71 044307

A=98

^{98}Nb 2005RE09 NUCLEAR REACTIONS $^{92,94}\text{Mo}(n, 2n)$, $^{92,100}\text{Mo}(n, \alpha)$, $^{95,96,97}\text{Mo}(n, p)$, $^{96,97,98}\text{Mo}(n, np+d)$, $E \approx 13.5-21$ MeV; measured activation σ ; deduced reaction mechanism features. $^{93}\text{Nb}(p, n)$, (p, γ), $E \approx 1-6$ MeV; $^{92,93,94,95,96,97,98,100}\text{Mo}$, $^{93}\text{Nb}(n, \gamma)$, $E < 4$ MeV; $^{92,94,100}\text{Mo}(n, 2n)$, $^{92,94,95,96,97,98}\text{Mo}(n, p)$, $^{92,94,95,96,97,98,100}\text{Mo}(n, np+d)$, $^{92,98,100}\text{Mo}(n, \alpha)$, $E < 21$ MeV; compiled, analyzed σ . Analysis with local and global approaches compared. JOUR PRVCA 71 044617

^{98}Mo 2005GU16 NUCLEAR REACTIONS $^{94,96}\text{Mo}(^3\text{He}, ^3\text{He}')$, ($^3\text{He}, \alpha$), $E=30$ MeV; $^{97,98}\text{Mo}(^3\text{He}, ^3\text{He}')$, ($^3\text{He}, \alpha$), $E=45$ MeV; measured particle spectra, $E\gamma$, $I\gamma$, (particle) γ -coin. $^{93,94,95,96,97,98}\text{Mo}$ deduced radiative strength functions. JOUR PRVCA 71 044307

A=99

- ⁹⁹Mo 2005RE09 NUCLEAR REACTIONS ^{92,94}Mo(n, 2n), ^{92,100}Mo(n, α), ^{95,96,97}Mo(n, p), ^{96,97,98}Mo(n, np+d), E ≈ 13.5-21 MeV; measured activation σ; deduced reaction mechanism features. ⁹³Nb(p, n), (p, γ), E ≈ 1-6 MeV; ^{92,93,94,95,96,97,98,100}Mo, ⁹³Nb(n, γ), E < 4 MeV; ^{92,94,100}Mo(n, 2n), ^{92,94,95,96,97,98}Mo(n, p), ^{92,94,95,96,97,98,100}Mo(n, np+d), ^{92,98,100}Mo(n, α), E < 21 MeV; compiled, analyzed σ. Analysis with local and global approaches compared. JOUR PRVCA 71 044617

A=100

- ¹⁰⁰Zr 2005JA12 RADIOACTIVITY ²⁵²Cf(SF); measured Eγ, Iγ, αγ-, γγ-coin for α-accompanied ternary fission; deduced fission fragments average angular momentum. ^{100,102}Zr, ¹⁰⁶Mo, ^{144,146}Ba, ^{138,140,142}Xe; deduced transition intensities. Gammasphere array. JOUR ZAANE 24 373
- ¹⁰⁰Mo 2005BA33 RADIOACTIVITY ⁸²Se, ¹⁰⁰Mo, ¹¹⁶Cd, ¹⁵⁰Nd(2β⁻); measured 2νββ-decay T_{1/2}, 0νββ-decay T_{1/2} lower limits. JOUR YAFIA 68 443
- 2005SI06 RADIOACTIVITY ⁸²Se, ⁹⁶Zr, ¹⁰⁰Mo, ¹¹⁶Cd, ¹⁵⁰Nd(2β⁻); measured 2νββ-decay T_{1/2}. ⁸²Se, ¹⁰⁰Mo(2β⁻); measured 0νββ-decay T_{1/2} lower limits; deduced neutrino mass limits. JOUR NPBSE 145 272
- 2005WR01 NUCLEAR REACTIONS ¹⁰⁰Mo(⁴⁰Ar, ⁴⁰Ar'), E=90 MeV; measured Eγ, Iγ, (particle)γγ-coin following Coulomb excitation. ¹⁰⁰Mo deduced levels, J, π. JOUR IMPEE 14 359
- ¹⁰⁰Ru 2005BA33 RADIOACTIVITY ⁸²Se, ¹⁰⁰Mo, ¹¹⁶Cd, ¹⁵⁰Nd(2β⁻); measured 2νββ-decay T_{1/2}, 0νββ-decay T_{1/2} lower limits. JOUR YAFIA 68 443
- 2005SI06 RADIOACTIVITY ⁸²Se, ⁹⁶Zr, ¹⁰⁰Mo, ¹¹⁶Cd, ¹⁵⁰Nd(2β⁻); measured 2νββ-decay T_{1/2}. ⁸²Se, ¹⁰⁰Mo(2β⁻); measured 0νββ-decay T_{1/2} lower limits; deduced neutrino mass limits. JOUR NPBSE 145 272

A=101

- ¹⁰¹Mo 2005RE11 NUCLEAR REACTIONS ¹⁰⁰Mo(¹³⁶Xe, X)¹⁰¹Mo / ¹⁰³Ru / ¹⁰⁴Ru, E=700 MeV; measured Eγ, Iγ, γγ-, (particle)γγ-coin. ¹⁰¹Mo, ^{103,104}Ru deduced high-spin levels, J, π, configurations. Gammasphere, Chico arrays. JOUR APOBB 36 1313

A=102

- ¹⁰²Zr 2005JA12 RADIOACTIVITY ²⁵²Cf(SF); measured Eγ, Iγ, αγ-, γγ-coin for α-accompanied ternary fission; deduced fission fragments average angular momentum. ^{100,102}Zr, ¹⁰⁶Mo, ^{144,146}Ba, ^{138,140,142}Xe; deduced transition intensities. Gammasphere array. JOUR ZAANE 24 373
- ¹⁰²Ru 2005LA07 NUCLEAR REACTIONS ⁹⁶Zr(¹⁰B, 3np), E=42 MeV; measured Eγ, Iγ, γγ-coin. ¹⁰²Ru deduced levels, J, π, rotational bands, triaxial deformation. Gammasphere array. JOUR PRVCA 71 034318

A=103

- ¹⁰³Ru 2005RE11 NUCLEAR REACTIONS ¹⁰⁰Mo(¹³⁶Xe, X)¹⁰¹Mo / ¹⁰³Ru / ¹⁰⁴Ru, E=700 MeV; measured E γ , I γ , $\gamma\gamma$ -, (particle) γ -coin. ¹⁰¹Mo, ^{103,104}Ru deduced high-spin levels, J, π , configurations. Gammasphere, Chico arrays. JOUR APOBB 36 1313
- ¹⁰³Rh 2005DU15 RADIOACTIVITY ¹⁰³Pd(EC) [from ¹⁰²Pd(n, γ)]; measured E γ , I γ . ¹⁰³Rh deduced levels, β -feeding intensities. JOUR PRVCA 71 054322
- ¹⁰³Pd 2005DU15 NUCLEAR REACTIONS ^{102,108}Pd(n, γ), E=reactor; measured thermal and resonance capture σ ; deduced resonance integrals. Activation technique. JOUR PRVCA 71 054322
- 2005DU15 RADIOACTIVITY ¹⁰³Pd(EC) [from ¹⁰²Pd(n, γ)]; measured E γ , I γ . ¹⁰³Rh deduced levels, β -feeding intensities. JOUR PRVCA 71 054322

A=104

- ¹⁰⁴Ru 2005RE11 NUCLEAR REACTIONS ¹⁰⁰Mo(¹³⁶Xe, X)¹⁰¹Mo / ¹⁰³Ru / ¹⁰⁴Ru, E=700 MeV; measured E γ , I γ , $\gamma\gamma$ -, (particle) γ -coin. ¹⁰¹Mo, ^{103,104}Ru deduced high-spin levels, J, π , configurations. Gammasphere, Chico arrays. JOUR APOBB 36 1313

A=105

No references found

A=106

- ¹⁰⁶Mo 2005JA12 RADIOACTIVITY ²⁵²Cf(SF); measured E γ , I γ , $\alpha\gamma$ -, $\gamma\gamma$ -coin for α -accompanied ternary fission; deduced fission fragments average angular momentum. ^{100,102}Zr, ¹⁰⁶Mo, ^{144,146}Ba, ^{138,140,142}Xe; deduced transition intensities. Gammasphere array. JOUR ZAANE 24 373
- ¹⁰⁶Sb 2005S006 NUCLEAR REACTIONS ⁵⁴Fe(⁵⁸Ni, np α), E=240 MeV; measured E γ , I γ , $\gamma\gamma$ -, (charged particle) γ -, (neutron) γ -coin, γ -ray polarization. ¹⁰⁶Sb deduced high-spin levels, J, π , configurations. Euroball, ISIS arrays. JOUR NUPAB 753 251

A=107

No references found

A=108

- ¹⁰⁸Pd 2005AL25 NUCLEAR REACTIONS ¹⁰⁰Mo(¹¹B, 2np), E=43 MeV; measured E γ , I γ , $\gamma\gamma$ -, (charged particle) γ -coin. ¹⁰⁸Pd deduced high-spin levels, J, π , configurations. Total Routhian surface calculations. JOUR PRVCA 71 054315

A=108 (continued)

- ¹⁰⁸Cd 2005DA16 NUCLEAR REACTIONS ¹⁰⁰Mo(¹³C, 5n), E=65 MeV; measured E γ , I γ , $\gamma\gamma$ -coin, DSA. ¹⁰⁸Cd deduced high-spin levels, J, π , B(E2), antimagnetic rotation. Total Routhian surface calculations. JOUR PRVCA 71 041305
- 2005FA06 NUCLEAR REACTIONS ⁶⁴Ni(⁴⁸Ca, 4n), E=207 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁰⁸Cd deduced rotational bands transitions, quadrupole moments. JOUR NUPAB 752 231c

A=109

- ¹⁰⁹Tc 2005UR01 RADIOACTIVITY ²⁴⁸Cm(SF); measured E γ , I γ , $\gamma\gamma$ -coin. ^{109,110,111}Tc, ¹³⁵I deduced transitions. ¹¹¹Tc deduced levels, J, π , configurations. Eurogam2 array. Level systematics in neighboring nuclides discussed. JOUR ZAANE 24 161
- ¹⁰⁹Pd 2005DU15 NUCLEAR REACTIONS ^{102,108}Pd(n, γ), E=reactor; measured thermal and resonance capture σ ; deduced resonance integrals. Activation technique. JOUR PRVCA 71 054322
- ¹⁰⁹Cd 2005GY02 RADIOACTIVITY ¹⁰⁹In, ¹¹⁰Sn(EC) [from ¹⁰⁶Cd(α , γ), (α , p)]; measured E γ , I γ , T_{1/2}. JOUR PRVCA 71 057302
- ¹⁰⁹In 2005GY02 RADIOACTIVITY ¹⁰⁹In, ¹¹⁰Sn(EC) [from ¹⁰⁶Cd(α , γ), (α , p)]; measured E γ , I γ , T_{1/2}. JOUR PRVCA 71 057302

A=110

- ¹¹⁰Tc 2005UR01 RADIOACTIVITY ²⁴⁸Cm(SF); measured E γ , I γ , $\gamma\gamma$ -coin. ^{109,110,111}Tc, ¹³⁵I deduced transitions. ¹¹¹Tc deduced levels, J, π , configurations. Eurogam2 array. Level systematics in neighboring nuclides discussed. JOUR ZAANE 24 161
- ¹¹⁰Cd 2005LU06 NUCLEAR REACTIONS ^{110,116}Cd, ^{112,124}Sn(α , α'), E=240 MeV; measured E α , $\sigma(\theta)$. ^{110,116}Cd, ^{112,124}Sn deduced electric monopole strength distributions, resonance parameters. Comparison with model predictions. JOUR APOBB 36 1107
- ¹¹⁰In 2005GY02 RADIOACTIVITY ¹⁰⁹In, ¹¹⁰Sn(EC) [from ¹⁰⁶Cd(α , γ), (α , p)]; measured E γ , I γ , T_{1/2}. JOUR PRVCA 71 057302
- ¹¹⁰Sn 2005GY02 RADIOACTIVITY ¹⁰⁹In, ¹¹⁰Sn(EC) [from ¹⁰⁶Cd(α , γ), (α , p)]; measured E γ , I γ , T_{1/2}. JOUR PRVCA 71 057302
- 2005W003 NUCLEAR REACTIONS ⁹⁸Mo(¹⁶O, 3n), (¹⁶O, 4n), E=60, 70, 75, 80 MeV; measured prompt and delayed E γ , I γ , $\gamma\gamma$ -coin, excitation functions. ^{110,111}Sn deduced high-spin levels, J, π , configurations, isomeric states. Osiris-II array, total Routhian surface calculations. JOUR ZAANE 24 259

A=111

- ¹¹¹Tc 2005UR01 RADIOACTIVITY ²⁴⁸Cm(SF); measured E γ , I γ , $\gamma\gamma$ -coin. ^{109,110,111}Tc, ¹³⁵I deduced transitions. ¹¹¹Tc deduced levels, J, π , configurations. Eurogam2 array. Level systematics in neighboring nuclides discussed. JOUR ZAANE 24 161
- ¹¹¹Sn 2005W003 NUCLEAR REACTIONS ⁹⁸Mo(¹⁶O, 3n), (¹⁶O, 4n), E=60, 70, 75, 80 MeV; measured prompt and delayed E γ , I γ , $\gamma\gamma$ -coin, excitation functions. ^{110,111}Sn deduced high-spin levels, J, π , configurations, isomeric states. Osiris-II array, total Routhian surface calculations. JOUR ZAANE 24 259

A=112

- ¹¹²Sn 2005LU06 NUCLEAR REACTIONS ^{110,116}Cd, ^{112,124}Sn(α , α'), E=240 MeV; measured E α , $\sigma(\theta)$. ^{110,116}Cd, ^{112,124}Sn deduced electric monopole strength distributions, resonance parameters. Comparison with model predictions. JOUR APOBB 36 1107
- ¹¹²Te 2005JA10 RADIOACTIVITY ¹¹³Xe(β^+ p), (ECp) [from ⁵⁸Ni(⁵⁸Ni, n2p)]; measured β -delayed E γ , Ep, X-ray spectra, Q values. ¹¹³I deduced level widths, T_{1/2}, branching ratios for proton decay. ¹¹²Te levels deduced feeding intensities. Comparison with statistical model predictions. JOUR ZAANE 24 205

A=113

- ¹¹³Cd 2005BU20 NUCLEAR REACTIONS ¹¹²Cd(polarized d, p), E=22 MeV; ¹¹⁴Cd(polarized d, t), E=25 MeV; measured particle spectra, $\sigma(\theta)$, Ay(θ). ¹¹³Cd deduced levels, J, π , spectroscopic factors, configurations. Interacting Boson Fermion model and Quadrupole Phonon model calculations. JOUR NUPAB 756 54
- ¹¹³Sn 2005PA22 NUCLEAR REACTIONS ¹¹⁴Cd(α , 2n), (α , 3n), (α , 4n), (α , 5n), E=35, 40, 45, 50, 55; measured E γ , En, σ , $\sigma(\theta)$; deduced equilibrium and pre-equilibrium contributions, related reaction mechanism features. JOUR PRVCA 71 034605
- ¹¹³I 2005JA10 RADIOACTIVITY ¹¹³Xe(β^+ p), (ECp) [from ⁵⁸Ni(⁵⁸Ni, n2p)]; measured β -delayed E γ , Ep, X-ray spectra, Q values. ¹¹³I deduced level widths, T_{1/2}, branching ratios for proton decay. ¹¹²Te levels deduced feeding intensities. Comparison with statistical model predictions. JOUR ZAANE 24 205
- ¹¹³Xe 2005JA10 RADIOACTIVITY ¹¹³Xe(β^+ p), (ECp) [from ⁵⁸Ni(⁵⁸Ni, n2p)]; measured β -delayed E γ , Ep, X-ray spectra, Q values. ¹¹³I deduced level widths, T_{1/2}, branching ratios for proton decay. ¹¹²Te levels deduced feeding intensities. Comparison with statistical model predictions. JOUR ZAANE 24 205

A=114

- ¹¹⁴Sn 2005PA22 NUCLEAR REACTIONS ¹¹⁴Cd(α , 2n), (α , 3n), (α , 4n), (α , 5n), E=35, 40, 45, 50, 55; measured $E\gamma$, En, σ , $\sigma(\theta)$; deduced equilibrium and pre-equilibrium contributions, related reaction mechanism features. JOUR PRVCA 71 034605

A=115

- ¹¹⁵Sn 2005PA22 NUCLEAR REACTIONS ¹¹⁴Cd(α , 2n), (α , 3n), (α , 4n), (α , 5n), E=35, 40, 45, 50, 55; measured $E\gamma$, En, σ , $\sigma(\theta)$; deduced equilibrium and pre-equilibrium contributions, related reaction mechanism features. JOUR PRVCA 71 034605

A=116

- ¹¹⁶Cd 2005BA33 RADIOACTIVITY ⁸²Se, ¹⁰⁰Mo, ¹¹⁶Cd, ¹⁵⁰Nd($2\beta^-$); measured $2\nu\beta\beta$ -decay $T_{1/2}$, $0\nu\beta\beta$ -decay $T_{1/2}$ lower limits. JOUR YAFIA 68 443
- 2005LU06 NUCLEAR REACTIONS ^{110,116}Cd, ^{112,124}Sn(α , α'), E=240 MeV; measured $E\alpha$, $\sigma(\theta)$. ^{110,116}Cd, ^{112,124}Sn deduced electric monopole strength distributions, resonance parameters. Comparison with model predictions. JOUR APOBB 36 1107
- 2005RA13 NUCLEAR REACTIONS ¹¹⁶Sn(d, 2p), E=183 MeV; measured E_p , $\sigma(E, \theta)$. ¹¹⁶In levels deduced Gamow-Teller strength distribution. ¹¹⁶Cd deduced 2β -decay matrix elements. JOUR PRVCA 71 054313
- 2005SI06 RADIOACTIVITY ⁸²Se, ⁹⁶Zr, ¹⁰⁰Mo, ¹¹⁶Cd, ¹⁵⁰Nd($2\beta^-$); measured $2\nu\beta\beta$ -decay $T_{1/2}$. ⁸²Se, ¹⁰⁰Mo($2\beta^-$); measured $0\nu\beta\beta$ -decay $T_{1/2}$ lower limits; deduced neutrino mass limits. JOUR NPBSE 145 272
- ¹¹⁶In 2005RA13 NUCLEAR REACTIONS ¹¹⁶Sn(d, 2p), E=183 MeV; measured E_p , $\sigma(E, \theta)$. ¹¹⁶In levels deduced Gamow-Teller strength distribution. ¹¹⁶Cd deduced 2β -decay matrix elements. JOUR PRVCA 71 054313
- ¹¹⁶Sn 2005BA33 RADIOACTIVITY ⁸²Se, ¹⁰⁰Mo, ¹¹⁶Cd, ¹⁵⁰Nd($2\beta^-$); measured $2\nu\beta\beta$ -decay $T_{1/2}$, $0\nu\beta\beta$ -decay $T_{1/2}$ lower limits. JOUR YAFIA 68 443
- 2005HU10 NUCLEAR REACTIONS ⁹⁰Zr, ¹¹⁶Sn, ²⁰⁸Pb(α , $\alpha'n$), E=200 MeV; ²⁰⁸Pb(α , $\alpha'p$), E=200 MeV; measured $E\alpha$, $\sigma(\theta)$, $p\alpha^-$, $n\alpha$ -coin. ⁹⁰Zr, ¹¹⁶Sn, ²⁰⁸Pb deduced isoscalar GDR parameters, particle decay features. JOUR APOBB 36 1115
- 2005PA22 NUCLEAR REACTIONS ¹¹⁴Cd(α , 2n), (α , 3n), (α , 4n), (α , 5n), E=35, 40, 45, 50, 55; measured $E\gamma$, En, σ , $\sigma(\theta)$; deduced equilibrium and pre-equilibrium contributions, related reaction mechanism features. JOUR PRVCA 71 034605
- 2005SI06 RADIOACTIVITY ⁸²Se, ⁹⁶Zr, ¹⁰⁰Mo, ¹¹⁶Cd, ¹⁵⁰Nd($2\beta^-$); measured $2\nu\beta\beta$ -decay $T_{1/2}$. ⁸²Se, ¹⁰⁰Mo($2\beta^-$); measured $0\nu\beta\beta$ -decay $T_{1/2}$ lower limits; deduced neutrino mass limits. JOUR NPBSE 145 272

A=117

No references found

A=118

No references found

A=119

No references found

A=120

¹²⁰Ba 2005XU04 RADIOACTIVITY ⁸¹Zr, ⁸⁵Mo, ⁸⁹Ru, ⁹²Rh, ⁹³Pd, ¹²¹Ce, ¹²⁵Nd, ¹²⁸Pm, ¹²⁹Sm, ^{135,137}Gd, ¹³⁹Dy, ¹⁴²Ho, ¹⁴⁹Yb(β^+ p); measured β -delayed E γ , I γ , proton spectra, p γ -coin, T_{1/2}. Comparison with model predictions. JOUR PRVCA 71 054318

A=121

¹²¹Ce 2005XU04 RADIOACTIVITY ⁸¹Zr, ⁸⁵Mo, ⁸⁹Ru, ⁹²Rh, ⁹³Pd, ¹²¹Ce, ¹²⁵Nd, ¹²⁸Pm, ¹²⁹Sm, ^{135,137}Gd, ¹³⁹Dy, ¹⁴²Ho, ¹⁴⁹Yb(β^+ p); measured β -delayed E γ , I γ , proton spectra, p γ -coin, T_{1/2}. Comparison with model predictions. JOUR PRVCA 71 054318

A=122

¹²²Te 2005HI04 NUCLEAR REACTIONS ¹²²Te(n, n'), E=1.72, 2.80, 3.35 MeV; measured E γ , I γ , DSA; deduced excitation functions. ¹²²Te deduced levels, J, π , T_{1/2}, B(M1), B(E2). Comparison with interacting boson model predictions. JOUR PRVCA 71 034307

