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National Nuclear Data Center, Brookhaven National Laboratory

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This document lists experimental references added to Nuclear Science References (NSR) during the period April 1, 2008 to June 30, 2008. The first section lists keynumbers and keywords sorted by mass and nuclide. The second section lists all references, ordered by keynumber.

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Contents

Keynumbers and Keywords	2
References	103

Keynumbers and Keywords

A=1

- ¹n 2007MAZD NUCLEAR REACTIONS ²H(polarized p, 2p) E=250 MeV; measured Ep, Ip, p-p coin; deduced analysing power A_y . CONF Kyoto(Spin Physics) Proc.P781, Maeda
- 2007SEZS NUCLEAR REACTIONS ¹H(polarized d, 2p), E=135 MeV / nucleon; measured polarization transfer coefficients, analyzing powers. Compared with Faddeev calculations. CONF Kyoto(Spin Physics) Proc.P759, Sekiguchi
- 2008CH14 NUCLEAR REACTIONS ²H(π^- , n γ)n, E=20 MeV; measured neutron time-of-flight spectra, E γ , I γ , n γ -coin, neutron-neutron scattering length. JOUR PRVCA 77 054002
- 2008HA14 NUCLEAR REACTIONS ¹H, ¹²C, ²⁸Si(e, e'K⁺), E=1.8 GeV; measured hypernuclei missing mass spectra using the Tilt method. JOUR NUPAB 804 125
- 2008LA06 NUCLEAR REACTIONS ²H(¹⁸O, α ¹⁵N)n, E=54 MeV; measured charged particle spectra, angular and momentum distributions, cross sections; ¹⁸O(p, α)¹⁵N, E(cm)=0-1.5 MeV; deduced S-factor, reaction rate. Trojan Horse Method. JOUR JPGPE 35 014014
- 2008WA09 NUCLEAR REACTIONS ²H(¹²C, ¹³N), E=72 MeV; measured excitation function. ¹H(¹³N, ¹³N), E=47.8 MeV; measured proton energy, $\sigma(\theta)$. ¹³N, ¹⁴O; deduced levels, J, π , resonance parameters. JOUR PRVCA 77 044304
- ¹H 2007PEZV NUCLEAR REACTIONS ¹H(¹⁸Ne, ¹⁸Ne'), E(cm)=2.6-3.4 MeV; measured recoil Ep, Ip. ¹⁹Ne; deduced levels. CONF Lisbon (PROCON 2007), Proc.P181, Pellegriti
- 2007SAZW NUCLEAR REACTIONS ¹H(⁶He, ⁶He) E=71 MeV / nucleon; measured ⁶He(θ), p(θ), ⁶He-p coin. Polarized target. Discussed analyzing power A_y . CONF Kyoto(Spin Physics) Proc.P833, Sakaguchi
- 2008AH01 NUCLEAR REACTIONS ²H(polarized γ , n)p, E=2.44, 2.60, 2.72 MeV; measured analyzing power, σ , photon asymmetry, angular distributions, neutron spectra by time-of-flight; deduced Gerasimov-Drell-Hearn sum rule integrand and sum rule integrand for forward spin polarizability. Compared with theoretical predictions. JOUR PRVCA 77 044005
- 2008HE04 NUCLEAR REACTIONS ¹H(²¹Na, ²¹Na), E=4 MeV / nucleon; measured $\sigma(E)$. ²²Mg deduced levels, J, π . JOUR ZAANE 36 1
- 2008WA09 NUCLEAR REACTIONS ²H(¹²C, ¹³N), E=72 MeV; measured excitation function. ¹H(¹³N, ¹³N), E=47.8 MeV; measured proton energy, $\sigma(\theta)$. ¹³N, ¹⁴O; deduced levels, J, π , resonance parameters. JOUR PRVCA 77 044304

KEYNUMBERS AND KEYWORDS

A=2

^2H	2007SEZS	NUCLEAR REACTIONS ^1H (polarized d, p), E=135 MeV / nucleon; measured $\sigma(\theta)$, polarization transfer coefficients, analyzing powers. Compared with Faddeev calculations. CONF Kyoto(Spin Physics) Proc.P759,Sekiguchi
	2007TAZO	NUCLEAR REACTIONS ^2H (polarized p, p), E=392 MeV; measured E_p , I_p , E_d , I_d . deduced $\sigma(\theta)$, analyzing power. Compared with Faddeev calculations. CONF Kyoto(Spin Physics) Proc.P765,Tamii
	2008EL02	NUCLEAR REACTIONS ^1H (^{28}Ne , ^{27}Ne), E \approx 51.3 MeV / nucleon; ^{22}O (d, p) ^{23}O , E=34 MeV / nucleon; measured E_γ , I_γ , cross sections. ^{27}Ne , ^{23}O ; deduced levels, J, π , Spectroscopic factors. Compared results to model calculations. JOUR JPGPE 35 014038
	2008GA07	NUCLEAR REACTIONS ^1H (^{31}S , ^{30}S), E=71 MeV / nucleon; measured E_γ , I_γ , $\gamma\gamma$ -, (particle) γ -coin. ^{30}S ; deduced level energies, J, π . JOUR JPGPE 35 014030
	2008RY01	NUCLEAR REACTIONS ^2H (e, e'), E=27.8, 74.0 MeV; measured inclusive elastic cross sections; deduced deuteron breakup cross sections. JOUR PRLTA 100 172501

A=3

^3n	2008IW02	NUCLEAR REACTIONS ^4He (K^- , p), E at rest; measured charged-particle and proton momenta spectra and missing mass spectrum; deduced upper limit for a strange tribaryon state. JOUR NUPAB 804 186
^3H	2007IMZY	NUCLEAR REACTIONS ^2H (d, p) ^3H E=58 keV; measured E_d , I_d , E_p , I_p , polarizations, analyzing power; deduced polarization-transfer coefficient. Polarized d and p, Faddeev-Yakubovsky and T-matrix parametrization calculations. CONF Kyoto(Spin Physics) Proc.P795,Imig
	2008CZ01	NUCLEAR REACTIONS ^2H (d, p), (d, n), E=8-30 keV; measured charged particle spectra, cross sections, angular distributions, and thick target yield for screened target. JOUR JPGPE 35 014012
	2008TA13	NUCLEAR REACTIONS ^1H (^{11}Li , ^9Li) ^3H , E=3 MeV / nucleon; measured $\sigma(\theta)$, proton-Li-coin using gas-Si-CsI target-detection system (MAYA active target); deduced spectroscopic factors. Comparison with Optical Model calculations. JOUR PRLTA 100 192502
	2008VE02	NUCLEAR REACTIONS ^6Li (polarized n, α) ^3H , E not given; measured parity-violating triton emission asymmetry coefficient. Used ultracold polarized neutrons. JOUR PRVCA 77 035501
^3He	2008CR02	NUCLEAR REACTIONS ^6Li (p, α), E=90-580 keV; ^7Li (p, α), E=90-1740 keV; measured cross sections and angular distributions; deduced S-factor. comparison with previous experimental data. JOUR JPGPE 35 014004
	2008CZ01	NUCLEAR REACTIONS ^2H (d, p), (d, n), E=8-30 keV; measured charged particle spectra, cross sections, angular distributions, and thick target yield for screened target. JOUR JPGPE 35 014012

KEYNUMBERS AND KEYWORDS

A=4

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| ⁴ He | 2007YAZR | NUCLEAR REACTIONS ⁶ Li(d, α) ⁴ He E=90 keV; measured analyzing power; ⁸ Be; deduced contribution of the 2 ⁺ resonance level on cross section. CONF Kyoto(Spin Physics) Proc.P799,Yamaguchi |
| | 2008CR02 | NUCLEAR REACTIONS ⁶ Li(p, α), E=90-580 keV; ⁷ Li(p, α), E=90-1740 keV; measured cross sections and angular distributions; deduced S-factor. comparison with previous experimental data. JOUR JPGPE 35 014004 |

A=5

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| ⁵ He | 2008N001 | NUCLEAR REACTIONS ⁶ Li, ¹² C, ⁴⁰ Ca(p, 2p)E=392 MeV; measured Wolfenstein parameters, induced polarizations, analyzing powers, separation energy spectra. Comparison with DWIA and PWIA models. JOUR PRVCA 77 044604 |
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A=6

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| ⁶ Li | 2008AG07 | NUCLEAR REACTIONS ^{6,7} Li, ¹² C(K ⁻ , π ⁻), E at rest; measured negative pion momentum spectrum, (proton)(pion)-coin and Ep, Ip from decaying hypernucleus. Comparison with other data. JOUR NUPAB 804 151 |
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A=7

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| ⁷ Li | 2008AG07 | NUCLEAR REACTIONS ^{6,7} Li, ¹² C(K ⁻ , π ⁻), E at rest; measured negative pion momentum spectrum, (proton)(pion)-coin and Ep, Ip from decaying hypernucleus. Comparison with other data. JOUR NUPAB 804 151 |
| | 2008GA10 | NUCLEAR REACTIONS ⁹ Be(³⁶ Ar, X) ¹⁹ F / ²⁰ Ne / ²¹ Na / ²² Mg / ²³ Al, E=130 MeV / nucleon; measured energy loss, intensities for reaction products. ⁹ Be(²⁴ Si, X) ²³ Al / ²³ Si, E=85.3 MeV / nucleon; measured single-particle cross sections, momentum distributions, spectroscopic factors. ⁹ Be(²⁸ S, X) ²⁷ P, E=80.7 MeV / nucleon; measured E _γ , I _γ . ⁹ Be(²⁸ S, X) ²⁷ P / ²⁷ S, E=80.7 MeV / nucleon; measured single particle cross sections, spectroscopic factors, momentum distributions. ⁷ Li, ⁸ B, ^{9,12,15} C, ¹⁶ O, ^{32,34,36} Ar, ^{24,30} Si, ^{26,28} S, ³¹ P, ^{40,48} Ca, ⁵¹ V, ⁹⁰ Zr, ²⁰⁸ Pb; systematics of cross sections. JOUR PRVCA 77 044306 |
| | 2008KU09 | RADIOACTIVITY ⁷ Be(EC); ¹⁹⁸ Au(β ⁻); measured dependence of decay rate on temperature. Be in Cu host, Au in Al-Au alloy. No evidence found for temperature dependence on half-life. JOUR PRVCA 77 051304 |
| | 2008LI20 | RADIOACTIVITY ⁷ Be(EC) [from ⁷ Li(p, n), E=11.4 MeV]; measured T _{1/2} in different metallic environments. JOUR NIMBE 266 2117 |

KEYNUMBERS AND KEYWORDS

A=7 (continued)

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|-----------------|----------|---|
| | 2008TA06 | NUCLEAR REACTIONS ${}^7\text{Li}$, ${}^{12}\text{C}(\pi^+, \text{K}^+)$, E not given; measured E_γ , I_γ . ${}^9\text{Be}$, ${}^{10}\text{B}$, ${}^{13}\text{C}$, ${}^{16}\text{O}(\text{K}^-, \pi^-)$, E not given; analyzed E_γ , I_γ . ${}^7\text{Li}$, ${}^9\text{Be}$, ${}^{10,11}\text{B}$, ${}^{12,13}\text{C}$, ${}^{15}\text{N}$, ${}^{16}\text{O}$ deduced hypernuclei levels, J, π . Hyperball and Hyperball2 arrays. JOUR NUPAB 804 73 |
| ${}^7\text{Be}$ | 2008DI03 | NUCLEAR REACTIONS ${}^3\text{He}(\alpha, \gamma)$, $E(\text{cm})=0.7\text{-}3.2$ MeV; measured E_γ , I_γ , γ -recoil coin, cross section. JOUR JPGPE 35 014021 |
| | 2008KU09 | RADIOACTIVITY ${}^7\text{Be}(\text{EC})$; ${}^{198}\text{Au}(\beta^-)$; measured dependence of decay rate on temperature. Be in Cu host, Au in Al-Au alloy. No evidence found for temperature dependence on half-life. JOUR PRVCA 77 051304 |
| | 2008LI20 | RADIOACTIVITY ${}^7\text{Be}(\text{EC})$ [from ${}^7\text{Li}(\text{p}, \text{n})$, $E=11.4$ MeV]; measured $T_{1/2}$ in different metallic environments. JOUR NIMBE 266 2117 |
| | 2008MU09 | NUCLEAR REACTIONS Li, B(p, X), (d, X) ${}^7\text{Be}$, E not given; measured E_γ , I_γ , yields. JOUR AENGA 104 82 |

A=8

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|-----------------|----------|---|
| ${}^8\text{Li}$ | 2007SUZX | RADIOACTIVITY ${}^8\text{Li}$, ${}^8\text{B}(\beta\alpha)$ [from ${}^7\text{Li}(\text{d}, \text{p})$ and ${}^6\text{Li}({}^3\text{He}, \text{n})$]; measured $\beta(\theta, \text{H}, \text{t})$ from polarized sources; deduced alignment terms. CONF Kyoto(Spin Physics) Proc.P230,Sumikama |
| ${}^8\text{Be}$ | 2007YAZR | NUCLEAR REACTIONS ${}^6\text{Li}(\text{d}, \alpha){}^4\text{He}$ $E=90$ keV; measured analyzing power; ${}^8\text{Be}$; deduced contribution of the 2^+ resonance level on cross section. CONF Kyoto(Spin Physics) Proc.P799,Yamaguchi |
| ${}^8\text{B}$ | 2007SUZX | RADIOACTIVITY ${}^8\text{Li}$, ${}^8\text{B}(\beta\alpha)$ [from ${}^7\text{Li}(\text{d}, \text{p})$ and ${}^6\text{Li}({}^3\text{He}, \text{n})$]; measured $\beta(\theta, \text{H}, \text{t})$ from polarized sources; deduced alignment terms. CONF Kyoto(Spin Physics) Proc.P230,Sumikama |
| | 2008GA10 | NUCLEAR REACTIONS ${}^9\text{Be}({}^{36}\text{Ar}, \text{X}){}^{19}\text{F} / {}^{20}\text{Ne} / {}^{21}\text{Na} / {}^{22}\text{Mg} / {}^{23}\text{Al}$, $E=130$ MeV / nucleon; measured energy loss, intensities for reaction products. ${}^9\text{Be}({}^{24}\text{Si}, \text{X}){}^{23}\text{Al} / {}^{23}\text{Si}$, $E=85.3$ MeV / nucleon; measured single-particle cross sections, momentum distributions, spectroscopic factors. ${}^9\text{Be}({}^{28}\text{S}, \text{X}){}^{27}\text{P}$, $E=80.7$ MeV / nucleon; measured E_γ , I_γ . ${}^9\text{Be}({}^{28}\text{S}, \text{X}){}^{27}\text{P} / {}^{27}\text{S}$, $E=80.7$ MeV / nucleon; measured single particle cross sections, spectroscopic factors, momentum distributions. ${}^7\text{Li}$, ${}^8\text{B}$, ${}^{9,12,15}\text{C}$, ${}^{16}\text{O}$, ${}^{32,34,36}\text{Ar}$, ${}^{24,30}\text{Si}$, ${}^{26,28}\text{S}$, ${}^{31}\text{P}$, ${}^{40,48}\text{Ca}$, ${}^{51}\text{V}$, ${}^{90}\text{Zr}$, ${}^{208}\text{Pb}$; systematics of cross sections. JOUR PRVCA 77 044306 |

A=9

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| ${}^9\text{Li}$ | 2008LE08 | NUCLEAR REACTIONS ${}^9\text{Be}$, ${}^{12}\text{C}$, ${}^{16}\text{O}(\text{e}, \text{e}'\text{K}^+)$, $E=3.66$ GeV; measured hypernuclei production excitation spectra, $\sigma(E)$, missing mass spectra. ${}^{12}\text{B}$, ${}^{16}\text{N}$ deduced hypernuclei levels, J, π . JOUR NUPAB 804 116 |
| ${}^9\text{Be}$ | 2008TA06 | NUCLEAR REACTIONS ${}^7\text{Li}$, ${}^{12}\text{C}(\pi^+, \text{K}^+)$, E not given; measured E_γ , I_γ . ${}^9\text{Be}$, ${}^{10}\text{B}$, ${}^{13}\text{C}$, ${}^{16}\text{O}(\text{K}^-, \pi^-)$, E not given; analyzed E_γ , I_γ . ${}^7\text{Li}$, ${}^9\text{Be}$, ${}^{10,11}\text{B}$, ${}^{12,13}\text{C}$, ${}^{15}\text{N}$, ${}^{16}\text{O}$ deduced hypernuclei levels, J, π . Hyperball and Hyperball2 arrays. JOUR NUPAB 804 73 |

KEYNUMBERS AND KEYWORDS

A=9 (continued)

⁹C 2008GA10 NUCLEAR REACTIONS ⁹Be(³⁶Ar, X)¹⁹F / ²⁰Ne / ²¹Na / ²²Mg / ²³Al, E=130 MeV / nucleon; measured energy loss, intensities for reaction products. ⁹Be(²⁴Si, X)²³Al / ²³Si, E=85.3 MeV / nucleon; measured single-particle cross sections, momentum distributions, spectroscopic factors. ⁹Be(²⁸S, X)²⁷P, E=80.7 MeV / nucleon; measured E γ , I γ . ⁹Be(²⁸S, X)²⁷P / ²⁷S, E=80.7 MeV / nucleon; measured single particle cross sections, spectroscopic factors, momentum distributions. ⁷Li, ⁸B, ^{9,12,15}C, ¹⁶O, ^{32,34,36}Ar, ^{24,30}Si, ^{26,28}S, ³¹P, ^{40,48}Ca, ⁵¹V, ⁹⁰Zr, ²⁰⁸Pb; systematics of cross sections. JOUR PRVCA 77 044306

A=10

¹⁰Be 2008WA06 NUCLEAR REACTIONS ⁹Be(n, γ), E= spectrum; ¹³C(n, γ), E=spectrum; measured capture cross sections using a combination of activation technique and AMS. Comparisons with existing data. JOUR JPGPE 35 014018

¹⁰B 2008AD04 NUCLEAR REACTIONS ⁹Be(⁶⁷Co, ⁶⁶Fe)X, E=84.3 MeV / nucleon; ⁹Be(⁶⁸Ni, ⁶⁶Fe)X, E=74.7 MeV / nucleon; ⁹Be(⁶⁹Co, ⁶⁸Fe)X, E=77.8 MeV / nucleon; ⁹Be(⁶⁶Fe, ⁶⁴Cr)X, E=73.5 MeV / nucleon; measured E γ , I γ , σ . ^{66,68}Fe, ⁶⁴Cr; deduced levels, J, π . ⁹Be(⁷⁶Ge, X)⁶³Fe / ⁶⁴Fe / ⁶⁵Fe / ⁶⁶Fe / ⁶⁸Ni / ⁶⁹Cu, E=130 MeV / nucleon; measured yields. JOUR PRVCA 77 054306

 2008IA01 RADIOACTIVITY ¹⁰C(β^+) [from ¹H(¹¹B, 2n), E=23 MeV / nucleon]; measured half-life using pulsed-beam method; deduced ft value for superallowed β decay. JOUR PRVCA 77 045501

 2008TA06 NUCLEAR REACTIONS ⁷Li, ¹²C(π^+ , K⁺), E not given; measured E γ , I γ . ⁹Be, ¹⁰B, ¹³C, ¹⁶O(K⁻, π^-), E not given; analyzed E γ , I γ . ⁷Li, ⁹Be, ^{10,11}B, ^{12,13}C, ¹⁵N, ¹⁶O deduced hypernuclei levels, J, π . Hyperball and Hyperball2 arrays. JOUR NUPAB 804 73

¹⁰C 2008HAZZ RADIOACTIVITY ¹⁰C, ¹⁴O, ²²Mg, ^{26m}Al, ³⁴Cl, ³⁴Ar, ^{38m}K, ⁴²Sc, ⁴⁶V, ⁵⁰Mn, ⁵⁴Co, ⁶²Ga, ⁷⁴Rb; analyzed superallowed β -decay data. ³⁴Ar(β^+), (EC) [from ¹H(³⁵Cl, 2n), E=35 MeV / nucleon]; measured E γ , I γ , E β , $\beta\gamma$ coin; deduced β^+ +EC branches for superallowed β decay. CONF Sinaia(Exotic Nuclei and Nucl.Part.Astrophysics(II)) Proc.P119,Ha

 2008IA01 RADIOACTIVITY ¹⁰C(β^+) [from ¹H(¹¹B, 2n), E=23 MeV / nucleon]; measured half-life using pulsed-beam method; deduced ft value for superallowed β decay. JOUR PRVCA 77 045501

A=11

¹¹Li 2007RAZS RADIOACTIVITY ¹¹Li(β^-); measured β -delayed deuteron, triton, charged particle total energy spectra.^{8,9}Li; deduced T_{1/2}. CONF Lisbon (PROCON 2007),Proc.P218,Raabe

KEYNUMBERS AND KEYWORDS

A=11 (continued)

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|------------------|----------|---|
| | 2008BA18 | ATOMIC MASSES ^{11}Li ; measured mass and two-neutron separation energy using the MISTRAL spectrometer at ISOLDE. JOUR PRLTA 100 182501 |
| ^{11}Be | 2007BAZQ | RADIOACTIVITY $^{146}\text{Tm}(\beta^+\text{p})$; measured β^+ , charged particle spectra; ^{11}Be ; deduced three body break-up excited state through ^{10}Be state. CONF Lisbon (PROCON 2007),Proc.P291,Batchelder |
| | 2007RAZS | RADIOACTIVITY $^{11}\text{Li}(\beta^-)$; measured β -delayed deuteron, triton, charged particle total energy spectra. $^{8,9}\text{Li}$; deduced $T_{1/2}$. CONF Lisbon (PROCON 2007),Proc.P218,Raabe |
| ^{11}B | 2008LA08 | NUCLEAR REACTIONS $^4\text{He}(\text{}^8\text{Li}, \text{n})$, $E(\text{cm})=1.05$ MeV; $^4\text{He}(\text{}^9\text{Be}, \text{n})$, $E(\text{cm})=1.45$ MeV; measured E_n , I_n , σ . Comparison with other data. JOUR PYLBB 664 157 |
| | 2008N001 | NUCLEAR REACTIONS ^6Li , ^{12}C , $^{40}\text{Ca}(\text{p}, 2\text{p})E=392$ MeV; measured Wolfenstein parameters, induced polarizations, analyzing powers, separation energy spectra. Comparison with DWIA and PWIA models. JOUR PRVCA 77 044604 |
| | 2008TA06 | NUCLEAR REACTIONS ^7Li , $^{12}\text{C}(\pi^+, \text{K}^+)$, E not given; measured $E\gamma$, $I\gamma$. ^9Be , ^{10}B , ^{13}C , $^{16}\text{O}(\text{K}^-, \pi^-)$, E not given; analyzed $E\gamma$, $I\gamma$. ^7Li , ^9Be , $^{10,11}\text{B}$, $^{12,13}\text{C}$, ^{15}N , ^{16}O deduced hypernuclei levels, J, π . Hyperball and Hyperball2 arrays. JOUR NUPAB 804 73 |
| ^{11}C | 2008AD04 | NUCLEAR REACTIONS $^9\text{Be}(\text{}^{67}\text{Co}, \text{}^{66}\text{Fe})\text{X}$, $E=84.3$ MeV / nucleon; $^9\text{Be}(\text{}^{68}\text{Ni}, \text{}^{66}\text{Fe})\text{X}$, $E=74.7$ MeV / nucleon; $^9\text{Be}(\text{}^{69}\text{Co}, \text{}^{68}\text{Fe})\text{X}$, $E=77.8$ MeV / nucleon; $^9\text{Be}(\text{}^{66}\text{Fe}, \text{}^{64}\text{Cr})\text{X}$, $E=73.5$ MeV / nucleon; measured $E\gamma$, $I\gamma$, σ . $^{66,68}\text{Fe}$, ^{64}Cr ; deduced levels, J, π . $^9\text{Be}(\text{}^{76}\text{Ge}, \text{X})\text{}^{63}\text{Fe} / \text{}^{64}\text{Fe} / \text{}^{65}\text{Fe} / \text{}^{66}\text{Fe} / \text{}^{68}\text{Ni} / \text{}^{69}\text{Cu}$, $E=130$ MeV / nucleon;measured yields. JOUR PRVCA 77 054306 |
| | 2008ST10 | NUCLEAR REACTIONS $^{10}\text{B}(\text{d}, \text{n})\text{}^{11}\text{C}$, $E<160$ keV; measured σ , astrophysical S factors, neutron spectra, angular distributions. Comparison with DWBA and Hauser-Feshbach calculations. JOUR PRVCA 77 054607 |

A=12

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| ^{12}B | 2008HA14 | NUCLEAR REACTIONS ^1H , ^{12}C , $^{28}\text{Si}(\text{e}, \text{e}'\text{K}^+)$, $E=1.8$ GeV; measured hypernuclei missing mass spectra using the Tilt method. JOUR NUPAB 804 125 |
| | 2008LE08 | NUCLEAR REACTIONS ^9Be , ^{12}C , $^{16}\text{O}(\text{e}, \text{e}'\text{K}^+)$, $E=3.66$ GeV; measured hypernuclei production excitation spectra, $\sigma(E)$, missing mass spectra. ^{12}B , ^{16}N deduced hypernuclei levels, J, π . JOUR NUPAB 804 116 |
| ^{12}C | 2007TA34 | RADIOACTIVITY $^{16}\text{N}(\beta^-)$, $(\beta^- \alpha)$; measured $E\alpha$, $I\alpha$, $^{12}\text{C}\alpha$ -coin. $^{12}\text{C}(\alpha, \gamma)$; deduced astrophysical S-factor. JOUR PRLTA 99 052502 |
| | 2008AG07 | NUCLEAR REACTIONS $^{6,7}\text{Li}$, $^{12}\text{C}(\text{K}^-, \pi^-)$, E at rest; measured negative pion momentum spectrum, (proton)(pion)-coin and E_p , I_p from decaying hypernucleus. Comparison with other data. JOUR NUPAB 804 151 |

A=12 (*continued*)

- 2008CH13 NUCLEAR REACTIONS $^{11}\text{B}(\text{p}, \gamma)$, E=7-24.5 MeV; measured E_γ , I_γ , capture cross sections. ^{12}C ; deduced resonances. Comparison with DSD model calculations and structures of ^{14}N and ^{14}C . JOUR PRVCA 77 051302
- 2008EI01 NUCLEAR REACTIONS $^{12}\text{C}(\nu, \nu')$, E < 52.8 MeV; $^{12,13}\text{C}$, $^{56}\text{Fe}(\nu, e^-)$, E < 52.8 MeV; measured flux averaged cross sections, energy distribution of ν -induced single events; deduced neutrino oscillation upper limit. JOUR JPGPE 35 014055
- 2008GA10 NUCLEAR REACTIONS $^9\text{Be}({}^{36}\text{Ar}, \text{X})^{19}\text{F} / {}^{20}\text{Ne} / {}^{21}\text{Na} / {}^{22}\text{Mg} / {}^{23}\text{Al}$, E=130 MeV / nucleon; measured energy loss, intensities for reaction products. $^9\text{Be}({}^{24}\text{Si}, \text{X})^{23}\text{Al} / {}^{23}\text{Si}$, E=85.3 MeV / nucleon; measured single-particle cross sections, momentum distributions, spectroscopic factors. $^9\text{Be}({}^{28}\text{S}, \text{X})^{27}\text{P}$, E=80.7 MeV / nucleon; measured E_γ , I_γ . $^9\text{Be}({}^{28}\text{S}, \text{X})^{27}\text{P} / {}^{27}\text{S}$, E=80.7 MeV / nucleon; measured single particle cross sections, spectroscopic factors, momentum distributions. ^7Li , ^8B , $^{9,12,15}\text{C}$, ^{16}O , $^{32,34,36}\text{Ar}$, $^{24,30}\text{Si}$, $^{26,28}\text{S}$, ^{31}P , $^{40,48}\text{Ca}$, ^{51}V , ^{90}Zr , ^{208}Pb ; systematics of cross sections. JOUR PRVCA 77 044306
- 2008GU08 NUCLEAR REACTIONS $^{14}\text{N}(\text{d}, \text{p})$, (d, α), E=0.7-2.2 keV; measured excitation functions. JOUR NIMBE 266 1206
- 2008LA08 NUCLEAR REACTIONS $^4\text{He}({}^8\text{Li}, \text{n})$, E(cm)=1.05 MeV; $^4\text{He}({}^9\text{Be}, \text{n})$, E(cm)=1.45 MeV; measured En, In, σ . Comparison with other data. JOUR PYLBB 664 157
- 2008PE09 NUCLEAR REACTIONS $^{13}\text{C}({}^7\text{Li}, \text{t})$, (${}^7\text{Li}$, ${}^7\text{Li}$), E=28, 34 MeV; measured $\sigma(\theta)$. ^{17}O ; deduced levels, J, α spectroscopic factors, asymptotic normalization factors. $^{12}\text{C}({}^7\text{Li}, \text{t})$, (${}^7\text{Li}$, ${}^7\text{Li}$), E=28 MeV; measured yields. $^{13}\text{C}(\alpha, \text{n})$; deduced astrophysical S-factor, reaction rates. Comparison with recommended values. DWBA analysis. JOUR PRVCA 77 042801
- 2008TA05 NUCLEAR REACTIONS $^{12}\text{C}(\gamma, \pi^0)^{12}\text{C}$, E=120-819 MeV; measured E_γ , I_γ , $\gamma\gamma$ -coin, $\sigma(\theta)$. JOUR PRLTA 100 132301
- 2008TA06 NUCLEAR REACTIONS ${}^7\text{Li}$, $^{12}\text{C}(\pi^+, \text{K}^+)$, E not given; measured E_γ , I_γ . ^9Be , ^{10}B , ^{13}C , $^{16}\text{O}(\text{K}^-, \pi^-)$, E not given; analyzed E_γ , I_γ . ${}^7\text{Li}$, ^9Be , $^{10,11}\text{B}$, $^{12,13}\text{C}$, ^{15}N , ^{16}O deduced hypernuclei levels, J, π . Hyperball and Hyperball2 arrays. JOUR NUPAB 804 73
- ^{12}N 2008EI01 NUCLEAR REACTIONS $^{12}\text{C}(\nu, \nu')$, E < 52.8 MeV; $^{12,13}\text{C}$, $^{56}\text{Fe}(\nu, e^-)$, E < 52.8 MeV; measured flux averaged cross sections, energy distribution of ν -induced single events; deduced neutrino oscillation upper limit. JOUR JPGPE 35 014055
- 2008JA03 NUCLEAR REACTIONS ^1H , $^2\text{H}({}^{28}\text{Si}, \text{X})$, E=200, 300 MeV / nucleon; measured σ , $\sigma(\theta)$. He, $^{12,14}\text{N}$, ^{16}O , ^{18}F , ^{20}Ne , ^{22}Na , ^{24}Mg , ^{26}Al , ^{28}Si ; measured momentum distributions, angular distributions; deduced single-event effects in microelectronics. JOUR PRVCA 77 044601

KEYNUMBERS AND KEYWORDS

A=13

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| ^{13}C | 20080H05 | NUCLEAR REACTIONS $^{18}\text{O}(\text{n}, \gamma)$, E=10-80 keV; measured $E\gamma$, $I\gamma$, σ_γ . ^{19}O ; deduced levels, J, π . Comparison with theory. ^{13}C , ^{17}O , ^{18}O ; systematics. JOUR PRVCA 77 051303 |
| | 2008PA09 | NUCLEAR REACTIONS $^{12}\text{C}(\text{d}, \text{p})$, E=0.81-2.07 MeV; measured $\sigma(\theta)$. Comparison with other data. JOUR NIMBE 266 2263 |
| | 2008PE09 | NUCLEAR REACTIONS $^{13}\text{C}(^7\text{Li}, \text{t})$, (^7Li , ^7Li), E=28, 34 MeV; measured $\sigma(\theta)$. ^{17}O ; deduced levels, J, α spectroscopic factors, asymptotic normalization factors. $^{12}\text{C}(^7\text{Li}, \text{t})$, (^7Li , ^7Li), E=28 MeV; measured yields. $^{13}\text{C}(\alpha, \text{n})$; deduced astrophysical S-factor, reaction rates. Comparison with recommended values. DWBA analysis. JOUR PRVCA 77 042801 |
| | 2008TA06 | NUCLEAR REACTIONS ^7Li , $^{12}\text{C}(\pi^+, \text{K}^+)$, E not given; measured $E\gamma$, $I\gamma$. ^9Be , ^{10}B , ^{13}C , $^{16}\text{O}(\text{K}^-, \pi^-)$, E not given; analyzed $E\gamma$, $I\gamma$. ^7Li , ^9Be , $^{10,11}\text{B}$, $^{12,13}\text{C}$, ^{15}N , ^{16}O deduced hypernuclei levels, J, π . Hyperball and Hyperball2 arrays. JOUR NUPAB 804 73 |
| ^{13}N | 2008EI01 | NUCLEAR REACTIONS $^{12}\text{C}(\nu, \nu')$, E < 52.8 MeV; $^{12,13}\text{C}$, $^{56}\text{Fe}(\nu, \text{e}^-)$, E < 52.8 MeV; measured flux averaged cross sections, energy distribution of ν -induced single events; deduced neutrino oscillation upper limit. JOUR JPGPE 35 014055 |
| | 2008WA09 | NUCLEAR REACTIONS $^2\text{H}(^{12}\text{C}, ^{13}\text{N})$, E=72 MeV; measured excitation function. $^1\text{H}(^{13}\text{N}, ^{13}\text{N})$, E=47.8 MeV; measured proton energy, $\sigma(\theta)$. ^{13}N , ^{14}O ; deduced levels, J, π , resonance parameters. JOUR PRVCA 77 044304 |
| ^{13}O | 2007TAZR | NUCLEAR REACTIONS $^{13}\text{C}(^{11}\text{B}, ^{11}\text{Li})^{13}\text{O}$ E=70 MeV / nucleon; measured ^{13}O spectrum; ^{13}O ; deduced ground state properties. CONF Kyoto(Spin Physics) Proc.P815,Takahisa |

A=14

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| ^{14}C | 2008WA06 | NUCLEAR REACTIONS $^9\text{Be}(\text{n}, \gamma)$, E= spectrum; $^{13}\text{C}(\text{n}, \gamma)$, E=spectrum; measured capture cross sections using a combination of activation technique and AMS. Comparisons with existing data. JOUR JPGPE 35 014018 |
| ^{14}N | 2008JA03 | NUCLEAR REACTIONS ^1H , $^2\text{H}(^{28}\text{Si}, \text{X})$, E=200, 300 MeV / nucleon; measured σ , $\sigma(\theta)$. He, $^{12,14}\text{N}$, ^{16}O , ^{18}F , ^{20}Ne , ^{22}Na , ^{24}Mg , ^{26}Al , ^{28}Si ; measured momentum distributions, angular distributions; deduced single-event effects in microelectronics. JOUR PRVCA 77 044601 |
| ^{14}O | 2008HAZZ | RADIOACTIVITY ^{10}C , ^{14}O , ^{22}Mg , $^{26\text{m}}\text{Al}$, ^{34}Cl , ^{34}Ar , $^{38\text{m}}\text{K}$, ^{42}Sc , ^{46}V , ^{50}Mn , ^{54}Co , ^{62}Ga , ^{74}Rb ; analyzed superallowed β -decay data. $^{34}\text{Ar}(\beta^+)$, (EC) [from $^1\text{H}(^{35}\text{Cl}, 2\text{n})$, E=35 MeV / nucleon]; measured $E\gamma$, $I\gamma$, $E\beta$, $\beta\gamma$ coin; deduced β^+ +EC branches for superallowed β decay. CONF Sinaia(Exotic Nuclei and Nucl.Part.Astrophysics(II)) Proc.P119,Ha |
| | 2008WA09 | NUCLEAR REACTIONS $^2\text{H}(^{12}\text{C}, ^{13}\text{N})$, E=72 MeV; measured excitation function. $^1\text{H}(^{13}\text{N}, ^{13}\text{N})$, E=47.8 MeV; measured proton energy, $\sigma(\theta)$. ^{13}N , ^{14}O ; deduced levels, J, π , resonance parameters. JOUR PRVCA 77 044304 |

KEYNUMBERS AND KEYWORDS

A=15

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| ^{15}C | 2008GA10 | NUCLEAR REACTIONS $^9\text{Be}(^{36}\text{Ar}, \text{X})^{19}\text{F} / ^{20}\text{Ne} / ^{21}\text{Na} / ^{22}\text{Mg} / ^{23}\text{Al}$, E=130 MeV / nucleon; measured energy loss, intensities for reaction products. $^9\text{Be}(^{24}\text{Si}, \text{X})^{23}\text{Al} / ^{23}\text{Si}$, E=85.3 MeV / nucleon; measured single-particle cross sections, momentum distributions, spectroscopic factors. $^9\text{Be}(^{28}\text{S}, \text{X})^{27}\text{P}$, E=80.7 MeV / nucleon; measured $E\gamma$, $I\gamma$. $^9\text{Be}(^{28}\text{S}, \text{X})^{27}\text{P} / ^{27}\text{S}$, E=80.7 MeV / nucleon; measured single particle cross sections, spectroscopic factors, momentum distributions. ^7Li , ^8B , $^{9,12,15}\text{C}$, ^{16}O , $^{32,34,36}\text{Ar}$, $^{24,30}\text{Si}$, $^{26,28}\text{S}$, ^{31}P , $^{40,48}\text{Ca}$, ^{51}V , ^{90}Zr , ^{208}Pb ; systematics of cross sections. JOUR PRVCA 77 044306 |
| ^{15}N | 2008GU08 | NUCLEAR REACTIONS $^{14}\text{N}(\text{d}, \text{p})$, (d, α) , E=0.7-2.2 keV; measured excitation functions. JOUR NIMBE 266 1206 |
| | 2008LA06 | NUCLEAR REACTIONS $^2\text{H}(^{18}\text{O}, \alpha^{15}\text{N})\text{n}$, E=54 MeV; measured charged particle spectra, angular and momentum distributions, cross sections; $^{18}\text{O}(\text{p}, \alpha)^{15}\text{N}$, E(cm)=0-1.5 MeV; deduced S-factor, reaction rate. Trojan Horse Method. JOUR JPGPE 35 014014 |
| | 2008MI11 | NUCLEAR REACTIONS $^{14}\text{N}(\text{n}, \gamma)$, E=thermal; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{15}N deduced absolute $I\gamma$ by intensity balance of each level. JOUR JNSTA 45 481 |
| | 2008TA06 | NUCLEAR REACTIONS ^7Li , $^{12}\text{C}(\pi^+, \text{K}^+)$, E not given; measured $E\gamma$, $I\gamma$. ^9Be , ^{10}B , ^{13}C , $^{16}\text{O}(\text{K}^-, \pi^-)$, E not given; analyzed $E\gamma$, $I\gamma$. ^7Li , ^9Be , $^{10,11}\text{B}$, $^{12,13}\text{C}$, ^{15}N , ^{16}O deduced hypernuclei levels, J, π . Hyperball and Hyperball2 arrays. JOUR NUPAB 804 73 |
| | 2008UK01 | NUCLEAR REACTIONS $^{16}\text{O}(\text{K}^-, \pi^-\gamma)$, $(\text{K}^-, \pi^-\text{p})$, E=900 MeV / c; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, angular distributions, B(M1), missing mass spectra. ^{16}O , ^{15}N ; deduced levels, J, π of hypernuclei. Comparison with shell model calculations. JOUR PRVCA 77 054315 |
| ^{15}O | 2007STZS | NUCLEAR REACTIONS $^1\text{H}(^{15}\text{O}, \text{p})$, E=1.2 MeV / nucleon; measured $E\text{p}$, $I\text{p}$, $\sigma(\theta)$. CONF Lisbon (PROCON 2007), Proc.P205, Stefan |
| | 2008SC08 | NUCLEAR REACTIONS $^{14}\text{N}(\text{p}, \gamma)$, E=318 keV; measured $E\gamma$, $I\gamma$, $\gamma\mp$ coin, lifetimes using Doppler-shift attenuation method. ^{15}O ; deduced levels, J, π , astrophysical S factors. $^{19}\text{F}(\text{p}, \alpha\gamma)$, E=318 keV; measured $E\gamma$, $I\gamma$. JOUR PRVCA 77 055803 |
| | 2008TR03 | NUCLEAR REACTIONS $^{14}\text{N}(\text{p}, \gamma)$, E=360, 380, 400 keV; measured $E\gamma$, $I\gamma$, cross sections; deduced astrophysical S-factor. Comparisons with existing data. R-matrix analysis. JOUR JPGPE 35 014019 |

A=16

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| ^{16}C | 2008WI04 | NUCLEAR REACTIONS $^9\text{Be}(^9\text{Be}, 2\text{p})$, E=40 MeV; measured $E\gamma$, $I\gamma$, charged particles. ^{16}C ; deduced levels, lifetimes, B(E2). JOUR PRLTA 100 152501 |
| ^{16}N | 2007TA34 | RADIOACTIVITY $^{16}\text{N}(\beta^-)$, $(\beta^-\alpha)$; measured $E\alpha$, $I\alpha$, $^{12}\text{C}\alpha$ -coin. $^{12}\text{C}(\alpha, \gamma)$; deduced astrophysical S-factor. JOUR PRLTA 99 052502 |
| | 2008LE08 | NUCLEAR REACTIONS ^9Be , ^{12}C , $^{16}\text{O}(\text{e}, \text{e}'\text{K}^+)$, E=3.66 GeV; measured hypernuclei production excitation spectra, $\sigma(\text{E})$, missing mass spectra. ^{12}B , ^{16}N deduced hypernuclei levels, J, π . JOUR NUPAB 804 116 |

KEYNUMBERS AND KEYWORDS

A=16 (continued)

- ¹⁶O 2007CAZT RADIOACTIVITY ¹⁸Ne(p), (2p) [from ⁹Be(²⁰Ne, X)¹⁸Ne, E=45 MeV / nucleon]; measured E_p, I_p, p(θ). CONF Lisbon (PROCON 2007), Proc.P105, Cardella
- 2007TA34 RADIOACTIVITY ¹⁶N(β⁻), (β⁻α); measured E_α, I_α, ¹²Cα-coin. ¹²C(α, γ); deduced astrophysical S-factor. JOUR PRLTA 99 052502
- 2008GA10 NUCLEAR REACTIONS ⁹Be(³⁶Ar, X)¹⁹F / ²⁰Ne / ²¹Na / ²²Mg / ²³Al, E=130 MeV / nucleon; measured energy loss, intensities for reaction products. ⁹Be(²⁴Si, X)²³Al / ²³Si, E=85.3 MeV / nucleon; measured single-particle cross sections, momentum distributions, spectroscopic factors. ⁹Be(²⁸S, X)²⁷P, E=80.7 MeV / nucleon; measured E_γ, I_γ. ⁹Be(²⁸S, X)²⁷P / ²⁷S, E=80.7 MeV / nucleon; measured single particle cross sections, spectroscopic factors, momentum distributions. ⁷Li, ⁸B, ^{9,12,15}C, ¹⁶O, ^{32,34,36}Ar, ^{24,30}Si, ^{26,28}S, ³¹P, ^{40,48}Ca, ⁵¹V, ⁹⁰Zr, ²⁰⁸Pb; systematics of cross sections. JOUR PRVCA 77 044306
- 2008JA03 NUCLEAR REACTIONS ¹H, ²H(²⁸Si, X), E=200, 300 MeV / nucleon; measured σ, σ(θ). He, ^{12,14}N, ¹⁶O, ¹⁸F, ²⁰Ne, ²²Na, ²⁴Mg, ²⁶Al, ²⁸Si; measured momentum distributions, angular distributions; deduced single-event effects in microelectronics. JOUR PRVCA 77 044601
- 2008PE09 NUCLEAR REACTIONS ¹³C(⁷Li, t), (⁷Li, ⁷Li), E=28, 34 MeV; measured σ(θ). ¹⁷O; deduced levels, J, α spectroscopic factors, asymptotic normalization factors. ¹²C(⁷Li, t), (⁷Li, ⁷Li), E=28 MeV; measured yields. ¹³C(α, n); deduced astrophysical S-factor, reaction rates. Comparison with recommended values. DWBA analysis. JOUR PRVCA 77 042801
- 2008SC08 NUCLEAR REACTIONS ¹⁴N(p, γ), E=318 keV; measured E_γ, I_γ, γ∓coin, lifetimes using Doppler-shift attenuation method. ¹⁵O; deduced levels, J, π, astrophysical S factors. ¹⁹F(p, αγ), E=318 keV; measured E_γ, I_γ. JOUR PRVCA 77 055803
- 2008SH12 NUCLEAR REACTIONS ¹⁸⁶W(¹⁸O, ¹⁷O), E=180 MeV; measured E_γ, I_γ, γγ-coin. ¹⁸⁷W; deduced levels, J, π, band structures and configurations. ^{16,17,18,19}O; measured ion energy losses. JOUR PRVCA 77 047303
- 2008ST11 NUCLEAR REACTIONS ²⁴Mg(α, γ), E=1.0-1.5 MeV; measured E_γ, I_γ, γγ-coin, branching ratios, resonance strengths. ²⁸Si; deduced levels, J, π, reaction rates. ¹³C, ¹⁷O, ^{21,22}Ne, ²⁵Mg(α, n); ¹⁶O, ²⁰Ne(α, γ); ²³Na, ²⁴Mg, ²⁷Al(p, γ); ²³Na, ²⁴Mg, ²⁷Al, ²⁸Si(n, γ); ²⁵Al(γ, p); ²⁷Al(p, α); analyzed reaction rates. JOUR PRVCA 77 055801
- 2008TA06 NUCLEAR REACTIONS ⁷Li, ¹²C(π⁺, K⁺), E not given; measured E_γ, I_γ. ⁹Be, ¹⁰B, ¹³C, ¹⁶O(K⁻, π⁻), E not given; analyzed E_γ, I_γ. ⁷Li, ⁹Be, ^{10,11}B, ^{12,13}C, ¹⁵N, ¹⁶O deduced hypernuclei levels, J, π. Hyperball and Hyperball2 arrays. JOUR NUPAB 804 73
- 2008UK01 NUCLEAR REACTIONS ¹⁶O(K⁻, π⁻γ), (K⁻, π⁻p), E=900 MeV / c; measured E_γ, I_γ, γγ-coin, angular distributions, B(M1), missing mass spectra. ¹⁶O, ¹⁵N; deduced levels, J, π of hypernuclei. Comparison with shell model calculations. JOUR PRVCA 77 054315

A=17

- ¹⁷C 2008WI05 NUCLEAR REACTIONS ⁹Be(¹¹B, 2p), E=50 MeV; measured E_γ, I_γ, γγ-, (2p)γ-coin, lifetimes. ¹⁸N; deduced levels, J, π, configurations. ¹⁷C, ¹⁸N, ¹⁹O; systematics. Comparison with model calculations. JOUR PRVCA 77 054305
- ¹⁷O 2008CR03 NUCLEAR REACTIONS ¹²C(⁷Li, d), E=34 MeV; measured deuteron spectra, angular distributions. ¹²C(⁶Li, p), E=32 MeV; measured proton spectra, angular distributions. ¹⁷O; deduced levels, J, π, level widths, σ. DWBA analysis. JOUR PRVCA 77 044315
- 2008OH05 NUCLEAR REACTIONS ¹⁸O(n, γ), E=10-80 keV; measured E_γ, I_γ, σ_γ. ¹⁹O; deduced levels, J, π. Comparison with theory. ¹³C, ¹⁷O, ¹⁸O; systematics. JOUR PRVCA 77 051303
- 2008PE09 NUCLEAR REACTIONS ¹³C(⁷Li, t), (⁷Li, ⁷Li), E=28, 34 MeV; measured σ(θ). ¹⁷O; deduced levels, J, α spectroscopic factors, asymptotic normalization factors. ¹²C(⁷Li, t), (⁷Li, ⁷Li), E=28 MeV; measured yields. ¹³C(α, n); deduced astrophysical S-factor, reaction rates. Comparison with recommended values. DWBA analysis. JOUR PRVCA 77 042801
- 2008SH12 NUCLEAR REACTIONS ¹⁸⁶W(¹⁸O, ¹⁷O), E=180 MeV; measured E_γ, I_γ, γγ-coin. ¹⁸⁷W; deduced levels, J, π, band structures and configurations. ^{16,17,18,19}O; measured ion energy losses. JOUR PRVCA 77 047303
- ¹⁷F 2007CAZT RADIOACTIVITY ¹⁸Ne(p), (2p) [from ⁹Be(²⁰Ne, X)¹⁸Ne, E=45 MeV / nucleon]; measured E_p, I_p, p(θ). CONF Lisbon (PROCON 2007),Proc.P105,Cardella
- ¹⁷Ne 2007MUZT RADIOACTIVITY ¹⁹Mg(2p) [from ⁹Be(²⁴Mg, xpyn)¹⁹Mg, E=591 MeV / nucleon]; measured E_p, I_p, p-p coin. ¹⁹Mg; deduced (2p) decay, T_{1/2}. CONF Lisbon (PROCON 2007),Proc.P93,Mukha

A=18

- ¹⁸N 2008WI05 NUCLEAR REACTIONS ⁹Be(¹¹B, 2p), E=50 MeV; measured E_γ, I_γ, γγ-, (2p)γ-coin, lifetimes. ¹⁸N; deduced levels, J, π, configurations. ¹⁷C, ¹⁸N, ¹⁹O; systematics. Comparison with model calculations. JOUR PRVCA 77 054305
- ¹⁸O 2008OH05 NUCLEAR REACTIONS ¹⁸O(n, γ), E=10-80 keV; measured E_γ, I_γ, σ_γ. ¹⁹O; deduced levels, J, π. Comparison with theory. ¹³C, ¹⁷O, ¹⁸O; systematics. JOUR PRVCA 77 051303
- 2008SH12 NUCLEAR REACTIONS ¹⁸⁶W(¹⁸O, ¹⁷O), E=180 MeV; measured E_γ, I_γ, γγ-coin. ¹⁸⁷W; deduced levels, J, π, band structures and configurations. ^{16,17,18,19}O; measured ion energy losses. JOUR PRVCA 77 047303
- ¹⁸F 2008JA03 NUCLEAR REACTIONS ¹H, ²H(²⁸Si, X), E=200, 300 MeV / nucleon; measured σ, σ(θ). He, ^{12,14}N, ¹⁶O, ¹⁸F, ²⁰Ne, ²²Na, ²⁴Mg, ²⁶Al, ²⁸Si; measured momentum distributions, angular distributions; deduced single-event effects in microelectronics. JOUR PRVCA 77 044601
- ¹⁸Ne 2007CAZT RADIOACTIVITY ¹⁸Ne(p), (2p) [from ⁹Be(²⁰Ne, X)¹⁸Ne, E=45 MeV / nucleon]; measured E_p, I_p, p(θ). CONF Lisbon (PROCON 2007),Proc.P105,Cardella

KEYNUMBERS AND KEYWORDS

A=19

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| ^{19}N | 2008S009 | NUCLEAR REACTIONS ^9Be , $^{12}\text{C}(^{36}\text{S}, \text{X})$, $E=77.5$ MeV / nucleon; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{19,20,21,22}\text{N}$; deduced levels, J, π . Comparison with shell-model calculations, based on WBT and WBTM interactions. JOUR PRVCA 77 044303 |
| ^{19}O | 2008OH05 | NUCLEAR REACTIONS $^{18}\text{O}(n, \gamma)$, $E=10-80$ keV; measured $E\gamma$, $I\gamma$, σ_γ . ^{19}O ; deduced levels, J, π . Comparison with theory. ^{13}C , ^{17}O , ^{18}O ; systematics. JOUR PRVCA 77 051303 |
| | 2008SH12 | NUCLEAR REACTIONS $^{186}\text{W}(^{18}\text{O}, ^{17}\text{O})$, $E=180$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{187}W ; deduced levels, J, π , band structures and configurations. $^{16,17,18,19}\text{O}$; measured ion energy losses. JOUR PRVCA 77 047303 |
| | 2008WI05 | NUCLEAR REACTIONS $^9\text{Be}(^{11}\text{B}, 2p)$, $E=50$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -, $(2p)\gamma$ -coin, lifetimes. ^{18}N ; deduced levels, J, π , configurations. ^{17}C , ^{18}N , ^{19}O ; systematics. Comparison with model calculations. JOUR PRVCA 77 054305 |
| ^{19}F | 2008GA10 | NUCLEAR REACTIONS $^9\text{Be}(^{36}\text{Ar}, \text{X})^{19}\text{F} / ^{20}\text{Ne} / ^{21}\text{Na} / ^{22}\text{Mg} / ^{23}\text{Al}$, $E=130$ MeV / nucleon; measured energy loss, intensities for reaction products. $^9\text{Be}(^{24}\text{Si}, \text{X})^{23}\text{Al} / ^{23}\text{Si}$, $E=85.3$ MeV / nucleon; measured single-particle cross sections, momentum distributions, spectroscopic factors. $^9\text{Be}(^{28}\text{S}, \text{X})^{27}\text{P}$, $E=80.7$ MeV / nucleon; measured $E\gamma$, $I\gamma$. $^9\text{Be}(^{28}\text{S}, \text{X})^{27}\text{P} / ^{27}\text{S}$, $E=80.7$ MeV / nucleon; measured single particle cross sections, spectroscopic factors, momentum distributions. ^7Li , ^8B , $^{9,12,15}\text{C}$, ^{16}O , $^{32,34,36}\text{Ar}$, $^{24,30}\text{Si}$, $^{26,28}\text{S}$, ^{31}P , $^{40,48}\text{Ca}$, ^{51}V , ^{90}Zr , ^{208}Pb ; systematics of cross sections. JOUR PRVCA 77 044306 |
| ^{19}Ne | 2007PEZV | NUCLEAR REACTIONS $^1\text{H}(^{18}\text{Ne}, ^{18}\text{Ne}')$, $E(\text{cm})=2.6-3.4$ MeV; measured recoil E_p , I_p . ^{19}Ne ; deduced levels. CONF Lisbon (PROCON 2007),Proc.P181,Pellegriti |
| | 2008MY01 | NUCLEAR REACTIONS $^3\text{He}(^{20}\text{Ne}, \alpha)$, $E=34$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\alpha$ -coin, α -spectra, lifetimes using Doppler Shift Attenuation Method; ^{19}Ne ; deduced levels, J, π . $^{15}\text{O}(\alpha, \gamma)^{19}\text{Ne}$; deduced reactions rates. JOUR PRVCA 77 035803 |
| ^{19}Mg | 2007MUZT | RADIOACTIVITY $^{19}\text{Mg}(2p)$ [from $^9\text{Be}(^{24}\text{Mg}, \text{xpyn})^{19}\text{Mg}$, $E=591$ MeV / nucleon]; measured E_p , I_p , p-p coin. ^{19}Mg ; deduced $(2p)$ decay, $T_{1/2}$. CONF Lisbon (PROCON 2007),Proc.P93,Mukha |

A=20

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| ^{20}N | 2008S009 | NUCLEAR REACTIONS ^9Be , $^{12}\text{C}(^{36}\text{S}, \text{X})$, $E=77.5$ MeV / nucleon; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{19,20,21,22}\text{N}$; deduced levels, J, π . Comparison with shell-model calculations, based on WBT and WBTM interactions. JOUR PRVCA 77 044303 |
| ^{20}F | 2007NAZT | RADIOACTIVITY $^{20}\text{F}(\beta^-)$ [from $^{19}\text{F}(d(\text{pol}), p)^{20}\text{F}$]; measured $I\beta(\theta)$, H, t) from polarized source; deduced alignment term. CONF Kyoto(Spin Physics) Proc.P226,Nagatomo |
| ^{20}Ne | 2007NAZT | RADIOACTIVITY $^{20}\text{F}(\beta^-)$ [from $^{19}\text{F}(d(\text{pol}), p)^{20}\text{F}$]; measured $I\beta(\theta)$, H, t) from polarized source; deduced alignment term. CONF Kyoto(Spin Physics) Proc.P226,Nagatomo |

KEYNUMBERS AND KEYWORDS

A=20 (continued)

- 2007NAZT RADIOACTIVITY $^{20}\text{Na}(\beta^+)$; measured $I\beta(\theta, H, t)$ from polarized source; deduced alignment term. CONF Kyoto(Spin Physics) Proc.P226,Nagatomo
- 2008GA10 NUCLEAR REACTIONS $^9\text{Be}(^{36}\text{Ar}, X)^{19}\text{F} / ^{20}\text{Ne} / ^{21}\text{Na} / ^{22}\text{Mg} / ^{23}\text{Al}$, $E=130$ MeV / nucleon; measured energy loss, intensities for reaction products. $^9\text{Be}(^{24}\text{Si}, X)^{23}\text{Al} / ^{23}\text{Si}$, $E=85.3$ MeV / nucleon; measured single-particle cross sections, momentum distributions, spectroscopic factors. $^9\text{Be}(^{28}\text{S}, X)^{27}\text{P}$, $E=80.7$ MeV / nucleon; measured $E\gamma, I\gamma$. $^9\text{Be}(^{28}\text{S}, X)^{27}\text{P} / ^{27}\text{S}$, $E=80.7$ MeV / nucleon; measured single particle cross sections, spectroscopic factors, momentum distributions. ^7Li , ^8B , $^{9,12,15}\text{C}$, ^{16}O , $^{32,34,36}\text{Ar}$, $^{24,30}\text{Si}$, $^{26,28}\text{S}$, ^{31}P , $^{40,48}\text{Ca}$, ^{51}V , ^{90}Zr , ^{208}Pb ; systematics of cross sections. JOUR PRVCA 77 044306
- 2008JA03 NUCLEAR REACTIONS ^1H , $^2\text{H}(^{28}\text{Si}, X)$, $E=200, 300$ MeV / nucleon; measured $\sigma, \sigma(\theta)$. He, $^{12,14}\text{N}$, ^{16}O , ^{18}F , ^{20}Ne , ^{22}Na , ^{24}Mg , ^{26}Al , ^{28}Si ; measured momentum distributions, angular distributions; deduced single-event effects in microelectronics. JOUR PRVCA 77 044601
- 2008ST11 NUCLEAR REACTIONS $^{24}\text{Mg}(\alpha, \gamma)$, $E=1.0-1.5$ MeV; measured $E\gamma, I\gamma, \gamma\gamma$ -coin, branching ratios, resonance strengths. ^{28}Si ; deduced levels, J, π , reaction rates. ^{13}C , ^{17}O , $^{21,22}\text{Ne}$, $^{25}\text{Mg}(\alpha, n)$; ^{16}O , $^{20}\text{Ne}(\alpha, \gamma)$; ^{23}Na , ^{24}Mg , $^{27}\text{Al}(p, \gamma)$; ^{23}Na , ^{24}Mg , ^{27}Al , $^{28}\text{Si}(n, \gamma)$; $^{25}\text{Al}(\gamma, p)$; $^{27}\text{Al}(p, \alpha)$; analyzed reaction rates. JOUR PRVCA 77 055801
- ^{20}Na 2007NAZT RADIOACTIVITY $^{20}\text{Na}(\beta^+)$; measured $I\beta(\theta, H, t)$ from polarized source; deduced alignment term. CONF Kyoto(Spin Physics) Proc.P226,Nagatomo