¹²²Xe 2005NY02 NUCLEAR REACTIONS ⁶⁴Ni(⁶⁴Ni, 2n), (⁶⁴Ni, 2n α), E=255, 261 MeV; measured E γ , I γ , $\gamma\gamma$ -, (particle) γ -coin. ¹²²Xe deduced possible hyperdeformed structure. Euroball IV and Diamant arrays. JOUR APOBB 36 1033

A=123

¹²³Ag 2005WAZY RADIOACTIVITY ^{123,124,125}Ag(IT) [from ¹³⁶Xe fragmentation]; measured E γ , I γ , isomeric states T_{1/2}. ¹²⁴Ag(β^-) [from ²³⁸U(α , F)]; measured E γ , I γ , $\gamma\gamma$ -coin. ¹²⁴Cd deduced transitions. CONF Argonne(Nuclei at the Limits),P335,Walters

A=124

^{124}Ag	2005WAZY	RADIOACTIVITY $^{123,124,125}\text{Ag(IT)}$ [from ^{136}Xe fragmentation]; measured $E\gamma$, $I\gamma$, isomeric states $T_{1/2}$. $^{124}\text{Ag}(\beta^-)$ [from $^{238}\text{U}(\alpha, \text{F})$]; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{124}Cd deduced transitions. CONF Argonne(Nuclei at the Limits),P335,Walters
^{124}Cd	2005WAZY	RADIOACTIVITY $^{123,124,125}\text{Ag(IT)}$ [from ^{136}Xe fragmentation]; measured $E\gamma$, $I\gamma$, isomeric states $T_{1/2}$. $^{124}\text{Ag}(\beta^-)$ [from $^{238}\text{U}(\alpha, \text{F})$]; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{124}Cd deduced transitions. CONF Argonne(Nuclei at the Limits),P335,Walters
^{124}Sn	2005LU06	NUCLEAR REACTIONS $^{110,116}\text{Cd}$, $^{112,124}\text{Sn}(\alpha, \alpha')$, $E=240$ MeV; measured $E\alpha$, $\sigma(\theta)$. $^{110,116}\text{Cd}$, $^{112,124}\text{Sn}$ deduced electric monopole strength distributions, resonance parameters. Comparison with model predictions. JOUR APOBB 36 1107
^{124}Ba	2005AL20	NUCLEAR REACTIONS $^{64}\text{Ni}(^{64}\text{Ni}, 4n)$, $E=255, 261$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{124}Ba deduced high-spin levels, J , π . Euroball IV and Diamant arrays. JOUR APOBB 36 1029
^{124}Ce	2005XU04	RADIOACTIVITY ^{81}Zr , ^{85}Mo , ^{89}Ru , ^{92}Rh , ^{93}Pd , ^{121}Ce , ^{125}Nd , ^{128}Pm , ^{129}Sm , $^{135,137}\text{Gd}$, ^{139}Dy , ^{142}Ho , $^{149}\text{Yb}(\beta^+ \text{p})$; measured β -delayed $E\gamma$, $I\gamma$, proton spectra, $p\gamma$ -coin, $T_{1/2}$. Comparison with model predictions. JOUR PRVCA 71 054318

A=125

^{125}Ag	2005WAZY	RADIOACTIVITY $^{123,124,125}\text{Ag(IT)}$ [from ^{136}Xe fragmentation]; measured $E\gamma$, $I\gamma$, isomeric states $T_{1/2}$. $^{124}\text{Ag}(\beta^-)$ [from $^{238}\text{U}(\alpha, \text{F})$]; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{124}Cd deduced transitions. CONF Argonne(Nuclei at the Limits),P335,Walters
^{125}Sn	2005J0ZZ	NUCLEAR REACTIONS $^2\text{H}(^{82}\text{Ge}, \text{p})$, $(^{84}\text{Se}, \text{p})$, $E=4$ MeV / nucleon; measured $\sigma(E, \theta)$. ^{83}Ge , ^{85}Se deduced ground and excited states energies, L . $^2\text{H}(^{124}\text{Sn}, \text{p})$, $E=562$ MeV; measured $\sigma(E, \theta)$. ^{125}Sn levels deduced spectroscopic factors. CONF Argonne(Nuclei at the Limits),P176,Jones
^{125}Te	2005P009	RADIOACTIVITY $^{125}\text{I(EC)}$; measured $E\gamma$, electron and X-ray spectra, sum energy spectra. JOUR NIMAE 544 584
^{125}I	2005P009	RADIOACTIVITY $^{125}\text{I(EC)}$; measured $E\gamma$, electron and X-ray spectra, sum energy spectra. JOUR NIMAE 544 584
^{125}Xe	2005HAZW	NUCLEAR REACTIONS $^{82}\text{Se}(^{48}\text{Ca}, 4n)$, $(^{48}\text{Ca}, 5n)$, $E=185, 195, 205$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{126}Xe deduced high-spin levels, J , π , deformation. Euroball, Gammasphere arrays, potential energy surface calculations. CONF Argonne(Nuclei at the Limits),P46,Hansen
^{125}Nd	2005XU04	RADIOACTIVITY ^{81}Zr , ^{85}Mo , ^{89}Ru , ^{92}Rh , ^{93}Pd , ^{121}Ce , ^{125}Nd , ^{128}Pm , ^{129}Sm , $^{135,137}\text{Gd}$, ^{139}Dy , ^{142}Ho , $^{149}\text{Yb}(\beta^+ \text{p})$; measured β -delayed $E\gamma$, $I\gamma$, proton spectra, $p\gamma$ -coin, $T_{1/2}$. Comparison with model predictions. JOUR PRVCA 71 054318
	2005XU04	NUCLEAR REACTIONS ^{92}Mo , $^{106}\text{Cd}(^{32}\text{S}, 3n)$, $E=151$ MeV; $^{92}\text{Mo}(^{36}\text{Ar}, 3n)$, $E=169$ MeV; $^{96}\text{Ru}(^{36}\text{Ar}, 3n)$, $(^{36}\text{Ar}, 3np)$, $E=165, 174$ MeV; $^{106}\text{Cd}(^{36}\text{Ar}, 3n)$, $(^{36}\text{Ar}, n\alpha)$, $E=176$ MeV; $^{106}\text{Cd}(^{40}\text{Ca}, 4n)$, $E=202$ MeV; $^{112}\text{Sn}(^{40}\text{Ca}, 3n)$, $E=185$ MeV; measured σ . JOUR PRVCA 71 054318

A=126

- ^{126}Sn 2005RA09 NUCLEAR REACTIONS C(^{126}Sn , $^{126}\text{Sn}'$), (^{128}Sn , $^{128}\text{Sn}'$), (^{130}Sn , $^{130}\text{Sn}'$), (^{132}Sn , $^{132}\text{Sn}'$), (^{134}Sn , $^{134}\text{Sn}'$), (^{132}Te , $^{132}\text{Te}'$), (^{134}Te , $^{134}\text{Te}'$), (^{136}Te , $^{136}\text{Te}'$), E not given; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. $^{126,128,130,132,134}\text{Sn}$, $^{132,134,136}\text{Te}$ deduced transitions B(E2). $^9\text{Be}(^{134}\text{Te}$, ^8Be), $^{13}\text{C}(^{134}\text{Te}$, ^{12}C), E not given; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (particle) γ -coin. ^{135}Te deduced level. Clarion, Hyball arrays. JOUR NUPAB 752 264c
- ^{126}Xe 2005HAZW NUCLEAR REACTIONS $^{82}\text{Se}(^{48}\text{Ca}$, 4n), (^{48}Ca , 5n), E=185, 195, 205 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{126}Xe deduced high-spin levels, J, π , deformation. Euroball, Gammasphere arrays, potential energy surface calculations. CONF Argonne(Nuclei at the Limits),P46,Hansen
- ^{126}Cs 2005PI08 NUCLEAR MOMENTS ^{126}Cs ; measured hfs; deduced μ . Bohr-Weisskopf effect. Atomic beam magnetic resonance. JOUR NUPAB 753 3
- ^{126}Ba 2005NY02 NUCLEAR REACTIONS $^{64}\text{Ni}(^{64}\text{Ni}$, 2n), (^{64}Ni , 2n α), E=255, 261 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (particle) γ -coin. ^{122}Xe deduced possible hyperdeformed structure. Euroball IV and Diamant arrays. JOUR APOBB 36 1033

A=127

- ^{127}Te 2005H015 NUCLEAR REACTIONS $^{126}\text{Te}(n, \gamma)$, E=thermal; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{126}\text{Te}(\text{polarized } d, p)$, E=20 MeV; measured proton spectra, $\sigma(\theta)$, $A_Y(\theta)$. ^{127}Te deduced levels, J, π , γ -branching ratios, binding energy, spectroscopic factors. DWBA and coupled-channels analysis, interacting boson-fermion and quasiparticle phonon model calculations. JOUR NUPAB 756 249
- ^{127}Pr 2005XU04 RADIOACTIVITY ^{81}Zr , ^{85}Mo , ^{89}Ru , ^{92}Rh , ^{93}Pd , ^{121}Ce , ^{125}Nd , ^{128}Pm , ^{129}Sm , $^{135,137}\text{Gd}$, ^{139}Dy , ^{142}Ho , $^{149}\text{Yb}(\beta^+p)$; measured β -delayed $E\gamma$, $I\gamma$, proton spectra, p γ -coin, $T_{1/2}$. Comparison with model predictions. JOUR PRVCA 71 054318

A=128

- ^{128}Sn 2005RA09 NUCLEAR REACTIONS C(^{126}Sn , $^{126}\text{Sn}'$), (^{128}Sn , $^{128}\text{Sn}'$), (^{130}Sn , $^{130}\text{Sn}'$), (^{132}Sn , $^{132}\text{Sn}'$), (^{134}Sn , $^{134}\text{Sn}'$), (^{132}Te , $^{132}\text{Te}'$), (^{134}Te , $^{134}\text{Te}'$), (^{136}Te , $^{136}\text{Te}'$), E not given; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. $^{126,128,130,132,134}\text{Sn}$, $^{132,134,136}\text{Te}$ deduced transitions B(E2). $^9\text{Be}(^{134}\text{Te}$, ^8Be), $^{13}\text{C}(^{134}\text{Te}$, ^{12}C), E not given; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (particle) γ -coin. ^{135}Te deduced level. Clarion, Hyball arrays. JOUR NUPAB 752 264c
- ^{128}Cs 2005GR10 NUCLEAR REACTIONS $^{122}\text{Sn}(^{14}\text{N}$, 4n), E=70 MeV; $^{122}\text{Sn}(^{10}\text{B}$, 4n), E=55 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, DSA. ^{128}Cs , ^{132}La levels deduced $T_{1/2}$, B(E2), B(M1), chirality. Osiris II array. JOUR IMPEE 14 347

A=128 (continued)

- 2005SR02 NUCLEAR REACTIONS $^{122}\text{Sn}(^{14}\text{N}, 4n)$, $E=70$ MeV; $^{122}\text{Sn}(^{10}\text{B}, 4n)$, $E=55$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, DSA. ^{132}La , ^{128}Cs deduced levels, J , π , $T_{1/2}$, rotational bands, intraband B(M1), B(E2). ^{128}Cs deduced possible chiral bands. Osiris II array. JOUR APOBB 36 1063
- ^{128}Nd 2005XU04 RADIOACTIVITY ^{81}Zr , ^{85}Mo , ^{89}Ru , ^{92}Rh , ^{93}Pd , ^{121}Ce , ^{125}Nd , ^{128}Pm , ^{129}Sm , $^{135,137}\text{Gd}$, ^{139}Dy , ^{142}Ho , $^{149}\text{Yb}(\beta^+p)$; measured β -delayed $E\gamma$, $I\gamma$, proton spectra, $p\gamma$ -coin, $T_{1/2}$. Comparison with model predictions. JOUR PRVCA 71 054318
- ^{128}Pm 2005XU04 RADIOACTIVITY ^{81}Zr , ^{85}Mo , ^{89}Ru , ^{92}Rh , ^{93}Pd , ^{121}Ce , ^{125}Nd , ^{128}Pm , ^{129}Sm , $^{135,137}\text{Gd}$, ^{139}Dy , ^{142}Ho , $^{149}\text{Yb}(\beta^+p)$; measured β -delayed $E\gamma$, $I\gamma$, proton spectra, $p\gamma$ -coin, $T_{1/2}$. Comparison with model predictions. JOUR PRVCA 71 054318
- 2005XU04 NUCLEAR REACTIONS ^{92}Mo , $^{106}\text{Cd}(^{32}\text{S}, 3n)$, $E=151$ MeV; $^{92}\text{Mo}(^{36}\text{Ar}, 3n)$, $E=169$ MeV; $^{96}\text{Ru}(^{36}\text{Ar}, 3n)$, $(^{36}\text{Ar}, 3np)$, $E=165, 174$ MeV; $^{106}\text{Cd}(^{36}\text{Ar}, 3n)$, $(^{36}\text{Ar}, n\alpha)$, $E=176$ MeV; $^{106}\text{Cd}(^{40}\text{Ca}, 4n)$, $E=202$ MeV; $^{112}\text{Sn}(^{40}\text{Ca}, 3n)$, $E=185$ MeV; measured σ . JOUR PRVCA 71 054318

A=129

- ^{129}Xe 2005W004 NUCLEAR MOMENTS $^{129,131}\text{Xe}$; measured hfs; deduced role of nuclear spin in photoionization. JOUR PLRAA 71 052504
- ^{129}Sm 2005XU04 RADIOACTIVITY ^{81}Zr , ^{85}Mo , ^{89}Ru , ^{92}Rh , ^{93}Pd , ^{121}Ce , ^{125}Nd , ^{128}Pm , ^{129}Sm , $^{135,137}\text{Gd}$, ^{139}Dy , ^{142}Ho , $^{149}\text{Yb}(\beta^+p)$; measured β -delayed $E\gamma$, $I\gamma$, proton spectra, $p\gamma$ -coin, $T_{1/2}$. Comparison with model predictions. JOUR PRVCA 71 054318
- 2005XU04 NUCLEAR REACTIONS ^{92}Mo , $^{106}\text{Cd}(^{32}\text{S}, 3n)$, $E=151$ MeV; $^{92}\text{Mo}(^{36}\text{Ar}, 3n)$, $E=169$ MeV; $^{96}\text{Ru}(^{36}\text{Ar}, 3n)$, $(^{36}\text{Ar}, 3np)$, $E=165, 174$ MeV; $^{106}\text{Cd}(^{36}\text{Ar}, 3n)$, $(^{36}\text{Ar}, n\alpha)$, $E=176$ MeV; $^{106}\text{Cd}(^{40}\text{Ca}, 4n)$, $E=202$ MeV; $^{112}\text{Sn}(^{40}\text{Ca}, 3n)$, $E=185$ MeV; measured σ . JOUR PRVCA 71 054318

A=130

- ^{130}Sn 2005RA09 NUCLEAR REACTIONS C(^{126}Sn , $^{126}\text{Sn}'$), (^{128}Sn , $^{128}\text{Sn}'$), (^{130}Sn , $^{130}\text{Sn}'$), (^{132}Sn , $^{132}\text{Sn}'$), (^{134}Sn , $^{134}\text{Sn}'$), (^{132}Te , $^{132}\text{Te}'$), (^{134}Te , $^{134}\text{Te}'$), (^{136}Te , $^{136}\text{Te}'$), E not given; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. $^{126,128,130,132,134}\text{Sn}$, $^{132,134,136}\text{Te}$ deduced transitions B(E2). $^9\text{Be}(^{134}\text{Te}, ^8\text{Be})$, $^{13}\text{C}(^{134}\text{Te}, ^{12}\text{C})$, E not given; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (particle) γ -coin. ^{135}Te deduced level. Clarion, Hyball arrays. JOUR NUPAB 752 264c
- ^{130}Cs 2005SI13 NUCLEAR REACTIONS $^{124}\text{Sn}(^{11}\text{B}, 5n)$, $E=60$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{130}Cs deduced high-spin levels, J , π , B(M1) / B(E2), chiral structure. Euroball IV array. JOUR JPGPE 31 541

A=131

- ^{131}Xe 2005W004 NUCLEAR MOMENTS $^{129,131}\text{Xe}$; measured hfs; deduced role of nuclear spin in photoionization. JOUR PLRAA 71 052504
- ^{131}Ce 2005PA30 NUCLEAR REACTIONS $^{100}\text{Mo}(^{36}\text{S}, 4n)$, $(^{36}\text{S}, 5n)$, $E=160, 165$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{131,132}\text{Ce}$ deduced high-spin levels, J , π , superdeformed bands, configurations, band termination features. Euroball IV array, cranked mean-field calculations. JOUR PRVCA 71 054309

A=132

- ^{132}Sn 2005RA09 NUCLEAR REACTIONS $C(^{126}\text{Sn}, ^{126}\text{Sn}')$, $(^{128}\text{Sn}, ^{128}\text{Sn}')$, $(^{130}\text{Sn}, ^{130}\text{Sn}')$, $(^{132}\text{Sn}, ^{132}\text{Sn}')$, $(^{134}\text{Sn}, ^{134}\text{Sn}')$, $(^{132}\text{Te}, ^{132}\text{Te}')$, $(^{134}\text{Te}, ^{134}\text{Te}')$, $(^{136}\text{Te}, ^{136}\text{Te}')$, E not given; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. $^{126,128,130,132,134}\text{Sn}$, $^{132,134,136}\text{Te}$ deduced transitions $B(E2)$. $^9\text{Be}(^{134}\text{Te}, ^8\text{Be})$, $^{13}\text{C}(^{134}\text{Te}, ^{12}\text{C})$, E not given; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (particle) γ -coin. ^{135}Te deduced level. Clarion, Hyball arrays. JOUR NUPAB 752 264c
- ^{132}Sb 2005HU08 RADIOACTIVITY $^{132}\text{Sb}(\beta^-)$ [from $U(p, F)$]; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{132}Te deduced levels, J , π . Clarion array, comparison with model predictions. JOUR PRVCA 71 044311
- ^{132}Te 2005HU08 RADIOACTIVITY $^{132}\text{Sb}(\beta^-)$ [from $U(p, F)$]; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{132}Te deduced levels, J , π . Clarion array, comparison with model predictions. JOUR PRVCA 71 044311
- 2005RA09 NUCLEAR REACTIONS $C(^{126}\text{Sn}, ^{126}\text{Sn}')$, $(^{128}\text{Sn}, ^{128}\text{Sn}')$, $(^{130}\text{Sn}, ^{130}\text{Sn}')$, $(^{132}\text{Sn}, ^{132}\text{Sn}')$, $(^{134}\text{Sn}, ^{134}\text{Sn}')$, $(^{132}\text{Te}, ^{132}\text{Te}')$, $(^{134}\text{Te}, ^{134}\text{Te}')$, $(^{136}\text{Te}, ^{136}\text{Te}')$, E not given; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. $^{126,128,130,132,134}\text{Sn}$, $^{132,134,136}\text{Te}$ deduced transitions $B(E2)$. $^9\text{Be}(^{134}\text{Te}, ^8\text{Be})$, $^{13}\text{C}(^{134}\text{Te}, ^{12}\text{C})$, E not given; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (particle) γ -coin. ^{135}Te deduced level. Clarion, Hyball arrays. JOUR NUPAB 752 264c
- 2005ST18 NUCLEAR REACTIONS $C(^{132}\text{Te}, ^{132}\text{Te}')$, $(^{122}\text{Te}, ^{122}\text{Te}')$, $(^{126}\text{Te}, ^{126}\text{Te}')$, $(^{130}\text{Te}, ^{130}\text{Te}')$, $E=3$ 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 PRLTA 94 192501
- ^{132}La 2005GR10 NUCLEAR REACTIONS $^{122}\text{Sn}(^{14}\text{N}, 4n)$, $E=70$ MeV; $^{122}\text{Sn}(^{10}\text{B}, 4n)$, $E=55$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, DSA. ^{128}Cs , ^{132}La levels deduced $T_{1/2}$, $B(E2)$, $B(M1)$, chirality. Osiris II array. JOUR IMPEE 14 347
- 2005SR02 NUCLEAR REACTIONS $^{122}\text{Sn}(^{14}\text{N}, 4n)$, $E=70$ MeV; $^{122}\text{Sn}(^{10}\text{B}, 4n)$, $E=55$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, DSA. ^{132}La , ^{128}Cs deduced levels, J , π , $T_{1/2}$, rotational bands, intraband $B(M1)$, $B(E2)$. ^{128}Cs deduced possible chiral bands. Osiris II array. JOUR APOBB 36 1063
- ^{132}Ce 2005CA23 NUCLEAR REACTIONS $^{198}\text{Pt}(^{18}\text{O}, xn)$, $E=96$ MeV; measured prompt and delayed $E\gamma$, $I\gamma$. ^{216}Rn deduced GDR parameters. $^{68}\text{Zn}(^{64}\text{Ni}, X)$, $E=300, 400, 500$ MeV; $^{116}\text{Sn}(^{16}\text{O}, X)$, $E=130, 250$ MeV; measured $E\gamma$, $I\gamma$. ^{132}Ce deduced GDR features, entrance channel effects. JOUR APOBB 36 1145

A=132 (continued)

- 2005GR09 NUCLEAR REACTIONS $^{68}\text{Zn}(^{64}\text{Ni}, \text{X})$, E=300, 400, 500 MeV; $^{116}\text{Sn}(^{16}\text{O}, \text{X})$, E=130, 250 MeV; measured $E\gamma$, $E\alpha$, light charged particle and evaporation residue spectra. ^{132}Ce deduced GDR features, possible pre-equilibrium effects. JOUR APOBB 36 1155
- 2005PA30 NUCLEAR REACTIONS $^{100}\text{Mo}(^{36}\text{S}, 4n)$, ($^{36}\text{S}, 5n$), E=160, 165 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{131,132}\text{Ce}$ deduced high-spin levels, J, π , superdeformed bands, configurations, band termination features. Euroball IV array, cranked mean-field calculations. JOUR PRVCA 71 054309