A=21

- ^{21}N 2008L006 RADIOACTIVITY $^{21}\text{N}(\beta^-)$ [from $^9\text{Be}(^{26}\text{Mg}, X)$, $E=68.8$ MeV / nucleon]; measured $T_{1/2}, E\beta, I\beta, E\gamma, I\gamma, \text{En}, \text{In}, \beta\gamma^-, (n)\beta$ -coin. JOUR CPLEE 25 1992
- 2008S009 NUCLEAR REACTIONS $^9\text{Be}, ^{12}\text{C}(^{36}\text{S}, X)$, $E=77.5$ MeV / nucleon; measured $E\gamma, I\gamma, \gamma\gamma$ -coin. $^{19,20,21,22}\text{N}$; deduced levels, J, π . Comparison with shell-model calculations, based on WBT and WBTM interactions. JOUR PRVCA 77 044303
- ^{21}O 2008L006 RADIOACTIVITY $^{21}\text{N}(\beta^-)$ [from $^9\text{Be}(^{26}\text{Mg}, X)$, $E=68.8$ MeV / nucleon]; measured $T_{1/2}, E\beta, I\beta, E\gamma, I\gamma, \text{En}, \text{In}, \beta\gamma^-, (n)\beta$ -coin. JOUR CPLEE 25 1992
- ^{21}Ne 2008VE03 RADIOACTIVITY $^{21}\text{Na}(\beta^+)$; measured β - ν correlation coefficient, time-of-flight, internal conversion. Comparisons with standard model. JOUR PRVCA 77 035502

KEYNUMBERS AND KEYWORDS

A=21 (continued)

- ²¹Na 2008GA10 NUCLEAR REACTIONS ⁹Be(³⁶Ar, X)¹⁹F / ²⁰Ne / ²¹Na / ²²Mg / ²³Al, E=130 MeV / nucleon; measured energy loss, intensities for reaction products. ⁹Be(²⁴Si, X)²³Al / ²³Si, E=85.3 MeV / nucleon; measured single-particle cross sections, momentum distributions, spectroscopic factors. ⁹Be(²⁸S, X)²⁷P, E=80.7 MeV / nucleon; measured E γ , I γ . ⁹Be(²⁸S, X)²⁷P / ²⁷S, E=80.7 MeV / nucleon; measured single particle cross sections, spectroscopic factors, momentum distributions. ⁷Li, ⁸B, ^{9,12,15}C, ¹⁶O, ^{32,34,36}Ar, ^{24,30}Si, ^{26,28}S, ³¹P, ^{40,48}Ca, ⁵¹V, ⁹⁰Zr, ²⁰⁸Pb; systematics of cross sections. JOUR PRVCA 77 044306
- 2008VE03 RADIOACTIVITY ²¹Na(β^+); measured β - ν correlation coefficient, time-of-flight, internal conversion. Comparisons with standard model. JOUR PRVCA 77 035502

A=22

- ²²N 2008S009 NUCLEAR REACTIONS ⁹Be, ¹²C(³⁶S, X), E=77.5 MeV / nucleon; measured E γ , I γ , $\gamma\gamma$ -coin. ^{19,20,21,22}N; deduced levels, J, π . Comparison with shell-model calculations, based on WBT and WBTM interactions. JOUR PRVCA 77 044303
- ²²Ne 2008RU01 RADIOACTIVITY ²²Na(β^+) [from ²⁷Al(p, X), E=70 MeV]; measured E γ , I γ , T_{1/2} as function of temperature. Deduced influence of electron screening on T_{1/2}. JOUR JPGPE 35 014017
- 2008UG01 NUCLEAR REACTIONS ¹⁹F(α , p), E=792-1993 keV; measured yield curves, σ , $\sigma(\theta)$, reaction rate at stellar temperatures; calculated low energy S-factor. R-matrix analysis. JOUR PRVCA 77 035801
- ²²Na 2008JA03 NUCLEAR REACTIONS ¹H, ²H(²⁸Si, X), E=200, 300 MeV / nucleon; measured σ , $\sigma(\theta)$. He, ^{12,14}N, ¹⁶O, ¹⁸F, ²⁰Ne, ²²Na, ²⁴Mg, ²⁶Al, ²⁸Si; measured momentum distributions, angular distributions; deduced single-event effects in microelectronics. JOUR PRVCA 77 044601
- 2008RU01 RADIOACTIVITY ²²Na(β^+) [from ²⁷Al(p, X), E=70 MeV]; measured E γ , I γ , T_{1/2} as function of temperature. Deduced influence of electron screening on T_{1/2}. JOUR JPGPE 35 014017
- ²²Mg 2007Y0ZW NUCLEAR REACTIONS ²⁰⁸Pb(²³Al, p²²Mg)²⁰⁸Pb, E=50 MeV / nucleon; Pb(²⁷P, p²⁶Si)Pb, E=57 MeV / nucleon; measured Ep, Ip, p(θ), charged products, $\sigma(\theta)$. ²²Mg; deduced levels. ²⁶Si; deduced levels. CONF Lisbon (PROCON 2007), Proc.P246, Yoneda
- 2008GA10 NUCLEAR REACTIONS ⁹Be(³⁶Ar, X)¹⁹F / ²⁰Ne / ²¹Na / ²²Mg / ²³Al, E=130 MeV / nucleon; measured energy loss, intensities for reaction products. ⁹Be(²⁴Si, X)²³Al / ²³Si, E=85.3 MeV / nucleon; measured single-particle cross sections, momentum distributions, spectroscopic factors. ⁹Be(²⁸S, X)²⁷P, E=80.7 MeV / nucleon; measured E γ , I γ . ⁹Be(²⁸S, X)²⁷P / ²⁷S, E=80.7 MeV / nucleon; measured single particle cross sections, spectroscopic factors, momentum distributions. ⁷Li, ⁸B, ^{9,12,15}C, ¹⁶O, ^{32,34,36}Ar, ^{24,30}Si, ^{26,28}S, ³¹P, ^{40,48}Ca, ⁵¹V, ⁹⁰Zr, ²⁰⁸Pb; systematics of cross sections. JOUR PRVCA 77 044306

KEYNUMBERS AND KEYWORDS

A=22 (continued)

- 2008HAZZ RADIOACTIVITY ^{10}C , ^{14}O , ^{22}Mg , ^{26m}Al , ^{34}Cl , ^{34}Ar , ^{38m}K , ^{42}Sc , ^{46}V , ^{50}Mn , ^{54}Co , ^{62}Ga , ^{74}Rb ; analyzed superallowed β -decay data. $^{34}\text{Ar}(\beta^+)$, (EC) [from $^1\text{H}(^{35}\text{Cl}, 2n)$, $E=35$ MeV / nucleon]; measured $E\gamma$, $I\gamma$, $E\beta$, $\beta\gamma$ coin; deduced β^+ +EC branches for superallowed β decay. CONF Sinaia(Exotic Nuclei and Nucl.Part.Astorphysics(II)) Proc.P119,Ha
- 2008HE04 NUCLEAR REACTIONS $^1\text{H}(^{21}\text{Na}, ^{21}\text{Na})$, $E=4$ MeV / nucleon; measured $\sigma(E)$. ^{22}Mg deduced levels, J , π . JOUR ZAANE 36 1

A=23

- ^{23}O 2008EL02 NUCLEAR REACTIONS $^1\text{H}(^{28}\text{Ne}, ^{27}\text{Ne})$, $E\approx 51.3$ MeV / nucleon; $^{22}\text{O}(d, p)^{23}\text{O}$, $E=34$ MeV / nucleon; measured $E\gamma$, $I\gamma$, cross sections. ^{27}Ne , ^{23}O ; deduced levels, J , π , Spectroscopic factors. Compared results to model calculations. JOUR JPGPE 35 014038
- ^{23}Ne 2007MAZG RADIOACTIVITY $^{23}\text{Ne}(\beta^-)$ [from $\text{Be}(^{22}\text{Ne}, X)$, $\text{Be}(^{26}\text{Mg}, X)$]; measured β -spectra; ^{23}Ne ; deduced magnetic moment. Polarized target, magnetic resonance method. CONF Kyoto(Spin Physics) Proc.P837,Matsuta
- 2008EL04 NUCLEAR REACTIONS $^{26}\text{Mg}(n, \alpha)$, $E=13.6-14.86$ MeV; measured σ using the activation technique. Statistical model analyses. JOUR ANEND 35 1068
- ^{23}Na 2007MAZG RADIOACTIVITY $^{23}\text{Ne}(\beta^-)$ [from $\text{Be}(^{22}\text{Ne}, X)$, $\text{Be}(^{26}\text{Mg}, X)$]; measured β -spectra; ^{23}Ne ; deduced magnetic moment. Polarized target, magnetic resonance method. CONF Kyoto(Spin Physics) Proc.P837,Matsuta
- ^{23}Al 2008GA10 NUCLEAR REACTIONS $^9\text{Be}(^{36}\text{Ar}, X)^{19}\text{F} / ^{20}\text{Ne} / ^{21}\text{Na} / ^{22}\text{Mg} / ^{23}\text{Al}$, $E=130$ MeV / nucleon; measured energy loss, intensities for reaction products. $^9\text{Be}(^{24}\text{Si}, X)^{23}\text{Al} / ^{23}\text{Si}$, $E=85.3$ MeV / nucleon; measured single-particle cross sections, momentum distributions, spectroscopic factors. $^9\text{Be}(^{28}\text{S}, X)^{27}\text{P}$, $E=80.7$ MeV / nucleon; measured $E\gamma$, $I\gamma$. $^9\text{Be}(^{28}\text{S}, X)^{27}\text{P} / ^{27}\text{S}$, $E=80.7$ MeV / nucleon; measured single particle cross sections, spectroscopic factors, momentum distributions. ^7Li , ^8B , $^{9,12,15}\text{C}$, ^{16}O , $^{32,34,36}\text{Ar}$, $^{24,30}\text{Si}$, $^{26,28}\text{S}$, ^{31}P , $^{40,48}\text{Ca}$, ^{51}V , ^{90}Zr , ^{208}Pb ; systematics of cross sections. JOUR PRVCA 77 044306
- ^{23}Si 2008GA10 NUCLEAR REACTIONS $^9\text{Be}(^{36}\text{Ar}, X)^{19}\text{F} / ^{20}\text{Ne} / ^{21}\text{Na} / ^{22}\text{Mg} / ^{23}\text{Al}$, $E=130$ MeV / nucleon; measured energy loss, intensities for reaction products. $^9\text{Be}(^{24}\text{Si}, X)^{23}\text{Al} / ^{23}\text{Si}$, $E=85.3$ MeV / nucleon; measured single-particle cross sections, momentum distributions, spectroscopic factors. $^9\text{Be}(^{28}\text{S}, X)^{27}\text{P}$, $E=80.7$ MeV / nucleon; measured $E\gamma$, $I\gamma$. $^9\text{Be}(^{28}\text{S}, X)^{27}\text{P} / ^{27}\text{S}$, $E=80.7$ MeV / nucleon; measured single particle cross sections, spectroscopic factors, momentum distributions. ^7Li , ^8B , $^{9,12,15}\text{C}$, ^{16}O , $^{32,34,36}\text{Ar}$, $^{24,30}\text{Si}$, $^{26,28}\text{S}$, ^{31}P , $^{40,48}\text{Ca}$, ^{51}V , ^{90}Zr , ^{208}Pb ; systematics of cross sections. JOUR PRVCA 77 044306

KEYNUMBERS AND KEYWORDS

A=24

^{24}Na	2008ST11	NUCLEAR REACTIONS $^{24}\text{Mg}(\alpha, \gamma)$, E=1.0-1.5 MeV; measured E_γ , I_γ , $\gamma\gamma$ -coin, branching ratios, resonance strengths. ^{28}Si ; deduced levels, J, π , reaction rates. ^{13}C , ^{17}O , $^{21,22}\text{Ne}$, $^{25}\text{Mg}(\alpha, n)$; ^{16}O , $^{20}\text{Ne}(\alpha, \gamma)$; ^{23}Na , ^{24}Mg , $^{27}\text{Al}(\text{p}, \gamma)$; ^{23}Na , ^{24}Mg , ^{27}Al , $^{28}\text{Si}(\text{n}, \gamma)$; $^{25}\text{Al}(\gamma, \text{p})$; $^{27}\text{Al}(\text{p}, \alpha)$; analyzed reaction rates. JOUR PRVCA 77 055801
	2008V004	NUCLEAR REACTIONS $^{180,182}\text{Hf}(\text{n}, \gamma)$, E=thermal; measured E_γ , I_γ , σ , reaction rates. $^{94,96}\text{Zr}(\text{n}, \gamma)$, E=thermal; measured reaction rates. ^{23}Na , ^{37}Cl , ^{55}Mn , ^{115}In , ^{179}Hf , $^{182}\text{Ta}(\text{n}, \gamma)$, E=thermal; measured E_γ . JOUR PRVCA 77 044608
^{24}Mg	2008JA03	NUCLEAR REACTIONS ^1H , $^2\text{H}(\text{H}^{28}\text{Si}, \text{X})$, E=200, 300 MeV / nucleon; measured σ , $\sigma(\theta)$. He, $^{12,14}\text{N}$, ^{16}O , ^{18}F , ^{20}Ne , ^{22}Na , ^{24}Mg , ^{26}Al , ^{28}Si ; measured momentum distributions, angular distributions; deduced single-event effects in microelectronics. JOUR PRVCA 77 044601
	2008ST11	NUCLEAR REACTIONS $^{24}\text{Mg}(\alpha, \gamma)$, E=1.0-1.5 MeV; measured E_γ , I_γ , $\gamma\gamma$ -coin, branching ratios, resonance strengths. ^{28}Si ; deduced levels, J, π , reaction rates. ^{13}C , ^{17}O , $^{21,22}\text{Ne}$, $^{25}\text{Mg}(\alpha, n)$; ^{16}O , $^{20}\text{Ne}(\alpha, \gamma)$; ^{23}Na , ^{24}Mg , $^{27}\text{Al}(\text{p}, \gamma)$; ^{23}Na , ^{24}Mg , ^{27}Al , $^{28}\text{Si}(\text{n}, \gamma)$; $^{25}\text{Al}(\gamma, \text{p})$; $^{27}\text{Al}(\text{p}, \alpha)$; analyzed reaction rates. JOUR PRVCA 77 055801
^{24}Al	2008L004	NUCLEAR REACTIONS $^{10}\text{B}(\text{H}^{16}\text{O}, 2\text{n}\gamma)$, E=60 MeV; measured E_γ , I_γ , $\gamma\gamma$ -coin. ^{24}Al ; deduced levels, J, π , polarization coefficients. $^{23}\text{Mg}(\text{p}, \gamma)$; deduced effect of results on stellar reaction rate. Fragment mass analyzer and Gammasphere array. JOUR PRVCA 77 042802
^{24}Si	2008GA10	NUCLEAR REACTIONS $^9\text{Be}(\text{H}^{36}\text{Ar}, \text{X})^{19}\text{F} / ^{20}\text{Ne} / ^{21}\text{Na} / ^{22}\text{Mg} / ^{23}\text{Al}$, E=130 MeV / nucleon; measured energy loss, intensities for reaction products. $^9\text{Be}(\text{H}^{24}\text{Si}, \text{X})^{23}\text{Al} / ^{23}\text{Si}$, E=85.3 MeV / nucleon; measured single-particle cross sections, momentum distributions, spectroscopic factors. $^9\text{Be}(\text{H}^{28}\text{S}, \text{X})^{27}\text{P}$, E=80.7 MeV / nucleon; measured E_γ , I_γ . $^9\text{Be}(\text{H}^{28}\text{S}, \text{X})^{27}\text{P} / ^{27}\text{S}$, E=80.7 MeV / nucleon; measured single particle cross sections, spectroscopic factors, momentum distributions. ^7Li , ^8B , $^{9,12,15}\text{C}$, ^{16}O , $^{32,34,36}\text{Ar}$, $^{24,30}\text{Si}$, $^{26,28}\text{S}$, ^{31}P , $^{40,48}\text{Ca}$, ^{51}V , ^{90}Zr , ^{208}Pb ; systematics of cross sections. JOUR PRVCA 77 044306

A=25

^{25}O	2008H003	NUCLEAR REACTIONS $\text{Be}(\text{H}^{26}\text{F}, ^{25}\text{O})$, E=85 MeV / nucleon; measured fragment, neutron energies and yields. ^{25}O ; deduced decay width. JOUR PRLTA 100 152502
^{25}Mg	2008K005	NUCLEAR MOMENTS $^{25,27,29,31}\text{Mg}$ [from $^{238}\text{U}(\text{p}, \text{X})$, E=1.4 GeV]; measured J, π of ground states, magnetic moments, hyperfine structure using laser and β -NMR spectroscopy. Compared with shell-model calculations. JOUR PRVCA 77 034307
	2008PE12	NUCLEAR REACTIONS $^{27}\text{Al}(\text{d}, \text{p})$, (d, α), $^{28,29}\text{Si}(\text{d}, \text{p})$, E=1-2 MeV; measured $\sigma(\theta, E)$. Comparison with other data. JOUR NIMBE 266 2268

KEYNUMBERS AND KEYWORDS

A=25 (continued)

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| | 2008ST11 | NUCLEAR REACTIONS $^{24}\text{Mg}(\alpha, \gamma)$, E=1.0-1.5 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, branching ratios, resonance strengths. ^{28}Si ; deduced levels, J, π , reaction rates. ^{13}C , ^{17}O , $^{21,22}\text{Ne}$, $^{25}\text{Mg}(\alpha, n)$; ^{16}O , $^{20}\text{Ne}(\alpha, \gamma)$; ^{23}Na , ^{24}Mg , $^{27}\text{Al}(\text{p}, \gamma)$; ^{23}Na , ^{24}Mg , ^{27}Al , $^{28}\text{Si}(\text{n}, \gamma)$; $^{25}\text{Al}(\gamma, \text{p})$; $^{27}\text{Al}(\text{p}, \alpha)$; analyzed reaction rates. JOUR PRVCA 77 055801 |
| ^{25}Al | 2007MAZG | RADIOACTIVITY $^{25}\text{Al}(\beta^-)$ [from $\text{Be}(^{28}\text{Si}, \text{X})$, $\text{Be}(^{24}\text{Mg}, \text{X})$]; measured β -spectra; ^{25}Al ; deduced quadrupole moment. Polarized target, electric field gradient method. CONF Kyoto(Spin Physics) Proc.P837,Matsuta |
| | 2008ST11 | NUCLEAR REACTIONS $^{24}\text{Mg}(\alpha, \gamma)$, E=1.0-1.5 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, branching ratios, resonance strengths. ^{28}Si ; deduced levels, J, π , reaction rates. ^{13}C , ^{17}O , $^{21,22}\text{Ne}$, $^{25}\text{Mg}(\alpha, n)$; ^{16}O , $^{20}\text{Ne}(\alpha, \gamma)$; ^{23}Na , ^{24}Mg , $^{27}\text{Al}(\text{p}, \gamma)$; ^{23}Na , ^{24}Mg , ^{27}Al , $^{28}\text{Si}(\text{n}, \gamma)$; $^{25}\text{Al}(\gamma, \text{p})$; $^{27}\text{Al}(\text{p}, \alpha)$; analyzed reaction rates. JOUR PRVCA 77 055801 |
| ^{25}Si | 2007MAZG | RADIOACTIVITY $^{25}\text{Al}(\beta^-)$ [from $\text{Be}(^{28}\text{Si}, \text{X})$, $\text{Be}(^{24}\text{Mg}, \text{X})$]; measured β -spectra; ^{25}Al ; deduced quadrupole moment. Polarized target, electric field gradient method. CONF Kyoto(Spin Physics) Proc.P837,Matsuta |

A=26

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| ^{26}Na | 2008HI05 | NUCLEAR REACTIONS $^{18}\text{O}(^{14}\text{C}, \text{np})$, E=22 MeV; measured $E\gamma$, $I\gamma$, (particle) γ -coin, $\gamma(\theta)$. ^{30}Al ; deduced levels, J, π , comparison with shell-model calculations. ^{26}Na , $^{28,32}\text{Al}$, $^{30,32,34}\text{P}$; systematics. JOUR PRVCA 77 034305 |
| ^{26}Mg | 2007TAZS | NUCLEAR REACTIONS $^{26}\text{Mg}(\text{p}, \text{p}')$ E=295 MeV; measured $E\text{p}$, $I\text{p}$; ^{26}Mg ; deduced M1, E1 excitations. Cyclotron, Large Acceptance Spectrometer. CONF Kyoto(Spin Physics) Proc.P811,Tamii |
| | 2008TR04 | RADIOACTIVITY $^{32}\text{Na}(\beta^-)$ [from $^9\text{Be}(^{48}\text{Ca}, \text{X})$, E=140 MeV / nucleon]; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, half-lives; deduced $I\beta$, B(GT), logft. ^{32}Mg ; deduced levels, J π . $^{26,28,30,34,36}\text{Mg}$, $^{28,30,32,34,36,38}\text{Si}$; systematics. Comparison with shell-model calculations. JOUR PRVCA 77 034310 |
| ^{26}Al | 2008F004 | NUCLEAR REACTIONS $^{25}\text{Mg}(\text{p}, \gamma)$, E not given; measured $E\gamma$, $I\gamma$; deduced resonance strengths. JOUR JPGPE 35 014013 |
| | 2008HAZZ | RADIOACTIVITY ^{10}C , ^{14}O , ^{22}Mg , $^{26\text{m}}\text{Al}$, ^{34}Cl , ^{34}Ar , $^{38\text{m}}\text{K}$, ^{42}Sc , ^{46}V , ^{50}Mn , ^{54}Co , ^{62}Ga , ^{74}Rb ; analyzed superallowed β -decay data. $^{34}\text{Ar}(\beta^+)$, (EC) [from $^1\text{H}(^{35}\text{Cl}, 2\text{n})$, E=35 MeV / nucleon]; measured $E\gamma$, $I\gamma$, $E\beta$, $\beta\gamma$ coin; deduced β^+ +EC branches for superallowed β decay. CONF Sinaia(Exotic Nuclei and Nucl.Part.Astrophysics(II)) Proc.P119,Ha |
| | 2008JA03 | NUCLEAR REACTIONS ^1H , $^2\text{H}(^{28}\text{Si}, \text{X})$, E=200, 300 MeV / nucleon; measured σ , $\sigma(\theta)$. He, $^{12,14}\text{N}$, ^{16}O , ^{18}F , ^{20}Ne , ^{22}Na , ^{24}Mg , ^{26}Al , ^{28}Si ; measured momentum distributions, angular distributions; deduced single-event effects in microelectronics. JOUR PRVCA 77 044601 |

KEYNUMBERS AND KEYWORDS

A=26 (continued)

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| ^{26}Si | 2007YOZW | NUCLEAR REACTIONS $^{208}\text{Pb}(^{23}\text{Al}, \text{p}^{22}\text{Mg})^{208}\text{Pb}$, E=50 MeV / nucleon; $\text{Pb}(^{27}\text{P}, \text{p}^{26}\text{Si})\text{Pb}$, E=57 MeV / nucleon; measured E_{p} , I_{p} , $\text{p}(\theta)$, charged products, $\sigma(\theta)$. ^{22}Mg ; deduced levels. ^{26}Si ; deduced levels. CONF Lisbon (PROCON 2007), Proc.P246, Yoneda |
| ^{26}S | 2008GA10 | NUCLEAR REACTIONS $^9\text{Be}(^{36}\text{Ar}, \text{X})^{19}\text{F} / ^{20}\text{Ne} / ^{21}\text{Na} / ^{22}\text{Mg} / ^{23}\text{Al}$, E=130 MeV / nucleon; measured energy loss, intensities for reaction products. $^9\text{Be}(^{24}\text{Si}, \text{X})^{23}\text{Al} / ^{23}\text{Si}$, E=85.3 MeV / nucleon; measured single-particle cross sections, momentum distributions, spectroscopic factors. $^9\text{Be}(^{28}\text{S}, \text{X})^{27}\text{P}$, E=80.7 MeV / nucleon; measured E_{γ} , I_{γ} . $^9\text{Be}(^{28}\text{S}, \text{X})^{27}\text{P} / ^{27}\text{S}$, E=80.7 MeV / nucleon; measured single particle cross sections, spectroscopic factors, momentum distributions. ^7Li , ^8B , $^{9,12,15}\text{C}$, ^{16}O , $^{32,34,36}\text{Ar}$, $^{24,30}\text{Si}$, $^{26,28}\text{S}$, ^{31}P , $^{40,48}\text{Ca}$, ^{51}V , ^{90}Zr , ^{208}Pb ; systematics of cross sections. JOUR PRVCA 77 044306 |

A=27

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| ^{27}Ne | 2008EL02 | NUCLEAR REACTIONS $^1\text{H}(^{28}\text{Ne}, ^{27}\text{Ne})$, E \approx 51.3 MeV / nucleon; $^{22}\text{O}(\text{d}, \text{p})^{23}\text{O}$, E=34 MeV / nucleon; measured E_{γ} , I_{γ} , cross sections. ^{27}Ne , ^{23}O ; deduced levels, J, π , Spectroscopic factors. Compared results to model calculations. JOUR JPGPE 35 014038 |
| ^{27}Mg | 2008K005 | NUCLEAR MOMENTS $^{25,27,29,31}\text{Mg}$ [from $^{238}\text{U}(\text{p}, \text{X})$, E=1.4 GeV]; measured J, π of ground states, magnetic moments, hyperfine structure using laser and β -NMR spectroscopy. Compared with shell-model calculations. JOUR PRVCA 77 034307 |
| ^{27}P | 2008GA10 | NUCLEAR REACTIONS $^9\text{Be}(^{36}\text{Ar}, \text{X})^{19}\text{F} / ^{20}\text{Ne} / ^{21}\text{Na} / ^{22}\text{Mg} / ^{23}\text{Al}$, E=130 MeV / nucleon; measured energy loss, intensities for reaction products. $^9\text{Be}(^{24}\text{Si}, \text{X})^{23}\text{Al} / ^{23}\text{Si}$, E=85.3 MeV / nucleon; measured single-particle cross sections, momentum distributions, spectroscopic factors. $^9\text{Be}(^{28}\text{S}, \text{X})^{27}\text{P}$, E=80.7 MeV / nucleon; measured E_{γ} , I_{γ} . $^9\text{Be}(^{28}\text{S}, \text{X})^{27}\text{P} / ^{27}\text{S}$, E=80.7 MeV / nucleon; measured single particle cross sections, spectroscopic factors, momentum distributions. ^7Li , ^8B , $^{9,12,15}\text{C}$, ^{16}O , $^{32,34,36}\text{Ar}$, $^{24,30}\text{Si}$, $^{26,28}\text{S}$, ^{31}P , $^{40,48}\text{Ca}$, ^{51}V , ^{90}Zr , ^{208}Pb ; systematics of cross sections. JOUR PRVCA 77 044306 |

A=28

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| ^{28}Mg | 2008TR04 | RADIOACTIVITY $^{32}\text{Na}(\beta^-)$ [from $^9\text{Be}(^{48}\text{Ca}, \text{X})$, E=140 MeV / nucleon]; measured E_{γ} , I_{γ} , $\gamma\gamma$ -coin, half-lives; deduced I_{β} , B(GT), logft. ^{32}Mg ; deduced levels, J π . $^{26,28,30,34,36}\text{Mg}$, $^{28,30,32,34,36,38}\text{Si}$; systematics. Comparison with shell-model calculations. JOUR PRVCA 77 034310 |
| ^{28}Al | 2008HA14 | NUCLEAR REACTIONS ^1H , ^{12}C , $^{28}\text{Si}(\text{e}, \text{e}'\text{K}^+)$, E=1.8 GeV; measured hypernuclei missing mass spectra using the Tilt method. JOUR NUPAB 804 125 |

KEYNUMBERS AND KEYWORDS

A=28 (continued)