A=133

No references found

A=134

- ^{134}Sn 2005RA09 NUCLEAR REACTIONS C(^{126}Sn , $^{126}\text{Sn}'$), (^{128}Sn , $^{128}\text{Sn}'$), (^{130}Sn , $^{130}\text{Sn}'$), (^{132}Sn , $^{132}\text{Sn}'$), (^{134}Sn , $^{134}\text{Sn}'$), (^{132}Te , $^{132}\text{Te}'$), (^{134}Te , $^{134}\text{Te}'$), (^{136}Te , $^{136}\text{Te}'$), E not given; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. $^{126,128,130,132,134}\text{Sn}$, $^{132,134,136}\text{Te}$ deduced transitions B(E2). $^9\text{Be}(^{134}\text{Te}, ^8\text{Be})$, $^{13}\text{C}(^{134}\text{Te}, ^{12}\text{C})$, E not given; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (particle) γ -coin. ^{135}Te deduced level. Clarion, Hyball arrays. JOUR NUPAB 752 264c
- ^{134}Te 2005RA09 NUCLEAR REACTIONS C(^{126}Sn , $^{126}\text{Sn}'$), (^{128}Sn , $^{128}\text{Sn}'$), (^{130}Sn , $^{130}\text{Sn}'$), (^{132}Sn , $^{132}\text{Sn}'$), (^{134}Sn , $^{134}\text{Sn}'$), (^{132}Te , $^{132}\text{Te}'$), (^{134}Te , $^{134}\text{Te}'$), (^{136}Te , $^{136}\text{Te}'$), E not given; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. $^{126,128,130,132,134}\text{Sn}$, $^{132,134,136}\text{Te}$ deduced transitions B(E2). $^9\text{Be}(^{134}\text{Te}, ^8\text{Be})$, $^{13}\text{C}(^{134}\text{Te}, ^{12}\text{C})$, E not given; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (particle) γ -coin. ^{135}Te deduced level. Clarion, Hyball arrays. JOUR NUPAB 752 264c
- ^{134}Pr 2005TOZY NUCLEAR REACTIONS $^{119}\text{Sn}(^{19}\text{F}, 4n)$, E=83, 87 MeV; measured Doppler-shifted $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{134}Pr deduced high-spin levels $T_{1/2}$, B(E2), B(M1), chiral symmetry features. Recoil-distance and Doppler-shift attenuation techniques. CONF Argonne(Nuclei at the Limits),P93,Tonev
- ^{134}Sm 2005XU04 RADIOACTIVITY ^{81}Zr , ^{85}Mo , ^{89}Ru , ^{92}Rh , ^{93}Pd , ^{121}Ce , ^{125}Nd , ^{128}Pm , ^{129}Sm , $^{135,137}\text{Gd}$, ^{139}Dy , ^{142}Ho , $^{149}\text{Yb}(\beta^+p)$; measured β -delayed $E\gamma$, $I\gamma$, proton spectra, $p\gamma$ -coin, $T_{1/2}$. Comparison with model predictions. JOUR PRVCA 71 054318

A=135

- ¹³⁵Te 2005RA09 NUCLEAR REACTIONS C(¹²⁶Sn, ¹²⁶Sn'), (¹²⁸Sn, ¹²⁸Sn'), (¹³⁰Sn, ¹³⁰Sn'), (¹³²Sn, ¹³²Sn'), (¹³⁴Sn, ¹³⁴Sn'), (¹³²Te, ¹³²Te'), (¹³⁴Te, ¹³⁴Te'), (¹³⁶Te, ¹³⁶Te'), E not given; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{126,128,130,132,134}Sn, ^{132,134,136}Te deduced transitions B(E2). ⁹Be(¹³⁴Te, ⁸Be), ¹³C(¹³⁴Te, ¹²C), E not given; measured E γ , I γ , $\gamma\gamma$ -, (particle) γ -coin. ¹³⁵Te deduced level. Clarion, Hyball arrays. JOUR NUPAB 752 264c
- ¹³⁵I 2005UR01 RADIOACTIVITY ²⁴⁸Cm(SF); measured E γ , I γ , $\gamma\gamma$ -coin. ^{109,110,111}Tc, ¹³⁵I deduced transitions. ¹¹¹Tc deduced levels, J, π , configurations. Eurogam2 array. Level systematics in neighboring nuclides discussed. JOUR ZAANE 24 161
- ¹³⁵Xe 2005BA34 NUCLEAR REACTIONS ¹³⁶Xe(d, ³HeX)¹³⁵Xe, E=500 MeV; ¹H(d, π^0), E=500 MeV; measured helium spectra. ¹³⁵Xe deduced pionic state binding energy. JOUR YAFIA 68 517
- ¹³⁵Ce 2005JAZZ NUCLEAR REACTIONS ¹²⁴Sn(¹⁶O, 5n), E=80 MeV; measured E γ , I γ , $\gamma\gamma$ -coin, DSA. ¹³⁵Ce deduced high-spin levels, J, π , T_{1/2}, B(M1), B(E2), chiral doublet bands. CONF Argonne(Nuclei at the Limits),P99,Jain
- ¹³⁵Gd 2005XU04 RADIOACTIVITY ⁸¹Zr, ⁸⁵Mo, ⁸⁹Ru, ⁹²Rh, ⁹³Pd, ¹²¹Ce, ¹²⁵Nd, ¹²⁸Pm, ¹²⁹Sm, ^{135,137}Gd, ¹³⁹Dy, ¹⁴²Ho, ¹⁴⁹Yb(β^+ p); measured β -delayed E γ , I γ , proton spectra, p γ -coin, T_{1/2}. Comparison with model predictions. JOUR PRVCA 71 054318
- 2005XU04 NUCLEAR REACTIONS ⁹²Mo, ¹⁰⁶Cd(³²S, 3n), E=151 MeV; ⁹²Mo(³⁶Ar, 3n), E=169 MeV; ⁹⁶Ru(³⁶Ar, 3n), (³⁶Ar, 3np), E=165, 174 MeV; ¹⁰⁶Cd(³⁶Ar, 3n), (³⁶Ar, n α), E=176 MeV; ¹⁰⁶Cd(⁴⁰Ca, 4n), E=202 MeV; ¹¹²Sn(⁴⁰Ca, 3n), E=185 MeV; measured σ . JOUR PRVCA 71 054318

A=136

- ¹³⁶Te 2005RA09 NUCLEAR REACTIONS C(¹²⁶Sn, ¹²⁶Sn'), (¹²⁸Sn, ¹²⁸Sn'), (¹³⁰Sn, ¹³⁰Sn'), (¹³²Sn, ¹³²Sn'), (¹³⁴Sn, ¹³⁴Sn'), (¹³²Te, ¹³²Te'), (¹³⁴Te, ¹³⁴Te'), (¹³⁶Te, ¹³⁶Te'), E not given; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{126,128,130,132,134}Sn, ^{132,134,136}Te deduced transitions B(E2). ⁹Be(¹³⁴Te, ⁸Be), ¹³C(¹³⁴Te, ¹²C), E not given; measured E γ , I γ , $\gamma\gamma$ -, (particle) γ -coin. ¹³⁵Te deduced level. Clarion, Hyball arrays. JOUR NUPAB 752 264c
- ¹³⁶La 2005ZH16 NUCLEAR REACTIONS ¹³⁰Te(¹¹B, 5n), E=60 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ¹³⁶La deduced high-spin levels, J, π , configurations. JOUR ZAANE 24 199
- ¹³⁶Sm 2005XU04 RADIOACTIVITY ⁸¹Zr, ⁸⁵Mo, ⁸⁹Ru, ⁹²Rh, ⁹³Pd, ¹²¹Ce, ¹²⁵Nd, ¹²⁸Pm, ¹²⁹Sm, ^{135,137}Gd, ¹³⁹Dy, ¹⁴²Ho, ¹⁴⁹Yb(β^+ p); measured β -delayed E γ , I γ , proton spectra, p γ -coin, T_{1/2}. Comparison with model predictions. JOUR PRVCA 71 054318

A=137

- ¹³⁷Gd 2005XU04 RADIOACTIVITY ⁸¹Zr, ⁸⁵Mo, ⁸⁹Ru, ⁹²Rh, ⁹³Pd, ¹²¹Ce, ¹²⁵Nd, ¹²⁸Pm, ¹²⁹Sm, ^{135,137}Gd, ¹³⁹Dy, ¹⁴²Ho, ¹⁴⁹Yb(β^+ p); measured β -delayed E γ , I γ , proton spectra, p γ -coin, T_{1/2}. Comparison with model predictions. JOUR PRVCA 71 054318
- 2005XU04 NUCLEAR REACTIONS ⁹²Mo, ¹⁰⁶Cd(³²S, 3n), E=151 MeV; ⁹²Mo(³⁶Ar, 3n), E=169 MeV; ⁹⁶Ru(³⁶Ar, 3n), (³⁶Ar, 3np), E=165, 174 MeV; ¹⁰⁶Cd(³⁶Ar, 3n), (³⁶Ar, n α), E=176 MeV; ¹⁰⁶Cd(⁴⁰Ca, 4n), E=202 MeV; ¹¹²Sn(⁴⁰Ca, 3n), E=185 MeV; measured σ . JOUR PRVCA 71 054318

A=138

- ¹³⁸Xe 2005JA12 RADIOACTIVITY ²⁵²Cf(SF); measured E γ , I γ , $\alpha\gamma$ -, $\gamma\gamma$ -coin for α -accompanied ternary fission; deduced fission fragments average angular momentum. ^{100,102}Zr, ¹⁰⁶Mo, ^{144,146}Ba, ^{138,140,142}Xe; deduced transition intensities. Gammasphere array. JOUR ZAANE 24 373
- ¹³⁸Pr 2005GA14 NUCLEAR REACTIONS ¹²⁸Te(¹⁴N, 4n), E=55-65 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ¹³⁸Pr deduced high-spin levels, J, π , B(M1) / B(E2), configurations. Comparison with particle-rotor model predictions. JOUR ZAANE 24 173
- ¹³⁸Gd 2005XU04 RADIOACTIVITY ⁸¹Zr, ⁸⁵Mo, ⁸⁹Ru, ⁹²Rh, ⁹³Pd, ¹²¹Ce, ¹²⁵Nd, ¹²⁸Pm, ¹²⁹Sm, ^{135,137}Gd, ¹³⁹Dy, ¹⁴²Ho, ¹⁴⁹Yb(β^+ p); measured β -delayed E γ , I γ , proton spectra, p γ -coin, T_{1/2}. Comparison with model predictions. JOUR PRVCA 71 054318

A=139

- ¹³⁹Dy 2005XU04 RADIOACTIVITY ⁸¹Zr, ⁸⁵Mo, ⁸⁹Ru, ⁹²Rh, ⁹³Pd, ¹²¹Ce, ¹²⁵Nd, ¹²⁸Pm, ¹²⁹Sm, ^{135,137}Gd, ¹³⁹Dy, ¹⁴²Ho, ¹⁴⁹Yb(β^+ p); measured β -delayed E γ , I γ , proton spectra, p γ -coin, T_{1/2}. Comparison with model predictions. JOUR PRVCA 71 054318
- 2005XU04 NUCLEAR REACTIONS ⁹²Mo, ¹⁰⁶Cd(³²S, 3n), E=151 MeV; ⁹²Mo(³⁶Ar, 3n), E=169 MeV; ⁹⁶Ru(³⁶Ar, 3n), (³⁶Ar, 3np), E=165, 174 MeV; ¹⁰⁶Cd(³⁶Ar, 3n), (³⁶Ar, n α), E=176 MeV; ¹⁰⁶Cd(⁴⁰Ca, 4n), E=202 MeV; ¹¹²Sn(⁴⁰Ca, 3n), E=185 MeV; measured σ . JOUR PRVCA 71 054318

A=140

- ¹⁴⁰Xe 2005JA12 RADIOACTIVITY ²⁵²Cf(SF); measured E γ , I γ , $\alpha\gamma$ -, $\gamma\gamma$ -coin for α -accompanied ternary fission; deduced fission fragments average angular momentum. ^{100,102}Zr, ¹⁰⁶Mo, ^{144,146}Ba, ^{138,140,142}Xe; deduced transition intensities. Gammasphere array. JOUR ZAANE 24 373

A=141

¹⁴¹Tb 2005XU04 RADIOACTIVITY ⁸¹Zr, ⁸⁵Mo, ⁸⁹Ru, ⁹²Rh, ⁹³Pd, ¹²¹Ce, ¹²⁵Nd, ¹²⁸Pm, ¹²⁹Sm, ^{135,137}Gd, ¹³⁹Dy, ¹⁴²Ho, ¹⁴⁹Yb(β^+ p); measured β -delayed E γ , I γ , proton spectra, p γ -coin, T_{1/2}. Comparison with model predictions. JOUR PRVCA 71 054318

A=142

¹⁴²Xe 2005JA12 RADIOACTIVITY ²⁵²Cf(SF); measured E γ , I γ , $\alpha\gamma$ -, $\gamma\gamma$ -coin for α -accompanied ternary fission; deduced fission fragments average angular momentum. ^{100,102}Zr, ¹⁰⁶Mo, ^{144,146}Ba, ^{138,140,142}Xe; deduced transition intensities. Gammasphere array. JOUR ZAANE 24 373

¹⁴²Tb 2005RYZZ RADIOACTIVITY ^{146,146m}Tm(p) [from ⁹²Mo(⁵⁸Ni, xnp)]; measured proton spectra. ¹⁴⁶Tm, ¹⁴⁵Er deduced levels, configurations. ^{142m}Tb(IT); measured conversion electron spectra; deduced levels, J, π . CONF Argonne(Nuclei at the Limits),P223,Rykaczewski

¹⁴²Ho 2005XU04 RADIOACTIVITY ⁸¹Zr, ⁸⁵Mo, ⁸⁹Ru, ⁹²Rh, ⁹³Pd, ¹²¹Ce, ¹²⁵Nd, ¹²⁸Pm, ¹²⁹Sm, ^{135,137}Gd, ¹³⁹Dy, ¹⁴²Ho, ¹⁴⁹Yb(β^+ p); measured β -delayed E γ , I γ , proton spectra, p γ -coin, T_{1/2}. Comparison with model predictions. JOUR PRVCA 71 054318

¹⁴²Er 2005XU04 NUCLEAR REACTIONS ⁹²Mo, ¹⁰⁶Cd(³²S, 3n), E=151 MeV; ⁹²Mo(³⁶Ar, 3n), E=169 MeV; ⁹⁶Ru(³⁶Ar, 3n), (³⁶Ar, 3np), E=165, 174 MeV; ¹⁰⁶Cd(³⁶Ar, 3n), (³⁶Ar, n α), E=176 MeV; ¹⁰⁶Cd(⁴⁰Ca, 4n), E=202 MeV; ¹¹²Sn(⁴⁰Ca, 3n), E=185 MeV; measured σ . JOUR PRVCA 71 054318

A=143

¹⁴³Pm 2005AF02 NUCLEAR REACTIONS ¹⁴¹Pr(α , n), (α , 2n), E=15-45 MeV; measured σ . Stacked-foil activation technique. Comparison with model predictions. JOUR JUPSA 74 1150

A=144

¹⁴⁴Ba 2005JA12 RADIOACTIVITY ²⁵²Cf(SF); measured E γ , I γ , $\alpha\gamma$ -, $\gamma\gamma$ -coin for α -accompanied ternary fission; deduced fission fragments average angular momentum. ^{100,102}Zr, ¹⁰⁶Mo, ^{144,146}Ba, ^{138,140,142}Xe; deduced transition intensities. Gammasphere array. JOUR ZAANE 24 373

¹⁴⁴Pm 2005AF02 NUCLEAR REACTIONS ¹⁴¹Pr(α , n), (α , 2n), E=15-45 MeV; measured σ . Stacked-foil activation technique. Comparison with model predictions. JOUR JUPSA 74 1150

¹⁴⁴Er 2005ROZY RADIOACTIVITY ^{145,146}Tm(p) [from ⁵⁸Ni(⁹²Mo, xnp)]; measured Ep, p γ -coin, T_{1/2}. ^{144,145}Er deduced levels, feeding intensities. CONF Argonne(Nuclei at the Limits),P217,Robinson

¹⁴⁴Tm 2005RYZZ NUCLEAR REACTIONS ⁹²Mo(⁵⁸Ni, X), E=340 MeV; measured delayed Ep, (recoil)(proton)-coin. ¹⁴⁴Tm deduced possible proton decay. CONF Argonne(Nuclei at the Limits),P223,Rykaczewski

A=145

- ^{145}Er 2005ROZY RADIOACTIVITY $^{145,146}\text{Tm}(p)$ [from $^{58}\text{Ni}(^{92}\text{Mo}, xnp)$]; measured E_p , $p\gamma$ -coin, $T_{1/2}$. $^{144,145}\text{Er}$ deduced levels, feeding intensities. CONF Argonne(Nuclei at the Limits),P217,Robinson
- 2005RYZZ RADIOACTIVITY $^{146,146m}\text{Tm}(p)$ [from $^{92}\text{Mo}(^{58}\text{Ni}, xnp)$]; measured proton spectra. ^{146}Tm , ^{145}Er deduced levels, configurations. $^{142m}\text{Tb}(\text{IT})$; measured conversion electron spectra; deduced levels, J , π . CONF Argonne(Nuclei at the Limits),P223,Rykaczewski
- ^{145}Tm 2005ROZY NUCLEAR REACTIONS $^{58}\text{Ni}(^{92}\text{Mo}, 2np)$, $(^{92}\text{Mo}, 3np)$, $(^{92}\text{Mo}, 4np)$, E not given; measured E_γ , I_γ , (recoil) γ -coin. $^{145,147}\text{Tm}$ deduced levels, J , π , rotational bands. Recoil decay tagging, Gammasphere array. CONF Argonne(Nuclei at the Limits),P217,Robinson
- 2005ROZY RADIOACTIVITY $^{145,146}\text{Tm}(p)$ [from $^{58}\text{Ni}(^{92}\text{Mo}, xnp)$]; measured E_p , $p\gamma$ -coin, $T_{1/2}$. $^{144,145}\text{Er}$ deduced levels, feeding intensities. CONF Argonne(Nuclei at the Limits),P217,Robinson

A=146

- ^{146}Ba 2005JA12 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured E_γ , I_γ , $\alpha\gamma$ -, $\gamma\gamma$ -coin for α -accompanied ternary fission; deduced fission fragments average angular momentum. $^{100,102}\text{Zr}$, ^{106}Mo , $^{144,146}\text{Ba}$, $^{138,140,142}\text{Xe}$; deduced transition intensities. Gammasphere array. JOUR ZAANE 24 373
- ^{146}Tm 2005ROZY NUCLEAR REACTIONS $^{58}\text{Ni}(^{92}\text{Mo}, 2np)$, $(^{92}\text{Mo}, 3np)$, $(^{92}\text{Mo}, 4np)$, E not given; measured E_γ , I_γ , (recoil) γ -coin. $^{145,147}\text{Tm}$ deduced levels, J , π , rotational bands. Recoil decay tagging, Gammasphere array. CONF Argonne(Nuclei at the Limits),P217,Robinson
- 2005ROZY RADIOACTIVITY $^{145,146}\text{Tm}(p)$ [from $^{58}\text{Ni}(^{92}\text{Mo}, xnp)$]; measured E_p , $p\gamma$ -coin, $T_{1/2}$. $^{144,145}\text{Er}$ deduced levels, feeding intensities. CONF Argonne(Nuclei at the Limits),P217,Robinson
- 2005RYZZ RADIOACTIVITY $^{146,146m}\text{Tm}(p)$ [from $^{92}\text{Mo}(^{58}\text{Ni}, xnp)$]; measured proton spectra. ^{146}Tm , ^{145}Er deduced levels, configurations. $^{142m}\text{Tb}(\text{IT})$; measured conversion electron spectra; deduced levels, J , π . CONF Argonne(Nuclei at the Limits),P223,Rykaczewski

A=147

- ^{147}Tm 2005ROZY NUCLEAR REACTIONS $^{58}\text{Ni}(^{92}\text{Mo}, 2np)$, $(^{92}\text{Mo}, 3np)$, $(^{92}\text{Mo}, 4np)$, E not given; measured E_γ , I_γ , (recoil) γ -coin. $^{145,147}\text{Tm}$ deduced levels, J , π , rotational bands. Recoil decay tagging, Gammasphere array. CONF Argonne(Nuclei at the Limits),P217,Robinson

A=148

- ^{148}Sm 2005DA20 NUCLEAR REACTIONS $^{147}\text{Sm}(n, \gamma)$, $E \approx$ resonance; measured capture σ . Minimization of statistical error discussed. JOUR NIMAE 544 659

A=148 (continued)

- 2005LI14 NUCLEAR REACTIONS $^{148}\text{Sm}(\gamma, \gamma')$, $E=3.2$ MeV bremsstrahlung; measured $E\gamma$, $I\gamma$. ^{148}Sm deduced levels, J , π , $B(M1)$, $B(E1)$, $B(E2)$, mixed-symmetry state. Nuclear resonance fluorescence, interacting boson model. JOUR PRVCA 71 044318
- ^{148}Er 2005XU04 RADIOACTIVITY ^{81}Zr , ^{85}Mo , ^{89}Ru , ^{92}Rh , ^{93}Pd , ^{121}Ce , ^{125}Nd , ^{128}Pm , ^{129}Sm , $^{135,137}\text{Gd}$, ^{139}Dy , ^{142}Ho , $^{149}\text{Yb}(\beta^+p)$; measured β -delayed $E\gamma$, $I\gamma$, proton spectra, $p\gamma$ -coin, $T_{1/2}$. Comparison with model predictions. JOUR PRVCA 71 054318