- 2008HI05 NUCLEAR REACTIONS $^{18}\text{O}(^{14}\text{C}, \text{np})$, $E=22$ MeV; measured E_γ , I_γ , (particle) γ -coin, $\gamma(\theta)$. ^{30}Al ; deduced levels, J , π , comparison with shell-model calculations. ^{26}Na , $^{28,32}\text{Al}$, $^{30,32,34}\text{P}$; systematics. JOUR PRVCA 77 034305
- 2008PE12 NUCLEAR REACTIONS $^{27}\text{Al}(\text{d}, \text{p})$, (d, α) , $^{28,29}\text{Si}(\text{d}, \text{p})$, $E=1-2$ MeV; measured $\sigma(\theta, E)$. Comparison with other data. JOUR NIMBE 266 2268
- 2008ST11 NUCLEAR REACTIONS $^{24}\text{Mg}(\alpha, \gamma)$, $E=1.0-1.5$ MeV; measured E_γ , I_γ , $\gamma\gamma$ -coin, branching ratios, resonance strengths. ^{28}Si ; deduced levels, J , π , reaction rates. ^{13}C , ^{17}O , $^{21,22}\text{Ne}$, $^{25}\text{Mg}(\alpha, \text{n})$; ^{16}O , $^{20}\text{Ne}(\alpha, \gamma)$; ^{23}Na , ^{24}Mg , $^{27}\text{Al}(\text{p}, \gamma)$; ^{23}Na , ^{24}Mg , ^{27}Al , $^{28}\text{Si}(\text{n}, \gamma)$; $^{25}\text{Al}(\gamma, \text{p})$; $^{27}\text{Al}(\text{p}, \alpha)$; analyzed reaction rates. JOUR PRVCA 77 055801
- ^{28}Si 2008JA03 NUCLEAR REACTIONS ^1H , $^2\text{H}(^{28}\text{Si}, \text{X})$, $E=200, 300$ MeV / nucleon; measured σ , $\sigma(\theta)$. He, $^{12,14}\text{N}$, ^{16}O , ^{18}F , ^{20}Ne , ^{22}Na , ^{24}Mg , ^{26}Al , ^{28}Si ; measured momentum distributions, angular distributions; deduced single-event effects in microelectronics. JOUR PRVCA 77 044601
- 2008ST11 NUCLEAR REACTIONS $^{24}\text{Mg}(\alpha, \gamma)$, $E=1.0-1.5$ MeV; measured E_γ , I_γ , $\gamma\gamma$ -coin, branching ratios, resonance strengths. ^{28}Si ; deduced levels, J , π , reaction rates. ^{13}C , ^{17}O , $^{21,22}\text{Ne}$, $^{25}\text{Mg}(\alpha, \text{n})$; ^{16}O , $^{20}\text{Ne}(\alpha, \gamma)$; ^{23}Na , ^{24}Mg , $^{27}\text{Al}(\text{p}, \gamma)$; ^{23}Na , ^{24}Mg , ^{27}Al , $^{28}\text{Si}(\text{n}, \gamma)$; $^{25}\text{Al}(\gamma, \text{p})$; $^{27}\text{Al}(\text{p}, \alpha)$; analyzed reaction rates. JOUR PRVCA 77 055801
- 2008TR04 RADIOACTIVITY $^{32}\text{Na}(\beta^-)$ [from $^9\text{Be}(^{48}\text{Ca}, \text{X})$, $E=140$ MeV / nucleon]; measured E_γ , I_γ , $\gamma\gamma$ -coin, half-lives; deduced I_β , $B(\text{GT})$, logft. ^{32}Mg ; deduced levels, $J\pi$. $^{26,28,30,34,36}\text{Mg}$, $^{28,30,32,34,36,38}\text{Si}$; systematics. Comparison with shell-model calculations. JOUR PRVCA 77 034310
- ^{28}S 2008GA10 NUCLEAR REACTIONS $^9\text{Be}(^{36}\text{Ar}, \text{X})^{19}\text{F} / ^{20}\text{Ne} / ^{21}\text{Na} / ^{22}\text{Mg} / ^{23}\text{Al}$, $E=130$ MeV / nucleon; measured energy loss, intensities for reaction products. $^9\text{Be}(^{24}\text{Si}, \text{X})^{23}\text{Al} / ^{23}\text{Si}$, $E=85.3$ MeV / nucleon; measured single-particle cross sections, momentum distributions, spectroscopic factors. $^9\text{Be}(^{28}\text{S}, \text{X})^{27}\text{P}$, $E=80.7$ MeV / nucleon; measured E_γ , I_γ . $^9\text{Be}(^{28}\text{S}, \text{X})^{27}\text{P} / ^{27}\text{S}$, $E=80.7$ MeV / nucleon; measured single particle cross sections, spectroscopic factors, momentum distributions. ^7Li , ^8B , $^{9,12,15}\text{C}$, ^{16}O , $^{32,34,36}\text{Ar}$, $^{24,30}\text{Si}$, $^{26,28}\text{S}$, ^{31}P , $^{40,48}\text{Ca}$, ^{51}V , ^{90}Zr , ^{208}Pb ; systematics of cross sections. JOUR PRVCA 77 044306

A=29

- ^{29}Mg 2008K005 NUCLEAR MOMENTS $^{25,27,29,31}\text{Mg}$ [from $^{238}\text{U}(\text{p}, \text{X})$, $E=1.4$ GeV]; measured J , π of ground states, magnetic moments, hyperfine structure using laser and β -NMR spectroscopy. Compared with shell-model calculations. JOUR PRVCA 77 034307
- ^{29}Al 2008HI05 RADIOACTIVITY $^{30}\text{Mg}(\beta^-)$, $(\beta^- \text{n})$, $(2\beta^-)$ [from $^9\text{Be}(^{48}\text{Ca}, \text{X})$, $E=140$ MeV / nucleon]; measured E_γ , I_γ , $\beta\gamma$ -coin, $\beta\gamma\gamma$ -coin, half-lives. ^{30}Al ; deduced levels, J , π . JOUR PRVCA 77 034305

KEYNUMBERS AND KEYWORDS

A=29 (continued)

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| ^{29}Si | 2008PE12 | NUCLEAR REACTIONS $^{27}\text{Al}(\text{d}, \text{p}), (\text{d}, \alpha), ^{28,29}\text{Si}(\text{d}, \text{p}), \text{E}=1\text{-}2 \text{ MeV}$; measured $\sigma(\theta, \text{E})$. Comparison with other data. JOUR NIMBE 266 2268 |
| | 2008ST11 | NUCLEAR REACTIONS $^{24}\text{Mg}(\alpha, \gamma), \text{E}=1.0\text{-}1.5 \text{ MeV}$; measured $\text{E}\gamma, \text{I}\gamma, \gamma\gamma\text{-coin}$, branching ratios, resonance strengths. ^{28}Si ; deduced levels, J, π , reaction rates. $^{13}\text{C}, ^{17}\text{O}, ^{21,22}\text{Ne}, ^{25}\text{Mg}(\alpha, \text{n}); ^{16}\text{O}, ^{20}\text{Ne}(\alpha, \gamma); ^{23}\text{Na}, ^{24}\text{Mg}, ^{27}\text{Al}(\text{p}, \gamma); ^{23}\text{Na}, ^{24}\text{Mg}, ^{27}\text{Al}, ^{28}\text{Si}(\text{n}, \gamma); ^{25}\text{Al}(\gamma, \text{p}); ^{27}\text{Al}(\text{p}, \alpha)$; analyzed reaction rates. JOUR PRVCA 77 055801 |
| ^{29}S | 2007LIZQ | NUCLEAR REACTIONS $^{12}\text{C}(^{29}\text{S}, \text{X})^{29}\text{S}, \text{E}=46.8 \text{ MeV / nucleon}$; measured $\text{E}\text{p}, \text{I}\text{p}, \text{pp-coin}$. ^{29}S ; deduced $\sigma(1\text{p}), \sigma(2\text{p})$. CONF Lisbon (PROCON 2007), Proc.P117,Lin |

A=30

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| ^{30}Na | 2008TR04 | NUCLEAR REACTIONS $^9\text{Be}(^{48}\text{Ca}, \text{X})^{30}\text{Na} / ^{31}\text{Na} / ^{32}\text{Na} / ^{33}\text{Mg}, \text{E}=140 \text{ MeV / nucleon}$; measured yields. JOUR PRVCA 77 034310 |
| ^{30}Mg | 2008HI05 | RADIOACTIVITY $^{30}\text{Mg}(\beta^-), (\beta^- \text{n}), (2\beta^-)$ [from $^9\text{Be}(^{48}\text{Ca}, \text{X}), \text{E}=140 \text{ MeV / nucleon}$]; measured $\text{E}\gamma, \text{I}\gamma, \beta\gamma\text{-coin}, \beta\gamma\gamma\text{-coin}$, half-lives. ^{30}Al ; deduced levels, J, π . JOUR PRVCA 77 034305 |
| | 2008TR04 | RADIOACTIVITY $^{32}\text{Na}(\beta^-)$ [from $^9\text{Be}(^{48}\text{Ca}, \text{X}), \text{E}=140 \text{ MeV / nucleon}$]; measured $\text{E}\gamma, \text{I}\gamma, \gamma\gamma\text{-coin}$, half-lives; deduced $\text{I}\beta, \text{B}(\text{GT}), \log\text{ft}$. ^{32}Mg ; deduced levels, $\text{J}\pi$. $^{26,28,30,34,36}\text{Mg}, ^{28,30,32,34,36,38}\text{Si}$; systematics. Comparison with shell-model calculations. JOUR PRVCA 77 034310 |
| ^{30}Al | 2008HI05 | RADIOACTIVITY $^{30}\text{Mg}(\beta^-), (\beta^- \text{n}), (2\beta^-)$ [from $^9\text{Be}(^{48}\text{Ca}, \text{X}), \text{E}=140 \text{ MeV / nucleon}$]; measured $\text{E}\gamma, \text{I}\gamma, \beta\gamma\text{-coin}, \beta\gamma\gamma\text{-coin}$, half-lives. ^{30}Al ; deduced levels, J, π . JOUR PRVCA 77 034305 |
| | 2008HI05 | NUCLEAR REACTIONS $^{18}\text{O}(^{14}\text{C}, \text{np}), \text{E}=22 \text{ MeV}$; measured $\text{E}\gamma, \text{I}\gamma, (\text{particle})\gamma\text{-coin}, \gamma(\theta)$. ^{30}Al ; deduced levels, J, π , comparison with shell-model calculations. $^{26}\text{Na}, ^{28,32}\text{Al}, ^{30,32,34}\text{P}$; systematics. JOUR PRVCA 77 034305 |
| ^{30}Si | 2008GA10 | NUCLEAR REACTIONS $^9\text{Be}(^{36}\text{Ar}, \text{X})^{19}\text{F} / ^{20}\text{Ne} / ^{21}\text{Na} / ^{22}\text{Mg} / ^{23}\text{Al}, \text{E}=130 \text{ MeV / nucleon}$; measured energy loss, intensities for reaction products. $^9\text{Be}(^{24}\text{Si}, \text{X})^{23}\text{Al} / ^{23}\text{Si}, \text{E}=85.3 \text{ MeV / nucleon}$; measured single-particle cross sections, momentum distributions, spectroscopic factors. $^9\text{Be}(^{28}\text{S}, \text{X})^{27}\text{P}, \text{E}=80.7 \text{ MeV / nucleon}$; measured $\text{E}\gamma, \text{I}\gamma$. $^9\text{Be}(^{28}\text{S}, \text{X})^{27}\text{P} / ^{27}\text{S}, \text{E}=80.7 \text{ MeV / nucleon}$; measured single particle cross sections, spectroscopic factors, momentum distributions. $^7\text{Li}, ^8\text{B}, ^{9,12,15}\text{C}, ^{16}\text{O}, ^{32,34,36}\text{Ar}, ^{24,30}\text{Si}, ^{26,28}\text{S}, ^{31}\text{P}, ^{40,48}\text{Ca}, ^{51}\text{V}, ^{90}\text{Zr}, ^{208}\text{Pb}$; systematics of cross sections. JOUR PRVCA 77 044306 |
| | 2008HI05 | RADIOACTIVITY $^{30}\text{Mg}(\beta^-), (\beta^- \text{n}), (2\beta^-)$ [from $^9\text{Be}(^{48}\text{Ca}, \text{X}), \text{E}=140 \text{ MeV / nucleon}$]; measured $\text{E}\gamma, \text{I}\gamma, \beta\gamma\text{-coin}, \beta\gamma\gamma\text{-coin}$, half-lives. ^{30}Al ; deduced levels, J, π . JOUR PRVCA 77 034305 |
| | 2008PE12 | NUCLEAR REACTIONS $^{27}\text{Al}(\text{d}, \text{p}), (\text{d}, \alpha), ^{28,29}\text{Si}(\text{d}, \text{p}), \text{E}=1\text{-}2 \text{ MeV}$; measured $\sigma(\theta, \text{E})$. Comparison with other data. JOUR NIMBE 266 2268 |

KEYNUMBERS AND KEYWORDS

A=30 (continued)

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| | 2008TR04 | RADIOACTIVITY $^{32}\text{Na}(\beta^-)$ [from $^9\text{Be}(^{48}\text{Ca}, \text{X})$, E=140 MeV / nucleon]; measured E_γ , I_γ , $\gamma\gamma$ -coin, half-lives; deduced $I\beta$, B(GT), logft. ^{32}Mg ; deduced levels, $J\pi$. $^{26,28,30,34,36}\text{Mg}$, $^{28,30,32,34,36,38}\text{Si}$; systematics. Comparison with shell-model calculations. JOUR PRVCA 77 034310 |
| ^{30}P | 2008HI05 | NUCLEAR REACTIONS $^{18}\text{O}(^{14}\text{C}, \text{np})$, E=22 MeV; measured E_γ , I_γ , (particle) γ -coin, $\gamma(\theta)$. ^{30}Al ; deduced levels, J, π , comparison with shell-model calculations. ^{26}Na , $^{28,32}\text{Al}$, $^{30,32,34}\text{P}$; systematics. JOUR PRVCA 77 034305 |
| ^{30}S | 2008GA07 | NUCLEAR REACTIONS $^1\text{H}(^{31}\text{S}, ^{30}\text{S})$, E=71 MeV / nucleon; measured E_γ , I_γ , $\gamma\gamma$ -, (particle) γ -coin. ^{30}S ; deduced level energies, J, π . JOUR JPGPE 35 014030 |

A=31

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| ^{31}Na | 2008TR04 | NUCLEAR REACTIONS $^9\text{Be}(^{48}\text{Ca}, \text{X})^{30}\text{Na} / ^{31}\text{Na} / ^{32}\text{Na} / ^{33}\text{Mg}$, E=140 MeV / nucleon; measured yields. JOUR PRVCA 77 034310 |
| ^{31}Mg | 2008K005 | NUCLEAR MOMENTS $^{25,27,29,31}\text{Mg}$ [from $^{238}\text{U}(\text{p}, \text{X})$, E=1.4 GeV]; measured J, π of ground states, magnetic moments, hyperfine structure using laser and β -NMR spectroscopy. Compared with shell-model calculations. JOUR PRVCA 77 034307 |
| ^{31}Al | 2007NAZP | RADIOACTIVITY $^{31}\text{Al}(\beta^-)$ [from fragmentation of ^{40}Ar projectile]; measured β -spectra; ^{31}Al ; deduced quadrupole moment. Polarized target, electric field gradient method. CONF Kyoto(Spin Physics) Proc.P853,Nagae |
| ^{31}Si | 2007NAZP | RADIOACTIVITY $^{31}\text{Al}(\beta^-)$ [from fragmentation of ^{40}Ar projectile]; measured β -spectra; ^{31}Al ; deduced quadrupole moment. Polarized target, electric field gradient method. CONF Kyoto(Spin Physics) Proc.P853,Nagae |
| ^{31}P | 2008GA10 | NUCLEAR REACTIONS $^9\text{Be}(^{36}\text{Ar}, \text{X})^{19}\text{F} / ^{20}\text{Ne} / ^{21}\text{Na} / ^{22}\text{Mg} / ^{23}\text{Al}$, E=130 MeV / nucleon; measured energy loss, intensities for reaction products. $^9\text{Be}(^{24}\text{Si}, \text{X})^{23}\text{Al} / ^{23}\text{Si}$, E=85.3 MeV / nucleon; measured single-particle cross sections, momentum distributions, spectroscopic factors. $^9\text{Be}(^{28}\text{S}, \text{X})^{27}\text{P}$, E=80.7 MeV / nucleon; measured E_γ , I_γ . $^9\text{Be}(^{28}\text{S}, \text{X})^{27}\text{P} / ^{27}\text{S}$, E=80.7 MeV / nucleon; measured single particle cross sections, spectroscopic factors, momentum distributions. ^7Li , ^8B , $^{9,12,15}\text{C}$, ^{16}O , $^{32,34,36}\text{Ar}$, $^{24,30}\text{Si}$, $^{26,28}\text{S}$, ^{31}P , $^{40,48}\text{Ca}$, ^{51}V , ^{90}Zr , ^{208}Pb ; systematics of cross sections. JOUR PRVCA 77 044306 |

A=32

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| ^{32}Na | 2008TR04 | NUCLEAR REACTIONS $^9\text{Be}(^{48}\text{Ca}, \text{X})^{30}\text{Na} / ^{31}\text{Na} / ^{32}\text{Na} / ^{33}\text{Mg}$, E=140 MeV / nucleon; measured yields. JOUR PRVCA 77 034310 |
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KEYNUMBERS AND KEYWORDS

A=32 (continued)

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| | 2008TR04 | RADIOACTIVITY $^{32}\text{Na}(\beta^-)$ [from $^9\text{Be}(^{48}\text{Ca}, \text{X})$, E=140 MeV / nucleon]; measured E_γ , I_γ , $\gamma\gamma$ -coin, half-lives; deduced $I\beta$, B(GT), logft. ^{32}Mg ; deduced levels, $J\pi$. $^{26,28,30,34,36}\text{Mg}$, $^{28,30,32,34,36,38}\text{Si}$; systematics. Comparison with shell-model calculations. JOUR PRVCA 77 034310 |
| ^{32}Mg | 2008TR04 | RADIOACTIVITY $^{32}\text{Na}(\beta^-)$ [from $^9\text{Be}(^{48}\text{Ca}, \text{X})$, E=140 MeV / nucleon]; measured E_γ , I_γ , $\gamma\gamma$ -coin, half-lives; deduced $I\beta$, B(GT), logft. ^{32}Mg ; deduced levels, $J\pi$. $^{26,28,30,34,36}\text{Mg}$, $^{28,30,32,34,36,38}\text{Si}$; systematics. Comparison with shell-model calculations. JOUR PRVCA 77 034310 |
| ^{32}Al | 2007KAZP | RADIOACTIVITY $^{32}\text{Al}(\beta^-)$ [from fragmentation of ^{40}Ar projectile]; measured β -spectra; ^{32}Al ; deduced quadrupole moment. Polarized target, electric field gradient method. CONF Kyoto(Spin Physics) Proc.P845,Kameda |
| | 2008HI05 | NUCLEAR REACTIONS $^{18}\text{O}(^{14}\text{C}, \text{np})$, E=22 MeV; measured E_γ , I_γ , (particle) γ -coin, $\gamma(\theta)$. ^{30}Al ; deduced levels, J, π , comparison with shell-model calculations. ^{26}Na , $^{28,32}\text{Al}$, $^{30,32,34}\text{P}$; systematics. JOUR PRVCA 77 034305 |
| ^{32}Si | 2007KAZP | RADIOACTIVITY $^{32}\text{Al}(\beta^-)$ [from fragmentation of ^{40}Ar projectile]; measured β -spectra; ^{32}Al ; deduced quadrupole moment. Polarized target, electric field gradient method. CONF Kyoto(Spin Physics) Proc.P845,Kameda |
| | 2008TR04 | RADIOACTIVITY $^{32}\text{Na}(\beta^-)$ [from $^9\text{Be}(^{48}\text{Ca}, \text{X})$, E=140 MeV / nucleon]; measured E_γ , I_γ , $\gamma\gamma$ -coin, half-lives; deduced $I\beta$, B(GT), logft. ^{32}Mg ; deduced levels, $J\pi$. $^{26,28,30,34,36}\text{Mg}$, $^{28,30,32,34,36,38}\text{Si}$; systematics. Comparison with shell-model calculations. JOUR PRVCA 77 034310 |
| ^{32}P | 2008HI05 | NUCLEAR REACTIONS $^{18}\text{O}(^{14}\text{C}, \text{np})$, E=22 MeV; measured E_γ , I_γ , (particle) γ -coin, $\gamma(\theta)$. ^{30}Al ; deduced levels, J, π , comparison with shell-model calculations. ^{26}Na , $^{28,32}\text{Al}$, $^{30,32,34}\text{P}$; systematics. JOUR PRVCA 77 034305 |
| ^{32}Ar | 2008GA10 | NUCLEAR REACTIONS $^9\text{Be}(^{36}\text{Ar}, \text{X})^{19}\text{F} / ^{20}\text{Ne} / ^{21}\text{Na} / ^{22}\text{Mg} / ^{23}\text{Al}$, E=130 MeV / nucleon; measured energy loss, intensities for reaction products. $^9\text{Be}(^{24}\text{Si}, \text{X})^{23}\text{Al} / ^{23}\text{Si}$, E=85.3 MeV / nucleon; measured single-particle cross sections, momentum distributions, spectroscopic factors. $^9\text{Be}(^{28}\text{S}, \text{X})^{27}\text{P}$, E=80.7 MeV / nucleon; measured E_γ , I_γ . $^9\text{Be}(^{28}\text{S}, \text{X})^{27}\text{P} / ^{27}\text{S}$, E=80.7 MeV / nucleon; measured single particle cross sections, spectroscopic factors, momentum distributions. ^7Li , ^8B , $^{9,12,15}\text{C}$, ^{16}O , $^{32,34,36}\text{Ar}$, $^{24,30}\text{Si}$, $^{26,28}\text{S}$, ^{31}P , $^{40,48}\text{Ca}$, ^{51}V , ^{90}Zr , ^{208}Pb ; systematics of cross sections. JOUR PRVCA 77 044306 |

A=33

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| ^{33}Mg | 2008TR04 | NUCLEAR REACTIONS $^9\text{Be}(^{48}\text{Ca}, \text{X})^{30}\text{Na} / ^{31}\text{Na} / ^{32}\text{Na} / ^{33}\text{Mg}$, E=140 MeV / nucleon; measured yields. JOUR PRVCA 77 034310 |
| ^{33}S | 2008LA07 | NUCLEAR REACTIONS $^{32}\text{S}(\text{d}, \text{p})$, E=1975-2600 keV; measured $\sigma(\theta)$. Comparison with other data. JOUR NIMBE 266 2259 |

A=34

- ^{34}Mg 2008TR04 RADIOACTIVITY $^{32}\text{Na}(\beta^-)$ [from $^9\text{Be}(^{48}\text{Ca}, \text{X})$, E=140 MeV / nucleon]; measured E_γ , I_γ , $\gamma\gamma$ -coin, half-lives; deduced $I\beta$, B(GT), logft. ^{32}Mg ; deduced levels, $J\pi$. $^{26,28,30,34,36}\text{Mg}$, $^{28,30,32,34,36,38}\text{Si}$; systematics. Comparison with shell-model calculations. JOUR PRVCA 77 034310
- ^{34}Si 2008TR04 RADIOACTIVITY $^{32}\text{Na}(\beta^-)$ [from $^9\text{Be}(^{48}\text{Ca}, \text{X})$, E=140 MeV / nucleon]; measured E_γ , I_γ , $\gamma\gamma$ -coin, half-lives; deduced $I\beta$, B(GT), logft. ^{32}Mg ; deduced levels, $J\pi$. $^{26,28,30,34,36}\text{Mg}$, $^{28,30,32,34,36,38}\text{Si}$; systematics. Comparison with shell-model calculations. JOUR PRVCA 77 034310
- ^{34}P 2008HI05 NUCLEAR REACTIONS $^{18}\text{O}(^{14}\text{C}, \text{np})$, E=22 MeV; measured E_γ , I_γ , (particle) γ -coin, $\gamma(\theta)$. ^{30}Al ; deduced levels, J, π , comparison with shell-model calculations. ^{26}Na , $^{28,32}\text{Al}$, $^{30,32,34}\text{P}$; systematics. JOUR PRVCA 77 034305
- ^{34}Cl 2008HAZZ RADIOACTIVITY ^{10}C , ^{14}O , ^{22}Mg , ^{26m}Al , ^{34}Cl , ^{34}Ar , ^{38m}K , ^{42}Sc , ^{46}V , ^{50}Mn , ^{54}Co , ^{62}Ga , ^{74}Rb ; analyzed superallowed β -decay data. $^{34}\text{Ar}(\beta^+)$, (EC) [from $^1\text{H}(^{35}\text{Cl}, 2\text{n})$, E=35 MeV / nucleon]; measured E_γ , I_γ , $E\beta$, $\beta\gamma$ coin; deduced β^+ +EC branches for superallowed β decay. CONF Sinaia(Exotic Nuclei and Nucl.Part.Astrophysics(II)) Proc.P119,Ha
- ^{34}Ar 2008GA10 NUCLEAR REACTIONS $^9\text{Be}(^{36}\text{Ar}, \text{X})^{19}\text{F} / ^{20}\text{Ne} / ^{21}\text{Na} / ^{22}\text{Mg} / ^{23}\text{Al}$, E=130 MeV / nucleon; measured energy loss, intensities for reaction products. $^9\text{Be}(^{24}\text{Si}, \text{X})^{23}\text{Al} / ^{23}\text{Si}$, E=85.3 MeV / nucleon; measured single-particle cross sections, momentum distributions, spectroscopic factors. $^9\text{Be}(^{28}\text{S}, \text{X})^{27}\text{P}$, E=80.7 MeV / nucleon; measured E_γ , I_γ . $^9\text{Be}(^{28}\text{S}, \text{X})^{27}\text{P} / ^{27}\text{S}$, E=80.7 MeV / nucleon; measured single particle cross sections, spectroscopic factors, momentum distributions. ^7Li , ^8B , $^{9,12,15}\text{C}$, ^{16}O , $^{32,34,36}\text{Ar}$, $^{24,30}\text{Si}$, $^{26,28}\text{S}$, ^{31}P , $^{40,48}\text{Ca}$, ^{51}V , ^{90}Zr , ^{208}Pb ; systematics of cross sections. JOUR PRVCA 77 044306
- 2008HAZZ RADIOACTIVITY ^{10}C , ^{14}O , ^{22}Mg , ^{26m}Al , ^{34}Cl , ^{34}Ar , ^{38m}K , ^{42}Sc , ^{46}V , ^{50}Mn , ^{54}Co , ^{62}Ga , ^{74}Rb ; analyzed superallowed β -decay data. $^{34}\text{Ar}(\beta^+)$, (EC) [from $^1\text{H}(^{35}\text{Cl}, 2\text{n})$, E=35 MeV / nucleon]; measured E_γ , I_γ , $E\beta$, $\beta\gamma$ coin; deduced β^+ +EC branches for superallowed β decay. CONF Sinaia(Exotic Nuclei and Nucl.Part.Astrophysics(II)) Proc.P119,Ha

A=35

- ^{35}S 2008MI07 RADIOACTIVITY $^{37}\text{K}(\beta^+)$; measured electric quadrupole moment using the β -NQR technique. ^{35}S , ^{37}Ar , $^{35,37,39}\text{K}$, ^{39}Ca ; analyzed electric quadrupole moment using shell model and effective charge dependency. JOUR PYLBB 662 389
- ^{35}K 2008MI07 RADIOACTIVITY $^{37}\text{K}(\beta^+)$; measured electric quadrupole moment using the β -NQR technique. ^{35}S , ^{37}Ar , $^{35,37,39}\text{K}$, ^{39}Ca ; analyzed electric quadrupole moment using shell model and effective charge dependency. JOUR PYLBB 662 389

KEYNUMBERS AND KEYWORDS

A=36

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| ^{36}Mg | 2008TR04 | RADIOACTIVITY $^{32}\text{Na}(\beta^-)$ [from $^9\text{Be}(^{48}\text{Ca}, \text{X})$, E=140 MeV / nucleon]; measured E_γ , I_γ , $\gamma\gamma$ -coin, half-lives; deduced $I\beta$, B(GT), logft. ^{32}Mg ; deduced levels, $J\pi$. $^{26,28,30,34,36}\text{Mg}$, $^{28,30,32,34,36,38}\text{Si}$; systematics. Comparison with shell-model calculations. JOUR PRVCA 77 034310 |
| ^{36}Si | 2008TR04 | RADIOACTIVITY $^{32}\text{Na}(\beta^-)$ [from $^9\text{Be}(^{48}\text{Ca}, \text{X})$, E=140 MeV / nucleon]; measured E_γ , I_γ , $\gamma\gamma$ -coin, half-lives; deduced $I\beta$, B(GT), logft. ^{32}Mg ; deduced levels, $J\pi$. $^{26,28,30,34,36}\text{Mg}$, $^{28,30,32,34,36,38}\text{Si}$; systematics. Comparison with shell-model calculations. JOUR PRVCA 77 034310 |
| ^{36}S | 2008NE04 | NUCLEAR REACTIONS $^{40}\text{Ca}(\text{polarized p}, \text{p}\alpha)$, E=100 MeV; measured analyzing powers, comparison with theory. ^{36}S ; deduced levels, J. DWIA calculations. JOUR PRVCA 77 037601 |
| ^{36}Ar | 2008GA10 | NUCLEAR REACTIONS $^9\text{Be}(^{36}\text{Ar}, \text{X})^{19}\text{F} / ^{20}\text{Ne} / ^{21}\text{Na} / ^{22}\text{Mg} / ^{23}\text{Al}$, E=130 MeV / nucleon; measured energy loss, intensities for reaction products. $^9\text{Be}(^{24}\text{Si}, \text{X})^{23}\text{Al} / ^{23}\text{Si}$, E=85.3 MeV / nucleon; measured single-particle cross sections, momentum distributions, spectroscopic factors. $^9\text{Be}(^{28}\text{S}, \text{X})^{27}\text{P}$, E=80.7 MeV / nucleon; measured E_γ , I_γ . $^9\text{Be}(^{28}\text{S}, \text{X})^{27}\text{P} / ^{27}\text{S}$, E=80.7 MeV / nucleon; measured single particle cross sections, spectroscopic factors, momentum distributions. ^7Li , ^8B , $^{9,12,15}\text{C}$, ^{16}O , $^{32,34,36}\text{Ar}$, $^{24,30}\text{Si}$, $^{26,28}\text{S}$, ^{31}P , $^{40,48}\text{Ca}$, ^{51}V , ^{90}Zr , ^{208}Pb ; systematics of cross sections. JOUR PRVCA 77 044306 |
| | 2008NE04 | NUCLEAR REACTIONS $^{40}\text{Ca}(\text{polarized p}, \text{p}\alpha)$, E=100 MeV; measured analyzing powers, comparison with theory. ^{36}S ; deduced levels, J. DWIA calculations. JOUR PRVCA 77 037601 |

A=37

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| ^{37}Cl | 2008KA10 | NUCLEAR REACTIONS ^{36}S , $^{38}\text{Ar}(\text{p}, \gamma)$, E=0.8-2.8 MeV; measured E_γ , I_γ . ^{37}Cl ; deduced levels, B(M1). ^{37}Cl , ^{39}K ; deduced total MDR strength functions. JOUR BRSPE 72 403 |
| ^{37}Ar | 2008MI07 | RADIOACTIVITY $^{37}\text{K}(\beta^+)$; measured electric quadrupole moment using the β -NQR technique. ^{35}S , ^{37}Ar , $^{35,37,39}\text{K}$, ^{39}Ca ; analyzed electric quadrupole moment using shell model and effective charge dependency. JOUR PYLBB 662 389 |
| ^{37}K | 2008MI07 | RADIOACTIVITY $^{37}\text{K}(\beta^+)$; measured electric quadrupole moment using the β -NQR technique. ^{35}S , ^{37}Ar , $^{35,37,39}\text{K}$, ^{39}Ca ; analyzed electric quadrupole moment using shell model and effective charge dependency. JOUR PYLBB 662 389 |

KEYNUMBERS AND KEYWORDS

A=38

³⁸ Si	2008TR04	RADIOACTIVITY ³² Na(β^-) [from ⁹ Be(⁴⁸ Ca, X), E=140 MeV / nucleon]; measured E γ , I γ , $\gamma\gamma$ -coin, half-lives; deduced I β , B(GT), logft. ³² Mg; deduced levels, J π . ^{26,28,30,34,36} Mg, ^{28,30,32,34,36,38} Si; systematics. Comparison with shell-model calculations. JOUR PRVCA 77 034310
³⁸ S	2007KLZX	NUCLEAR REACTIONS ⁴⁰ Ar(μ^- , ν X) ⁴⁰ Cl / ³⁹ Cl / ³⁸ Cl / ³⁹ S / ³⁸ S, E not given; measured E γ , I γ ; deduced μ T _{1/2} in ⁴⁰ Ar, isotope yields. CONF Prague (MEDEX'07),Proc.P49,Klinskih
	2008LE12	RADIOACTIVITY ^{38m} K(β^+), ^{38m} Cl(β^+);measured positron spectra, E γ , I γ , $\beta\gamma$ -coin, T _{1/2} ; deduced Ft for superallowed decay, comparison with other superallowed decays. JOUR PRLTA 100 192504
³⁸ Cl	2007KLZX	NUCLEAR REACTIONS ⁴⁰ Ar(μ^- , ν X) ⁴⁰ Cl / ³⁹ Cl / ³⁸ Cl / ³⁹ S / ³⁸ S, E not given; measured E γ , I γ ; deduced μ T _{1/2} in ⁴⁰ Ar, isotope yields. CONF Prague (MEDEX'07),Proc.P49,Klinskih
	2008LE12	RADIOACTIVITY ^{38m} K(β^+), ^{38m} Cl(β^+);measured positron spectra, E γ , I γ , $\beta\gamma$ -coin, T _{1/2} ; deduced Ft for superallowed decay, comparison with other superallowed decays. JOUR PRLTA 100 192504
	2008V004	NUCLEAR REACTIONS ^{180,182} Hf(n, γ), E=thermal; measured E γ , I γ , σ , reaction rates. ^{94,96} Zr(n, γ), E=thermal; measured reaction rates. ²³ Na, ³⁷ Cl, ⁵⁵ Mn, ¹¹⁵ In, ¹⁷⁹ Hf, ¹⁸² Ta(n, γ), E=thermal; measured E γ . JOUR PRVCA 77 044608
³⁸ Ar	2008LE12	RADIOACTIVITY ^{38m} K(β^+), ^{38m} Cl(β^+);measured positron spectra, E γ , I γ , $\beta\gamma$ -coin, T _{1/2} ; deduced Ft for superallowed decay, comparison with other superallowed decays. JOUR PRLTA 100 192504
³⁸ K	2008HAZZ	RADIOACTIVITY ¹⁰ C, ¹⁴ O, ²² Mg, ^{26m} Al, ³⁴ Cl, ³⁴ Ar, ^{38m} K, ⁴² Sc, ⁴⁶ V, ⁵⁰ Mn, ⁵⁴ Co, ⁶² Ga, ⁷⁴ Rb; analyzed superallowed β -decay data. ³⁴ Ar(β^+), (EC) [from ¹ H(³⁵ Cl, 2n), E=35 MeV / nucleon]; measured E γ , I γ , E β , $\beta\gamma$ coin; deduced β^+ +EC branches for superallowed β decay. CONF Sinaia(Exotic Nuclei and Nucl.Part.Astrophysics(II)) Proc.P119,Ha
	2008LE12	RADIOACTIVITY ^{38m} K(β^+), ^{38m} Cl(β^+);measured positron spectra, E γ , I γ , $\beta\gamma$ -coin, T _{1/2} ; deduced Ft for superallowed decay, comparison with other superallowed decays. JOUR PRLTA 100 192504

A=39

³⁹ S	2007KLZX	NUCLEAR REACTIONS ⁴⁰ Ar(μ^- , ν X) ⁴⁰ Cl / ³⁹ Cl / ³⁸ Cl / ³⁹ S / ³⁸ S, E not given; measured E γ , I γ ; deduced μ T _{1/2} in ⁴⁰ Ar, isotope yields. CONF Prague (MEDEX'07),Proc.P49,Klinskih
³⁹ Cl	2007KLZX	NUCLEAR REACTIONS ⁴⁰ Ar(μ^- , ν X) ⁴⁰ Cl / ³⁹ Cl / ³⁸ Cl / ³⁹ S / ³⁸ S, E not given; measured E γ , I γ ; deduced μ T _{1/2} in ⁴⁰ Ar, isotope yields. CONF Prague (MEDEX'07),Proc.P49,Klinskih
³⁹ K	2008KA10	NUCLEAR REACTIONS ³⁶ S, ³⁸ Ar(p, γ), E=0.8-2.8 MeV; measured E γ , I γ . ³⁷ Cl; deduced levels, B(M1). ³⁷ Cl, ³⁹ K; deduced total MDR strength functions. JOUR BRSPE 72 403

KEYNUMBERS AND KEYWORDS

A=39 (continued)

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| 2008MI07 | | RADIOACTIVITY $^{37}\text{K}(\beta^+)$; measured electric quadrupole moment using the β -NQR technique. ^{35}S , ^{37}Ar , $^{35,37,39}\text{K}$, ^{39}Ca ; analyzed electric quadrupole moment using shell model and effective charge dependency. JOUR PYLBB 662 389 |
| 2008N001 | | NUCLEAR REACTIONS ^6Li , ^{12}C , $^{40}\text{Ca}(p, 2p)E=392$ MeV; measured Wolfenstein parameters, induced polarizations, analyzing powers, separation energy spectra. Comparison with DWIA and PWIA models. JOUR PRVCA 77 044604 |
| ^{39}Ca | 2008MI07 | RADIOACTIVITY $^{37}\text{K}(\beta^+)$; measured electric quadrupole moment using the β -NQR technique. ^{35}S , ^{37}Ar , $^{35,37,39}\text{K}$, ^{39}Ca ; analyzed electric quadrupole moment using shell model and effective charge dependency. JOUR PYLBB 662 389 |

A=40

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| ^{40}Cl | 2007KLZX | NUCLEAR REACTIONS $^{40}\text{Ar}(\mu^-, \nu X)^{40}\text{Cl}$ / ^{39}Cl / ^{38}Cl / ^{39}S / ^{38}S , E not given; measured E_γ , I_γ ; deduced μ $T_{1/2}$ in ^{40}Ar , isotope yields. CONF Prague (MEDEX'07), Proc.P49, Klinskih |
| ^{40}Ca | 2008GA10 | NUCLEAR REACTIONS $^9\text{Be}(^{36}\text{Ar}, X)^{19}\text{F}$ / ^{20}Ne / ^{21}Na / ^{22}Mg / ^{23}Al , E=130 MeV / nucleon; measured energy loss, intensities for reaction products. $^9\text{Be}(^{24}\text{Si}, X)^{23}\text{Al}$ / ^{23}Si , E=85.3 MeV / nucleon; measured single-particle cross sections, momentum distributions, spectroscopic factors. $^9\text{Be}(^{28}\text{S}, X)^{27}\text{P}$, E=80.7 MeV / nucleon; measured E_γ , I_γ . $^9\text{Be}(^{28}\text{S}, X)^{27}\text{P}$ / ^{27}S , E=80.7 MeV / nucleon; measured single particle cross sections, spectroscopic factors, momentum distributions. ^7Li , ^8B , $^{9,12,15}\text{C}$, ^{16}O , $^{32,34,36}\text{Ar}$, $^{24,30}\text{Si}$, $^{26,28}\text{S}$, ^{31}P , $^{40,48}\text{Ca}$, ^{51}V , ^{90}Zr , ^{208}Pb ; systematics of cross sections. JOUR PRVCA 77 044306 |

A=41

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| ^{41}K | 2008V003 | NUCLEAR REACTIONS $^{40}\text{Ar}(p, \gamma)$; E=1102, 1839, 1842, 1859, 1875, 1896 keV; measured E_γ , $I_\gamma(\theta)$. ^{41}K ; deduced levels, J, π , B(M1). JOUR BRSPE 72 385 |
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A=42

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| ^{42}Sc | 2008HAZZ | RADIOACTIVITY ^{10}C , ^{14}O , ^{22}Mg , ^{26m}Al , ^{34}Cl , ^{34}Ar , ^{38m}K , ^{42}Sc , ^{46}V , ^{50}Mn , ^{54}Co , ^{62}Ga , ^{74}Rb ; analyzed superallowed β -decay data. $^{34}\text{Ar}(\beta^+)$, (EC) [from $^1\text{H}(^{35}\text{Cl}, 2n)$, E=35 MeV / nucleon]; measured E_γ , I_γ , $E\beta$, $\beta\gamma$ coin; deduced β^+ +EC branches for superallowed β decay. CONF Sinaia(Exotic Nuclei and Nucl.Part.Astrophysics(II)) Proc.P119, Ha |
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KEYNUMBERS AND KEYWORDS

A=42 (continued)

⁴²Ti 2007PFZZ RADIOACTIVITY ⁴⁵Fe(β^+), (β^+ p), (β^+ 2p), (β^+ 3p), (2p) [from Ni(³⁸Ni, xpyn)⁴⁵Fe, E=161 MeV / nucleon]; measured Ep, Ip, p(residual)-coin, T_{1/2}. CONF Lisbon (PROCON 2007),Proc.P81,Pfutzner

A=43

⁴³V 2007PFZZ RADIOACTIVITY ⁴⁵Fe(β^+), (β^+ p), (β^+ 2p), (β^+ 3p), (2p) [from Ni(³⁸Ni, xpyn)⁴⁵Fe, E=161 MeV / nucleon]; measured Ep, Ip, p(residual)-coin, T_{1/2}. CONF Lisbon (PROCON 2007),Proc.P81,Pfutzner

⁴³Cr 2007BLZX RADIOACTIVITY ⁴⁵Fe, ⁵⁴Zn, ⁴⁸Ni(2p); measured Ep, Ip, T_{1/2}. ⁴⁵Fe, ⁵⁴Zn, ⁴⁸Ni; deduced (2p) decays branching ratios. Comparison with theoretical models. CONF Lisbon (PROCON 2007),Proc.P87,Blank

2007GIZW RADIOACTIVITY ⁴⁵Fe(2p); measured Ep, Ip, T_{1/2}. CONF Lisbon (PROCON 2007),Proc.P99,Giovinazzo

2007PFZZ RADIOACTIVITY ⁴⁵Fe(β^+), (β^+ p), (β^+ 2p), (β^+ 3p), (2p) [from Ni(³⁸Ni, xpyn)⁴⁵Fe, E=161 MeV / nucleon]; measured Ep, Ip, p(residual)-coin, T_{1/2}. CONF Lisbon (PROCON 2007),Proc.P81,Pfutzner

2008BOZY RADIOACTIVITY ⁴⁵Fe, ⁴⁸Ni, ⁵⁴Zn(2p) [from Ni(⁵⁸Ni, X)]; measured Ep, Ip, β^+ p-coin for 2p decay mode. Reviewed sequential and direct 2-proton decay modes. CONF Sinaia(Exotic Nuclei and Nucl.Part.Astrophysics(II)) Proc.P156,Bo

A=44

⁴⁴Sc 2008V002 NUCLEAR REACTIONS ⁴⁵Sc(³He, α), (³He, p), E=11 Mev; measured E γ , I γ , particle spectra, α particle angular distributions; deduced level density, $\alpha\gamma$ -coin. ⁴⁴Sc, ⁴⁷Ti; deduced level density. Comparison with theory. JOUR PRVCA 77 034613

⁴⁴Ti 2008V001 NUCLEAR REACTIONS ⁴He(⁴⁰Ca, γ), E=600-1150 keV / nucleon; measured E γ , $\gamma\gamma$ -, (recoil) γ -coin, excitation function. JOUR JPGPE 35 014034

⁴⁴Cr 2007PFZZ RADIOACTIVITY ⁴⁵Fe(β^+), (β^+ p), (β^+ 2p), (β^+ 3p), (2p) [from Ni(³⁸Ni, xpyn)⁴⁵Fe, E=161 MeV / nucleon]; measured Ep, Ip, p(residual)-coin, T_{1/2}. CONF Lisbon (PROCON 2007),Proc.P81,Pfutzner

A=45

⁴⁵Sc 2008SA18 NUCLEAR REACTIONS ⁴⁵Sc(γ , γ'), E \approx 5-7 MeV bremsstrahlung; measured E γ , I γ , integrated σ . ⁴⁵Sc deduced level / transition energies, decay widths and B(E1), B(M1) strength distributions. Comparison with ⁴⁴Ca. JOUR ZAANE 36 17

KEYNUMBERS AND KEYWORDS

A=45 (continued)

^{45}Mn	2007PFZZ	RADIOACTIVITY $^{45}\text{Fe}(\beta^+)$, (β^+p) , (β^+2p) , (β^+3p) , $(2p)$ [from $\text{Ni}(^{38}\text{Ni}, \text{xpyn})^{45}\text{Fe}$, $E=161$ MeV / nucleon]; measured E_p , I_p , $p(\text{residual})\text{-coin}$, $T_{1/2}$. CONF Lisbon (PROCON 2007),Proc.P81,Pfutzner
^{45}Fe	2007BLZX	RADIOACTIVITY ^{45}Fe , ^{54}Zn , $^{48}\text{Ni}(2p)$; measured E_p , I_p , $T_{1/2}$. ^{45}Fe , ^{54}Zn , ^{48}Ni ; deduced $(2p)$ decays branching ratios. Comparison with theoretical models. CONF Lisbon (PROCON 2007),Proc.P87,Blank
	2007GIZW	RADIOACTIVITY $^{45}\text{Fe}(2p)$; measured E_p , I_p , $T_{1/2}$. CONF Lisbon (PROCON 2007),Proc.P99,Giovinazzo
	2007PFZZ	RADIOACTIVITY $^{45}\text{Fe}(\beta^+)$, (β^+p) , (β^+2p) , (β^+3p) , $(2p)$ [from $\text{Ni}(^{38}\text{Ni}, \text{xpyn})^{45}\text{Fe}$, $E=161$ MeV / nucleon]; measured E_p , I_p , $p(\text{residual})\text{-coin}$, $T_{1/2}$. CONF Lisbon (PROCON 2007),Proc.P81,Pfutzner
	2008BOZY	RADIOACTIVITY ^{45}Fe , ^{48}Ni , $^{54}\text{Zn}(2p)$ [from $\text{Ni}(^{58}\text{Ni}, \text{X})$]; measured E_p , I_p , $\beta^+p\text{-coin}$ for $2p$ decay mode. Reviewed sequential and direct 2-proton decay modes. CONF Sinaia(Exotic Nuclei and Nucl.Part.Astrophysics(II)) Proc.P156,Bo

A=46

^{46}Sc	2008FE07	RADIOACTIVITY $^{46}\text{Sc}(\beta^-)$; measured near-zero-energy electron yield as a function of β energy. Deduced self ionization probability. JOUR PANUE 71 437
^{46}Ti	2008FE07	RADIOACTIVITY $^{46}\text{Sc}(\beta^-)$; measured near-zero-energy electron yield as a function of β energy. Deduced self ionization probability. JOUR PANUE 71 437
^{46}V	2008HAZZ	RADIOACTIVITY ^{10}C , ^{14}O , ^{22}Mg , ^{26m}Al , ^{34}Cl , ^{34}Ar , ^{38m}K , ^{42}Sc , ^{46}V , ^{50}Mn , ^{54}Co , ^{62}Ga , ^{74}Rb ; analyzed superallowed β -decay data. $^{34}\text{Ar}(\beta^+)$, (EC) [from $^1\text{H}(^{35}\text{Cl}, 2n)$, $E=35$ MeV / nucleon]; measured E_γ , I_γ , $E\beta$, $\beta\gamma$ coin; deduced $\beta^++\text{EC}$ branches for superallowed β decay. CONF Sinaia(Exotic Nuclei and Nucl.Part.Astrophysics(II)) Proc.P119,Ha
^{46}Fe	2007BLZX	RADIOACTIVITY ^{45}Fe , ^{54}Zn , $^{48}\text{Ni}(2p)$; measured E_p , I_p , $T_{1/2}$. ^{45}Fe , ^{54}Zn , ^{48}Ni ; deduced $(2p)$ decays branching ratios. Comparison with theoretical models. CONF Lisbon (PROCON 2007),Proc.P87,Blank
	2008BOZY	RADIOACTIVITY ^{45}Fe , ^{48}Ni , $^{54}\text{Zn}(2p)$ [from $\text{Ni}(^{58}\text{Ni}, \text{X})$]; measured E_p , I_p , $\beta^+p\text{-coin}$ for $2p$ decay mode. Reviewed sequential and direct 2-proton decay modes. CONF Sinaia(Exotic Nuclei and Nucl.Part.Astrophysics(II)) Proc.P156,Bo

A=47

^{47}Ti	2008V002	NUCLEAR REACTIONS $^{45}\text{Sc}(^3\text{He}, \alpha)$, $(^3\text{He}, p)$, $E=11$ Mev; measured E_γ , I_γ , particle spectra, α particle angular distributions; deduced level density, $\alpha\gamma\text{-coin}$. ^{44}Sc , ^{47}Ti ; deduced level density. Comparison with theory. JOUR PRVCA 77 034613
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KEYNUMBERS AND KEYWORDS

A=48

^{48}Ca	2007TAZS	NUCLEAR REACTIONS $^{48}\text{Ca}(p, p')$, E=295 MeV; measured Ep, Ip. ^{48}Ca ; deduced M1, E1 excitations. Cyclotron, Large Acceptance Spectrometer. CONF Kyoto(Spin Physics) Proc.P811,Tamii
	2008GA10	NUCLEAR REACTIONS $^9\text{Be}(^{36}\text{Ar}, X)^{19}\text{F} / ^{20}\text{Ne} / ^{21}\text{Na} / ^{22}\text{Mg} / ^{23}\text{Al}$, E=130 MeV / nucleon; measured energy loss, intensities for reaction products. $^9\text{Be}(^{24}\text{Si}, X)^{23}\text{Al} / ^{23}\text{Si}$, E=85.3 MeV / nucleon; measured single-particle cross sections, momentum distributions, spectroscopic factors. $^9\text{Be}(^{28}\text{S}, X)^{27}\text{P}$, E=80.7 MeV / nucleon; measured $E\gamma, I\gamma$. $^9\text{Be}(^{28}\text{S}, X)^{27}\text{P} / ^{27}\text{S}$, E=80.7 MeV / nucleon; measured single particle cross sections, spectroscopic factors, momentum distributions. ^7Li , ^8B , $^{9,12,15}\text{C}$, ^{16}O , $^{32,34,36}\text{Ar}$, $^{24,30}\text{Si}$, $^{26,28}\text{S}$, ^{31}P , $^{40,48}\text{Ca}$, ^{51}V , ^{90}Zr , ^{208}Pb ; systematics of cross sections. JOUR PRVCA 77 044306
^{48}Ti	2007ZIZX	NUCLEAR REACTIONS ^{48}Ti , Se, ^{76}Se , Kr, ^{82}Kr , Cd, ^{106}Cd , Sm, $^{150}\text{Sm}(\mu, \nu)$, E not given; measured $E\gamma, I\gamma$, X-ray energies and intensities; deduced total and partial μ capture rates, yields of radioactive daughter nuclei. CONF Prague (MEDEX'07),Proc.P91,Zinatulina
^{48}Ni	2007BLZX	RADIOACTIVITY ^{45}Fe , ^{54}Zn , $^{48}\text{Ni}(2p)$; measured Ep, Ip, $T_{1/2}$. ^{45}Fe , ^{54}Zn , ^{48}Ni ; deduced (2p) decays branching ratios. Comparison with theoretical models. CONF Lisbon (PROCON 2007),Proc.P87,Blank
	2008BOZY	RADIOACTIVITY ^{45}Fe , ^{48}Ni , $^{54}\text{Zn}(2p)$ [from Ni($^{58}\text{Ni}, X$)]; measured Ep, Ip, β^+p -coin for 2p decay mode. Reviewed sequential and direct 2-proton decay modes. CONF Sinaia(Exotic Nuclei and Nucl.Part.Astrophysics(II)) Proc.P156,Bo

A=49

No references found

A=50

^{50}Cr	2008ER04	RADIOACTIVITY ^{50}Mn , $^{54}\text{Co}(\text{EC})$; measured Q values using penning trap. JOUR PRLTA 100 132502
^{50}Mn	2007FUZY	NUCLEAR REACTIONS $^{50}\text{Cr}(^3\text{He}, t)$ E=140 MeV / nucleon; measured triton spectra. ^{50}Mn deduced levels. Compared results with those ^{50}Fe β -decay. CONF Kyoto(Spin Physics) Proc.P807,Fujita
	2008ER04	RADIOACTIVITY ^{50}Mn , $^{54}\text{Co}(\text{EC})$; measured Q values using penning trap. JOUR PRLTA 100 132502
	2008FU04	NUCLEAR REACTIONS ^{50}Cr , $^{54}\text{Fe}(^3\text{He}, t)$, E=140 MeV / nucleon; measured triton spectra. Deduced B(GT). Merged analysis with β -decay half lives. JOUR JPGPE 35 014041

KEYNUMBERS AND KEYWORDS

A=50 (continued)

2008HAZZ RADIOACTIVITY ^{10}C , ^{14}O , ^{22}Mg , ^{26m}Al , ^{34}Cl , ^{34}Ar , ^{38m}K , ^{42}Sc , ^{46}V , ^{50}Mn , ^{54}Co , ^{62}Ga , ^{74}Rb ; analyzed superallowed β -decay data. $^{34}\text{Ar}(\beta^+)$, (EC) [from $^1\text{H}(^{35}\text{Cl}, 2n)$, $E=35$ MeV / nucleon]; measured $E\gamma$, $I\gamma$, $E\beta$, $\beta\gamma$ coin; deduced β^+ +EC branches for superallowed β decay. CONF Sinaia(Exotic Nuclei and Nucl.Part.Astorphysics(II)) Proc.P119,Ha

A=51

^{51}Ti 2008FA06 NUCLEAR REACTIONS $^{51}\text{V}(n, p)$, $E=14.1, 14.6$ MeV; $^{64}\text{Ni}(n, \alpha)$, $E=13.5, 14.6$ MeV; $^{165}\text{Ho}(n, \alpha)$, $(n, 2n)$, $E=14.1, 14.6$ MeV; $^{180}\text{W}(n, 2n)$, $E=13.5, 14.1$ MeV; $^{186}\text{W}(n, 2n)$, $E=14.1$ MeV; measured σ using activation technique. Comparison with other data. JOUR ARISE 66 1104

^{51}V 2008GA10 NUCLEAR REACTIONS $^9\text{Be}(^{36}\text{Ar}, X)^{19}\text{F} / ^{20}\text{Ne} / ^{21}\text{Na} / ^{22}\text{Mg} / ^{23}\text{Al}$, $E=130$ MeV / nucleon; measured energy loss, intensities for reaction products. $^9\text{Be}(^{24}\text{Si}, X)^{23}\text{Al} / ^{23}\text{Si}$, $E=85.3$ MeV / nucleon; measured single-particle cross sections, momentum distributions, spectroscopic factors. $^9\text{Be}(^{28}\text{S}, X)^{27}\text{P}$, $E=80.7$ MeV / nucleon; measured $E\gamma$, $I\gamma$. $^9\text{Be}(^{28}\text{S}, X)^{27}\text{P} / ^{27}\text{S}$, $E=80.7$ MeV / nucleon; measured single particle cross sections, spectroscopic factors, momentum distributions. ^7Li , ^8B , $^{9,12,15}\text{C}$, ^{16}O , $^{32,34,36}\text{Ar}$, $^{24,30}\text{Si}$, $^{26,28}\text{S}$, ^{31}P , $^{40,48}\text{Ca}$, ^{51}V , ^{90}Zr , ^{208}Pb ; systematics of cross sections. JOUR PRVCA 77 044306

A=52

^{52}Ni 2007BLZX RADIOACTIVITY ^{45}Fe , ^{54}Zn , $^{48}\text{Ni}(2p)$; measured E_p , I_p , $T_{1/2}$. ^{45}Fe , ^{54}Zn , ^{48}Ni ; deduced $(2p)$ decays branching ratios. Comparison with theoretical models. CONF Lisbon (PROCON 2007),Proc.P87,Blank

2008BOZY RADIOACTIVITY ^{45}Fe , ^{48}Ni , $^{54}\text{Zn}(2p)$ [from $\text{Ni}(^{58}\text{Ni}, X)$]; measured E_p , I_p , β^+ p-coin for $2p$ decay mode. Reviewed sequential and direct 2-proton decay modes. CONF Sinaia(Exotic Nuclei and Nucl.Part.Astorphysics(II)) Proc.P156,Bo

A=53

No references found

A=54

^{54}Fe 2008ER04 RADIOACTIVITY ^{50}Mn , $^{54}\text{Co}(\text{EC})$; measured Q values using penning trap. JOUR PRLTA 100 132502

^{54}Co 2008ER04 RADIOACTIVITY ^{50}Mn , $^{54}\text{Co}(\text{EC})$; measured Q values using penning trap. JOUR PRLTA 100 132502

KEYNUMBERS AND KEYWORDS

A=54 (continued)

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| | 2008FU04 | NUCLEAR REACTIONS ^{50}Cr , $^{54}\text{Fe}(^3\text{He}, t)$, $E=140$ MeV / nucleon; measured triton spectra. Deduced B(GT). Merged analysis with β -decay half lives. JOUR JPGPE 35 014041 |
| | 2008HAZZ | RADIOACTIVITY ^{10}C , ^{14}O , ^{22}Mg , ^{26m}Al , ^{34}Cl , ^{34}Ar , ^{38m}K , ^{42}Sc , ^{46}V , ^{50}Mn , ^{54}Co , ^{62}Ga , ^{74}Rb ; analyzed superallowed β -decay data. $^{34}\text{Ar}(\beta^+)$, (EC) [from $^1\text{H}(^{35}\text{Cl}, 2n)$, $E=35$ MeV / nucleon]; measured $E\gamma$, $I\gamma$, $E\beta$, $\beta\gamma$ coin; deduced $\beta^++\text{EC}$ branches for superallowed β decay. CONF Sinaia(Exotic Nuclei and Nucl.Part.Astrophysics(II)) Proc.P119,Ha |
| ^{54}Zn | 2007BLZX | RADIOACTIVITY ^{45}Fe , ^{54}Zn , $^{48}\text{Ni}(2p)$; measured E_p , I_p , $T_{1/2}$. ^{45}Fe , ^{54}Zn , ^{48}Ni ; deduced (2p) decays branching ratios. Comparison with theoretical models. CONF Lisbon (PROCON 2007),Proc.P87,Blank |
| | 2008BOZY | RADIOACTIVITY ^{45}Fe , ^{48}Ni , $^{54}\text{Zn}(2p)$ [from $\text{Ni}(^{58}\text{Ni}, X)$]; measured E_p , I_p , β^+p -coin for 2p decay mode. Reviewed sequential and direct 2-proton decay modes. CONF Sinaia(Exotic Nuclei and Nucl.Part.Astrophysics(II)) Proc.P156,Bo |