A=149

- ^{149}Yb 2005XU04 RADIOACTIVITY ^{81}Zr , ^{85}Mo , ^{89}Ru , ^{92}Rh , ^{93}Pd , ^{121}Ce , ^{125}Nd , ^{128}Pm , ^{129}Sm , $^{135,137}\text{Gd}$, ^{139}Dy , ^{142}Ho , $^{149}\text{Yb}(\beta^+p)$; measured β -delayed $E\gamma$, $I\gamma$, proton spectra, $p\gamma$ -coin, $T_{1/2}$. Comparison with model predictions. JOUR PRVCA 71 054318
- 2005XU04 NUCLEAR REACTIONS ^{92}Mo , $^{106}\text{Cd}(^{32}\text{S}, 3n)$, $E=151$ MeV; $^{92}\text{Mo}(^{36}\text{Ar}, 3n)$, $E=169$ MeV; $^{96}\text{Ru}(^{36}\text{Ar}, 3n)$, $(^{36}\text{Ar}, 3np)$, $E=165, 174$ MeV; $^{106}\text{Cd}(^{36}\text{Ar}, 3n)$, $(^{36}\text{Ar}, n\alpha)$, $E=176$ MeV; $^{106}\text{Cd}(^{40}\text{Ca}, 4n)$, $E=202$ MeV; $^{112}\text{Sn}(^{40}\text{Ca}, 3n)$, $E=185$ MeV; measured σ . JOUR PRVCA 71 054318

A=150

- ^{150}Nd 2005BA33 RADIOACTIVITY ^{82}Se , ^{100}Mo , ^{116}Cd , $^{150}\text{Nd}(2\beta^-)$; measured $2\nu\beta\beta$ -decay $T_{1/2}$, $0\nu\beta\beta$ -decay $T_{1/2}$ lower limits. JOUR YAFIA 68 443
- 2005SI06 RADIOACTIVITY ^{82}Se , ^{96}Zr , ^{100}Mo , ^{116}Cd , $^{150}\text{Nd}(2\beta^-)$; measured $2\nu\beta\beta$ -decay $T_{1/2}$. ^{82}Se , $^{100}\text{Mo}(2\beta^-)$; measured $0\nu\beta\beta$ -decay $T_{1/2}$ lower limits; deduced neutrino mass limits. JOUR NPBSE 145 272
- ^{150}Sm 2005BA33 RADIOACTIVITY ^{82}Se , ^{100}Mo , ^{116}Cd , $^{150}\text{Nd}(2\beta^-)$; measured $2\nu\beta\beta$ -decay $T_{1/2}$, $0\nu\beta\beta$ -decay $T_{1/2}$ lower limits. JOUR YAFIA 68 443
- 2005SI06 RADIOACTIVITY ^{82}Se , ^{96}Zr , ^{100}Mo , ^{116}Cd , $^{150}\text{Nd}(2\beta^-)$; measured $2\nu\beta\beta$ -decay $T_{1/2}$. ^{82}Se , $^{100}\text{Mo}(2\beta^-)$; measured $0\nu\beta\beta$ -decay $T_{1/2}$ lower limits; deduced neutrino mass limits. JOUR NPBSE 145 272

A=151

- ^{151}Sm 2005BU21 NUCLEAR REACTIONS $^{149,151}\text{Sm}(t, p)$, $E=15$ MeV; measured proton spectra, $\sigma(E, \theta)$; deduced $L=0$ transition strengths. $^{151,153}\text{Sm}$ deduced levels, L , J , π , configurations. JOUR NUPAB 756 308

A=152

- ^{152}Sm 2005KU17 RADIOACTIVITY $^{152,152m}\text{Eu}(\text{EC})$ [from $^{151}\text{Eu}(n, \gamma)$]; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{152}Sm deduced levels, J , π , rotational band, pairing isomer. JOUR PRVCA 71 041303

A=152 (continued)

- 2005KU17 NUCLEAR REACTIONS $^{208}\text{Pb}(^{152}\text{Sm}, ^{152}\text{Sm}')$, E=652 MeV; measured $E\gamma$, $I\gamma$, (particle) γ -, $\gamma\gamma$ -coin following projectile Coulomb excitation. ^{152}Sm deduced levels, J, π , B(E2), rotational band, pairing isomer. Gammasphere, Chico arrays, level systematics in neighboring nuclides discussed. JOUR PRVCA 71 041303
- ^{152}Eu 2005KU17 RADIOACTIVITY $^{152,152m}\text{Eu}(\text{EC})$ [from $^{151}\text{Eu}(\text{n}, \gamma)$]; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{152}Sm deduced levels, J, π , rotational band, pairing isomer. JOUR PRVCA 71 041303
- ^{152}Dy 2005LAZZ NUCLEAR REACTIONS $^{108}\text{Pd}(^{48}\text{Ca}, 4\text{n})$, E=194 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, quasi-continuum spectra. ^{152}Dy deduced superdeformed band rotational damping width, decay-out features. Gammasphere array, Monte Carlo analysis. CONF Argonne(Nuclei at the Limits),P34,Lauritsen

A=153

- ^{153}Sm 2005BU21 NUCLEAR REACTIONS $^{149,151}\text{Sm}(\text{t}, \text{p})$, E=15 MeV; measured proton spectra, $\sigma(\text{E}, \theta)$; deduced L=0 transition strengths. $^{151,153}\text{Sm}$ deduced levels, L, J, π , configurations. JOUR NUPAB 756 308

A=154

No references found

A=155

No references found

A=156

- ^{156}Hf 2005SE11 NUCLEAR REACTIONS $^{102}\text{Pd}(^{58}\text{Ni}, 2\text{n})$, $(^{58}\text{Ni}, 2\text{np})$, $(^{58}\text{Ni}, 2\text{n}2\text{p})$, E=270 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (recoil) γ -coin. ^{156}Hf , ^{157}Ta , ^{158}W deduced levels, J, π , isomeric states $T_{1/2}$. Gammasphere array, recoil-decay tagging, shell model calculations. JOUR PRVCA 71 054319

A=157

- ^{157}Ta 2005SE11 NUCLEAR REACTIONS $^{102}\text{Pd}(^{58}\text{Ni}, 2\text{n})$, $(^{58}\text{Ni}, 2\text{np})$, $(^{58}\text{Ni}, 2\text{n}2\text{p})$, E=270 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, (recoil) γ -coin. ^{156}Hf , ^{157}Ta , ^{158}W deduced levels, J, π , isomeric states $T_{1/2}$. Gammasphere array, recoil-decay tagging, shell model calculations. JOUR PRVCA 71 054319

A=158

¹⁵⁸W 2005SE11 NUCLEAR REACTIONS ¹⁰²Pd(⁵⁸Ni, 2n), (⁵⁸Ni, 2np), (⁵⁸Ni, 2n2p), E=270 MeV; measured E γ , I γ , $\gamma\gamma$ -, (recoil) γ -coin. ¹⁵⁶Hf, ¹⁵⁷Ta, ¹⁵⁸W deduced levels, J, π , isomeric states T_{1/2}. Gammasphere array, recoil-decay tagging, shell model calculations. JOUR PRVCA 71 054319

A=159

No references found

A=160

No references found

A=161

¹⁶¹Lu 2005BR14 NUCLEAR REACTIONS ¹³⁹La(²⁸Si, 6n), E=175 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁶¹Lu deduced high-spin levels, J, π , configurations, triaxial superdeformed bands, possible wobbling excitation. Euroball array, total Routhian surface calculation, level systematics in neighboring isotopes discussed. JOUR ZAANE 24 167

A=162

No references found

A=163

¹⁶³Er 2005BE34 NUCLEAR REACTIONS ¹⁵⁰Nd(¹⁸O, 5n), E=87, 93 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁶³Er deduced K-mixing features vs temperature in quasi-continuum spectra. Euroball array, fluctuation analysis, band-mixing calculations. JOUR PYLBB 615 160

2005BR10 NUCLEAR REACTIONS ¹⁵⁰Nd(¹⁸O, 5n), E=87, 93 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁶³Er deduced K-mixing features vs temperature in quasi-continuum spectra. Euroball array. JOUR NUPAB 752 227c

2005LE21 NUCLEAR REACTIONS ¹⁵⁰Nd(¹⁸O, 5n), E=87, 93 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁶³Er deduced compound and rotational damping widths, dependence on K-quantum number, order-to-chaos transition. Euroball array. JOUR APOBB 36 1121

2005LEZZ NUCLEAR REACTIONS ¹⁵⁰Nd(¹⁸O, 5n), E=87, 93 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁶³Er deduced compound and rotational damping widths, dependence on K-quantum number. Euroball array. CONF Argonne(Nuclei at the Limits),P309,Leoni

A=163 (continued)

¹⁶³Lu 2005G0ZZ NUCLEAR REACTIONS ¹²³Sb(⁴⁴Ca, 4n), E=190 MeV; measured E γ , I γ , $\gamma\gamma$ -coin, DSA. ¹⁶³Lu deduced triaxial superdeformed bands transitions T_{1/2}, B(E2), B(M1), quadrupole moments. Gammasphere array. Comparison with model predictions. CONF Argonne(Nuclei at the Limits),P9,Gorgen

A=164

No references found

A=165

No references found

A=166

¹⁶⁶Yb 2005DEZX NUCLEAR REACTIONS ¹²⁴Sn(⁴⁸Ca, 4n), (⁴⁸Ca, 5n), (⁴⁸Ca, 6n), E=215 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ^{166,167,168}Yb deduced transition energy correlations, level spacing and interaction potential features, order-to-chaos transition. Gammasphere array. CONF Argonne(Nuclei at the Limits),P303,Deleplanque

A=167

¹⁶⁷Yb 2005DEZX NUCLEAR REACTIONS ¹²⁴Sn(⁴⁸Ca, 4n), (⁴⁸Ca, 5n), (⁴⁸Ca, 6n), E=215 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ^{166,167,168}Yb deduced transition energy correlations, level spacing and interaction potential features, order-to-chaos transition. Gammasphere array. CONF Argonne(Nuclei at the Limits),P303,Deleplanque

A=168

¹⁶⁸Yb 2005DEZX NUCLEAR REACTIONS ¹²⁴Sn(⁴⁸Ca, 4n), (⁴⁸Ca, 5n), (⁴⁸Ca, 6n), E=215 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ^{166,167,168}Yb deduced transition energy correlations, level spacing and interaction potential features, order-to-chaos transition. Gammasphere array. CONF Argonne(Nuclei at the Limits),P303,Deleplanque

A=169

¹⁶⁹Yb 2005SP04 NUCLEAR REACTIONS ¹⁶⁹Tm(p, n), E=5-45 MeV; measured excitation function; deduced integral yield. Stacked-foil activation. JOUR ARISE 63 235

A=170

No references found

A=171

No references found

A=172

¹⁷²Yb 2005SA15 NUCLEAR REACTIONS ^{172,174}Yb(polarized γ , γ'), E=2930, 3005, 3550 keV; measured E γ , I γ , asymmetries. ^{172,174}Yb levels deduced π . Parity and branching ratio systematics discussed. JOUR PRVCA 71 034304

A=173

¹⁷³Hf 2005HAZX NUCLEAR REACTIONS ¹³⁰Te(⁴⁸Ca, 4n), (⁴⁸Ca, 5n), E=200, 205 MeV; measured E γ , I γ , $\gamma\gamma$ -coin, DSA. ¹⁷⁴Hf deduced superdeformed bands transitions, T_{1/2}, quadrupole moments. ¹⁷³Hf deduced superdeformed band transitions. Gammasphere array, comparisons with model predictions. CONF Argonne(Nuclei at the Limits),P15,Hartley

A=174

¹⁷⁴Yb 2005DR05 NUCLEAR REACTIONS ^{175,176}Lu, ¹⁷⁴Yb(¹³⁶Xe, X)¹⁷⁴Yb, E=6 MeV / nucleon; ¹⁷³Yb(¹⁸O, ¹⁷O), E not given; measured prompt and delayed E γ , I γ , $\gamma\gamma$ -coin. ¹⁷⁴Yb deduced high-spin levels, J, π , δ , isomers T_{1/2}, configurations. Gammasphere, Caesar arrays. JOUR PRVCA 71 044326

2005DRZY NUCLEAR REACTIONS ^{175,176}Lu(¹³⁶Xe, X)¹⁷⁴Yb, E=6 MeV / nucleon; ¹⁷⁴Yb(¹³⁶Xe, ¹³⁶Xe'), E=6 MeV / nucleon; ¹⁷³Yb(¹⁸O, ¹⁷O), E not given; measured prompt and delayed E γ , I γ , $\gamma\gamma$ -coin. ¹⁷⁴Yb deduced high-spin levels, J, π , configurations, isomeric states T_{1/2}, transition strengths. Gammasphere array. PREPRINT ANU-P/1648,Dracoulis

2005SA15 NUCLEAR REACTIONS ^{172,174}Yb(polarized γ , γ'), E=2930, 3005, 3550 keV; measured E γ , I γ , asymmetries. ^{172,174}Yb levels deduced π . Parity and branching ratio systematics discussed. JOUR PRVCA 71 034304

¹⁷⁴Hf 2005HAZX NUCLEAR REACTIONS ¹³⁰Te(⁴⁸Ca, 4n), (⁴⁸Ca, 5n), E=200, 205 MeV; measured E γ , I γ , $\gamma\gamma$ -coin, DSA. ¹⁷⁴Hf deduced superdeformed bands transitions, T_{1/2}, quadrupole moments. ¹⁷³Hf deduced superdeformed band transitions. Gammasphere array, comparisons with model predictions. CONF Argonne(Nuclei at the Limits),P15,Hartley

A=175

No references found

A=176

No references found

A=177

No references found

A=178

No references found

A=179

No references found

A=180

No references found

A=181

No references found

A=182

No references found

A=183

No references found

A=184

No references found

A=185

No references found

A=186

No references found

A=187

- ¹⁸⁷Tl 2005CH38 NUCLEAR REACTIONS ¹⁵⁹Tb(³²S, 4n), E=154 MeV; measured Doppler-shifted E γ , I γ . ¹⁸⁷Tl deduced high-spin levels, J, π , configurations, T_{1/2}, transition quadrupole moments, B(E2), shape coexistence. Comparison with model predictions. JOUR PRVCA 71 054324

A=188

No references found

A=189

- ¹⁸⁹Pb 2005BA51 NUCLEAR REACTIONS ¹⁵⁸Gd(³⁶Ar, 5n), E=178 MeV; measured E γ , I γ , $\gamma\gamma$ -, (recoil) γ -coin. ¹⁶⁴Er(²⁹Si, 4n), E=140 MeV; measured delayed E γ , I γ , $\gamma\gamma$ -coin. ¹⁸⁹Pb deduced levels, J, π , configurations, deformation, isomer T_{1/2}. Level systematics in neighboring isotopes discussed. Recoil mass spectrometer, pulsed beams. JOUR PRVCA 71 054302
- 2005BAZY NUCLEAR REACTIONS ¹⁵⁸Gd(³⁶Ar, 5n), E=178 MeV; measured E γ , I γ , $\gamma\gamma$ -, (recoil) γ -coin. ¹⁶⁴Er(²⁹Si, 4n), E=140 MeV; measured delayed E γ , I γ , $\gamma\gamma$ -coin. ¹⁸⁹Pb deduced levels, J, π , configurations, isomer T_{1/2}. CONF Argonne(Nuclei at the Limits),P62,Baxter
- 2005BAZZ NUCLEAR REACTIONS ¹⁵⁸Gd(³⁶Ar, 5n), E=178 MeV; measured E γ , I γ , $\gamma\gamma$ -, (recoil) γ -coin. ¹⁶⁴Er(²⁹Si, 4n), E=140 MeV; measured prompt and delayed E γ , I γ , $\gamma\gamma$ -coin. ¹⁸⁹Pb deduced levels, J, π , isomeric state T_{1/2}, configurations. PREPRINT ANU-P/1634,Baxter

A=190

- ¹⁹⁰Pb 2005WI10 NUCLEAR REACTIONS ¹⁶⁶Er(²⁸Si, 4n), E=143 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁹⁰Pb deduced high-spin levels, J, π , superdeformed band. Gammasphere array. JOUR ZAANE 24 179

A=191

- ¹⁹¹Os 2005NI12 RADIOACTIVITY ¹⁹¹Os(β^-) [from ¹⁹⁰Os(n, γ)]; measured E γ , I γ , X-ray spectra. ¹⁹¹Ir transition deduced ICC, fluorescence yield. Comparison with model predictions, ^{193m}Ir decay data. Need for K-shell hole to be included in calculations discussed. JOUR PRVCA 71 054320
- ¹⁹¹Ir 2005NI12 RADIOACTIVITY ¹⁹¹Os(β^-) [from ¹⁹⁰Os(n, γ)]; measured E γ , I γ , X-ray spectra. ¹⁹¹Ir transition deduced ICC, fluorescence yield. Comparison with model predictions, ^{193m}Ir decay data. Need for K-shell hole to be included in calculations discussed. JOUR PRVCA 71 054320

A=192

- ¹⁹²Ir 2005HI08 NUCLEAR REACTIONS ¹⁹²Os(p, n), E \approx 6-20 MeV; measured σ ; deduced thick-target yield. Stacked-foil activation, comparison with model predictions. JOUR ARISE 63 93

A=193

No references found

A=194

- ¹⁹⁴Pt 2005J011 NUCLEAR REACTIONS ¹⁹²Os(⁸²Se, X)¹⁹⁴Pt, E=460 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁹⁴Pt deduced levels, J, π , configurations, B(E2). GASP array. JOUR APOBB 36 1323
- ¹⁹⁴Au 2005SI14 NUCLEAR REACTIONS C, O, Si, Mg, Al(n, X)⁷Be, E \approx 0.1-750 MeV; O, Si, Mg, Al(n, X)²²Na / ²³Na, E \approx 0.1-750 MeV; ¹⁹⁷Au(n, X)¹⁹⁴Au / ¹⁹⁶Au / ¹⁹⁸Au, E \approx 0.1-750 MeV; Ti, Fe, Ni, Cu(n, X)⁴⁶Sc / ⁴⁸Sc, E \approx 0.1-750 MeV; Fe, Ni, Cu(n, X)⁴⁸V / ⁵¹Cr / ⁵²Mn / ⁵⁴Mn, E \approx 0.1-750 MeV; Ni, Cu(n, X)⁵⁶Ni / ⁵⁷Ni / ⁵⁶Co / ⁵⁷Co / ⁵⁸Co / ⁶⁰Co / ⁵⁹Fe, E \approx 0.1-750 MeV; measured energy-integrated production σ . JOUR NIMBE 234 419

A=195

- ¹⁹⁵Pb 2005J010 NUCLEAR REACTIONS ¹⁷⁴Yb(²⁶Mg, 5n), E=132 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁹⁵Pb deduced high-spin levels, J, π , superdeformed bands, quasi-continuum decay-out spectra. Gammasphere array. JOUR PRVCA 71 044310

A=196

- ¹⁹⁶Au 2005LI13 NUCLEAR REACTIONS ¹⁹⁷Au(γ , n), E=spectrum; measured activation yield. Incident gammas from laser Compton scattering. JOUR JNSTA 42 259
- 2005SI14 NUCLEAR REACTIONS C, O, Si, Mg, Al(n, X)⁷Be, E \approx 0.1-750 MeV; O, Si, Mg, Al(n, X)²²Na / ²³Na, E \approx 0.1-750 MeV; ¹⁹⁷Au(n, X)¹⁹⁴Au / ¹⁹⁶Au / ¹⁹⁸Au, E \approx 0.1-750 MeV; Ti, Fe, Ni, Cu(n, X)⁴⁶Sc / ⁴⁸Sc, E \approx 0.1-750 MeV; Fe, Ni, Cu(n, X)⁴⁸V / ⁵¹Cr / ⁵²Mn / ⁵⁴Mn, E \approx 0.1-750 MeV; Ni, Cu(n, X)⁵⁶Ni / ⁵⁷Ni / ⁵⁶Co / ⁵⁷Co / ⁵⁸Co / ⁶⁰Co / ⁵⁹Fe, E \approx 0.1-750 MeV; measured energy-integrated production σ . JOUR NIMBE 234 419

A=197

- ¹⁹⁷Au 2005BE33 NUCLEAR REACTIONS ¹⁹⁷Au(⁵⁴Cr, ⁵⁴Cr'), E=136 MeV / nucleon; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ⁵⁴Cr deduced transitions. JOUR APOBB 36 1235
- 2005BU14 NUCLEAR REACTIONS ¹⁹⁷Au(⁵⁴Cr, ⁵⁴Cr'), (⁵⁶Cr, ⁵⁶Cr'), (⁵⁸Cr, ⁵⁸Cr'), E \approx 135 MeV / nucleon; measured measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{54,56,58}Cr deduced transitions. JOUR APOBB 36 1249
- 2005DI05 NUCLEAR REACTIONS ¹⁹⁷Au(⁷⁶Ge, ⁷⁶Ge'), (⁵²Ti, ⁵²Ti'), (⁵⁴Ti, ⁵⁴Ti'), (⁵⁶Ti, ⁵⁶Ti'), E \approx 80-90 MeV; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{52,54,56}Ti deduced transitions B(E2), subshell closures. Comparison with large-scale shell model calculations. JOUR PRVCA 71 041302
- 2005DIZZ NUCLEAR REACTIONS ²³⁸U(⁴⁸Ca, X)⁵⁶Ti, E=330 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ⁵⁶Ti deduced levels, J, π . ¹⁹⁷Au(⁷⁶Ge, ⁷⁶Ge'), (⁵²Ti, ⁵²Ti'), (⁵⁴Ti, ⁵⁴Ti'), (⁵⁶Ti, ⁵⁶Ti'), E \approx 80-90 MeV; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{52,54,56}Ti, ⁷⁶Ge, ¹⁹⁷Au deduced transitions B(E2). CONF Argonne(Nuclei at the Limits),P131,Dinca
- 2005GA15 NUCLEAR REACTIONS ¹⁹⁷Au(⁵²Fe, ⁵²Fe'), (⁵⁴Ni, ⁵⁴Ni'), (⁵⁶Ni, ⁵⁶Ni'), (⁵⁸Ni, ⁵⁸Ni'), E not given; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ⁵²Fe, ^{54,56,58}Ni transitions deduced B(E2). ⁹Be(³²S, ³¹SX), (³³Cl, ³²ClX), (³⁴Ar, ³³ArX), E not given; measured one-neutron removal σ . JOUR APOBB 36 1227
- 2005SAZY NUCLEAR REACTIONS ¹⁹⁷Au(⁵⁴Cr, ⁵⁴Cr'), (⁵⁶Cr, ⁵⁶Cr'), (⁵⁸Cr, ⁵⁸Cr'), E=100 MeV / nucleon; measured E γ , I γ , (particle) γ -coin following projectile Coulomb excitation. ^{54,56,58}Cr deduced transitions. Be(⁵⁵Ni, X)⁵⁰Cr, E=171 MeV / nucleon; measured E γ , I γ , (particle) γ -coin. ⁵⁰Cr deduced transitions. Be(⁵⁵Ni, X), ¹⁹⁷Au(¹⁰⁸Sn, X), E not given; measured fragment yields. CONF Argonne(Nuclei at the Limits),P151,Saito