A=55

No references found

A=56

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| ^{56}Mn | 2008V004 | NUCLEAR REACTIONS $^{180,182}\text{Hf}(n, \gamma)$, $E=\text{thermal}$; measured $E\gamma$, $I\gamma$, σ , reaction rates. $^{94,96}\text{Zr}(n, \gamma)$, $E=\text{thermal}$; measured reaction rates. ^{23}Na , ^{37}Cl , ^{55}Mn , ^{115}In , ^{179}Hf , $^{182}\text{Ta}(n, \gamma)$, $E=\text{thermal}$; measured $E\gamma$. JOUR PRVCA 77 044608 |
| ^{56}Fe | 2008DR04 | RADIOACTIVITY $^{56}\text{Co}(\beta^+)$; measured $E\gamma$, $I\gamma$, $\beta\gamma$ -coin; deduced emission probabilities. JOUR ARISE 66 711 |
| | 2008H005 | NUCLEAR REACTIONS $^{238}\text{U}(^{64}\text{Ni}, X)$, $E=430$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{61}Fe ; deduced levels, J , π . ^{59}Fe ; measured $E\gamma$, $I\gamma$. $^{56,57,58,59,60}\text{Fe}$; systematics. Comparisons with shell model and particle-triaxial rotor model. JOUR PRVCA 77 044314 |
| ^{56}Co | 2008DR04 | RADIOACTIVITY $^{56}\text{Co}(\beta^+)$; measured $E\gamma$, $I\gamma$, $\beta\gamma$ -coin; deduced emission probabilities. JOUR ARISE 66 711 |
| | 2008EI01 | NUCLEAR REACTIONS $^{12}\text{C}(\nu, \nu')$, $E < 52.8$ MeV; $^{12,13}\text{C}$, $^{56}\text{Fe}(\nu, e^-)$, $E < 52.8$ MeV; measured flux averaged cross sections, energy distribution of ν -induced single events; deduced neutrino oscillation upper limit. JOUR JPGPE 35 014055 |

A=57

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| ^{57}Fe | 2008H005 | NUCLEAR REACTIONS $^{238}\text{U}(^{64}\text{Ni}, X)$, $E=430$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{61}Fe ; deduced levels, J , π . ^{59}Fe ; measured $E\gamma$, $I\gamma$. $^{56,57,58,59,60}\text{Fe}$; systematics. Comparisons with shell model and particle-triaxial rotor model. JOUR PRVCA 77 044314 |
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KEYNUMBERS AND KEYWORDS

A=57 (continued)

⁵⁷Ni 2007J0ZW RADIOACTIVITY ⁵⁸Cu(p) [²⁸Si(³⁶Ar, xpyn)⁵⁸Cu, E=143 MeV]; measured E γ , I γ , Ep, Ip, $\gamma\gamma$, γ p-coin. ⁵⁸Cu; deduced (prompt p) decay, rotational levels; ⁵⁷Ni; deduced levels. CONF Lisbon (PROCON 2007),Proc.P41,Johansson

A=58

⁵⁸Fe 2008H005 NUCLEAR REACTIONS ²³⁸U(⁶⁴Ni, X), E=430 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ⁶¹Fe; deduced levels, J, π . ⁵⁹Fe; measured E γ , I γ . ^{56,57,58,59,60}Fe; systematics. Comparisons with shell model and particle-triaxial rotor model. JOUR PRVCA 77 044314

⁵⁸Cu 2007J0ZW RADIOACTIVITY ⁵⁸Cu(p) [²⁸Si(³⁶Ar, xpyn)⁵⁸Cu, E=143 MeV]; measured E γ , I γ , Ep, Ip, $\gamma\gamma$, γ p-coin. ⁵⁸Cu; deduced (prompt p) decay, rotational levels; ⁵⁷Ni; deduced levels. CONF Lisbon (PROCON 2007),Proc.P41,Johansson

A=59

⁵⁹Fe 2008H005 NUCLEAR REACTIONS ²³⁸U(⁶⁴Ni, X), E=430 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ⁶¹Fe; deduced levels, J, π . ⁵⁹Fe; measured E γ , I γ . ^{56,57,58,59,60}Fe; systematics. Comparisons with shell model and particle-triaxial rotor model. JOUR PRVCA 77 044314

A=60

⁶⁰Fe 2008H005 NUCLEAR REACTIONS ²³⁸U(⁶⁴Ni, X), E=430 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ⁶¹Fe; deduced levels, J, π . ⁵⁹Fe; measured E γ , I γ . ^{56,57,58,59,60}Fe; systematics. Comparisons with shell model and particle-triaxial rotor model. JOUR PRVCA 77 044314

A=61

⁶¹Fe 2008FA06 NUCLEAR REACTIONS ⁵¹V(n, p), E=14.1, 14.6 MeV; ⁶⁴Ni(n, α), E=13.5, 14.6 MeV; ¹⁶⁵Ho(n, α), (n, 2n), E=14.1, 14.6 MeV; ¹⁸⁰W(n, 2n), E=13.5, 14.1 MeV; ¹⁸⁶W(n, 2n), E=14.1 MeV; measured σ using activation technique. Comparison with other data. JOUR ARISE 66 1104

2008H005 NUCLEAR REACTIONS ²³⁸U(⁶⁴Ni, X), E=430 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ⁶¹Fe; deduced levels, J, π . ⁵⁹Fe; measured E γ , I γ . ^{56,57,58,59,60}Fe; systematics. Comparisons with shell model and particle-triaxial rotor model. JOUR PRVCA 77 044314

KEYNUMBERS AND KEYWORDS

A=61 (continued)

⁶¹Cu 2008AG06 NUCLEAR REACTIONS ⁵⁹Co(¹²C, 3np), (¹²C, 2n2p), (¹²C, nα), (¹²C, 2nα), (¹²C, 3npα), (¹²C, 2n2α), E=60, 65, 70, 75, 80 MeV; measured Eγ, Iγ, excitation functions, cross sections, forward recoil range distributions of evaporation residues. Comparisons with calculations using ALICE-91 and CASCADE codes. JOUR IMPEE 17 393

A=62

⁶²Ga 2008HAZZ RADIOACTIVITY ¹⁰C, ¹⁴O, ²²Mg, ^{26m}Al, ³⁴Cl, ³⁴Ar, ^{38m}K, ⁴²Sc, ⁴⁶V, ⁵⁰Mn, ⁵⁴Co, ⁶²Ga, ⁷⁴Rb; analyzed superallowed β-decay data. ³⁴Ar(β⁺), (EC) [from ¹H(³⁵Cl, 2n), E=35 MeV / nucleon]; measured Eγ, Iγ, Eβ, βγ coin; deduced β⁺+EC branches for superallowed β decay. CONF Sinaia(Exotic Nuclei and Nucl.Part.Astrophysics(II)) Proc.P119,Ha

A=63

⁶³Fe 2008AD04 NUCLEAR REACTIONS ⁹Be(⁶⁷Co, ⁶⁶Fe)X, E=84.3 MeV / nucleon; ⁹Be(⁶⁸Ni, ⁶⁶Fe)X, E=74.7 MeV / nucleon; ⁹Be(⁶⁹Co, ⁶⁸Fe)X, E=77.8 MeV / nucleon; ⁹Be(⁶⁶Fe, ⁶⁴Cr)X, E=73.5 MeV / nucleon; measured Eγ, Iγ, σ. ^{66,68}Fe, ⁶⁴Cr; deduced levels, J, π. ⁹Be(⁷⁶Ge, X)⁶³Fe / ⁶⁴Fe / ⁶⁵Fe / ⁶⁶Fe / ⁶⁸Ni / ⁶⁹Cu, E=130 MeV / nucleon; measured yields. JOUR PRVCA 77 054306

2008BL05 ATOMIC MASSES ^{63,64,65}Fe, ^{64,65,66}Co; measured and evaluated masses using Penning trap mass spectrometer, isotopes produced by projectile fragmentation with LEBIT at NSCL. ^{65m}Fe; deduced level energy, T_{1/2} for isomeric state. JOUR PRLTA 100 132501

⁶³Zn 2008AG06 NUCLEAR REACTIONS ⁵⁹Co(¹²C, 3np), (¹²C, 2n2p), (¹²C, nα), (¹²C, 2nα), (¹²C, 3npα), (¹²C, 2n2α), E=60, 65, 70, 75, 80 MeV; measured Eγ, Iγ, excitation functions, cross sections, forward recoil range distributions of evaporation residues. Comparisons with calculations using ALICE-91 and CASCADE codes. JOUR IMPEE 17 393

⁶³Ga 2008YA08 NUCLEAR REACTIONS C(⁷²Kr, X), (⁷⁶Kr, X), (⁸⁰Kr, X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. ^{63,64,65,66,67,68}Ga, ^{65,66,67,68,69,70}Ge, ^{67,68,69,70,71,72}As, ^{69,70,71,72,73}Se, ^{72,73,74,75}Br, ^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}Kr; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315

KEYNUMBERS AND KEYWORDS

A=64

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| ^{64}Cr | 2008AD04 | NUCLEAR REACTIONS $^9\text{Be}(^{67}\text{Co}, ^{66}\text{Fe})\text{X}$, $E=84.3$ MeV / nucleon; $^9\text{Be}(^{68}\text{Ni}, ^{66}\text{Fe})\text{X}$, $E=74.7$ MeV / nucleon; $^9\text{Be}(^{69}\text{Co}, ^{68}\text{Fe})\text{X}$, $E=77.8$ MeV / nucleon; $^9\text{Be}(^{66}\text{Fe}, ^{64}\text{Cr})\text{X}$, $E=73.5$ MeV / nucleon; measured $E\gamma$, $I\gamma$, σ . $^{66,68}\text{Fe}$, ^{64}Cr ; deduced levels, J , π . $^9\text{Be}(^{76}\text{Ge}, \text{X})^{63}\text{Fe} / ^{64}\text{Fe} / ^{65}\text{Fe} / ^{66}\text{Fe} / ^{68}\text{Ni} / ^{69}\text{Cu}$, $E=130$ MeV / nucleon; measured yields. JOUR PRVCA 77 054306 |
| ^{64}Fe | 2008AD04 | NUCLEAR REACTIONS $^9\text{Be}(^{67}\text{Co}, ^{66}\text{Fe})\text{X}$, $E=84.3$ MeV / nucleon; $^9\text{Be}(^{68}\text{Ni}, ^{66}\text{Fe})\text{X}$, $E=74.7$ MeV / nucleon; $^9\text{Be}(^{69}\text{Co}, ^{68}\text{Fe})\text{X}$, $E=77.8$ MeV / nucleon; $^9\text{Be}(^{66}\text{Fe}, ^{64}\text{Cr})\text{X}$, $E=73.5$ MeV / nucleon; measured $E\gamma$, $I\gamma$, σ . $^{66,68}\text{Fe}$, ^{64}Cr ; deduced levels, J , π . $^9\text{Be}(^{76}\text{Ge}, \text{X})^{63}\text{Fe} / ^{64}\text{Fe} / ^{65}\text{Fe} / ^{66}\text{Fe} / ^{68}\text{Ni} / ^{69}\text{Cu}$, $E=130$ MeV / nucleon; measured yields. JOUR PRVCA 77 054306 |
| | 2008BL05 | ATOMIC MASSES $^{63,64,65}\text{Fe}$, $^{64,65,66}\text{Co}$; measured and evaluated masses using Penning trap mass spectrometer, isotopes produced by projectile fragmentation with LEBIT at NSCL. ^{65m}Fe ; deduced level energy, $T_{1/2}$ for isomeric state. JOUR PRLTA 100 132501 |
| ^{64}Co | 2008BL05 | ATOMIC MASSES $^{63,64,65}\text{Fe}$, $^{64,65,66}\text{Co}$; measured and evaluated masses using Penning trap mass spectrometer, isotopes produced by projectile fragmentation with LEBIT at NSCL. ^{65m}Fe ; deduced level energy, $T_{1/2}$ for isomeric state. JOUR PRLTA 100 132501 |
| ^{64}Ga | 2008YA08 | NUCLEAR REACTIONS $\text{C}(^{72}\text{Kr}, \text{X})$, $(^{76}\text{Kr}, \text{X})$, $(^{80}\text{Kr}, \text{X})$, $E=1.05$ GeV / nucleon; measured interaction cross sections, effective matter radii. $^{63,64,65,66,67,68}\text{Ga}$, $^{65,66,67,68,69,70}\text{Ge}$, $^{67,68,69,70,71,72}\text{As}$, $^{69,70,71,72,73}\text{Se}$, $^{72,73,74,75}\text{Br}$, $^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}\text{Kr}$; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315 |

A=65

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| ^{65}Fe | 2008AD04 | NUCLEAR REACTIONS $^9\text{Be}(^{67}\text{Co}, ^{66}\text{Fe})\text{X}$, $E=84.3$ MeV / nucleon; $^9\text{Be}(^{68}\text{Ni}, ^{66}\text{Fe})\text{X}$, $E=74.7$ MeV / nucleon; $^9\text{Be}(^{69}\text{Co}, ^{68}\text{Fe})\text{X}$, $E=77.8$ MeV / nucleon; $^9\text{Be}(^{66}\text{Fe}, ^{64}\text{Cr})\text{X}$, $E=73.5$ MeV / nucleon; measured $E\gamma$, $I\gamma$, σ . $^{66,68}\text{Fe}$, ^{64}Cr ; deduced levels, J , π . $^9\text{Be}(^{76}\text{Ge}, \text{X})^{63}\text{Fe} / ^{64}\text{Fe} / ^{65}\text{Fe} / ^{66}\text{Fe} / ^{68}\text{Ni} / ^{69}\text{Cu}$, $E=130$ MeV / nucleon; measured yields. JOUR PRVCA 77 054306 |
| | 2008BL05 | ATOMIC MASSES $^{63,64,65}\text{Fe}$, $^{64,65,66}\text{Co}$; measured and evaluated masses using Penning trap mass spectrometer, isotopes produced by projectile fragmentation with LEBIT at NSCL. ^{65m}Fe ; deduced level energy, $T_{1/2}$ for isomeric state. JOUR PRLTA 100 132501 |
| ^{65}Co | 2008BL05 | ATOMIC MASSES $^{63,64,65}\text{Fe}$, $^{64,65,66}\text{Co}$; measured and evaluated masses using Penning trap mass spectrometer, isotopes produced by projectile fragmentation with LEBIT at NSCL. ^{65m}Fe ; deduced level energy, $T_{1/2}$ for isomeric state. JOUR PRLTA 100 132501 |

KEYNUMBERS AND KEYWORDS

A=65 (continued)

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| ^{65}Ga | 2008AG06 | NUCLEAR REACTIONS $^{59}\text{Co}(^{12}\text{C}, 3\text{np})$, $(^{12}\text{C}, 2\text{n}2\text{p})$, $(^{12}\text{C}, \text{n}\alpha)$, $(^{12}\text{C}, 2\text{n}\alpha)$, $(^{12}\text{C}, 3\text{np}\alpha)$, $(^{12}\text{C}, 2\text{n}2\alpha)$, E=60, 65, 70, 75, 80 MeV; measured $E\gamma$, $I\gamma$, excitation functions, cross sections, forward recoil range distributions of evaporation residues. Comparisons with calculations using ALICE-91 and CASCADE codes. JOUR IMPEE 17 393 |
| | 2008SK03 | NUCLEAR REACTIONS $^{64,66}\text{Zn}(\text{p}, \gamma)$, E=1.0-2.8 MeV; measured $E\gamma$, $I\gamma$, excitation functions; deduced S-factors. Compared results to model calculations. JOUR BRSPPE 72 376 |
| | 2008YA08 | NUCLEAR REACTIONS C(^{72}Kr , X), (^{76}Kr , X), (^{80}Kr , X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. $^{63,64,65,66,67,68}\text{Ga}$, $^{65,66,67,68,69,70}\text{Ge}$, $^{67,68,69,70,71,72}\text{As}$, $^{69,70,71,72,73}\text{Se}$, $^{72,73,74,75}\text{Br}$, $^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}\text{Kr}$; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315 |
| ^{65}Ge | 2008YA08 | NUCLEAR REACTIONS C(^{72}Kr , X), (^{76}Kr , X), (^{80}Kr , X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. $^{63,64,65,66,67,68}\text{Ga}$, $^{65,66,67,68,69,70}\text{Ge}$, $^{67,68,69,70,71,72}\text{As}$, $^{69,70,71,72,73}\text{Se}$, $^{72,73,74,75}\text{Br}$, $^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}\text{Kr}$; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315 |

A=66

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| ^{66}Fe | 2008AD04 | NUCLEAR REACTIONS $^9\text{Be}(^{67}\text{Co}, ^{66}\text{Fe})\text{X}$, E=84.3 MeV / nucleon; $^9\text{Be}(^{68}\text{Ni}, ^{66}\text{Fe})\text{X}$, E=74.7 MeV / nucleon; $^9\text{Be}(^{69}\text{Co}, ^{68}\text{Fe})\text{X}$, E=77.8 MeV / nucleon; $^9\text{Be}(^{66}\text{Fe}, ^{64}\text{Cr})\text{X}$, E=73.5 MeV / nucleon; measured $E\gamma$, $I\gamma$, σ . $^{66,68}\text{Fe}$, ^{64}Cr ; deduced levels, J, π . $^9\text{Be}(^{76}\text{Ge}, \text{X})^{63}\text{Fe} / ^{64}\text{Fe} / ^{65}\text{Fe} / ^{66}\text{Fe} / ^{68}\text{Ni} / ^{69}\text{Cu}$, E=130 MeV / nucleon; measured yields. JOUR PRVCA 77 054306 |
| ^{66}Co | 2008BL05 | ATOMIC MASSES $^{63,64,65}\text{Fe}$, $^{64,65,66}\text{Co}$; measured and evaluated masses using Penning trap mass spectrometer, isotopes produced by projectile fragmentation with LEBIT at NSCL. $^{65\text{m}}\text{Fe}$; deduced level energy, $T_{1/2}$ for isomeric state. JOUR PRLTA 100 132501 |
| ^{66}Ga | 2008AG06 | NUCLEAR REACTIONS $^{59}\text{Co}(^{12}\text{C}, 3\text{np})$, $(^{12}\text{C}, 2\text{n}2\text{p})$, $(^{12}\text{C}, \text{n}\alpha)$, $(^{12}\text{C}, 2\text{n}\alpha)$, $(^{12}\text{C}, 3\text{np}\alpha)$, $(^{12}\text{C}, 2\text{n}2\alpha)$, E=60, 65, 70, 75, 80 MeV; measured $E\gamma$, $I\gamma$, excitation functions, cross sections, forward recoil range distributions of evaporation residues. Comparisons with calculations using ALICE-91 and CASCADE codes. JOUR IMPEE 17 393 |
| | 2008YA08 | NUCLEAR REACTIONS C(^{72}Kr , X), (^{76}Kr , X), (^{80}Kr , X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. $^{63,64,65,66,67,68}\text{Ga}$, $^{65,66,67,68,69,70}\text{Ge}$, $^{67,68,69,70,71,72}\text{As}$, $^{69,70,71,72,73}\text{Se}$, $^{72,73,74,75}\text{Br}$, $^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}\text{Kr}$; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315 |

KEYNUMBERS AND KEYWORDS

A=66 (continued)

- ⁶⁶Ge 2008SI09 NUCLEAR REACTIONS ¹⁶⁹Tm(¹⁶O, X), E=5.9 MeV / nucleon; measured E γ , I γ .
¹⁰⁷In; ⁶⁶Ge; ⁸⁸Nb; ⁹⁵Y; ⁸³Se; ^{99m}Tc; ¹⁰⁹Sn; ¹⁰¹Tc; ⁷⁹As; ¹⁰⁵In; ^{108m}Rh; ⁹⁵Ru; ⁹²Y; ^{98m}Nb; ⁸⁷Kr; ⁹²Sr;
deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549
- 2008YA08 NUCLEAR REACTIONS C(⁷²Kr, X), (⁷⁶Kr, X), (⁸⁰Kr, X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. ^{63,64,65,66,67,68}Ga, ^{65,66,67,68,69,70}Ge, ^{67,68,69,70,71,72}As, ^{69,70,71,72,73}Se, ^{72,73,74,75}Br, ^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}Kr; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315

A=67

- ⁶⁷Ga 2008AG06 NUCLEAR REACTIONS ⁵⁹Co(¹²C, 3np), (¹²C, 2n2p), (¹²C, n α), (¹²C, 2n α), (¹²C, 3np α), (¹²C, 2n2 α), E=60, 65, 70, 75, 80 MeV; measured E γ , I γ , excitation functions, cross sections, forward recoil range distributions of evaporation residues. Comparisons with calculations using ALICE-91 and CASCADE codes. JOUR IMPEE 17 393
- 2008SK03 NUCLEAR REACTIONS ^{64,66}Zn(p, γ), E=1.0-2.8 MeV; measured E γ , I γ , excitation functions; deduced S-factors. Compared results to model calculations. JOUR BRSPE 72 376
- 2008YA08 NUCLEAR REACTIONS C(⁷²Kr, X), (⁷⁶Kr, X), (⁸⁰Kr, X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. ^{63,64,65,66,67,68}Ga, ^{65,66,67,68,69,70}Ge, ^{67,68,69,70,71,72}As, ^{69,70,71,72,73}Se, ^{72,73,74,75}Br, ^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}Kr; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315
- ⁶⁷Ge 2008AG06 NUCLEAR REACTIONS ⁵⁹Co(¹²C, 3np), (¹²C, 2n2p), (¹²C, n α), (¹²C, 2n α), (¹²C, 3np α), (¹²C, 2n2 α), E=60, 65, 70, 75, 80 MeV; measured E γ , I γ , excitation functions, cross sections, forward recoil range distributions of evaporation residues. Comparisons with calculations using ALICE-91 and CASCADE codes. JOUR IMPEE 17 393
- 2008YA08 NUCLEAR REACTIONS C(⁷²Kr, X), (⁷⁶Kr, X), (⁸⁰Kr, X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. ^{63,64,65,66,67,68}Ga, ^{65,66,67,68,69,70}Ge, ^{67,68,69,70,71,72}As, ^{69,70,71,72,73}Se, ^{72,73,74,75}Br, ^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}Kr; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315
- ⁶⁷As 2007ORZZ NUCLEAR REACTIONS ⁴⁰Ca(³²S, n α)⁶⁷Se, ⁴⁰Ca(³²S, p α)⁶⁷As, E=90 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ⁶⁷Se; deduced levels, T_{1/2}. ⁶⁷As; deduced levels, T_{1/2}, mirror B(E1) strength. CONF Lisbon (PROCON 2007), Proc.P190, Orlandi

KEYNUMBERS AND KEYWORDS

A=67 (continued)

- 2008YA08 NUCLEAR REACTIONS C(⁷²Kr, X), (⁷⁶Kr, X), (⁸⁰Kr, X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. ^{63,64,65,66,67,68}Ga, ^{65,66,67,68,69,70}Ge, ^{67,68,69,70,71,72}As, ^{69,70,71,72,73}Se, ^{72,73,74,75}Br, ^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}Kr; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315
- ⁶⁷Se 2007ORZZ NUCLEAR REACTIONS ⁴⁰Ca(³²S, nα)⁶⁷Se, ⁴⁰Ca(³²S, pα)⁶⁷As, E=90 MeV; measured Eγ, Iγ, γγ-coin. ⁶⁷Se; deduced levels, T_{1/2}. ⁶⁷As; deduced levels, T_{1/2}, mirror B(E1) strength. CONF Lisbon (PROCON 2007),Proc.P190,Orlandi

A=68

- ⁶⁸Fe 2008AD04 NUCLEAR REACTIONS ⁹Be(⁶⁷Co, ⁶⁶Fe)X, E=84.3 MeV / nucleon; ⁹Be(⁶⁸Ni, ⁶⁶Fe)X, E=74.7 MeV / nucleon; ⁹Be(⁶⁹Co, ⁶⁸Fe)X, E=77.8 MeV / nucleon; ⁹Be(⁶⁶Fe, ⁶⁴Cr)X, E=73.5 MeV / nucleon; measured Eγ, Iγ, σ. ^{66,68}Fe, ⁶⁴Cr; deduced levels, J, π. ⁹Be(⁷⁶Ge, X)⁶³Fe / ⁶⁴Fe / ⁶⁵Fe / ⁶⁶Fe / ⁶⁸Ni / ⁶⁹Cu, E=130 MeV / nucleon;measured yields. JOUR PRVCA 77 054306
- ⁶⁸Ni 2008AD04 NUCLEAR REACTIONS ⁹Be(⁶⁷Co, ⁶⁶Fe)X, E=84.3 MeV / nucleon; ⁹Be(⁶⁸Ni, ⁶⁶Fe)X, E=74.7 MeV / nucleon; ⁹Be(⁶⁹Co, ⁶⁸Fe)X, E=77.8 MeV / nucleon; ⁹Be(⁶⁶Fe, ⁶⁴Cr)X, E=73.5 MeV / nucleon; measured Eγ, Iγ, σ. ^{66,68}Fe, ⁶⁴Cr; deduced levels, J, π. ⁹Be(⁷⁶Ge, X)⁶³Fe / ⁶⁴Fe / ⁶⁵Fe / ⁶⁶Fe / ⁶⁸Ni / ⁶⁹Cu, E=130 MeV / nucleon;measured yields. JOUR PRVCA 77 054306
- ⁶⁸Ga 2008YA08 NUCLEAR REACTIONS C(⁷²Kr, X), (⁷⁶Kr, X), (⁸⁰Kr, X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. ^{63,64,65,66,67,68}Ga, ^{65,66,67,68,69,70}Ge, ^{67,68,69,70,71,72}As, ^{69,70,71,72,73}Se, ^{72,73,74,75}Br, ^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}Kr; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315
- ⁶⁸Ge 2008YA08 NUCLEAR REACTIONS C(⁷²Kr, X), (⁷⁶Kr, X), (⁸⁰Kr, X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. ^{63,64,65,66,67,68}Ga, ^{65,66,67,68,69,70}Ge, ^{67,68,69,70,71,72}As, ^{69,70,71,72,73}Se, ^{72,73,74,75}Br, ^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}Kr; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315
- ⁶⁸As 2008YA08 NUCLEAR REACTIONS C(⁷²Kr, X), (⁷⁶Kr, X), (⁸⁰Kr, X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. ^{63,64,65,66,67,68}Ga, ^{65,66,67,68,69,70}Ge, ^{67,68,69,70,71,72}As, ^{69,70,71,72,73}Se, ^{72,73,74,75}Br, ^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}Kr; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315

KEYNUMBERS AND KEYWORDS

A=69

- ⁶⁹Cu 2008AD04 NUCLEAR REACTIONS ⁹Be(⁶⁷Co, ⁶⁶Fe)X, E=84.3 MeV / nucleon; ⁹Be(⁶⁸Ni, ⁶⁶Fe)X, E=74.7 MeV / nucleon; ⁹Be(⁶⁹Co, ⁶⁸Fe)X, E=77.8 MeV / nucleon; ⁹Be(⁶⁶Fe, ⁶⁴Cr)X, E=73.5 MeV / nucleon; measured E γ , I γ , σ . ^{66,68}Fe, ⁶⁴Cr; deduced levels, J, π . ⁹Be(⁷⁶Ge, X)⁶³Fe / ⁶⁴Fe / ⁶⁵Fe / ⁶⁶Fe / ⁶⁸Ni / ⁶⁹Cu, E=130 MeV / nucleon; measured yields. JOUR PRVCA 77 054306
- ⁶⁹Ge 2008YA08 NUCLEAR REACTIONS C(⁷²Kr, X), (⁷⁶Kr, X), (⁸⁰Kr, X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. ^{63,64,65,66,67,68}Ga, ^{65,66,67,68,69,70}Ge, ^{67,68,69,70,71,72}As, ^{69,70,71,72,73}Se, ^{72,73,74,75}Br, ^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}Kr; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315
- ⁶⁹As 2008YA08 NUCLEAR REACTIONS C(⁷²Kr, X), (⁷⁶Kr, X), (⁸⁰Kr, X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. ^{63,64,65,66,67,68}Ga, ^{65,66,67,68,69,70}Ge, ^{67,68,69,70,71,72}As, ^{69,70,71,72,73}Se, ^{72,73,74,75}Br, ^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}Kr; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315
- ⁶⁹Se 2008YA08 NUCLEAR REACTIONS C(⁷²Kr, X), (⁷⁶Kr, X), (⁸⁰Kr, X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. ^{63,64,65,66,67,68}Ga, ^{65,66,67,68,69,70}Ge, ^{67,68,69,70,71,72}As, ^{69,70,71,72,73}Se, ^{72,73,74,75}Br, ^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}Kr; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315

A=70

- ⁷⁰Ge 2008YA08 NUCLEAR REACTIONS C(⁷²Kr, X), (⁷⁶Kr, X), (⁸⁰Kr, X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. ^{63,64,65,66,67,68}Ga, ^{65,66,67,68,69,70}Ge, ^{67,68,69,70,71,72}As, ^{69,70,71,72,73}Se, ^{72,73,74,75}Br, ^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}Kr; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315
- ⁷⁰As 2008SI09 NUCLEAR REACTIONS ¹⁶⁹Tm(¹⁶O, X), E=5.9 MeV / nucleon; measured E γ , I γ . ¹⁰⁷In; ⁶⁶Ge; ⁸⁸Nb; ⁹⁵Y; ⁸³Se; ^{99m}Tc; ¹⁰⁹Sn; ¹⁰¹Tc; ⁷⁹As; ¹⁰⁵In; ^{108m}Rh; ⁹⁵Ru; ⁹²Y; ^{98m}Nb; ⁸⁷Kr; ⁹²Sr; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549
- 2008YA08 NUCLEAR REACTIONS C(⁷²Kr, X), (⁷⁶Kr, X), (⁸⁰Kr, X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. ^{63,64,65,66,67,68}Ga, ^{65,66,67,68,69,70}Ge, ^{67,68,69,70,71,72}As, ^{69,70,71,72,73}Se, ^{72,73,74,75}Br, ^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}Kr; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315

KEYNUMBERS AND KEYWORDS

A=70 (continued)

⁷⁰Se 2008YA08 NUCLEAR REACTIONS C(⁷²Kr, X), (⁷⁶Kr, X), (⁸⁰Kr, X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. ^{63,64,65,66,67,68}Ga, ^{65,66,67,68,69,70}Ge, ^{67,68,69,70,71,72}As, ^{69,70,71,72,73}Se, ^{72,73,74,75}Br, ^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}Kr; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315

A=71

⁷¹As 2008KI04 NUCLEAR REACTIONS ⁷⁰Ge(p, γ), E=1.6-4.4 MeV; ⁷⁶Ge(p, n), E=1.6-4.4 MeV; measured E γ , I γ , cross sections. JOUR JPGPE 35 014032

2008YA08 NUCLEAR REACTIONS C(⁷²Kr, X), (⁷⁶Kr, X), (⁸⁰Kr, X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. ^{63,64,65,66,67,68}Ga, ^{65,66,67,68,69,70}Ge, ^{67,68,69,70,71,72}As, ^{69,70,71,72,73}Se, ^{72,73,74,75}Br, ^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}Kr; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315

⁷¹Se 2008YA08 NUCLEAR REACTIONS C(⁷²Kr, X), (⁷⁶Kr, X), (⁸⁰Kr, X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. ^{63,64,65,66,67,68}Ga, ^{65,66,67,68,69,70}Ge, ^{67,68,69,70,71,72}As, ^{69,70,71,72,73}Se, ^{72,73,74,75}Br, ^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}Kr; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315

A=72

⁷²As 2008YA08 NUCLEAR REACTIONS C(⁷²Kr, X), (⁷⁶Kr, X), (⁸⁰Kr, X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. ^{63,64,65,66,67,68}Ga, ^{65,66,67,68,69,70}Ge, ^{67,68,69,70,71,72}As, ^{69,70,71,72,73}Se, ^{72,73,74,75}Br, ^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}Kr; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315

⁷²Se 2008YA08 NUCLEAR REACTIONS C(⁷²Kr, X), (⁷⁶Kr, X), (⁸⁰Kr, X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. ^{63,64,65,66,67,68}Ga, ^{65,66,67,68,69,70}Ge, ^{67,68,69,70,71,72}As, ^{69,70,71,72,73}Se, ^{72,73,74,75}Br, ^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}Kr; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315

⁷²Br 2008YA08 NUCLEAR REACTIONS C(⁷²Kr, X), (⁷⁶Kr, X), (⁸⁰Kr, X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. ^{63,64,65,66,67,68}Ga, ^{65,66,67,68,69,70}Ge, ^{67,68,69,70,71,72}As, ^{69,70,71,72,73}Se, ^{72,73,74,75}Br, ^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}Kr; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315

KEYNUMBERS AND KEYWORDS

A=73

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| ^{73}Se | 2008YA08 | NUCLEAR REACTIONS C(^{72}Kr , X), (^{76}Kr , X), (^{80}Kr , X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. $^{63,64,65,66,67,68}\text{Ga}$, $^{65,66,67,68,69,70}\text{Ge}$, $^{67,68,69,70,71,72}\text{As}$, $^{69,70,71,72,73}\text{Se}$, $^{72,73,74,75}\text{Br}$, $^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}\text{Kr}$; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315 |
| ^{73}Br | 2008YA08 | NUCLEAR REACTIONS C(^{72}Kr , X), (^{76}Kr , X), (^{80}Kr , X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. $^{63,64,65,66,67,68}\text{Ga}$, $^{65,66,67,68,69,70}\text{Ge}$, $^{67,68,69,70,71,72}\text{As}$, $^{69,70,71,72,73}\text{Se}$, $^{72,73,74,75}\text{Br}$, $^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}\text{Kr}$; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315 |
| ^{73}Kr | 2008YA08 | NUCLEAR REACTIONS C(^{72}Kr , X), (^{76}Kr , X), (^{80}Kr , X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. $^{63,64,65,66,67,68}\text{Ga}$, $^{65,66,67,68,69,70}\text{Ge}$, $^{67,68,69,70,71,72}\text{As}$, $^{69,70,71,72,73}\text{Se}$, $^{72,73,74,75}\text{Br}$, $^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}\text{Kr}$; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315 |

A=74

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| ^{74}As | 2008GU04 | NUCLEAR REACTIONS $^{75}\text{As}(^{16}\text{O}, \text{X})^{74}\text{As}$ / ^{76}Br / ^{77}Br / ^{81}Rb / ^{82m}Rb / ^{85}Y / ^{85m}Y / ^{87}Y / ^{86}Zr , E=83.1-111.0 MeV; measured $E\gamma$, $I\gamma$, cross sections, forward recoil range distributions of evaporation residues, complete and incomplete fusion yields. Comparisons with calculations using ALICE-91 code. JOUR IMPEE 17 407 |
| ^{74}Br | 2008SI09 | NUCLEAR REACTIONS $^{159}\text{Tb}(^{16}\text{O}, \text{X})$, E=5.6 MeV / nucleon; measured $E\gamma$, $I\gamma$. ^{77}Kr , ^{84m}Y , ^{80}Sr , ^{75}Br , ^{104}Tc , ^{83}Y , ^{85}Y , ^{87m}Y , ^{81}Sr , ^{83}Sr , ^{85m}Sr , ^{74m}Br , ^{83}Kr , ^{88}Kr , ^{94}Ru , ^{102}Ag , ^{95}Ru , ^{79}Rb , ^{87}Zr , ^{110}In , ^{78}As , ^{112}Ag ; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549 |
| | 2008YA08 | NUCLEAR REACTIONS C(^{72}Kr , X), (^{76}Kr , X), (^{80}Kr , X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. $^{63,64,65,66,67,68}\text{Ga}$, $^{65,66,67,68,69,70}\text{Ge}$, $^{67,68,69,70,71,72}\text{As}$, $^{69,70,71,72,73}\text{Se}$, $^{72,73,74,75}\text{Br}$, $^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}\text{Kr}$; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315 |
| ^{74}Kr | 2008YA08 | NUCLEAR REACTIONS C(^{72}Kr , X), (^{76}Kr , X), (^{80}Kr , X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. $^{63,64,65,66,67,68}\text{Ga}$, $^{65,66,67,68,69,70}\text{Ge}$, $^{67,68,69,70,71,72}\text{As}$, $^{69,70,71,72,73}\text{Se}$, $^{72,73,74,75}\text{Br}$, $^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}\text{Kr}$; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315 |

KEYNUMBERS AND KEYWORDS

A=74 (continued)

⁷⁴Rb 2008HAZZ RADIOACTIVITY ¹⁰C, ¹⁴O, ²²Mg, ^{26m}Al, ³⁴Cl, ³⁴Ar, ^{38m}K, ⁴²Sc, ⁴⁶V, ⁵⁰Mn, ⁵⁴Co, ⁶²Ga, ⁷⁴Rb; analyzed superallowed β -decay data. ³⁴Ar(β^+), (EC) [from ¹H(³⁵Cl, 2n), E=35 MeV / nucleon]; measured E γ , I γ , E β , $\beta\gamma$ coin; deduced β^+ +EC branches for superallowed β decay. CONF Sinaia(Exotic Nuclei and Nucl.Part.Astrophysics(II)) Proc.P119,Ha

A=75

⁷⁵Br 2008SI09 NUCLEAR REACTIONS ¹⁵⁹Tb(¹⁶O, X), E=5.6 MeV / nucleon; measured E γ , I γ . ⁷⁷Kr, ^{84m}Y, ⁸⁰Sr, ⁷⁵Br, ¹⁰⁴Tc, ⁸³Y, ⁸⁵Y, ^{87m}Y, ⁸¹Sr, ⁸³Sr, ^{85m}Sr, ^{74m}Br, ⁸³Kr, ⁸⁸Kr, ⁹⁴Ru, ¹⁰²Ag, ⁹⁵Ru, ⁷⁹Rb, ⁸⁷Zr, ¹¹⁰In, ⁷⁸As, ¹¹²Ag; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549

2008YA08 NUCLEAR REACTIONS C(⁷²Kr, X), (⁷⁶Kr, X), (⁸⁰Kr, X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. ^{63,64,65,66,67,68}Ga, ^{65,66,67,68,69,70}Ge, ^{67,68,69,70,71,72}As, ^{69,70,71,72,73}Se, ^{72,73,74,75}Br, ^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}Kr; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315

⁷⁵Kr 2008YA08 NUCLEAR REACTIONS C(⁷²Kr, X), (⁷⁶Kr, X), (⁸⁰Kr, X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. ^{63,64,65,66,67,68}Ga, ^{65,66,67,68,69,70}Ge, ^{67,68,69,70,71,72}As, ^{69,70,71,72,73}Se, ^{72,73,74,75}Br, ^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}Kr; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315

A=76

⁷⁶Ge 2008ME06 RADIOACTIVITY ⁷⁶Ge(2β); measured E γ , I γ , assignment of γ rays to different impurities. JOUR PRVCA 77 054614

2008RA09 RADIOACTIVITY ⁷⁶Ge, ¹⁰⁰Mo($2\beta^-$); measured Q values using Penning trap. JOUR PYLBB 662 111

⁷⁶As 2008KI04 NUCLEAR REACTIONS ⁷⁰Ge(p, γ), E=1.6-4.4 MeV; ⁷⁶Ge(p, n), E=1.6-4.4 MeV; measured E γ , I γ , cross sections. JOUR JPGPE 35 014032

⁷⁶Se 2007ZIZX NUCLEAR REACTIONS ⁴⁸Ti, Se, ⁷⁶Se, Kr, ⁸²Kr, Cd, ¹⁰⁶Cd, Sm, ¹⁵⁰Sm(μ , ν), E not given; measured E γ , I γ , X-ray energies and intensities; deduced total and partial μ capture rates, yields of radioactive daughter nuclei. CONF Prague (MEDEX'07),Proc.P91,Zinatulina

2008RA09 RADIOACTIVITY ⁷⁶Ge, ¹⁰⁰Mo($2\beta^-$); measured Q values using Penning trap. JOUR PYLBB 662 111

KEYNUMBERS AND KEYWORDS

A=76 (continued)

⁷⁶Br 2008GU04 NUCLEAR REACTIONS ⁷⁵As(¹⁶O, X)⁷⁴As / ⁷⁶Br / ⁷⁷Br / ⁸¹Rb / ^{82m}Rb / ⁸⁵Y / ^{85m}Y / ⁸⁷Y / ⁸⁶Zr, E=83.1-111.0 MeV; measured E γ , I γ , cross sections, forward recoil range distributions of evaporation residues, complete and incomplete fusion yields. Comparisons with calculations using ALICE-91 code. JOUR IMPEE 17 407

A=77

⁷⁷Ge 2008MA08 NUCLEAR REACTIONS ⁷⁶Ge(n, γ), E=spectrum; measured E γ , I γ , capture cross sections. Comparisons to existing data. JOUR JPGPE 35 014022

⁷⁷Br 2008GU04 NUCLEAR REACTIONS ⁷⁵As(¹⁶O, X)⁷⁴As / ⁷⁶Br / ⁷⁷Br / ⁸¹Rb / ^{82m}Rb / ⁸⁵Y / ^{85m}Y / ⁸⁷Y / ⁸⁶Zr, E=83.1-111.0 MeV; measured E γ , I γ , cross sections, forward recoil range distributions of evaporation residues, complete and incomplete fusion yields. Comparisons with calculations using ALICE-91 code. JOUR IMPEE 17 407

⁷⁷Kr 2008SI09 NUCLEAR REACTIONS ¹⁵⁹Tb(¹⁶O, X), E=5.6 MeV / nucleon; measured E γ , I γ . ⁷⁷Kr, ^{84m}Y, ⁸⁰Sr, ⁷⁵Br, ¹⁰⁴Tc, ⁸³Y, ⁸⁵Y, ^{87m}Y, ⁸¹Sr, ⁸³Sr, ^{85m}Sr, ^{74m}Br, ⁸³Kr, ⁸⁸Kr, ⁹⁴Ru, ¹⁰²Ag, ⁹⁵Ru, ⁷⁹Rb, ⁸⁷Zr, ¹¹⁰In, ⁷⁸As, ¹¹²Ag; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549

2008YA08 NUCLEAR REACTIONS C(⁷²Kr, X), (⁷⁶Kr, X), (⁸⁰Kr, X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. ^{63,64,65,66,67,68}Ga, ^{65,66,67,68,69,70}Ge, ^{67,68,69,70,71,72}As, ^{69,70,71,72,73}Se, ^{72,73,74,75}Br, ^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}Kr; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315

A=78

⁷⁸Ge 2008SI09 NUCLEAR REACTIONS ¹⁶⁹Tm(¹⁶O, X), E=5.9 MeV / nucleon; measured E γ , I γ . ¹⁰⁷In, ⁶⁶Ge, ⁸⁸Nb, ⁹⁵Y, ⁸³Se, ^{99m}Tc, ¹⁰⁹Sn, ¹⁰¹Tc, ⁷⁹As, ¹⁰⁵In, ^{108m}Rh, ⁹⁵Ru, ⁹²Y, ^{98m}Nb, ⁸⁷Kr, ⁹²Sr; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549

⁷⁸As 2008SI09 NUCLEAR REACTIONS ¹⁵⁹Tb(¹⁶O, X), E=5.6 MeV / nucleon; measured E γ , I γ . ⁷⁷Kr, ^{84m}Y, ⁸⁰Sr, ⁷⁵Br, ¹⁰⁴Tc, ⁸³Y, ⁸⁵Y, ^{87m}Y, ⁸¹Sr, ⁸³Sr, ^{85m}Sr, ^{74m}Br, ⁸³Kr, ⁸⁸Kr, ⁹⁴Ru, ¹⁰²Ag, ⁹⁵Ru, ⁷⁹Rb, ⁸⁷Zr, ¹¹⁰In, ⁷⁸As, ¹¹²Ag; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549

KEYNUMBERS AND KEYWORDS

A=78 (continued)

⁷⁸Kr 2008YA08 NUCLEAR REACTIONS C(⁷²Kr, X), (⁷⁶Kr, X), (⁸⁰Kr, X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. ^{63,64,65,66,67,68}Ga, ^{65,66,67,68,69,70}Ge, ^{67,68,69,70,71,72}As, ^{69,70,71,72,73}Se, ^{72,73,74,75}Br, ^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}Kr; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315

A=79

⁷⁹As 2008SI09 NUCLEAR REACTIONS ¹⁶⁹Tm(¹⁶O, X), E=5.9 MeV / nucleon; measured E γ , I γ . ¹⁰⁷In; ⁶⁶Ge; ⁸⁸Nb; ⁹⁵Y; ⁸³Se; ^{99m}Tc; ¹⁰⁹Sn; ¹⁰¹Tc; ⁷⁹As; ¹⁰⁵In; ^{108m}Rh; ⁹⁵Ru; ⁹²Y; ^{98m}Nb; ⁸⁷Kr; ⁹²Sr; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549

⁷⁹Kr 2008YA08 NUCLEAR REACTIONS C(⁷²Kr, X), (⁷⁶Kr, X), (⁸⁰Kr, X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. ^{63,64,65,66,67,68}Ga, ^{65,66,67,68,69,70}Ge, ^{67,68,69,70,71,72}As, ^{69,70,71,72,73}Se, ^{72,73,74,75}Br, ^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}Kr; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315

⁷⁹Rb 2008SI09 NUCLEAR REACTIONS ¹⁵⁹Tb(¹⁶O, X), E=5.6 MeV / nucleon; measured E γ , I γ . ⁷⁷Kr, ^{84m}Y, ⁸⁰Sr, ⁷⁵Br, ¹⁰⁴Tc, ⁸³Y, ⁸⁵Y, ^{87m}Y, ⁸¹Sr, ⁸³Sr, ^{85m}Sr, ^{74m}Br, ⁸³Kr, ⁸⁸Kr, ⁹⁴Ru, ¹⁰²Ag, ⁹⁵Ru, ⁷⁹Rb, ⁸⁷Zr, ¹¹⁰In, ⁷⁸As, ¹¹²Ag; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549

A=80

⁸⁰Br 2008D008 NUCLEAR REACTIONS ^{79,81}Br(n, γ), E not given; measured E γ , I γ , cross sections; deduced resonance integrals. JOUR NSENA 159 199

⁸⁰Sr 2008SI09 NUCLEAR REACTIONS ¹⁵⁹Tb(¹⁶O, X), E=5.6 MeV / nucleon; measured E γ , I γ . ⁷⁷Kr, ^{84m}Y, ⁸⁰Sr, ⁷⁵Br, ¹⁰⁴Tc, ⁸³Y, ⁸⁵Y, ^{87m}Y, ⁸¹Sr, ⁸³Sr, ^{85m}Sr, ^{74m}Br, ⁸³Kr, ⁸⁸Kr, ⁹⁴Ru, ¹⁰²Ag, ⁹⁵Ru, ⁷⁹Rb, ⁸⁷Zr, ¹¹⁰In, ⁷⁸As, ¹¹²Ag; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549

A=81

⁸¹Kr 2008YA08 NUCLEAR REACTIONS C(⁷²Kr, X), (⁷⁶Kr, X), (⁸⁰Kr, X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. ^{63,64,65,66,67,68}Ga, ^{65,66,67,68,69,70}Ge, ^{67,68,69,70,71,72}As, ^{69,70,71,72,73}Se, ^{72,73,74,75}Br, ^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}Kr; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315

KEYNUMBERS AND KEYWORDS

A=81 (continued)

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| ^{81}Rb | 2008GU04 | NUCLEAR REACTIONS $^{75}\text{As}(^{16}\text{O}, \text{X})^{74}\text{As} / ^{76}\text{Br} / ^{77}\text{Br} / ^{81}\text{Rb} / ^{82m}\text{Rb} / ^{85}\text{Y} / ^{85m}\text{Y} / ^{87}\text{Y} / ^{86}\text{Zr}$, E=83.1-111.0 MeV; measured $E\gamma$, $I\gamma$, cross sections, forward recoil range distributions of evaporation residues, complete and incomplete fusion yields. Comparisons with calculations using ALICE-91 code. JOUR IMPEE 17 407 |
| ^{81}Sr | 2008SI09 | NUCLEAR REACTIONS $^{159}\text{Tb}(^{16}\text{O}, \text{X})$, E=5.6 MeV / nucleon; measured $E\gamma$, $I\gamma$. ^{77}Kr , ^{84m}Y , ^{80}Sr , ^{75}Br , ^{104}Tc , ^{83}Y , ^{85}Y , ^{87m}Y , ^{81}Sr , ^{83}Sr , ^{85m}Sr , ^{74m}Br , ^{83}Kr , ^{88}Kr , ^{94}Ru , ^{102}Ag , ^{95}Ru , ^{79}Rb , ^{87}Zr , ^{110}In , ^{78}As , ^{112}Ag ; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549 |

A=82

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| ^{82}Br | 2008D008 | NUCLEAR REACTIONS $^{79,81}\text{Br}(n, \gamma)$, E not given; measured $E\gamma$, $I\gamma$, cross sections; deduced resonance integrals. JOUR NSENA 159 199 |
| ^{82}Kr | 2007ZIZX | NUCLEAR REACTIONS ^{48}Ti , Se, ^{76}Se , Kr, ^{82}Kr , Cd, ^{106}Cd , Sm, $^{150}\text{Sm}(\mu, \nu)$, E not given; measured $E\gamma$, $I\gamma$, X-ray energies and intensities; deduced total and partial μ capture rates, yields of radioactive daughter nuclei. CONF Prague (MEDEX'07), Proc.P91,Zinatulina |
| | 2008YA08 | NUCLEAR REACTIONS C(^{72}Kr , X), (^{76}Kr , X), (^{80}Kr , X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. $^{63,64,65,66,67,68}\text{Ga}$, $^{65,66,67,68,69,70}\text{Ge}$, $^{67,68,69,70,71,72}\text{As}$, $^{69,70,71,72,73}\text{Se}$, $^{72,73,74,75}\text{Br}$, $^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}\text{Kr}$; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315 |
| ^{82}Rb | 2008GU04 | NUCLEAR REACTIONS $^{75}\text{As}(^{16}\text{O}, \text{X})^{74}\text{As} / ^{76}\text{Br} / ^{77}\text{Br} / ^{81}\text{Rb} / ^{82m}\text{Rb} / ^{85}\text{Y} / ^{85m}\text{Y} / ^{87}\text{Y} / ^{86}\text{Zr}$, E=83.1-111.0 MeV; measured $E\gamma$, $I\gamma$, cross sections, forward recoil range distributions of evaporation residues, complete and incomplete fusion yields. Comparisons with calculations using ALICE-91 code. JOUR IMPEE 17 407 |

A=83

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| ^{83}Se | 2008SI09 | NUCLEAR REACTIONS $^{169}\text{Tm}(^{16}\text{O}, \text{X})$, E=5.9 MeV / nucleon; measured $E\gamma$, $I\gamma$. ^{107}In ; ^{66}Ge ; ^{88}Nb ; ^{95}Y ; ^{83}Se ; ^{99m}Tc ; ^{109}Sn ; ^{101}Tc ; ^{79}As ; ^{105}In ; ^{108m}Rh ; ^{95}Ru ; ^{92}Y ; ^{98m}Nb ; ^{87}Kr ; ^{92}Sr ; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549 |
| ^{83}Kr | 2008SI09 | NUCLEAR REACTIONS $^{159}\text{Tb}(^{16}\text{O}, \text{X})$, E=5.6 MeV / nucleon; measured $E\gamma$, $I\gamma$. ^{77}Kr , ^{84m}Y , ^{80}Sr , ^{75}Br , ^{104}Tc , ^{83}Y , ^{85}Y , ^{87m}Y , ^{81}Sr , ^{83}Sr , ^{85m}Sr , ^{74m}Br , ^{83}Kr , ^{88}Kr , ^{94}Ru , ^{102}Ag , ^{95}Ru , ^{79}Rb , ^{87}Zr , ^{110}In , ^{78}As , ^{112}Ag ; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549 |

KEYNUMBERS AND KEYWORDS

A=83 (continued)

- 2008YA08 NUCLEAR REACTIONS C(⁷²Kr, X), (⁷⁶Kr, X), (⁸⁰Kr, X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. ^{63,64,65,66,67,68}Ga, ^{65,66,67,68,69,70}Ge, ^{67,68,69,70,71,72}As, ^{69,70,71,72,73}Se, ^{72,73,74,75}Br, ^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}Kr; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315
- ⁸³Sr 2008SI09 NUCLEAR REACTIONS ¹⁵⁹Tb(¹⁶O, X), E=5.6 MeV / nucleon; measured E γ , I γ . ⁷⁷Kr, ^{84m}Y, ⁸⁰Sr, ⁷⁵Br, ¹⁰⁴Tc, ⁸³Y, ⁸⁵Y, ^{87m}Y, ⁸¹Sr, ⁸³Sr, ^{85m}Sr, ^{74m}Br, ⁸³Kr, ⁸⁸Kr, ⁹⁴Ru, ¹⁰²Ag, ⁹⁵Ru, ⁷⁹Rb, ⁸⁷Zr, ¹¹⁰In, ⁷⁸As, ¹¹²Ag; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549
- ⁸³Y 2008SI09 NUCLEAR REACTIONS ¹⁵⁹Tb(¹⁶O, X), E=5.6 MeV / nucleon; measured E γ , I γ . ⁷⁷Kr, ^{84m}Y, ⁸⁰Sr, ⁷⁵Br, ¹⁰⁴Tc, ⁸³Y, ⁸⁵Y, ^{87m}Y, ⁸¹Sr, ⁸³Sr, ^{85m}Sr, ^{74m}Br, ⁸³Kr, ⁸⁸Kr, ⁹⁴Ru, ¹⁰²Ag, ⁹⁵Ru, ⁷⁹Rb, ⁸⁷Zr, ¹¹⁰In, ⁷⁸As, ¹¹²Ag; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549

A=84

- ⁸⁴Kr 2008YA08 NUCLEAR REACTIONS C(⁷²Kr, X), (⁷⁶Kr, X), (⁸⁰Kr, X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. ^{63,64,65,66,67,68}Ga, ^{65,66,67,68,69,70}Ge, ^{67,68,69,70,71,72}As, ^{69,70,71,72,73}Se, ^{72,73,74,75}Br, ^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}Kr; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315
- ⁸⁴Y 2008SI09 NUCLEAR REACTIONS ¹⁵⁹Tb(¹⁶O, X), E=5.6 MeV / nucleon; measured E γ , I γ . ⁷⁷Kr, ^{84m}Y, ⁸⁰Sr, ⁷⁵Br, ¹⁰⁴Tc, ⁸³Y, ⁸⁵Y, ^{87m}Y, ⁸¹Sr, ⁸³Sr, ^{85m}Sr, ^{74m}Br, ⁸³Kr, ⁸⁸Kr, ⁹⁴Ru, ¹⁰²Ag, ⁹⁵Ru, ⁷⁹Rb, ⁸⁷Zr, ¹¹⁰In, ⁷⁸As, ¹¹²Ag; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549

A=85

- ⁸⁵Kr 2008YA08 NUCLEAR REACTIONS C(⁷²Kr, X), (⁷⁶Kr, X), (⁸⁰Kr, X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. ^{63,64,65,66,67,68}Ga, ^{65,66,67,68,69,70}Ge, ^{67,68,69,70,71,72}As, ^{69,70,71,72,73}Se, ^{72,73,74,75}Br, ^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}Kr; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315

KEYNUMBERS AND KEYWORDS

A=85 (continued)

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| ^{85}Sr | 2008SI09 | NUCLEAR REACTIONS $^{159}\text{Tb}(^{16}\text{O}, \text{X})$, $E=5.6$ MeV / nucleon; measured $E\gamma$, $I\gamma$. ^{77}Kr , ^{84m}Y , ^{80}Sr , ^{75}Br , ^{104}Tc , ^{83}Y , ^{85}Y , ^{87m}Y , ^{81}Sr , ^{83}Sr , ^{85m}Sr , ^{74m}Br , ^{83}Kr , ^{88}Kr , ^{94}Ru , ^{102}Ag , ^{95}Ru , ^{79}Rb , ^{87}Zr , ^{110}In , ^{78}As , ^{112}Ag ; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549 |
| ^{85}Y | 2008GU04 | NUCLEAR REACTIONS $^{75}\text{As}(^{16}\text{O}, \text{X})^{74}\text{As} / ^{76}\text{Br} / ^{77}\text{Br} / ^{81}\text{Rb} / ^{82m}\text{Rb} / ^{85}\text{Y} / ^{85m}\text{Y} / ^{87}\text{Y} / ^{86}\text{Zr}$, $E=83.1-111.0$ MeV; measured $E\gamma$, $I\gamma$, cross sections, forward recoil range distributions of evaporation residues, complete and incomplete fusion yields. Comparisons with calculations using ALICE-91 code. JOUR IMPEE 17 407 |
| | 2008SI09 | NUCLEAR REACTIONS $^{159}\text{Tb}(^{16}\text{O}, \text{X})$, $E=5.6$ MeV / nucleon; measured $E\gamma$, $I\gamma$. ^{77}Kr , ^{84m}Y , ^{80}Sr , ^{75}Br , ^{104}Tc , ^{83}Y , ^{85}Y , ^{87m}Y , ^{81}Sr , ^{83}Sr , ^{85m}Sr , ^{74m}Br , ^{83}Kr , ^{88}Kr , ^{94}Ru , ^{102}Ag , ^{95}Ru , ^{79}Rb , ^{87}Zr , ^{110}In , ^{78}As , ^{112}Ag ; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549 |