A=198

¹⁹⁸Au 2005SI14 NUCLEAR REACTIONS C, O, Si, Mg, Al(n, X)⁷Be, E ≈ 0.1-750 MeV; O, Si, Mg, Al(n, X)²²Na / ²³Na, E ≈ 0.1-750 MeV; ¹⁹⁷Au(n, X)¹⁹⁴Au / ¹⁹⁶Au / ¹⁹⁸Au, E ≈ 0.1-750 MeV; Ti, Fe, Ni, Cu(n, X)⁴⁶Sc / ⁴⁸Sc, E ≈ 0.1-750 MeV; Fe, Ni, Cu(n, X)⁴⁸V / ⁵¹Cr / ⁵²Mn / ⁵⁴Mn, E ≈ 0.1-750 MeV; Ni, Cu(n, X)⁵⁶Ni / ⁵⁷Ni / ⁵⁶Co / ⁵⁷Co / ⁵⁸Co / ⁶⁰Co / ⁵⁹Fe, E ≈ 0.1-750 MeV; measured energy-integrated production σ . JOUR NIMBE 234 419

A=199

¹⁹⁹Hg 2005OS02 NUCLEAR MOMENTS ¹⁹⁹Hg; measured electric quadrupole moment. Comparison with model predictions. JOUR PRLTA 94 163001

A=200

No references found

A=201

No references found

A=202

No references found

A=203

No references found

A=204

No references found

A=205

No references found

A=206

No references found

A=207

- ²⁰⁷Tl 2005HU10 NUCLEAR REACTIONS ⁹⁰Zr, ¹¹⁶Sn, ²⁰⁸Pb(α , α' n), E=200 MeV; ²⁰⁸Pb(α , α' p), E=200 MeV; measured $E\alpha$, $\sigma(\theta)$, $p\alpha$ -, $n\alpha$ -coin. ⁹⁰Zr, ¹¹⁶Sn, ²⁰⁸Pb deduced isoscalar GDR parameters, particle decay features. JOUR APOBB 36 1115
- ²⁰⁷Pb 2005HU10 NUCLEAR REACTIONS ⁹⁰Zr, ¹¹⁶Sn, ²⁰⁸Pb(α , α' n), E=200 MeV; ²⁰⁸Pb(α , α' p), E=200 MeV; measured $E\alpha$, $\sigma(\theta)$, $p\alpha$ -, $n\alpha$ -coin. ⁹⁰Zr, ¹¹⁶Sn, ²⁰⁸Pb deduced isoscalar GDR parameters, particle decay features. JOUR APOBB 36 1115
- 2005SH22 NUCLEAR REACTIONS ⁷⁹Br, ⁹⁰Zr, ¹⁹⁷Au, ²⁰⁷Pb(n, n'), E=2.54, 3.1 MeV; measured σ . Pulsed beam. JOUR ANEND 32 949
- ²⁰⁷Ac 2005LI17 NUCLEAR REACTIONS Be(²³⁸U, X)²⁰⁷Ac / ²⁰⁸Ac / ²⁰⁹Ac / ²¹⁰Ac / ²¹¹Ac / ²¹²Ac / ²¹³Ac / ²¹⁴Ac / ²¹⁵Ac / ²¹⁶Ac / ²¹⁷Ac / ²¹⁸Ac / ²¹⁹Ac / ²²⁰Ac / ²²¹Ac / ²¹¹Th / ²¹²Th / ²¹³Th / ²¹⁴Th / ²¹⁵Th / ²¹⁶Th / ²¹⁷Th / ²¹⁸Th / ²¹⁹Th / ²²⁰Th / ²²¹Th / ²²²Th / ²²³Th / ²¹⁶Pa / ²¹⁷Pa / ²¹⁸Pa / ²¹⁹Pa / ²²⁰Pa / ²²¹Pa / ²²²Pa / ²²³Pa / ²²⁴Pa / ²²⁵Pa / ²²⁶Pa / ²²⁷Pa, E=1 GeV / nucleon; measured (fragment)(decay)-coin, fragment yields. Fragment separator. JOUR NIMAE 543 591

A=208

- ²⁰⁸Pb 2005CLZZ NUCLEAR REACTIONS Be(⁷⁸Kr, X)⁷²Kr / ⁷⁴Kr, E=73 MeV; measured delayed $E\gamma$, $I\gamma$, $E(\text{ce})$, $I(\text{ce})$, (recoil) γ -, (recoil)(ce)-coin. ^{72,74}Kr deduced isomeric levels, J, π , $T_{1/2}$, E0 strength. ⁷²Kr deduced shape isomer. ²⁰⁸Pb(⁷⁶Kr, ⁷⁶Kr'), (⁷⁴Kr, ⁷⁴Kr'), E \approx 4.5 MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. ^{74,76}Kr deduced levels, J, π . CONF Argonne(Nuclei at the Limits),P55,Clement
- 2005FL02 NUCLEAR REACTIONS ²⁰⁸Pb(¹⁶O, ¹⁶O'), (¹⁶O, α ¹²C), E=60, 80 MeV / nucleon; measured particle spectra, $\sigma(E, \theta)$, angular correlations; deduced reaction mechanism features. DWBA and coupled-channels analyses. JOUR PYLBB 615 167
- 2005G015 NUCLEAR REACTIONS ²⁰⁸Pb(⁷⁴Kr, ⁷⁴Kr'), (⁷⁶Kr, ⁷⁶Kr'), E=4.5 MeV / nucleon; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. ^{74,76}Kr deduced levels, J, π , quadrupole moments. ²⁰⁸Pb(⁷²Ge, ⁷²Ge'), E not given; measured $E\gamma$, $I\gamma$, $E(\text{ce})$, $I(\text{ce})$, (particle) γ -coin following projectile Coulomb excitation. ⁷²Ge deduced transitions. Exogam array. JOUR APOBB 36 1281
- 2005HU10 NUCLEAR REACTIONS ⁹⁰Zr, ¹¹⁶Sn, ²⁰⁸Pb(α , α' n), E=200 MeV; ²⁰⁸Pb(α , α' p), E=200 MeV; measured $E\alpha$, $\sigma(\theta)$, $p\alpha$ -, $n\alpha$ -coin. ⁹⁰Zr, ¹¹⁶Sn, ²⁰⁸Pb deduced isoscalar GDR parameters, particle decay features. JOUR APOBB 36 1115
- 2005K011 NUCLEAR REACTIONS ²⁰⁸Pb(⁷⁴Kr, ⁷⁴Kr'), (⁷⁶Kr, ⁷⁶Kr'), E \approx 350 MeV; measured $E\gamma$, $I\gamma$, (particle) γ -coin following projectile Coulomb excitation. ^{74,76}Kr deduced levels, J, π , quadrupole moments. Exogam array. JOUR NUPAB 752 255c

A=208 (continued)

- 2005KU17 NUCLEAR REACTIONS $^{208}\text{Pb}(^{152}\text{Sm}, ^{152}\text{Sm}')$, $E=652$ MeV; measured $E\gamma$, $I\gamma$, (particle) γ -, $\gamma\gamma$ -coin following projectile Coulomb excitation. ^{152}Sm deduced levels, J , π , $B(E2)$, rotational band, pairing isomer. Gammasphere, Chico arrays, level systematics in neighboring nuclides discussed. JOUR PRVCA 71 041303
- ^{208}Ac 2005LI17 NUCLEAR REACTIONS $\text{Be}(^{238}\text{U}, X)^{207}\text{Ac} / ^{208}\text{Ac} / ^{209}\text{Ac} / ^{210}\text{Ac} / ^{211}\text{Ac} / ^{212}\text{Ac} / ^{213}\text{Ac} / ^{214}\text{Ac} / ^{215}\text{Ac} / ^{216}\text{Ac} / ^{217}\text{Ac} / ^{218}\text{Ac} / ^{219}\text{Ac} / ^{220}\text{Ac} / ^{221}\text{Ac} / ^{211}\text{Th} / ^{212}\text{Th} / ^{213}\text{Th} / ^{214}\text{Th} / ^{215}\text{Th} / ^{216}\text{Th} / ^{217}\text{Th} / ^{218}\text{Th} / ^{219}\text{Th} / ^{220}\text{Th} / ^{221}\text{Th} / ^{222}\text{Th} / ^{223}\text{Th} / ^{216}\text{Pa} / ^{217}\text{Pa} / ^{218}\text{Pa} / ^{219}\text{Pa} / ^{220}\text{Pa} / ^{221}\text{Pa} / ^{222}\text{Pa} / ^{223}\text{Pa} / ^{224}\text{Pa} / ^{225}\text{Pa} / ^{226}\text{Pa} / ^{227}\text{Pa}$, $E=1$ GeV / nucleon; measured (fragment)(decay)-coin, fragment yields. Fragment separator. JOUR NIMAE 543 591

A=209

- ^{209}Po 2005LI17 RADIOACTIVITY $^{216,217,221,222}\text{Th}$, ^{216}Ac , ^{215}Ra , ^{214}Fr , $^{213}\text{Rn}(\alpha)$ [from $\text{Be}(^{238}\text{U}, X)$ and subsequent decay]; measured $E\alpha$, $T_{1/2}$. Fragment separator. JOUR NIMAE 543 591
- ^{209}Ac 2005LI17 NUCLEAR REACTIONS $\text{Be}(^{238}\text{U}, X)^{207}\text{Ac} / ^{208}\text{Ac} / ^{209}\text{Ac} / ^{210}\text{Ac} / ^{211}\text{Ac} / ^{212}\text{Ac} / ^{213}\text{Ac} / ^{214}\text{Ac} / ^{215}\text{Ac} / ^{216}\text{Ac} / ^{217}\text{Ac} / ^{218}\text{Ac} / ^{219}\text{Ac} / ^{220}\text{Ac} / ^{221}\text{Ac} / ^{211}\text{Th} / ^{212}\text{Th} / ^{213}\text{Th} / ^{214}\text{Th} / ^{215}\text{Th} / ^{216}\text{Th} / ^{217}\text{Th} / ^{218}\text{Th} / ^{219}\text{Th} / ^{220}\text{Th} / ^{221}\text{Th} / ^{222}\text{Th} / ^{223}\text{Th} / ^{216}\text{Pa} / ^{217}\text{Pa} / ^{218}\text{Pa} / ^{219}\text{Pa} / ^{220}\text{Pa} / ^{221}\text{Pa} / ^{222}\text{Pa} / ^{223}\text{Pa} / ^{224}\text{Pa} / ^{225}\text{Pa} / ^{226}\text{Pa} / ^{227}\text{Pa}$, $E=1$ GeV / nucleon; measured (fragment)(decay)-coin, fragment yields. Fragment separator. JOUR NIMAE 543 591

A=210

- ^{210}Bi 2005DE16 NUCLEAR REACTIONS $^{209}\text{Bi}(^6\text{He}, \alpha)$, $(^6\text{He}, n\alpha)$, $E=23.1$ MeV; measured $E\alpha$, $E\nu$, $n\alpha$ -coin, angular distributions following residual nucleus decay; deduced two-neutron transfer σ . JOUR PRVCA 71 051601
- ^{210}Po 2005HE13 NUCLEAR REACTIONS $^{209}\text{Bi}(\alpha, 2n)$, $(\alpha, 3n)$, $(\alpha, 2np)$, $E \approx 20-40$ MeV; measured σ ; deduced thick-target yields. Stacked-foil activation, comparison with model predictions. JOUR ARISE 63 1
- ^{210}At 2005HE13 NUCLEAR REACTIONS $^{209}\text{Bi}(\alpha, 2n)$, $(\alpha, 3n)$, $(\alpha, 2np)$, $E \approx 20-40$ MeV; measured σ ; deduced thick-target yields. Stacked-foil activation, comparison with model predictions. JOUR ARISE 63 1
- 2005LI17 RADIOACTIVITY $^{216,217,221,222}\text{Th}$, ^{216}Ac , ^{215}Ra , ^{214}Fr , $^{213}\text{Rn}(\alpha)$ [from $\text{Be}(^{238}\text{U}, X)$ and subsequent decay]; measured $E\alpha$, $T_{1/2}$. Fragment separator. JOUR NIMAE 543 591
- ^{210}Rn 2005P010 NUCLEAR REACTIONS $^{198}\text{Pt}(^{17}\text{O}, 5n)$, $E=96$ MeV; measured prompt and delayed $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, $E(\text{ce})$, $I(\text{ce})$. ^{210}Rn deduced high-spin levels, J , π , ICC, configurations. Enriched target, pulsed beam, superconducting electron spectrometer. JOUR NUPAB 756 83

A=210 (continued)

- 2005POZZ NUCLEAR REACTIONS $^{198}\text{Pt}(^{17}\text{O}, 5n)$, $E=96$ MeV; measured prompt and delayed $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, $E(\text{ce})$, $I(\text{ce})$. ^{210}Rn deduced high-spin levels, J , π , ICC, configurations. Pulsed beam. PREPRINT ANU-P/1649,Poletti
- ^{210}Ac 2005LI17 NUCLEAR REACTIONS $\text{Be}(^{238}\text{U}, \text{X})^{207}\text{Ac} / ^{208}\text{Ac} / ^{209}\text{Ac} / ^{210}\text{Ac} / ^{211}\text{Ac} / ^{212}\text{Ac} / ^{213}\text{Ac} / ^{214}\text{Ac} / ^{215}\text{Ac} / ^{216}\text{Ac} / ^{217}\text{Ac} / ^{218}\text{Ac} / ^{219}\text{Ac} / ^{220}\text{Ac} / ^{221}\text{Ac} / ^{211}\text{Th} / ^{212}\text{Th} / ^{213}\text{Th} / ^{214}\text{Th} / ^{215}\text{Th} / ^{216}\text{Th} / ^{217}\text{Th} / ^{218}\text{Th} / ^{219}\text{Th} / ^{220}\text{Th} / ^{221}\text{Th} / ^{222}\text{Th} / ^{223}\text{Th} / ^{216}\text{Pa} / ^{217}\text{Pa} / ^{218}\text{Pa} / ^{219}\text{Pa} / ^{220}\text{Pa} / ^{221}\text{Pa} / ^{222}\text{Pa} / ^{223}\text{Pa} / ^{224}\text{Pa} / ^{225}\text{Pa} / ^{226}\text{Pa} / ^{227}\text{Pa}$, $E=1$ GeV / nucleon; measured (fragment)(decay)-coin, fragment yields. Fragment separator. JOUR NIMAE 543 591

A=211

- ^{211}Bi 2005DE16 NUCLEAR REACTIONS $^{209}\text{Bi}(^6\text{He}, \alpha)$, $(^6\text{He}, n\alpha)$, $E=23.1$ MeV; measured $E\alpha$, $E\nu$, $n\alpha$ -coin, angular distributions following residual nucleus decay; deduced two-neutron transfer σ . JOUR PRVCA 71 051601
- ^{211}At 2005HE13 NUCLEAR REACTIONS $^{209}\text{Bi}(\alpha, 2n)$, $(\alpha, 3n)$, $(\alpha, 2np)$, $E \approx 20$ -40 MeV; measured σ ; deduced thick-target yields. Stacked-foil activation, comparison with model predictions. JOUR ARISE 63 1
- ^{211}Rn 2005LI17 RADIOACTIVITY $^{216,217,221,222}\text{Th}$, ^{216}Ac , ^{215}Ra , ^{214}Fr , $^{213}\text{Rn}(\alpha)$ [from $\text{Be}(^{238}\text{U}, \text{X})$ and subsequent decay]; measured $E\alpha$, $T_{1/2}$. Fragment separator. JOUR NIMAE 543 591
- ^{211}Ac 2005LI17 NUCLEAR REACTIONS $\text{Be}(^{238}\text{U}, \text{X})^{207}\text{Ac} / ^{208}\text{Ac} / ^{209}\text{Ac} / ^{210}\text{Ac} / ^{211}\text{Ac} / ^{212}\text{Ac} / ^{213}\text{Ac} / ^{214}\text{Ac} / ^{215}\text{Ac} / ^{216}\text{Ac} / ^{217}\text{Ac} / ^{218}\text{Ac} / ^{219}\text{Ac} / ^{220}\text{Ac} / ^{221}\text{Ac} / ^{211}\text{Th} / ^{212}\text{Th} / ^{213}\text{Th} / ^{214}\text{Th} / ^{215}\text{Th} / ^{216}\text{Th} / ^{217}\text{Th} / ^{218}\text{Th} / ^{219}\text{Th} / ^{220}\text{Th} / ^{221}\text{Th} / ^{222}\text{Th} / ^{223}\text{Th} / ^{216}\text{Pa} / ^{217}\text{Pa} / ^{218}\text{Pa} / ^{219}\text{Pa} / ^{220}\text{Pa} / ^{221}\text{Pa} / ^{222}\text{Pa} / ^{223}\text{Pa} / ^{224}\text{Pa} / ^{225}\text{Pa} / ^{226}\text{Pa} / ^{227}\text{Pa}$, $E=1$ GeV / nucleon; measured (fragment)(decay)-coin, fragment yields. Fragment separator. JOUR NIMAE 543 591
- ^{211}Th 2005LI17 NUCLEAR REACTIONS $\text{Be}(^{238}\text{U}, \text{X})^{207}\text{Ac} / ^{208}\text{Ac} / ^{209}\text{Ac} / ^{210}\text{Ac} / ^{211}\text{Ac} / ^{212}\text{Ac} / ^{213}\text{Ac} / ^{214}\text{Ac} / ^{215}\text{Ac} / ^{216}\text{Ac} / ^{217}\text{Ac} / ^{218}\text{Ac} / ^{219}\text{Ac} / ^{220}\text{Ac} / ^{221}\text{Ac} / ^{211}\text{Th} / ^{212}\text{Th} / ^{213}\text{Th} / ^{214}\text{Th} / ^{215}\text{Th} / ^{216}\text{Th} / ^{217}\text{Th} / ^{218}\text{Th} / ^{219}\text{Th} / ^{220}\text{Th} / ^{221}\text{Th} / ^{222}\text{Th} / ^{223}\text{Th} / ^{216}\text{Pa} / ^{217}\text{Pa} / ^{218}\text{Pa} / ^{219}\text{Pa} / ^{220}\text{Pa} / ^{221}\text{Pa} / ^{222}\text{Pa} / ^{223}\text{Pa} / ^{224}\text{Pa} / ^{225}\text{Pa} / ^{226}\text{Pa} / ^{227}\text{Pa}$, $E=1$ GeV / nucleon; measured (fragment)(decay)-coin, fragment yields. Fragment separator. JOUR NIMAE 543 591

A=212

- ^{212}Bi 2005BE38 NUCLEAR REACTIONS C , ^{27}Al , $^{208}\text{Pb}(^8\text{Li}, \alpha)$, $E=27.7$ MeV; measured $E\alpha$, $\sigma(\theta)$; deduced reaction mechanism features. JOUR PRVCA 71 054610
- ^{212}Fr 2005LI17 RADIOACTIVITY $^{216,217,221,222}\text{Th}$, ^{216}Ac , ^{215}Ra , ^{214}Fr , $^{213}\text{Rn}(\alpha)$ [from $\text{Be}(^{238}\text{U}, \text{X})$ and subsequent decay]; measured $E\alpha$, $T_{1/2}$. Fragment separator. JOUR NIMAE 543 591

A=212 (continued)

- ^{212}Ra 2005KUZZ RADIOACTIVITY $^{216,216m}\text{Th}(\alpha)$, (IT) [from $^{170}\text{Er}(^{50}\text{Ti}, 4n)$]; $^{251,251m}\text{No}$, $^{247,247m}\text{Fm}(\alpha)$ [from $^{206}\text{Pb}(^{48}\text{Ca}, 3n)$ and subsequent decay]; $^{257,257m}\text{Db}$, $^{253,253m}\text{Lr}$, $^{249}\text{Md}(\alpha)$ [from $^{209}\text{Bi}(^{50}\text{Ti}, 2n)$ and subsequent decay]; measured $E\alpha$, $E\gamma$, $\alpha\gamma$ -coin, $T_{1/2}$. CONF Argonne(Nuclei at the Limits),P231,Kuusiniemi
- 2005LI17 RADIOACTIVITY $^{216,217,221,222}\text{Th}$, ^{216}Ac , ^{215}Ra , ^{214}Fr , $^{213}\text{Rn}(\alpha)$ [from $\text{Be}(^{238}\text{U}, X)$ and subsequent decay]; measured $E\alpha$, $T_{1/2}$. Fragment separator. JOUR NIMAE 543 591
- ^{212}Ac 2005LI17 NUCLEAR REACTIONS $\text{Be}(^{238}\text{U}, X)^{207}\text{Ac} / ^{208}\text{Ac} / ^{209}\text{Ac} / ^{210}\text{Ac} / ^{211}\text{Ac} / ^{212}\text{Ac} / ^{213}\text{Ac} / ^{214}\text{Ac} / ^{215}\text{Ac} / ^{216}\text{Ac} / ^{217}\text{Ac} / ^{218}\text{Ac} / ^{219}\text{Ac} / ^{220}\text{Ac} / ^{221}\text{Ac} / ^{211}\text{Th} / ^{212}\text{Th} / ^{213}\text{Th} / ^{214}\text{Th} / ^{215}\text{Th} / ^{216}\text{Th} / ^{217}\text{Th} / ^{218}\text{Th} / ^{219}\text{Th} / ^{220}\text{Th} / ^{221}\text{Th} / ^{222}\text{Th} / ^{223}\text{Th} / ^{216}\text{Pa} / ^{217}\text{Pa} / ^{218}\text{Pa} / ^{219}\text{Pa} / ^{220}\text{Pa} / ^{221}\text{Pa} / ^{222}\text{Pa} / ^{223}\text{Pa} / ^{224}\text{Pa} / ^{225}\text{Pa} / ^{226}\text{Pa} / ^{227}\text{Pa}$, $E=1$ GeV / nucleon; measured (fragment)(decay)-coin, fragment yields. Fragment separator. JOUR NIMAE 543 591
- ^{212}Th 2005LI17 NUCLEAR REACTIONS $\text{Be}(^{238}\text{U}, X)^{207}\text{Ac} / ^{208}\text{Ac} / ^{209}\text{Ac} / ^{210}\text{Ac} / ^{211}\text{Ac} / ^{212}\text{Ac} / ^{213}\text{Ac} / ^{214}\text{Ac} / ^{215}\text{Ac} / ^{216}\text{Ac} / ^{217}\text{Ac} / ^{218}\text{Ac} / ^{219}\text{Ac} / ^{220}\text{Ac} / ^{221}\text{Ac} / ^{211}\text{Th} / ^{212}\text{Th} / ^{213}\text{Th} / ^{214}\text{Th} / ^{215}\text{Th} / ^{216}\text{Th} / ^{217}\text{Th} / ^{218}\text{Th} / ^{219}\text{Th} / ^{220}\text{Th} / ^{221}\text{Th} / ^{222}\text{Th} / ^{223}\text{Th} / ^{216}\text{Pa} / ^{217}\text{Pa} / ^{218}\text{Pa} / ^{219}\text{Pa} / ^{220}\text{Pa} / ^{221}\text{Pa} / ^{222}\text{Pa} / ^{223}\text{Pa} / ^{224}\text{Pa} / ^{225}\text{Pa} / ^{226}\text{Pa} / ^{227}\text{Pa}$, $E=1$ GeV / nucleon; measured (fragment)(decay)-coin, fragment yields. Fragment separator. JOUR NIMAE 543 591

A=213

- ^{213}Rn 2005LI17 RADIOACTIVITY $^{216,217,221,222}\text{Th}$, ^{216}Ac , ^{215}Ra , ^{214}Fr , $^{213}\text{Rn}(\alpha)$ [from $\text{Be}(^{238}\text{U}, X)$ and subsequent decay]; measured $E\alpha$, $T_{1/2}$. Fragment separator. JOUR NIMAE 543 591
- ^{213}Ra 2005LI17 RADIOACTIVITY $^{216,217,221,222}\text{Th}$, ^{216}Ac , ^{215}Ra , ^{214}Fr , $^{213}\text{Rn}(\alpha)$ [from $\text{Be}(^{238}\text{U}, X)$ and subsequent decay]; measured $E\alpha$, $T_{1/2}$. Fragment separator. JOUR NIMAE 543 591
- ^{213}Ac 2005LI17 NUCLEAR REACTIONS $\text{Be}(^{238}\text{U}, X)^{207}\text{Ac} / ^{208}\text{Ac} / ^{209}\text{Ac} / ^{210}\text{Ac} / ^{211}\text{Ac} / ^{212}\text{Ac} / ^{213}\text{Ac} / ^{214}\text{Ac} / ^{215}\text{Ac} / ^{216}\text{Ac} / ^{217}\text{Ac} / ^{218}\text{Ac} / ^{219}\text{Ac} / ^{220}\text{Ac} / ^{221}\text{Ac} / ^{211}\text{Th} / ^{212}\text{Th} / ^{213}\text{Th} / ^{214}\text{Th} / ^{215}\text{Th} / ^{216}\text{Th} / ^{217}\text{Th} / ^{218}\text{Th} / ^{219}\text{Th} / ^{220}\text{Th} / ^{221}\text{Th} / ^{222}\text{Th} / ^{223}\text{Th} / ^{216}\text{Pa} / ^{217}\text{Pa} / ^{218}\text{Pa} / ^{219}\text{Pa} / ^{220}\text{Pa} / ^{221}\text{Pa} / ^{222}\text{Pa} / ^{223}\text{Pa} / ^{224}\text{Pa} / ^{225}\text{Pa} / ^{226}\text{Pa} / ^{227}\text{Pa}$, $E=1$ GeV / nucleon; measured (fragment)(decay)-coin, fragment yields. Fragment separator. JOUR NIMAE 543 591
- ^{213}Th 2005LI17 NUCLEAR REACTIONS $\text{Be}(^{238}\text{U}, X)^{207}\text{Ac} / ^{208}\text{Ac} / ^{209}\text{Ac} / ^{210}\text{Ac} / ^{211}\text{Ac} / ^{212}\text{Ac} / ^{213}\text{Ac} / ^{214}\text{Ac} / ^{215}\text{Ac} / ^{216}\text{Ac} / ^{217}\text{Ac} / ^{218}\text{Ac} / ^{219}\text{Ac} / ^{220}\text{Ac} / ^{221}\text{Ac} / ^{211}\text{Th} / ^{212}\text{Th} / ^{213}\text{Th} / ^{214}\text{Th} / ^{215}\text{Th} / ^{216}\text{Th} / ^{217}\text{Th} / ^{218}\text{Th} / ^{219}\text{Th} / ^{220}\text{Th} / ^{221}\text{Th} / ^{222}\text{Th} / ^{223}\text{Th} / ^{216}\text{Pa} / ^{217}\text{Pa} / ^{218}\text{Pa} / ^{219}\text{Pa} / ^{220}\text{Pa} / ^{221}\text{Pa} / ^{222}\text{Pa} / ^{223}\text{Pa} / ^{224}\text{Pa} / ^{225}\text{Pa} / ^{226}\text{Pa} / ^{227}\text{Pa}$, $E=1$ GeV / nucleon; measured (fragment)(decay)-coin, fragment yields. Fragment separator. JOUR NIMAE 543 591

A=214

- ²¹⁴Fr 2005LI17 RADIOACTIVITY ^{216,217,221,222}Th, ²¹⁶Ac, ²¹⁵Ra, ²¹⁴Fr, ²¹³Rn(α)
[from Be(²³⁸U, X) and subsequent decay]; measured E α , T_{1/2}.
Fragment separator. JOUR NIMAE 543 591
- ²¹⁴Ac 2005LI17 NUCLEAR REACTIONS Be(²³⁸U, X)²⁰⁷Ac / ²⁰⁸Ac / ²⁰⁹Ac / ²¹⁰Ac /
²¹¹Ac / ²¹²Ac / ²¹³Ac / ²¹⁴Ac / ²¹⁵Ac / ²¹⁶Ac / ²¹⁷Ac / ²¹⁸Ac / ²¹⁹Ac /
/ ²²⁰Ac / ²²¹Ac / ²¹¹Th / ²¹²Th / ²¹³Th / ²¹⁴Th / ²¹⁵Th / ²¹⁶Th /
²¹⁷Th / ²¹⁸Th / ²¹⁹Th / ²²⁰Th / ²²¹Th / ²²²Th / ²²³Th / ²¹⁶Pa /
²¹⁷Pa / ²¹⁸Pa / ²¹⁹Pa / ²²⁰Pa / ²²¹Pa / ²²²Pa / ²²³Pa / ²²⁴Pa / ²²⁵Pa /
²²⁶Pa / ²²⁷Pa, E=1 GeV / nucleon; measured (fragment)(decay)-coin,
fragment yields. Fragment separator. JOUR NIMAE 543 591
- ²¹⁴Th 2005LI17 NUCLEAR REACTIONS Be(²³⁸U, X)²⁰⁷Ac / ²⁰⁸Ac / ²⁰⁹Ac / ²¹⁰Ac /
²¹¹Ac / ²¹²Ac / ²¹³Ac / ²¹⁴Ac / ²¹⁵Ac / ²¹⁶Ac / ²¹⁷Ac / ²¹⁸Ac / ²¹⁹Ac /
/ ²²⁰Ac / ²²¹Ac / ²¹¹Th / ²¹²Th / ²¹³Th / ²¹⁴Th / ²¹⁵Th / ²¹⁶Th /
²¹⁷Th / ²¹⁸Th / ²¹⁹Th / ²²⁰Th / ²²¹Th / ²²²Th / ²²³Th / ²¹⁶Pa /
²¹⁷Pa / ²¹⁸Pa / ²¹⁹Pa / ²²⁰Pa / ²²¹Pa / ²²²Pa / ²²³Pa / ²²⁴Pa / ²²⁵Pa /
²²⁶Pa / ²²⁷Pa, E=1 GeV / nucleon; measured (fragment)(decay)-coin,
fragment yields. Fragment separator. JOUR NIMAE 543 591

A=215

- ²¹⁵Ra 2005LI17 RADIOACTIVITY ^{216,217,221,222}Th, ²¹⁶Ac, ²¹⁵Ra, ²¹⁴Fr, ²¹³Rn(α)
[from Be(²³⁸U, X) and subsequent decay]; measured E α , T_{1/2}.
Fragment separator. JOUR NIMAE 543 591
- ²¹⁵Ac 2005LI17 NUCLEAR REACTIONS Be(²³⁸U, X)²⁰⁷Ac / ²⁰⁸Ac / ²⁰⁹Ac / ²¹⁰Ac /
²¹¹Ac / ²¹²Ac / ²¹³Ac / ²¹⁴Ac / ²¹⁵Ac / ²¹⁶Ac / ²¹⁷Ac / ²¹⁸Ac / ²¹⁹Ac /
/ ²²⁰Ac / ²²¹Ac / ²¹¹Th / ²¹²Th / ²¹³Th / ²¹⁴Th / ²¹⁵Th / ²¹⁶Th /
²¹⁷Th / ²¹⁸Th / ²¹⁹Th / ²²⁰Th / ²²¹Th / ²²²Th / ²²³Th / ²¹⁶Pa /
²¹⁷Pa / ²¹⁸Pa / ²¹⁹Pa / ²²⁰Pa / ²²¹Pa / ²²²Pa / ²²³Pa / ²²⁴Pa / ²²⁵Pa /
²²⁶Pa / ²²⁷Pa, E=1 GeV / nucleon; measured (fragment)(decay)-coin,
fragment yields. Fragment separator. JOUR NIMAE 543 591
- ²¹⁵Th 2005LI17 NUCLEAR REACTIONS Be(²³⁸U, X)²⁰⁷Ac / ²⁰⁸Ac / ²⁰⁹Ac / ²¹⁰Ac /
²¹¹Ac / ²¹²Ac / ²¹³Ac / ²¹⁴Ac / ²¹⁵Ac / ²¹⁶Ac / ²¹⁷Ac / ²¹⁸Ac / ²¹⁹Ac /
/ ²²⁰Ac / ²²¹Ac / ²¹¹Th / ²¹²Th / ²¹³Th / ²¹⁴Th / ²¹⁵Th / ²¹⁶Th /
²¹⁷Th / ²¹⁸Th / ²¹⁹Th / ²²⁰Th / ²²¹Th / ²²²Th / ²²³Th / ²¹⁶Pa /
²¹⁷Pa / ²¹⁸Pa / ²¹⁹Pa / ²²⁰Pa / ²²¹Pa / ²²²Pa / ²²³Pa / ²²⁴Pa / ²²⁵Pa /
²²⁶Pa / ²²⁷Pa, E=1 GeV / nucleon; measured (fragment)(decay)-coin,
fragment yields. Fragment separator. JOUR NIMAE 543 591

A=216

- ²¹⁶Rn 2005CA23 NUCLEAR REACTIONS ¹⁹⁸Pt(¹⁸O, xn), E=96 MeV; measured
prompt and delayed E γ , I γ . ²¹⁶Rn deduced GDR parameters.
⁶⁸Zn(⁶⁴Ni, X), E=300, 400, 500 MeV; ¹¹⁶Sn(¹⁶O, X), E=130, 250 MeV;
measured E γ , I γ . ¹³²Ce deduced GDR features, entrance channel
effects. JOUR APOBB 36 1145

A=216 (continued)

- ²¹⁶Ac 2005LI17 NUCLEAR REACTIONS Be(²³⁸U, X)²⁰⁷Ac / ²⁰⁸Ac / ²⁰⁹Ac / ²¹⁰Ac / ²¹¹Ac / ²¹²Ac / ²¹³Ac / ²¹⁴Ac / ²¹⁵Ac / ²¹⁶Ac / ²¹⁷Ac / ²¹⁸Ac / ²¹⁹Ac / ²²⁰Ac / ²²¹Ac / ²¹¹Th / ²¹²Th / ²¹³Th / ²¹⁴Th / ²¹⁵Th / ²¹⁶Th / ²¹⁷Th / ²¹⁸Th / ²¹⁹Th / ²²⁰Th / ²²¹Th / ²²²Th / ²²³Th / ²¹⁶Pa / ²¹⁷Pa / ²¹⁸Pa / ²¹⁹Pa / ²²⁰Pa / ²²¹Pa / ²²²Pa / ²²³Pa / ²²⁴Pa / ²²⁵Pa / ²²⁶Pa / ²²⁷Pa, E=1 GeV / nucleon; measured (fragment)(decay)-coin, fragment yields. Fragment separator. JOUR NIMAE 543 591
- 2005LI17 RADIOACTIVITY ^{216,217,221,222}Th, ²¹⁶Ac, ²¹⁵Ra, ²¹⁴Fr, ²¹³Rn(α) [from Be(²³⁸U, X) and subsequent decay]; measured E α , T_{1/2}. Fragment separator. JOUR NIMAE 543 591
- ²¹⁶Th 2005KUZZ RADIOACTIVITY ^{216,216m}Th(α), (IT) [from ¹⁷⁰Er(⁵⁰Ti, 4n)]; ^{251,251m}No, ^{247,247m}Fm(α) [from ²⁰⁶Pb(⁴⁸Ca, 3n) and subsequent decay]; ^{257,257m}Db, ^{253,253m}Lr, ²⁴⁹Md(α) [from ²⁰⁹Bi(⁵⁰Ti, 2n) and subsequent decay]; measured E α , E γ , $\alpha\gamma$ -coin, T_{1/2}. CONF Argonne(Nuclei at the Limits),P231,Kuusiniemi
- 2005LI17 NUCLEAR REACTIONS Be(²³⁸U, X)²⁰⁷Ac / ²⁰⁸Ac / ²⁰⁹Ac / ²¹⁰Ac / ²¹¹Ac / ²¹²Ac / ²¹³Ac / ²¹⁴Ac / ²¹⁵Ac / ²¹⁶Ac / ²¹⁷Ac / ²¹⁸Ac / ²¹⁹Ac / ²²⁰Ac / ²²¹Ac / ²¹¹Th / ²¹²Th / ²¹³Th / ²¹⁴Th / ²¹⁵Th / ²¹⁶Th / ²¹⁷Th / ²¹⁸Th / ²¹⁹Th / ²²⁰Th / ²²¹Th / ²²²Th / ²²³Th / ²¹⁶Pa / ²¹⁷Pa / ²¹⁸Pa / ²¹⁹Pa / ²²⁰Pa / ²²¹Pa / ²²²Pa / ²²³Pa / ²²⁴Pa / ²²⁵Pa / ²²⁶Pa / ²²⁷Pa, E=1 GeV / nucleon; measured (fragment)(decay)-coin, fragment yields. Fragment separator. JOUR NIMAE 543 591
- 2005LI17 RADIOACTIVITY ^{216,217,221,222}Th, ²¹⁶Ac, ²¹⁵Ra, ²¹⁴Fr, ²¹³Rn(α) [from Be(²³⁸U, X) and subsequent decay]; measured E α , T_{1/2}. Fragment separator. JOUR NIMAE 543 591
- ²¹⁶Pa 2005LI17 NUCLEAR REACTIONS Be(²³⁸U, X)²⁰⁷Ac / ²⁰⁸Ac / ²⁰⁹Ac / ²¹⁰Ac / ²¹¹Ac / ²¹²Ac / ²¹³Ac / ²¹⁴Ac / ²¹⁵Ac / ²¹⁶Ac / ²¹⁷Ac / ²¹⁸Ac / ²¹⁹Ac / ²²⁰Ac / ²²¹Ac / ²¹¹Th / ²¹²Th / ²¹³Th / ²¹⁴Th / ²¹⁵Th / ²¹⁶Th / ²¹⁷Th / ²¹⁸Th / ²¹⁹Th / ²²⁰Th / ²²¹Th / ²²²Th / ²²³Th / ²¹⁶Pa / ²¹⁷Pa / ²¹⁸Pa / ²¹⁹Pa / ²²⁰Pa / ²²¹Pa / ²²²Pa / ²²³Pa / ²²⁴Pa / ²²⁵Pa / ²²⁶Pa / ²²⁷Pa, E=1 GeV / nucleon; measured (fragment)(decay)-coin, fragment yields. Fragment separator. JOUR NIMAE 543 591

A=217

- ²¹⁷Ra 2005LI17 RADIOACTIVITY ^{216,217,221,222}Th, ²¹⁶Ac, ²¹⁵Ra, ²¹⁴Fr, ²¹³Rn(α) [from Be(²³⁸U, X) and subsequent decay]; measured E α , T_{1/2}. Fragment separator. JOUR NIMAE 543 591
- ²¹⁷Ac 2005LI17 NUCLEAR REACTIONS Be(²³⁸U, X)²⁰⁷Ac / ²⁰⁸Ac / ²⁰⁹Ac / ²¹⁰Ac / ²¹¹Ac / ²¹²Ac / ²¹³Ac / ²¹⁴Ac / ²¹⁵Ac / ²¹⁶Ac / ²¹⁷Ac / ²¹⁸Ac / ²¹⁹Ac / ²²⁰Ac / ²²¹Ac / ²¹¹Th / ²¹²Th / ²¹³Th / ²¹⁴Th / ²¹⁵Th / ²¹⁶Th / ²¹⁷Th / ²¹⁸Th / ²¹⁹Th / ²²⁰Th / ²²¹Th / ²²²Th / ²²³Th / ²¹⁶Pa / ²¹⁷Pa / ²¹⁸Pa / ²¹⁹Pa / ²²⁰Pa / ²²¹Pa / ²²²Pa / ²²³Pa / ²²⁴Pa / ²²⁵Pa / ²²⁶Pa / ²²⁷Pa, E=1 GeV / nucleon; measured (fragment)(decay)-coin, fragment yields. Fragment separator. JOUR NIMAE 543 591

A=217 (continued)

- ²¹⁷Th 2005LI17 NUCLEAR REACTIONS Be(²³⁸U, X)²⁰⁷Ac / ²⁰⁸Ac / ²⁰⁹Ac / ²¹⁰Ac / ²¹¹Ac / ²¹²Ac / ²¹³Ac / ²¹⁴Ac / ²¹⁵Ac / ²¹⁶Ac / ²¹⁷Ac / ²¹⁸Ac / ²¹⁹Ac / ²²⁰Ac / ²²¹Ac / ²¹¹Th / ²¹²Th / ²¹³Th / ²¹⁴Th / ²¹⁵Th / ²¹⁶Th / ²¹⁷Th / ²¹⁸Th / ²¹⁹Th / ²²⁰Th / ²²¹Th / ²²²Th / ²²³Th / ²¹⁶Pa / ²¹⁷Pa / ²¹⁸Pa / ²¹⁹Pa / ²²⁰Pa / ²²¹Pa / ²²²Pa / ²²³Pa / ²²⁴Pa / ²²⁵Pa / ²²⁶Pa / ²²⁷Pa, E=1 GeV / nucleon; measured (fragment)(decay)-coin, fragment yields. Fragment separator. JOUR NIMAE 543 591
- 2005LI17 RADIOACTIVITY ^{216,217,221,222}Th, ²¹⁶Ac, ²¹⁵Ra, ²¹⁴Fr, ²¹³Rn(α) [from Be(²³⁸U, X) and subsequent decay]; measured E α , T_{1/2}. Fragment separator. JOUR NIMAE 543 591
- ²¹⁷Pa 2005LI17 NUCLEAR REACTIONS Be(²³⁸U, X)²⁰⁷Ac / ²⁰⁸Ac / ²⁰⁹Ac / ²¹⁰Ac / ²¹¹Ac / ²¹²Ac / ²¹³Ac / ²¹⁴Ac / ²¹⁵Ac / ²¹⁶Ac / ²¹⁷Ac / ²¹⁸Ac / ²¹⁹Ac / ²²⁰Ac / ²²¹Ac / ²¹¹Th / ²¹²Th / ²¹³Th / ²¹⁴Th / ²¹⁵Th / ²¹⁶Th / ²¹⁷Th / ²¹⁸Th / ²¹⁹Th / ²²⁰Th / ²²¹Th / ²²²Th / ²²³Th / ²¹⁶Pa / ²¹⁷Pa / ²¹⁸Pa / ²¹⁹Pa / ²²⁰Pa / ²²¹Pa / ²²²Pa / ²²³Pa / ²²⁴Pa / ²²⁵Pa / ²²⁶Pa / ²²⁷Pa, E=1 GeV / nucleon; measured (fragment)(decay)-coin, fragment yields. Fragment separator. JOUR NIMAE 543 591

A=218

- ²¹⁸Ra 2005LI17 RADIOACTIVITY ^{216,217,221,222}Th, ²¹⁶Ac, ²¹⁵Ra, ²¹⁴Fr, ²¹³Rn(α) [from Be(²³⁸U, X) and subsequent decay]; measured E α , T_{1/2}. Fragment separator. JOUR NIMAE 543 591
- ²¹⁸Ac 2005LI17 NUCLEAR REACTIONS Be(²³⁸U, X)²⁰⁷Ac / ²⁰⁸Ac / ²⁰⁹Ac / ²¹⁰Ac / ²¹¹Ac / ²¹²Ac / ²¹³Ac / ²¹⁴Ac / ²¹⁵Ac / ²¹⁶Ac / ²¹⁷Ac / ²¹⁸Ac / ²¹⁹Ac / ²²⁰Ac / ²²¹Ac / ²¹¹Th / ²¹²Th / ²¹³Th / ²¹⁴Th / ²¹⁵Th / ²¹⁶Th / ²¹⁷Th / ²¹⁸Th / ²¹⁹Th / ²²⁰Th / ²²¹Th / ²²²Th / ²²³Th / ²¹⁶Pa / ²¹⁷Pa / ²¹⁸Pa / ²¹⁹Pa / ²²⁰Pa / ²²¹Pa / ²²²Pa / ²²³Pa / ²²⁴Pa / ²²⁵Pa / ²²⁶Pa / ²²⁷Pa, E=1 GeV / nucleon; measured (fragment)(decay)-coin, fragment yields. Fragment separator. JOUR NIMAE 543 591
- ²¹⁸Th 2005LI17 NUCLEAR REACTIONS Be(²³⁸U, X)²⁰⁷Ac / ²⁰⁸Ac / ²⁰⁹Ac / ²¹⁰Ac / ²¹¹Ac / ²¹²Ac / ²¹³Ac / ²¹⁴Ac / ²¹⁵Ac / ²¹⁶Ac / ²¹⁷Ac / ²¹⁸Ac / ²¹⁹Ac / ²²⁰Ac / ²²¹Ac / ²¹¹Th / ²¹²Th / ²¹³Th / ²¹⁴Th / ²¹⁵Th / ²¹⁶Th / ²¹⁷Th / ²¹⁸Th / ²¹⁹Th / ²²⁰Th / ²²¹Th / ²²²Th / ²²³Th / ²¹⁶Pa / ²¹⁷Pa / ²¹⁸Pa / ²¹⁹Pa / ²²⁰Pa / ²²¹Pa / ²²²Pa / ²²³Pa / ²²⁴Pa / ²²⁵Pa / ²²⁶Pa / ²²⁷Pa, E=1 GeV / nucleon; measured (fragment)(decay)-coin, fragment yields. Fragment separator. JOUR NIMAE 543 591
- ²¹⁸Pa 2005LI17 NUCLEAR REACTIONS Be(²³⁸U, X)²⁰⁷Ac / ²⁰⁸Ac / ²⁰⁹Ac / ²¹⁰Ac / ²¹¹Ac / ²¹²Ac / ²¹³Ac / ²¹⁴Ac / ²¹⁵Ac / ²¹⁶Ac / ²¹⁷Ac / ²¹⁸Ac / ²¹⁹Ac / ²²⁰Ac / ²²¹Ac / ²¹¹Th / ²¹²Th / ²¹³Th / ²¹⁴Th / ²¹⁵Th / ²¹⁶Th / ²¹⁷Th / ²¹⁸Th / ²¹⁹Th / ²²⁰Th / ²²¹Th / ²²²Th / ²²³Th / ²¹⁶Pa / ²¹⁷Pa / ²¹⁸Pa / ²¹⁹Pa / ²²⁰Pa / ²²¹Pa / ²²²Pa / ²²³Pa / ²²⁴Pa / ²²⁵Pa / ²²⁶Pa / ²²⁷Pa, E=1 GeV / nucleon; measured (fragment)(decay)-coin, fragment yields. Fragment separator. JOUR NIMAE 543 591

A=219

^{219}Rn	2005J0ZY	RADIOACTIVITY $^{227,228}\text{Th}$, $^{223,224}\text{Ra}(\alpha)$; measured $E\gamma$, $\alpha\gamma$ -coin, γ -ray linear polarization. CONF Argonne(Nuclei at the Limits),P348,Jones
^{219}Ac	2005LI17	NUCLEAR REACTIONS $\text{Be}(^{238}\text{U}, \text{X})^{207}\text{Ac} / ^{208}\text{Ac} / ^{209}\text{Ac} / ^{210}\text{Ac} / ^{211}\text{Ac} / ^{212}\text{Ac} / ^{213}\text{Ac} / ^{214}\text{Ac} / ^{215}\text{Ac} / ^{216}\text{Ac} / ^{217}\text{Ac} / ^{218}\text{Ac} / ^{219}\text{Ac} / ^{220}\text{Ac} / ^{221}\text{Ac} / ^{211}\text{Th} / ^{212}\text{Th} / ^{213}\text{Th} / ^{214}\text{Th} / ^{215}\text{Th} / ^{216}\text{Th} / ^{217}\text{Th} / ^{218}\text{Th} / ^{219}\text{Th} / ^{220}\text{Th} / ^{221}\text{Th} / ^{222}\text{Th} / ^{223}\text{Th} / ^{216}\text{Pa} / ^{217}\text{Pa} / ^{218}\text{Pa} / ^{219}\text{Pa} / ^{220}\text{Pa} / ^{221}\text{Pa} / ^{222}\text{Pa} / ^{223}\text{Pa} / ^{224}\text{Pa} / ^{225}\text{Pa} / ^{226}\text{Pa} / ^{227}\text{Pa}$, E=1 GeV / nucleon; measured (fragment)(decay)-coin, fragment yields. Fragment separator. JOUR NIMAE 543 591
^{219}Th	2005LI17	NUCLEAR REACTIONS $\text{Be}(^{238}\text{U}, \text{X})^{207}\text{Ac} / ^{208}\text{Ac} / ^{209}\text{Ac} / ^{210}\text{Ac} / ^{211}\text{Ac} / ^{212}\text{Ac} / ^{213}\text{Ac} / ^{214}\text{Ac} / ^{215}\text{Ac} / ^{216}\text{Ac} / ^{217}\text{Ac} / ^{218}\text{Ac} / ^{219}\text{Ac} / ^{220}\text{Ac} / ^{221}\text{Ac} / ^{211}\text{Th} / ^{212}\text{Th} / ^{213}\text{Th} / ^{214}\text{Th} / ^{215}\text{Th} / ^{216}\text{Th} / ^{217}\text{Th} / ^{218}\text{Th} / ^{219}\text{Th} / ^{220}\text{Th} / ^{221}\text{Th} / ^{222}\text{Th} / ^{223}\text{Th} / ^{216}\text{Pa} / ^{217}\text{Pa} / ^{218}\text{Pa} / ^{219}\text{Pa} / ^{220}\text{Pa} / ^{221}\text{Pa} / ^{222}\text{Pa} / ^{223}\text{Pa} / ^{224}\text{Pa} / ^{225}\text{Pa} / ^{226}\text{Pa} / ^{227}\text{Pa}$, E=1 GeV / nucleon; measured (fragment)(decay)-coin, fragment yields. Fragment separator. JOUR NIMAE 543 591
^{219}Pa	2005LI17	NUCLEAR REACTIONS $\text{Be}(^{238}\text{U}, \text{X})^{207}\text{Ac} / ^{208}\text{Ac} / ^{209}\text{Ac} / ^{210}\text{Ac} / ^{211}\text{Ac} / ^{212}\text{Ac} / ^{213}\text{Ac} / ^{214}\text{Ac} / ^{215}\text{Ac} / ^{216}\text{Ac} / ^{217}\text{Ac} / ^{218}\text{Ac} / ^{219}\text{Ac} / ^{220}\text{Ac} / ^{221}\text{Ac} / ^{211}\text{Th} / ^{212}\text{Th} / ^{213}\text{Th} / ^{214}\text{Th} / ^{215}\text{Th} / ^{216}\text{Th} / ^{217}\text{Th} / ^{218}\text{Th} / ^{219}\text{Th} / ^{220}\text{Th} / ^{221}\text{Th} / ^{222}\text{Th} / ^{223}\text{Th} / ^{216}\text{Pa} / ^{217}\text{Pa} / ^{218}\text{Pa} / ^{219}\text{Pa} / ^{220}\text{Pa} / ^{221}\text{Pa} / ^{222}\text{Pa} / ^{223}\text{Pa} / ^{224}\text{Pa} / ^{225}\text{Pa} / ^{226}\text{Pa} / ^{227}\text{Pa}$, E=1 GeV / nucleon; measured (fragment)(decay)-coin, fragment yields. Fragment separator. JOUR NIMAE 543 591

A=220

^{220}Rn	2005J0ZY	RADIOACTIVITY $^{227,228}\text{Th}$, $^{223,224}\text{Ra}(\alpha)$; measured $E\gamma$, $\alpha\gamma$ -coin, γ -ray linear polarization. CONF Argonne(Nuclei at the Limits),P348,Jones
^{220}Ac	2005LI17	NUCLEAR REACTIONS $\text{Be}(^{238}\text{U}, \text{X})^{207}\text{Ac} / ^{208}\text{Ac} / ^{209}\text{Ac} / ^{210}\text{Ac} / ^{211}\text{Ac} / ^{212}\text{Ac} / ^{213}\text{Ac} / ^{214}\text{Ac} / ^{215}\text{Ac} / ^{216}\text{Ac} / ^{217}\text{Ac} / ^{218}\text{Ac} / ^{219}\text{Ac} / ^{220}\text{Ac} / ^{221}\text{Ac} / ^{211}\text{Th} / ^{212}\text{Th} / ^{213}\text{Th} / ^{214}\text{Th} / ^{215}\text{Th} / ^{216}\text{Th} / ^{217}\text{Th} / ^{218}\text{Th} / ^{219}\text{Th} / ^{220}\text{Th} / ^{221}\text{Th} / ^{222}\text{Th} / ^{223}\text{Th} / ^{216}\text{Pa} / ^{217}\text{Pa} / ^{218}\text{Pa} / ^{219}\text{Pa} / ^{220}\text{Pa} / ^{221}\text{Pa} / ^{222}\text{Pa} / ^{223}\text{Pa} / ^{224}\text{Pa} / ^{225}\text{Pa} / ^{226}\text{Pa} / ^{227}\text{Pa}$, E=1 GeV / nucleon; measured (fragment)(decay)-coin, fragment yields. Fragment separator. JOUR NIMAE 543 591
^{220}Th	2005LI17	NUCLEAR REACTIONS $\text{Be}(^{238}\text{U}, \text{X})^{207}\text{Ac} / ^{208}\text{Ac} / ^{209}\text{Ac} / ^{210}\text{Ac} / ^{211}\text{Ac} / ^{212}\text{Ac} / ^{213}\text{Ac} / ^{214}\text{Ac} / ^{215}\text{Ac} / ^{216}\text{Ac} / ^{217}\text{Ac} / ^{218}\text{Ac} / ^{219}\text{Ac} / ^{220}\text{Ac} / ^{221}\text{Ac} / ^{211}\text{Th} / ^{212}\text{Th} / ^{213}\text{Th} / ^{214}\text{Th} / ^{215}\text{Th} / ^{216}\text{Th} / ^{217}\text{Th} / ^{218}\text{Th} / ^{219}\text{Th} / ^{220}\text{Th} / ^{221}\text{Th} / ^{222}\text{Th} / ^{223}\text{Th} / ^{216}\text{Pa} / ^{217}\text{Pa} / ^{218}\text{Pa} / ^{219}\text{Pa} / ^{220}\text{Pa} / ^{221}\text{Pa} / ^{222}\text{Pa} / ^{223}\text{Pa} / ^{224}\text{Pa} / ^{225}\text{Pa} / ^{226}\text{Pa} / ^{227}\text{Pa}$, E=1 GeV / nucleon; measured (fragment)(decay)-coin, fragment yields. Fragment separator. JOUR NIMAE 543 591

A=220 (continued)

²²⁰Pa 2005LI17 NUCLEAR REACTIONS Be(²³⁸U, X)²⁰⁷Ac / ²⁰⁸Ac / ²⁰⁹Ac / ²¹⁰Ac / ²¹¹Ac / ²¹²Ac / ²¹³Ac / ²¹⁴Ac / ²¹⁵Ac / ²¹⁶Ac / ²¹⁷Ac / ²¹⁸Ac / ²¹⁹Ac / ²²⁰Ac / ²²¹Ac / ²¹¹Th / ²¹²Th / ²¹³Th / ²¹⁴Th / ²¹⁵Th / ²¹⁶Th / ²¹⁷Th / ²¹⁸Th / ²¹⁹Th / ²²⁰Th / ²²¹Th / ²²²Th / ²²³Th / ²¹⁶Pa / ²¹⁷Pa / ²¹⁸Pa / ²¹⁹Pa / ²²⁰Pa / ²²¹Pa / ²²²Pa / ²²³Pa / ²²⁴Pa / ²²⁵Pa / ²²⁶Pa / ²²⁷Pa, E=1 GeV / nucleon; measured (fragment)(decay)-coin, fragment yields. Fragment separator. JOUR NIMAE 543 591

A=221

²²¹Ac 2005LI17 NUCLEAR REACTIONS Be(²³⁸U, X)²⁰⁷Ac / ²⁰⁸Ac / ²⁰⁹Ac / ²¹⁰Ac / ²¹¹Ac / ²¹²Ac / ²¹³Ac / ²¹⁴Ac / ²¹⁵Ac / ²¹⁶Ac / ²¹⁷Ac / ²¹⁸Ac / ²¹⁹Ac / ²²⁰Ac / ²²¹Ac / ²¹¹Th / ²¹²Th / ²¹³Th / ²¹⁴Th / ²¹⁵Th / ²¹⁶Th / ²¹⁷Th / ²¹⁸Th / ²¹⁹Th / ²²⁰Th / ²²¹Th / ²²²Th / ²²³Th / ²¹⁶Pa / ²¹⁷Pa / ²¹⁸Pa / ²¹⁹Pa / ²²⁰Pa / ²²¹Pa / ²²²Pa / ²²³Pa / ²²⁴Pa / ²²⁵Pa / ²²⁶Pa / ²²⁷Pa, E=1 GeV / nucleon; measured (fragment)(decay)-coin, fragment yields. Fragment separator. JOUR NIMAE 543 591

²²¹Th 2005LI17 NUCLEAR REACTIONS Be(²³⁸U, X)²⁰⁷Ac / ²⁰⁸Ac / ²⁰⁹Ac / ²¹⁰Ac / ²¹¹Ac / ²¹²Ac / ²¹³Ac / ²¹⁴Ac / ²¹⁵Ac / ²¹⁶Ac / ²¹⁷Ac / ²¹⁸Ac / ²¹⁹Ac / ²²⁰Ac / ²²¹Ac / ²¹¹Th / ²¹²Th / ²¹³Th / ²¹⁴Th / ²¹⁵Th / ²¹⁶Th / ²¹⁷Th / ²¹⁸Th / ²¹⁹Th / ²²⁰Th / ²²¹Th / ²²²Th / ²²³Th / ²¹⁶Pa / ²¹⁷Pa / ²¹⁸Pa / ²¹⁹Pa / ²²⁰Pa / ²²¹Pa / ²²²Pa / ²²³Pa / ²²⁴Pa / ²²⁵Pa / ²²⁶Pa / ²²⁷Pa, E=1 GeV / nucleon; measured (fragment)(decay)-coin, fragment yields. Fragment separator. JOUR NIMAE 543 591

2005LI17 RADIOACTIVITY ^{216,217,221,222}Th, ²¹⁶Ac, ²¹⁵Ra, ²¹⁴Fr, ²¹³Rn(α) [from Be(²³⁸U, X) and subsequent decay]; measured E α , T_{1/2}. Fragment separator. JOUR NIMAE 543 591

²²¹Pa 2005LI17 NUCLEAR REACTIONS Be(²³⁸U, X)²⁰⁷Ac / ²⁰⁸Ac / ²⁰⁹Ac / ²¹⁰Ac / ²¹¹Ac / ²¹²Ac / ²¹³Ac / ²¹⁴Ac / ²¹⁵Ac / ²¹⁶Ac / ²¹⁷Ac / ²¹⁸Ac / ²¹⁹Ac / ²²⁰Ac / ²²¹Ac / ²¹¹Th / ²¹²Th / ²¹³Th / ²¹⁴Th / ²¹⁵Th / ²¹⁶Th / ²¹⁷Th / ²¹⁸Th / ²¹⁹Th / ²²⁰Th / ²²¹Th / ²²²Th / ²²³Th / ²¹⁶Pa / ²¹⁷Pa / ²¹⁸Pa / ²¹⁹Pa / ²²⁰Pa / ²²¹Pa / ²²²Pa / ²²³Pa / ²²⁴Pa / ²²⁵Pa / ²²⁶Pa / ²²⁷Pa, E=1 GeV / nucleon; measured (fragment)(decay)-coin, fragment yields. Fragment separator. JOUR NIMAE 543 591

A=222

²²²Th 2005LI17 NUCLEAR REACTIONS Be(²³⁸U, X)²⁰⁷Ac / ²⁰⁸Ac / ²⁰⁹Ac / ²¹⁰Ac / ²¹¹Ac / ²¹²Ac / ²¹³Ac / ²¹⁴Ac / ²¹⁵Ac / ²¹⁶Ac / ²¹⁷Ac / ²¹⁸Ac / ²¹⁹Ac / ²²⁰Ac / ²²¹Ac / ²¹¹Th / ²¹²Th / ²¹³Th / ²¹⁴Th / ²¹⁵Th / ²¹⁶Th / ²¹⁷Th / ²¹⁸Th / ²¹⁹Th / ²²⁰Th / ²²¹Th / ²²²Th / ²²³Th / ²¹⁶Pa / ²¹⁷Pa / ²¹⁸Pa / ²¹⁹Pa / ²²⁰Pa / ²²¹Pa / ²²²Pa / ²²³Pa / ²²⁴Pa / ²²⁵Pa / ²²⁶Pa / ²²⁷Pa, E=1 GeV / nucleon; measured (fragment)(decay)-coin, fragment yields. Fragment separator. JOUR NIMAE 543 591

2005LI17 RADIOACTIVITY ^{216,217,221,222}Th, ²¹⁶Ac, ²¹⁵Ra, ²¹⁴Fr, ²¹³Rn(α) [from Be(²³⁸U, X) and subsequent decay]; measured E α , T_{1/2}. Fragment separator. JOUR NIMAE 543 591

A=222 (continued)

²²²Pa 2005LI17 NUCLEAR REACTIONS Be(²³⁸U, X)²⁰⁷Ac / ²⁰⁸Ac / ²⁰⁹Ac / ²¹⁰Ac / ²¹¹Ac / ²¹²Ac / ²¹³Ac / ²¹⁴Ac / ²¹⁵Ac / ²¹⁶Ac / ²¹⁷Ac / ²¹⁸Ac / ²¹⁹Ac / ²²⁰Ac / ²²¹Ac / ²¹¹Th / ²¹²Th / ²¹³Th / ²¹⁴Th / ²¹⁵Th / ²¹⁶Th / ²¹⁷Th / ²¹⁸Th / ²¹⁹Th / ²²⁰Th / ²²¹Th / ²²²Th / ²²³Th / ²¹⁶Pa / ²¹⁷Pa / ²¹⁸Pa / ²¹⁹Pa / ²²⁰Pa / ²²¹Pa / ²²²Pa / ²²³Pa / ²²⁴Pa / ²²⁵Pa / ²²⁶Pa / ²²⁷Pa, E=1 GeV / nucleon; measured (fragment)(decay)-coin, fragment yields. Fragment separator. JOUR NIMAE 543 591

A=223

²²³Ra 2005JOZY RADIOACTIVITY ^{227,228}Th, ^{223,224}Ra(α); measured E γ , $\alpha\gamma$ -coin, γ -ray linear polarization. CONF Argonne(Nuclei at the Limits),P348,Jones

²²³Th 2005LI17 NUCLEAR REACTIONS Be(²³⁸U, X)²⁰⁷Ac / ²⁰⁸Ac / ²⁰⁹Ac / ²¹⁰Ac / ²¹¹Ac / ²¹²Ac / ²¹³Ac / ²¹⁴Ac / ²¹⁵Ac / ²¹⁶Ac / ²¹⁷Ac / ²¹⁸Ac / ²¹⁹Ac / ²²⁰Ac / ²²¹Ac / ²¹¹Th / ²¹²Th / ²¹³Th / ²¹⁴Th / ²¹⁵Th / ²¹⁶Th / ²¹⁷Th / ²¹⁸Th / ²¹⁹Th / ²²⁰Th / ²²¹Th / ²²²Th / ²²³Th / ²¹⁶Pa / ²¹⁷Pa / ²¹⁸Pa / ²¹⁹Pa / ²²⁰Pa / ²²¹Pa / ²²²Pa / ²²³Pa / ²²⁴Pa / ²²⁵Pa / ²²⁶Pa / ²²⁷Pa, E=1 GeV / nucleon; measured (fragment)(decay)-coin, fragment yields. Fragment separator. JOUR NIMAE 543 591

²²³Pa 2005LI17 NUCLEAR REACTIONS Be(²³⁸U, X)²⁰⁷Ac / ²⁰⁸Ac / ²⁰⁹Ac / ²¹⁰Ac / ²¹¹Ac / ²¹²Ac / ²¹³Ac / ²¹⁴Ac / ²¹⁵Ac / ²¹⁶Ac / ²¹⁷Ac / ²¹⁸Ac / ²¹⁹Ac / ²²⁰Ac / ²²¹Ac / ²¹¹Th / ²¹²Th / ²¹³Th / ²¹⁴Th / ²¹⁵Th / ²¹⁶Th / ²¹⁷Th / ²¹⁸Th / ²¹⁹Th / ²²⁰Th / ²²¹Th / ²²²Th / ²²³Th / ²¹⁶Pa / ²¹⁷Pa / ²¹⁸Pa / ²¹⁹Pa / ²²⁰Pa / ²²¹Pa / ²²²Pa / ²²³Pa / ²²⁴Pa / ²²⁵Pa / ²²⁶Pa / ²²⁷Pa, E=1 GeV / nucleon; measured (fragment)(decay)-coin, fragment yields. Fragment separator. JOUR NIMAE 543 591

A=224

²²⁴Ra 2005JOZY RADIOACTIVITY ^{227,228}Th, ^{223,224}Ra(α); measured E γ , $\alpha\gamma$ -coin, γ -ray linear polarization. CONF Argonne(Nuclei at the Limits),P348,Jones

²²⁴Pa 2005LI17 NUCLEAR REACTIONS Be(²³⁸U, X)²⁰⁷Ac / ²⁰⁸Ac / ²⁰⁹Ac / ²¹⁰Ac / ²¹¹Ac / ²¹²Ac / ²¹³Ac / ²¹⁴Ac / ²¹⁵Ac / ²¹⁶Ac / ²¹⁷Ac / ²¹⁸Ac / ²¹⁹Ac / ²²⁰Ac / ²²¹Ac / ²¹¹Th / ²¹²Th / ²¹³Th / ²¹⁴Th / ²¹⁵Th / ²¹⁶Th / ²¹⁷Th / ²¹⁸Th / ²¹⁹Th / ²²⁰Th / ²²¹Th / ²²²Th / ²²³Th / ²¹⁶Pa / ²¹⁷Pa / ²¹⁸Pa / ²¹⁹Pa / ²²⁰Pa / ²²¹Pa / ²²²Pa / ²²³Pa / ²²⁴Pa / ²²⁵Pa / ²²⁶Pa / ²²⁷Pa, E=1 GeV / nucleon; measured (fragment)(decay)-coin, fragment yields. Fragment separator. JOUR NIMAE 543 591

A=225

²²⁵Pa 2005LI17 NUCLEAR REACTIONS Be(²³⁸U, X)²⁰⁷Ac / ²⁰⁸Ac / ²⁰⁹Ac / ²¹⁰Ac / ²¹¹Ac / ²¹²Ac / ²¹³Ac / ²¹⁴Ac / ²¹⁵Ac / ²¹⁶Ac / ²¹⁷Ac / ²¹⁸Ac / ²¹⁹Ac / ²²⁰Ac / ²²¹Ac / ²¹¹Th / ²¹²Th / ²¹³Th / ²¹⁴Th / ²¹⁵Th / ²¹⁶Th / ²¹⁷Th / ²¹⁸Th / ²¹⁹Th / ²²⁰Th / ²²¹Th / ²²²Th / ²²³Th / ²¹⁶Pa / ²¹⁷Pa / ²¹⁸Pa / ²¹⁹Pa / ²²⁰Pa / ²²¹Pa / ²²²Pa / ²²³Pa / ²²⁴Pa / ²²⁵Pa / ²²⁶Pa / ²²⁷Pa, E=1 GeV / nucleon; measured (fragment)(decay)-coin, fragment yields. Fragment separator. JOUR NIMAE 543 591

A=226

²²⁶Pa 2005LI17 NUCLEAR REACTIONS Be(²³⁸U, X)²⁰⁷Ac / ²⁰⁸Ac / ²⁰⁹Ac / ²¹⁰Ac / ²¹¹Ac / ²¹²Ac / ²¹³Ac / ²¹⁴Ac / ²¹⁵Ac / ²¹⁶Ac / ²¹⁷Ac / ²¹⁸Ac / ²¹⁹Ac / ²²⁰Ac / ²²¹Ac / ²¹¹Th / ²¹²Th / ²¹³Th / ²¹⁴Th / ²¹⁵Th / ²¹⁶Th / ²¹⁷Th / ²¹⁸Th / ²¹⁹Th / ²²⁰Th / ²²¹Th / ²²²Th / ²²³Th / ²¹⁶Pa / ²¹⁷Pa / ²¹⁸Pa / ²¹⁹Pa / ²²⁰Pa / ²²¹Pa / ²²²Pa / ²²³Pa / ²²⁴Pa / ²²⁵Pa / ²²⁶Pa / ²²⁷Pa, E=1 GeV / nucleon; measured (fragment)(decay)-coin, fragment yields. Fragment separator. JOUR NIMAE 543 591

A=227

²²⁷Th 2005JOZY RADIOACTIVITY ^{227,228}Th, ^{223,224}Ra(α); measured E γ , $\alpha\gamma$ -coin, γ -ray linear polarization. CONF Argonne(Nuclei at the Limits),P348,Jones

²²⁷Pa 2005LI17 NUCLEAR REACTIONS Be(²³⁸U, X)²⁰⁷Ac / ²⁰⁸Ac / ²⁰⁹Ac / ²¹⁰Ac / ²¹¹Ac / ²¹²Ac / ²¹³Ac / ²¹⁴Ac / ²¹⁵Ac / ²¹⁶Ac / ²¹⁷Ac / ²¹⁸Ac / ²¹⁹Ac / ²²⁰Ac / ²²¹Ac / ²¹¹Th / ²¹²Th / ²¹³Th / ²¹⁴Th / ²¹⁵Th / ²¹⁶Th / ²¹⁷Th / ²¹⁸Th / ²¹⁹Th / ²²⁰Th / ²²¹Th / ²²²Th / ²²³Th / ²¹⁶Pa / ²¹⁷Pa / ²¹⁸Pa / ²¹⁹Pa / ²²⁰Pa / ²²¹Pa / ²²²Pa / ²²³Pa / ²²⁴Pa / ²²⁵Pa / ²²⁶Pa / ²²⁷Pa, E=1 GeV / nucleon; measured (fragment)(decay)-coin, fragment yields. Fragment separator. JOUR NIMAE 543 591

A=228

²²⁸Th 2005JOZY RADIOACTIVITY ^{227,228}Th, ^{223,224}Ra(α); measured E γ , $\alpha\gamma$ -coin, γ -ray linear polarization. CONF Argonne(Nuclei at the Limits),P348,Jones

A=229

No references found

A=230

No references found

A=231

No references found

A=232

No references found

A=233

No references found

A=234

No references found

A=235

²³⁵U 2005WAZZ NUCLEAR REACTIONS ²³⁵U(¹³⁶Xe, ¹³⁶Xe'), E=720 MeV; ²³⁵U(⁴⁰Ar, ⁴⁰Ar'), E=180 MeV; measured E γ , I γ , (particle) γ -coin following Coulomb excitation. ²³⁵U deduced levels, J, π , configurations, transition quadrupole moments, rotational bands, Coriolis effects. Gammasphere, 8PI, Chico arrays. CONF Argonne(Nuclei at the Limits),P263,Ward

A=236

²³⁶U 2005CS01 NUCLEAR REACTIONS ²³⁵U(d, pF), E=9.73 MeV; measured Ep, prompt fission probability vs excitation energy. ²³⁶U deduced hyperdeformed rotational bands, fission barrier features, resonant tunneling. JOUR PYLBB 615 175

A=237

²³⁷U 2005ZH20 NUCLEAR REACTIONS ²³⁹Pu(²⁰⁷Pb, ²⁰⁷Pb'), E=1300 MeV; measured E γ , I γ , $\gamma\gamma$ -coin following Coulomb excitation. ²³⁸U(²⁰⁷Pb, ²⁰⁸Pb), E=1400 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ²³⁹Pu, ²³⁷U deduced high-spin levels, J, π , octupole correlation strength. JOUR PYLBB 618 51

²³⁷Np 2005IW01 RADIOACTIVITY ⁶⁵Zn(β^+), (EC); measured E γ , I γ , (X-ray) γ -coin; deduced γ -ray emission probability. ²⁴¹Am(α); measured E γ , I γ , $\alpha\gamma$ -coin; deduced γ -ray emission probabilities. ⁶⁵Cu, ²³⁷Np deduced transitions. JOUR ARISE 63 107

A=238

²³⁸Np 2005SH15 NUCLEAR REACTIONS ²³⁷Np(n, γ), E=0.02-100 eV; measured average capture σ ; deduced resonance integral. Comparison with previous results. JOUR JNSTA 42 135

A=239

²³⁹Pu 2005ZH20 NUCLEAR REACTIONS ²³⁹Pu(²⁰⁷Pb, ²⁰⁷Pb'), E=1300 MeV; measured E γ , I γ , $\gamma\gamma$ -coin following Coulomb excitation. ²³⁸U(²⁰⁷Pb, ²⁰⁸Pb), E=1400 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ²³⁹Pu, ²³⁷U deduced high-spin levels, J, π , octupole correlation strength. JOUR PYLBB 618 51

A=240

No references found

A=241

²⁴¹Am 2005IW01 RADIOACTIVITY ⁶⁵Zn(β^+), (EC); measured E γ , I γ , (X-ray) γ -coin; deduced γ -ray emission probability. ²⁴¹Am(α); measured E γ , I γ , $\alpha\gamma$ -coin; deduced γ -ray emission probabilities. ⁶⁵Cu, ²³⁷Np deduced transitions. JOUR ARISE 63 107

A=242

No references found

A=243

²⁴³Cf 2005KUZZ RADIOACTIVITY ^{216,216m}Th(α), (IT) [from ¹⁷⁰Er(⁵⁰Ti, 4n)]; ^{251,251m}No, ^{247,247m}Fm(α) [from ²⁰⁶Pb(⁴⁸Ca, 3n) and subsequent decay]; ^{257,257m}Db, ^{253,253m}Lr, ²⁴⁹Md(α) [from ²⁰⁹Bi(⁵⁰Ti, 2n) and subsequent decay]; measured E α , E γ , $\alpha\gamma$ -coin, T_{1/2}. CONF Argonne(Nuclei at the Limits),P231,Kuusiniemi

A=244

No references found

A=245

- ²⁴⁵Es 2005KUZZ RADIOACTIVITY ^{216,216m}Th(α), (IT) [from ¹⁷⁰Er(⁵⁰Ti, 4n)]; ^{251,251m}No, ^{247,247m}Fm(α) [from ²⁰⁶Pb(⁴⁸Ca, 3n) and subsequent decay]; ^{257,257m}Db, ^{253,253m}Lr, ²⁴⁹Md(α) [from ²⁰⁹Bi(⁵⁰Ti, 2n) and subsequent decay]; measured E α , E γ , $\alpha\gamma$ -coin, T_{1/2}. CONF Argonne(Nuclei at the Limits),P231,Kuusiniemi

A=246

No references found

A=247

- ²⁴⁷Fm 2005KUZZ RADIOACTIVITY ^{216,216m}Th(α), (IT) [from ¹⁷⁰Er(⁵⁰Ti, 4n)]; ^{251,251m}No, ^{247,247m}Fm(α) [from ²⁰⁶Pb(⁴⁸Ca, 3n) and subsequent decay]; ^{257,257m}Db, ^{253,253m}Lr, ²⁴⁹Md(α) [from ²⁰⁹Bi(⁵⁰Ti, 2n) and subsequent decay]; measured E α , E γ , $\alpha\gamma$ -coin, T_{1/2}. CONF Argonne(Nuclei at the Limits),P231,Kuusiniemi

A=248

- ²⁴⁸Cm 2005UR01 RADIOACTIVITY ²⁴⁸Cm(SF); measured E γ , I γ , $\gamma\gamma$ -coin. ^{109,110,111}Tc, ¹³⁵I deduced transitions. ¹¹¹Tc deduced levels, J, π , configurations. Eurogam2 array. Level systematics in neighboring nuclides discussed. JOUR ZAANE 24 161

A=249

- ²⁴⁹Cm 2005AH03 RADIOACTIVITY ²⁵³Es(α); measured E α , E γ , $\gamma\gamma$ -, $\alpha\gamma$ -coin. ²⁴⁹Cm(β^-) [from ²⁴⁸Cm(n, γ)]; measured E γ , I γ . ²⁴⁹Bk deduced levels, J, π , configurations, B(λ), g factors. ²⁵³Es(SF); measured E γ , I γ from fission fragment decay; deduced fission branching ratio. Gammasphere array, comparisons with model predictions. JOUR PRVCA 71 054305
- 2005AHZZ RADIOACTIVITY ²⁵³Es(α); measured E α , E γ , $\gamma\gamma$ -, $\alpha\gamma$ -coin. ²⁴⁹Cm(β^-) [from ²⁴⁸Cm(n, γ)]; measured E γ , I γ . ²⁴⁹Bk deduced levels, J, π , configurations. Gammasphere array. CONF Argonne(Nuclei at the Limits),P251,Ahmad
- ²⁴⁹Bk 2005AH03 RADIOACTIVITY ²⁵³Es(α); measured E α , E γ , $\gamma\gamma$ -, $\alpha\gamma$ -coin. ²⁴⁹Cm(β^-) [from ²⁴⁸Cm(n, γ)]; measured E γ , I γ . ²⁴⁹Bk deduced levels, J, π , configurations, B(λ), g factors. ²⁵³Es(SF); measured E γ , I γ from fission fragment decay; deduced fission branching ratio. Gammasphere array, comparisons with model predictions. JOUR PRVCA 71 054305
- 2005AHZZ RADIOACTIVITY ²⁵³Es(α); measured E α , E γ , $\gamma\gamma$ -, $\alpha\gamma$ -coin. ²⁴⁹Cm(β^-) [from ²⁴⁸Cm(n, γ)]; measured E γ , I γ . ²⁴⁹Bk deduced levels, J, π , configurations. Gammasphere array. CONF Argonne(Nuclei at the Limits),P251,Ahmad

A=249 (continued)

- 2005SE08 RADIOACTIVITY $^{253,254}\text{Es}$, $^{255}\text{Fm}(\alpha)$ [from $^{252}\text{Cf}(\text{n}, \text{X})$]; measured $E\alpha$, angular distributions from decay of oriented nuclei; deduced anisotropies. Comparison with model predictions. JOUR PRVCA 71 044324
- ^{249}Md 2005KUZZ RADIOACTIVITY $^{216,216\text{m}}\text{Th}(\alpha)$, (IT) [from $^{170}\text{Er}(\text{}^{50}\text{Ti}, 4\text{n})$]; $^{251,251\text{m}}\text{No}$, $^{247,247\text{m}}\text{Fm}(\alpha)$ [from $^{206}\text{Pb}(\text{}^{48}\text{Ca}, 3\text{n})$ and subsequent decay]; $^{257,257\text{m}}\text{Db}$, $^{253,253\text{m}}\text{Lr}$, $^{249}\text{Md}(\alpha)$ [from $^{209}\text{Bi}(\text{}^{50}\text{Ti}, 2\text{n})$ and subsequent decay]; measured $E\alpha$, $E\gamma$, $\alpha\gamma$ -coin, $T_{1/2}$. CONF Argonne(Nuclei at the Limits),P231,Kuusiniemi

A=250

- ^{250}Bk 2005SE08 RADIOACTIVITY $^{253,254}\text{Es}$, $^{255}\text{Fm}(\alpha)$ [from $^{252}\text{Cf}(\text{n}, \text{X})$]; measured $E\alpha$, angular distributions from decay of oriented nuclei; deduced anisotropies. Comparison with model predictions. JOUR PRVCA 71 044324

A=251

- ^{251}Cf 2005SE08 RADIOACTIVITY $^{253,254}\text{Es}$, $^{255}\text{Fm}(\alpha)$ [from $^{252}\text{Cf}(\text{n}, \text{X})$]; measured $E\alpha$, angular distributions from decay of oriented nuclei; deduced anisotropies. Comparison with model predictions. JOUR PRVCA 71 044324
- ^{251}No 2005KUZZ RADIOACTIVITY $^{216,216\text{m}}\text{Th}(\alpha)$, (IT) [from $^{170}\text{Er}(\text{}^{50}\text{Ti}, 4\text{n})$]; $^{251,251\text{m}}\text{No}$, $^{247,247\text{m}}\text{Fm}(\alpha)$ [from $^{206}\text{Pb}(\text{}^{48}\text{Ca}, 3\text{n})$ and subsequent decay]; $^{257,257\text{m}}\text{Db}$, $^{253,253\text{m}}\text{Lr}$, $^{249}\text{Md}(\alpha)$ [from $^{209}\text{Bi}(\text{}^{50}\text{Ti}, 2\text{n})$ and subsequent decay]; measured $E\alpha$, $E\gamma$, $\alpha\gamma$ -coin, $T_{1/2}$. CONF Argonne(Nuclei at the Limits),P231,Kuusiniemi

A=252

- ^{252}Cf 2005JA12 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\alpha\gamma$ -, $\gamma\gamma$ -coin for α -accompanied ternary fission; deduced fission fragments average angular momentum. $^{100,102}\text{Zr}$, ^{106}Mo , $^{144,146}\text{Ba}$, $^{138,140,142}\text{Xe}$; deduced transition intensities. Gammasphere array. JOUR ZAANE 24 373
- 2005JE04 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\alpha$, light charged particle yields, spectra, coincidences from quaternary fission; deduced fission mechanism features. JOUR ZAANE 24 379
- 2005TR06 RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured iron-moderated photon and neutron spectra. Comparison with model predictions. JOUR AENGA 98 54

A=253

- ²⁵³Es 2005AH03 RADIOACTIVITY ²⁵³Es(α); measured E α , E γ , $\gamma\gamma$ -, $\alpha\gamma$ -coin. ²⁴⁹Cm(β^-) [from ²⁴⁸Cm(n, γ)]]; measured E γ , I γ . ²⁴⁹Bk deduced levels, J, π , configurations, B(λ), g factors. ²⁵³Es(SF); measured E γ , I γ from fission fragment decay; deduced fission branching ratio. Gammasphere array, comparisons with model predictions. JOUR PRVCA 71 054305
- 2005AHZZ RADIOACTIVITY ²⁵³Es(α); measured E α , E γ , $\gamma\gamma$ -, $\alpha\gamma$ -coin. ²⁴⁹Cm(β^-) [from ²⁴⁸Cm(n, γ)]]; measured E γ , I γ . ²⁴⁹Bk deduced levels, J, π , configurations. Gammasphere array. CONF Argonne(Nuclei at the Limits),P251,Ahmad
- 2005SE08 RADIOACTIVITY ^{253,254}Es, ²⁵⁵Fm(α) [from ²⁵²Cf(n, X)]; measured E α , angular distributions from decay of oriented nuclei; deduced anisotropies. Comparison with model predictions. JOUR PRVCA 71 044324
- ²⁵³Lr 2005KUZZ RADIOACTIVITY ^{216,216m}Th(α), (IT) [from ¹⁷⁰Er(⁵⁰Ti, 4n)]; ^{251,251m}No, ^{247,247m}Fm(α) [from ²⁰⁶Pb(⁴⁸Ca, 3n) and subsequent decay]; ^{257,257m}Db, ^{253,253m}Lr, ²⁴⁹Md(α) [from ²⁰⁹Bi(⁵⁰Ti, 2n) and subsequent decay]; measured E α , E γ , $\alpha\gamma$ -coin, T_{1/2}. CONF Argonne(Nuclei at the Limits),P231,Kuusiniemi

A=254

- ²⁵⁴Es 2005SE08 RADIOACTIVITY ^{253,254}Es, ²⁵⁵Fm(α) [from ²⁵²Cf(n, X)]; measured E α , angular distributions from decay of oriented nuclei; deduced anisotropies. Comparison with model predictions. JOUR PRVCA 71 044324
- ²⁵⁴No 2005MUZZ RADIOACTIVITY ²⁵⁴No(IT) [from ²⁰⁸Pb(⁴⁸Ca, 2n)]; measured E(ce), I(ce), T_{1/2}. ²⁵⁴No deduced isomer J, π , configuration. CONF Argonne(Nuclei at the Limits),P243,Mukherjee

A=255

- ²⁵⁵Fm 2005SE08 RADIOACTIVITY ^{253,254}Es, ²⁵⁵Fm(α) [from ²⁵²Cf(n, X)]; measured E α , angular distributions from decay of oriented nuclei; deduced anisotropies. Comparison with model predictions. JOUR PRVCA 71 044324

A=256

No references found

A=257

- ²⁵⁷Rf 2005ST16 NUCLEAR REACTIONS ²⁰⁸Pb(⁵⁰Ti, n), E=237 MeV; measured delayed $\alpha\alpha$ -coin; deduced evidence for ²⁵⁷Rf. Gas-filled separator, fast liquid-liquid extraction system. JOUR NIMAE 543 509

A=257 (continued)

²⁵⁷Db 2005KUZZ RADIOACTIVITY ^{216,216m}Th(α), (IT) [from ¹⁷⁰Er(⁵⁰Ti, 4n)]; ^{251,251m}No, ^{247,247m}Fm(α) [from ²⁰⁶Pb(⁴⁸Ca, 3n) and subsequent decay]; ^{257,257m}Db, ^{253,253m}Lr, ²⁴⁹Md(α) [from ²⁰⁹Bi(⁵⁰Ti, 2n) and subsequent decay]; measured E α , E γ , $\alpha\gamma$ -coin, T_{1/2}. CONF Argonne(Nuclei at the Limits),P231,Kuusiniemi

A=258

No references found

A=259

No references found

A=260

No references found

A=261

²⁶¹Rf 2004MOZU RADIOACTIVITY ²⁷⁷112, ²⁷³Ds, ²⁶⁹Hs, ²⁶⁵Sg(α) [from ²⁰⁸Pb(⁷⁰Zn, n) and subsequent decay]; measured E α , T_{1/2}. ²⁶¹Rf(SF); measured T_{1/2}. PREPRINT Morita

A=262

No references found

A=263

No references found

A=264

No references found

A=265

²⁶⁵Sg 2004MOZU RADIOACTIVITY ²⁷⁷112, ²⁷³Ds, ²⁶⁹Hs, ²⁶⁵Sg(α) [from ²⁰⁸Pb(⁷⁰Zn, n) and subsequent decay]; measured E α , T_{1/2}. ²⁶¹Rf(SF); measured T_{1/2}. PREPRINT Morita

A=266

No references found

A=267

No references found

A=268

No references found

A=269

²⁶⁹Hs 2004MOZU RADIOACTIVITY ²⁷⁷112, ²⁷³Ds, ²⁶⁹Hs, ²⁶⁵Sg(α) [from ²⁰⁸Pb(⁷⁰Zn, n) and subsequent decay]; measured E α , T_{1/2}. ²⁶¹Rf(SF); measured T_{1/2}.
PREPRINT Morita

A=270

No references found

A=271

No references found

A=272

No references found

A=273

²⁷³Ds 2004MOZU RADIOACTIVITY ²⁷⁷112, ²⁷³Ds, ²⁶⁹Hs, ²⁶⁵Sg(α) [from ²⁰⁸Pb(⁷⁰Zn, n) and subsequent decay]; measured E α , T_{1/2}. ²⁶¹Rf(SF); measured T_{1/2}.
PREPRINT Morita

A=274

No references found

A=275

No references found

A=276

No references found

A=277

$^{277}_{112}$	2004MOZU	NUCLEAR REACTIONS $^{208}\text{Pb}(^{70}\text{Zn}, \text{n})$, $E=349.5$ MeV; measured delayed $\alpha\alpha$ -coin; deduced production σ . PREPRINT Morita
	2004MOZU	RADIOACTIVITY $^{277}_{112}$, ^{273}Ds , ^{269}Hs , $^{265}\text{Sg}(\alpha)$ [from $^{208}\text{Pb}(^{70}\text{Zn}, \text{n})$ and subsequent decay]; measured $E\alpha$, $T_{1/2}$. $^{261}\text{Rf}(\text{SF})$; measured $T_{1/2}$. PREPRINT Morita

A=278

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