A=86

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| ^{86}Kr | 2008YA08 | NUCLEAR REACTIONS $\text{C}(^{72}\text{Kr}, \text{X})$, $(^{76}\text{Kr}, \text{X})$, $(^{80}\text{Kr}, \text{X})$, $E=1.05$ GeV / nucleon; measured interaction cross sections, effective matter radii. $^{63,64,65,66,67,68}\text{Ga}$, $^{65,66,67,68,69,70}\text{Ge}$, $^{67,68,69,70,71,72}\text{As}$, $^{69,70,71,72,73}\text{Se}$, $^{72,73,74,75}\text{Br}$, $^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}\text{Kr}$; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315 |
| ^{86}Zr | 2008GU04 | NUCLEAR REACTIONS $^{75}\text{As}(^{16}\text{O}, \text{X})^{74}\text{As} / ^{76}\text{Br} / ^{77}\text{Br} / ^{81}\text{Rb} / ^{82m}\text{Rb} / ^{85}\text{Y} / ^{85m}\text{Y} / ^{87}\text{Y} / ^{86}\text{Zr}$, $E=83.1-111.0$ MeV; measured $E\gamma$, $I\gamma$, cross sections, forward recoil range distributions of evaporation residues, complete and incomplete fusion yields. Comparisons with calculations using ALICE-91 code. JOUR IMPEE 17 407 |

A=87

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|------------------|----------|---|
| ^{87}Kr | 2008SI09 | NUCLEAR REACTIONS $^{169}\text{Tm}(^{16}\text{O}, \text{X})$, $E=5.9$ MeV / nucleon; measured $E\gamma$, $I\gamma$. ^{107}In ; ^{66}Ge ; ^{88}Nb ; ^{95}Y ; ^{83}Se ; ^{99m}Tc ; ^{109}Sn ; ^{101}Tc ; ^{79}As ; ^{105}In ; ^{108m}Rh ; ^{95}Ru ; ^{92}Y ; ^{98m}Nb ; ^{87}Kr ; ^{92}Sr ; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549 |
| | 2008YA08 | NUCLEAR REACTIONS $\text{C}(^{72}\text{Kr}, \text{X})$, $(^{76}\text{Kr}, \text{X})$, $(^{80}\text{Kr}, \text{X})$, $E=1.05$ GeV / nucleon; measured interaction cross sections, effective matter radii. $^{63,64,65,66,67,68}\text{Ga}$, $^{65,66,67,68,69,70}\text{Ge}$, $^{67,68,69,70,71,72}\text{As}$, $^{69,70,71,72,73}\text{Se}$, $^{72,73,74,75}\text{Br}$, $^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}\text{Kr}$; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315 |

KEYNUMBERS AND KEYWORDS

A=87 (continued)

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| ^{87}Y | 2008GU04 | NUCLEAR REACTIONS $^{75}\text{As}(^{16}\text{O}, \text{X})^{74}\text{As}$ / ^{76}Br / ^{77}Br / ^{81}Rb / ^{82m}Rb / ^{85}Y / ^{85m}Y / ^{87}Y / ^{86}Zr , E=83.1-111.0 MeV; measured $E\gamma$, $I\gamma$, cross sections, forward recoil range distributions of evaporation residues, complete and incomplete fusion yields. Comparisons with calculations using ALICE-91 code. JOUR IMPEE 17 407 |
| | 2008SI09 | NUCLEAR REACTIONS $^{159}\text{Tb}(^{16}\text{O}, \text{X})$, E=5.6 MeV / nucleon; measured $E\gamma$, $I\gamma$. ^{77}Kr , ^{84m}Y , ^{80}Sr , ^{75}Br , ^{104}Tc , ^{83}Y , ^{85}Y , ^{87m}Y , ^{81}Sr , ^{83}Sr , ^{85m}Sr , ^{74m}Br , ^{83}Kr , ^{88}Kr , ^{94}Ru , ^{102}Ag , ^{95}Ru , ^{79}Rb , ^{87}Zr , ^{110}In , ^{78}As , ^{112}Ag ; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549 |
| ^{87}Zr | 2008SI09 | NUCLEAR REACTIONS $^{159}\text{Tb}(^{16}\text{O}, \text{X})$, E=5.6 MeV / nucleon; measured $E\gamma$, $I\gamma$. ^{77}Kr , ^{84m}Y , ^{80}Sr , ^{75}Br , ^{104}Tc , ^{83}Y , ^{85}Y , ^{87m}Y , ^{81}Sr , ^{83}Sr , ^{85m}Sr , ^{74m}Br , ^{83}Kr , ^{88}Kr , ^{94}Ru , ^{102}Ag , ^{95}Ru , ^{79}Rb , ^{87}Zr , ^{110}In , ^{78}As , ^{112}Ag ; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549 |

A=88

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| ^{88}Kr | 2008SI09 | NUCLEAR REACTIONS $^{159}\text{Tb}(^{16}\text{O}, \text{X})$, E=5.6 MeV / nucleon; measured $E\gamma$, $I\gamma$. ^{77}Kr , ^{84m}Y , ^{80}Sr , ^{75}Br , ^{104}Tc , ^{83}Y , ^{85}Y , ^{87m}Y , ^{81}Sr , ^{83}Sr , ^{85m}Sr , ^{74m}Br , ^{83}Kr , ^{88}Kr , ^{94}Ru , ^{102}Ag , ^{95}Ru , ^{79}Rb , ^{87}Zr , ^{110}In , ^{78}As , ^{112}Ag ; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549 |
| | 2008YA08 | NUCLEAR REACTIONS C(^{72}Kr , X), (^{76}Kr , X), (^{80}Kr , X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. $^{63,64,65,66,67,68}\text{Ga}$, $^{65,66,67,68,69,70}\text{Ge}$, $^{67,68,69,70,71,72}\text{As}$, $^{69,70,71,72,73}\text{Se}$, $^{72,73,74,75}\text{Br}$, $^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}\text{Kr}$; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315 |
| ^{88}Zr | 2008NA05 | NUCLEAR REACTIONS $^{92}\text{Mo}(\gamma, \text{p})$, (γ, n), (γ, α), E not given; $^{144}\text{Sm}(\gamma, \text{n})$, (γ, α), E not given; measured $E\gamma$, $I\gamma$, activation yields. Comparison with model calculations. JOUR JPGPE 35 014036 |
| ^{88}Nb | 2008SI09 | NUCLEAR REACTIONS $^{169}\text{Tm}(^{16}\text{O}, \text{X})$, E=5.9 MeV / nucleon; measured $E\gamma$, $I\gamma$. ^{107}In ; ^{66}Ge ; ^{88}Nb ; ^{95}Y ; ^{83}Se ; ^{99m}Tc ; ^{109}Sn ; ^{101}Tc ; ^{79}As ; ^{105}In ; ^{108m}Rh ; ^{95}Ru ; ^{92}Y ; ^{98m}Nb ; ^{87}Kr ; ^{92}Sr ; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549 |

KEYNUMBERS AND KEYWORDS

A=89

- ⁸⁹Kr 2008YA08 NUCLEAR REACTIONS C(⁷²Kr, X), (⁷⁶Kr, X), (⁸⁰Kr, X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. ^{63,64,65,66,67,68}Ga, ^{65,66,67,68,69,70}Ge, ^{67,68,69,70,71,72}As, ^{69,70,71,72,73}Se, ^{72,73,74,75}Br, ^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}Kr; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315
- ⁸⁹Y 2008KI06 NUCLEAR REACTIONS ⁸⁹Y(α , α), E(cm)=15.5, 18.6 MeV; measured E α , I α , $\sigma(\theta)$. JOUR JPGPE 35 014037
- ⁸⁹Tc 2007HEZV ATOMIC MASSES ^{143,147}Tb, ^{143,144,145,146,147,148}Dy, ^{144,145,146,147,148}Ho, ^{146,147,148}Er, ^{147,148}Tm, ¹¹³Xe, ^{111,112,113}I, ^{109,110,111,112}Te, ^{107,109,111}Sb, ^{105,106}Sn, ^{102,103,104,105}In, ^{101,102,103,104}Cd, ^{99,101,103}Ag, ^{89,90,91,92,93,94}Tc, ^{90,91,92,94,96}Ru, ^{92,93,95,96,97,98}Rh; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth

A=90

- ⁹⁰Kr 2008YA08 NUCLEAR REACTIONS C(⁷²Kr, X), (⁷⁶Kr, X), (⁸⁰Kr, X), E=1.05 GeV / nucleon; measured interaction cross sections, effective matter radii. ^{63,64,65,66,67,68}Ga, ^{65,66,67,68,69,70}Ge, ^{67,68,69,70,71,72}As, ^{69,70,71,72,73}Se, ^{72,73,74,75}Br, ^{73,74,75,77,78,79,81,82,83,84,85,86,87,88,89,90}Kr; systematics. Comparison with Skyrme-Hartree-Fock-Bogoliubov calculations. JOUR PRVCA 77 034315
- ⁹⁰Sr 2008GR08 RADIOACTIVITY ⁹⁰Sr(β^-); measured E β , I β ; deduced shape factor. JOUR ARISE 66 1021
- ⁹⁰Y 2008GR08 RADIOACTIVITY ⁹⁰Sr(β^-); measured E β , I β ; deduced shape factor. JOUR ARISE 66 1021
- ⁹⁰Zr 2008GA10 NUCLEAR REACTIONS ⁹Be(³⁶Ar, X)¹⁹F / ²⁰Ne / ²¹Na / ²²Mg / ²³Al, E=130 MeV / nucleon; measured energy loss, intensities for reaction products. ⁹Be(²⁴Si, X)²³Al / ²³Si, E=85.3 MeV / nucleon; measured single-particle cross sections, momentum distributions, spectroscopic factors. ⁹Be(²⁸S, X)²⁷P, E=80.7 MeV / nucleon; measured E γ , I γ . ⁹Be(²⁸S, X)²⁷P / ²⁷S, E=80.7 MeV / nucleon; measured single particle cross sections, spectroscopic factors, momentum distributions. ⁷Li, ⁸B, ^{9,12,15}C, ¹⁶O, ^{32,34,36}Ar, ^{24,30}Si, ^{26,28}S, ³¹P, ^{40,48}Ca, ⁵¹V, ⁹⁰Zr, ²⁰⁸Pb; systematics of cross sections. JOUR PRVCA 77 044306
- 2008UT02 NUCLEAR REACTIONS ^{91,92,94}Zr(γ , n), E not given; measured En, In, cross sections. Compared results to model calculations. JOUR PRLTA 100 162502
- ⁹⁰Tc 2007HEZV ATOMIC MASSES ^{143,147}Tb, ^{143,144,145,146,147,148}Dy, ^{144,145,146,147,148}Ho, ^{146,147,148}Er, ^{147,148}Tm, ¹¹³Xe, ^{111,112,113}I, ^{109,110,111,112}Te, ^{107,109,111}Sb, ^{105,106}Sn, ^{102,103,104,105}In, ^{101,102,103,104}Cd, ^{99,101,103}Ag, ^{89,90,91,92,93,94}Tc, ^{90,91,92,94,96}Ru, ^{92,93,95,96,97,98}Rh; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth

KEYNUMBERS AND KEYWORDS

A=90 (continued)

⁹⁰Ru 2007HEZV ATOMIC MASSES ^{143,147}Tb, ^{143,144,145,146,147,148}Dy,
^{144,145,146,147,148}Ho, ^{146,147,148}Er, ^{147,148}Tm, ¹¹³Xe, ^{111,112,113}I,
^{109,110,111,112}Te, ^{107,109,111}Sb, ^{105,106}Sn, ^{102,103,104,105}In,
^{101,102,103,104}Cd, ^{99,101,103}Ag, ^{89,90,91,92,93,94}Tc, ^{90,91,92,94,96}Ru,
^{92,93,95,96,97,98}Rh; measured masses. SHIPTRAP penning trap
spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth

A=91

⁹¹Zr 2008TA04 NUCLEAR REACTIONS ⁹⁰Zr(n, γ), E<250 MeV; measured σ ,
neutron resonances. E γ , I γ , n-TOF spallation source. R-matrix
analysis. JOUR PRVCA 77 035802

⁹¹Zr 2008UT02 NUCLEAR REACTIONS ^{91,92,94}Zr(γ , n), E not given; measured En,
In, cross sections. Compared results to model calculations. JOUR
PRFTA 100 162502

⁹¹Nb 2008NA05 NUCLEAR REACTIONS ⁹²Mo(γ , p), (γ , n), (γ , α), E not given;
¹⁴⁴Sm(γ , n), (γ , α), E not given; measured E γ , I γ , activation yields.
Comparison with model calculations. JOUR JPGPE 35 014036

⁹¹Mo 2008NA05 NUCLEAR REACTIONS ⁹²Mo(γ , p), (γ , n), (γ , α), E not given;
¹⁴⁴Sm(γ , n), (γ , α), E not given; measured E γ , I γ , activation yields.
Comparison with model calculations. JOUR JPGPE 35 014036

⁹¹Tc 2007HEZV ATOMIC MASSES ^{143,147}Tb, ^{143,144,145,146,147,148}Dy,
^{144,145,146,147,148}Ho, ^{146,147,148}Er, ^{147,148}Tm, ¹¹³Xe, ^{111,112,113}I,
^{109,110,111,112}Te, ^{107,109,111}Sb, ^{105,106}Sn, ^{102,103,104,105}In,
^{101,102,103,104}Cd, ^{99,101,103}Ag, ^{89,90,91,92,93,94}Tc, ^{90,91,92,94,96}Ru,
^{92,93,95,96,97,98}Rh; measured masses. SHIPTRAP penning trap
spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth

⁹¹Ru 2007HEZV ATOMIC MASSES ^{143,147}Tb, ^{143,144,145,146,147,148}Dy,
^{144,145,146,147,148}Ho, ^{146,147,148}Er, ^{147,148}Tm, ¹¹³Xe, ^{111,112,113}I,
^{109,110,111,112}Te, ^{107,109,111}Sb, ^{105,106}Sn, ^{102,103,104,105}In,
^{101,102,103,104}Cd, ^{99,101,103}Ag, ^{89,90,91,92,93,94}Tc, ^{90,91,92,94,96}Ru,
^{92,93,95,96,97,98}Rh; measured masses. SHIPTRAP penning trap
spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth

A=92

⁹²Sr 2008SI09 NUCLEAR REACTIONS ¹⁶⁹Tm(¹⁶O, X), E=5.9 MeV / nucleon;
measured E γ , I γ .
¹⁰⁷In; ⁶⁶Ge; ⁸⁸Nb; ⁹⁵Y; ⁸³Se; ^{99m}Tc; ¹⁰⁹Sn; ¹⁰¹Tc; ⁷⁹As; ¹⁰⁵In; ^{108m}Rh; ⁹⁵Ru; ⁹²Y; ^{98m}Nb; ⁸⁷Kr; ⁹²Sr;
deduced σ of fission like events after complete and / or incomplete
fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549

⁹²Y 2008SI09 NUCLEAR REACTIONS ¹⁶⁹Tm(¹⁶O, X), E=5.9 MeV / nucleon;
measured E γ , I γ .
¹⁰⁷In; ⁶⁶Ge; ⁸⁸Nb; ⁹⁵Y; ⁸³Se; ^{99m}Tc; ¹⁰⁹Sn; ¹⁰¹Tc; ⁷⁹As; ¹⁰⁵In; ^{108m}Rh; ⁹⁵Ru; ⁹²Y; ^{98m}Nb; ⁸⁷Kr; ⁹²Sr;
deduced σ of fission like events after complete and / or incomplete
fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549

KEYNUMBERS AND KEYWORDS

A=92 (continued)

^{92}Mo	2008DE16	ATOMIC MASSES $^{96,98,99,100,101,102,104}\text{Ru}$; measured absolute isotopic abundances by thermal-ionization mass spectrometry. $^{92,94,95,96,97,98,100}\text{Mo}$, $^{138,139}\text{La}$, $^{168,170,171,172,173,174,176}\text{Yb}$, $^{180,181}\text{Ta}$; compiled absolute isotopic abundances. JOUR PRVCA 77 045803
	2008WA07	NUCLEAR REACTIONS $^{92,94,96,98,100}\text{Mo}(\gamma, \gamma')$, E not given; measured $E\gamma$, $I\gamma$, photoabsorption cross sections. JOUR JPGPE 35 014035
^{92}Tc	2007HEZV	ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth
^{92}Ru	2007HEZV	ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth
^{92}Rh	2007HEZV	ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth

A=93

^{93}Zr	2008UT02	NUCLEAR REACTIONS $^{91,92,94}\text{Zr}(\gamma, n)$, E not given; measured En, In, cross sections. Compared results to model calculations. JOUR PRLTA 100 162502
^{93}Tc	2007HEZV	ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth
^{93}Rh	2007HEZV	ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth

KEYNUMBERS AND KEYWORDS

A=94

- ⁹⁴Mo 2008DE16 ATOMIC MASSES ^{96,98,99,100,101,102,104}Ru; measured absolute isotopic abundances by thermal-ionization mass spectrometry. ^{92,94,95,96,97,98,100}Mo, ^{138,139}La, ^{168,170,171,172,173,174,176}Yb, ^{180,181}Ta; compiled absolute isotopic abundances. JOUR PRVCA 77 045803
- 2008WA07 NUCLEAR REACTIONS ^{92,94,96,98,100}Mo(γ , γ'), E not given; measured $E\gamma$, $I\gamma$, photoabsorption cross sections. JOUR JPGPE 35 014035
- ⁹⁴Tc 2007HEZV ATOMIC MASSES ^{143,147}Tb, ^{143,144,145,146,147,148}Dy, ^{144,145,146,147,148}Ho, ^{146,147,148}Er, ^{147,148}Tm, ¹¹³Xe, ^{111,112,113}I, ^{109,110,111,112}Te, ^{107,109,111}Sb, ^{105,106}Sn, ^{102,103,104,105}In, ^{101,102,103,104}Cd, ^{99,101,103}Ag, ^{89,90,91,92,93,94}Tc, ^{90,91,92,94,96}Ru, ^{92,93,95,96,97,98}Rh; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth
- ⁹⁴Ru 2007HEZV ATOMIC MASSES ^{143,147}Tb, ^{143,144,145,146,147,148}Dy, ^{144,145,146,147,148}Ho, ^{146,147,148}Er, ^{147,148}Tm, ¹¹³Xe, ^{111,112,113}I, ^{109,110,111,112}Te, ^{107,109,111}Sb, ^{105,106}Sn, ^{102,103,104,105}In, ^{101,102,103,104}Cd, ^{99,101,103}Ag, ^{89,90,91,92,93,94}Tc, ^{90,91,92,94,96}Ru, ^{92,93,95,96,97,98}Rh; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth
- 2008SI09 NUCLEAR REACTIONS ¹⁵⁹Tb(¹⁶O, X), E=5.6 MeV / nucleon; measured $E\gamma$, $I\gamma$. ⁷⁷Kr, ^{84m}Y, ⁸⁰Sr, ⁷⁵Br, ¹⁰⁴Tc, ⁸³Y, ⁸⁵Y, ^{87m}Y, ⁸¹Sr, ⁸³Sr, ^{85m}Sr, ^{74m}Br, ⁸³Kr, ⁸⁸Kr, ⁹⁴Ru, ¹⁰²Ag, ⁹⁵Ru, ⁷⁹Rb, ⁸⁷Zr, ¹¹⁰In, ⁷⁸As, ¹¹²Ag; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549

A=95

- ⁹⁵Y 2008SI09 NUCLEAR REACTIONS ¹⁶⁹Tm(¹⁶O, X), E=5.9 MeV / nucleon; measured $E\gamma$, $I\gamma$. ¹⁰⁷In; ⁶⁶Ge; ⁸⁸Nb; ⁹⁵Y; ⁸³Se; ^{99m}Tc; ¹⁰⁹Sn; ¹⁰¹Tc; ⁷⁹As; ¹⁰⁵In; ^{108m}Rh; ⁹⁵Ru; ⁹²Y; ^{98m}Nb; ⁸⁷Kr; ⁹²Sr; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549
- ⁹⁵Zr 2008V004 NUCLEAR REACTIONS ^{180,182}Hf(n, γ), E=thermal; measured $E\gamma$, $I\gamma$, σ , reaction rates. ^{94,96}Zr(n, γ), E=thermal; measured reaction rates. ²³Na, ³⁷Cl, ⁵⁵Mn, ¹¹⁵In, ¹⁷⁹Hf, ¹⁸²Ta(n, γ), E=thermal; measured $E\gamma$. JOUR PRVCA 77 044608
- ⁹⁵Mo 2008DE16 ATOMIC MASSES ^{96,98,99,100,101,102,104}Ru; measured absolute isotopic abundances by thermal-ionization mass spectrometry. ^{92,94,95,96,97,98,100}Mo, ^{138,139}La, ^{168,170,171,172,173,174,176}Yb, ^{180,181}Ta; compiled absolute isotopic abundances. JOUR PRVCA 77 045803
- 2008KR04 NUCLEAR REACTIONS ⁹⁴Mo(n, γ), E=thermal; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, two-step γ cascades, σ_γ , , multiplicities. ⁹⁵Mo; deduced levels, J, π , level densities. ⁹⁶Mo(³He, ³He), ⁹⁷Mo(³He, $\alpha\gamma$); systematics. JOUR PRVCA 77 054319

KEYNUMBERS AND KEYWORDS

A=95 (continued)

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| ⁹⁵ Ru | 2008SI09 | NUCLEAR REACTIONS ¹⁵⁹ Tb(¹⁶ O, X), E=5.6 MeV / nucleon; measured E γ , I γ . ⁷⁷ Kr, ^{84m} Y, ⁸⁰ Sr, ⁷⁵ Br, ¹⁰⁴ Tc, ⁸³ Y, ⁸⁵ Y, ^{87m} Y, ⁸¹ Sr, ⁸³ Sr, ^{85m} Sr, ^{74m} Br, ⁸³ Kr, ⁸⁸ Kr, ⁹⁴ Ru, ¹⁰² Ag, ⁹⁵ Ru, ⁷⁹ Rb, ⁸⁷ Zr, ¹¹⁰ In, ⁷⁸ As, ¹¹² Ag; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549 |
| | 2008SI09 | NUCLEAR REACTIONS ¹⁶⁹ Tm(¹⁶ O, X), E=5.9 MeV / nucleon; measured E γ , I γ . ¹⁰⁷ In; ⁶⁶ Ge; ⁸⁸ Nb; ⁹⁵ Y; ⁸³ Se; ^{99m} Tc; ¹⁰⁹ Sn; ¹⁰¹ Tc; ⁷⁹ As; ¹⁰⁵ In; ^{108m} Rh; ⁹⁵ Ru; ⁹² Y; ^{98m} Nb; ⁸⁷ Kr; ⁹² Sr; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549 |
| ⁹⁵ Rh | 2007HEZV | ATOMIC MASSES ^{143,147} Tb, ^{143,144,145,146,147,148} Dy, ^{144,145,146,147,148} Ho, ^{146,147,148} Er, ^{147,148} Tm, ¹¹³ Xe, ^{111,112,113} I, ^{109,110,111,112} Te, ^{107,109,111} Sb, ^{105,106} Sn, ^{102,103,104,105} In, ^{101,102,103,104} Cd, ^{99,101,103} Ag, ^{89,90,91,92,93,94} Tc, ^{90,91,92,94,96} Ru, ^{92,93,95,96,97,98} Rh; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth |

A=96

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| ⁹⁶ Mo | 2008DE16 | ATOMIC MASSES ^{96,98,99,100,101,102,104} Ru; measured absolute isotopic abundances by thermal-ionization mass spectrometry. ^{92,94,95,96,97,98,100} Mo, ^{138,139} La, ^{168,170,171,172,173,174,176} Yb, ^{180,181} Ta; compiled absolute isotopic abundances. JOUR PRVCA 77 045803 |
| | 2008KR04 | NUCLEAR REACTIONS ⁹⁴ Mo(n, γ), E=thermal; measured E γ , I γ , $\gamma\gamma$ -coin, two-step γ cascades, σ_γ , , multiplicities. ⁹⁵ Mo; deduced levels, J, π , level densities. ⁹⁶ Mo(³ He, ³ He), ⁹⁷ Mo(³ He, $\alpha\gamma$); systematics. JOUR PRVCA 77 054319 |
| | 2008WA07 | NUCLEAR REACTIONS ^{92,94,96,98,100} Mo(γ , γ'), E not given; measured E γ , I γ , photoabsorption cross sections. JOUR JPGPE 35 014035 |
| ⁹⁶ Ru | 2007HEZV | ATOMIC MASSES ^{143,147} Tb, ^{143,144,145,146,147,148} Dy, ^{144,145,146,147,148} Ho, ^{146,147,148} Er, ^{147,148} Tm, ¹¹³ Xe, ^{111,112,113} I, ^{109,110,111,112} Te, ^{107,109,111} Sb, ^{105,106} Sn, ^{102,103,104,105} In, ^{101,102,103,104} Cd, ^{99,101,103} Ag, ^{89,90,91,92,93,94} Tc, ^{90,91,92,94,96} Ru, ^{92,93,95,96,97,98} Rh; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth |
| | 2008DE16 | ATOMIC MASSES ^{96,98,99,100,101,102,104} Ru; measured absolute isotopic abundances by thermal-ionization mass spectrometry. ^{92,94,95,96,97,98,100} Mo, ^{138,139} La, ^{168,170,171,172,173,174,176} Yb, ^{180,181} Ta; compiled absolute isotopic abundances. JOUR PRVCA 77 045803 |
| ⁹⁶ Rh | 2007HEZV | ATOMIC MASSES ^{143,147} Tb, ^{143,144,145,146,147,148} Dy, ^{144,145,146,147,148} Ho, ^{146,147,148} Er, ^{147,148} Tm, ¹¹³ Xe, ^{111,112,113} I, ^{109,110,111,112} Te, ^{107,109,111} Sb, ^{105,106} Sn, ^{102,103,104,105} In, ^{101,102,103,104} Cd, ^{99,101,103} Ag, ^{89,90,91,92,93,94} Tc, ^{90,91,92,94,96} Ru, ^{92,93,95,96,97,98} Rh; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth |

KEYNUMBERS AND KEYWORDS

A=97

- ⁹⁷Zr 2008V004 NUCLEAR REACTIONS ^{180,182}Hf(n, γ), E=thermal; measured E γ , I γ , σ , reaction rates. ^{94,96}Zr(n, γ), E=thermal; measured reaction rates. ²³Na, ³⁷Cl, ⁵⁵Mn, ¹¹⁵In, ¹⁷⁹Hf, ¹⁸²Ta(n, γ), E=thermal; measured E γ . JOUR PRVCA 77 044608
- ⁹⁷Mo 2008DE16 ATOMIC MASSES ^{96,98,99,100,101,102,104}Ru; measured absolute isotopic abundances by thermal-ionization mass spectrometry. ^{92,94,95,96,97,98,100}Mo, ^{138,139}La, ^{168,170,171,172,173,174,176}Yb, ^{180,181}Ta; compiled absolute isotopic abundances. JOUR PRVCA 77 045803
- ⁹⁷Rh 2007HEZV ATOMIC MASSES ^{143,147}Tb, ^{143,144,145,146,147,148}Dy, ^{144,145,146,147,148}Ho, ^{146,147,148}Er, ^{147,148}Tm, ¹¹³Xe, ^{111,112,113}I, ^{109,110,111,112}Te, ^{107,109,111}Sb, ^{105,106}Sn, ^{102,103,104,105}In, ^{101,102,103,104}Cd, ^{99,101,103}Ag, ^{89,90,91,92,93,94}Tc, ^{90,91,92,94,96}Ru, ^{92,93,95,96,97,98}Rh; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth

A=98

- ⁹⁸Nb 2008SI09 NUCLEAR REACTIONS ¹⁶⁹Tm(¹⁶O, X), E=5.9 MeV / nucleon; measured E γ , I γ . ¹⁰⁷In; ⁶⁶Ge; ⁸⁸Nb; ⁹⁵Y; ⁸³Se; ^{99m}Tc; ¹⁰⁹Sn; ¹⁰¹Tc; ⁷⁹As; ¹⁰⁵In; ^{108m}Rh; ⁹⁵Ru; ⁹²Y; ^{98m}Nb; ⁸⁷Kr; ⁹²Sr; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549
- ⁹⁸Mo 2008DE16 ATOMIC MASSES ^{96,98,99,100,101,102,104}Ru; measured absolute isotopic abundances by thermal-ionization mass spectrometry. ^{92,94,95,96,97,98,100}Mo, ^{138,139}La, ^{168,170,171,172,173,174,176}Yb, ^{180,181}Ta; compiled absolute isotopic abundances. JOUR PRVCA 77 045803
- 2008WA07 NUCLEAR REACTIONS ^{92,94,96,98,100}Mo(γ , γ'), E not given; measured E γ , I γ , photoabsorption cross sections. JOUR JPGPE 35 014035
- ⁹⁸Ru 2008DE16 ATOMIC MASSES ^{96,98,99,100,101,102,104}Ru; measured absolute isotopic abundances by thermal-ionization mass spectrometry. ^{92,94,95,96,97,98,100}Mo, ^{138,139}La, ^{168,170,171,172,173,174,176}Yb, ^{180,181}Ta; compiled absolute isotopic abundances. JOUR PRVCA 77 045803
- ⁹⁸Rh 2007HEZV ATOMIC MASSES ^{143,147}Tb, ^{143,144,145,146,147,148}Dy, ^{144,145,146,147,148}Ho, ^{146,147,148}Er, ^{147,148}Tm, ¹¹³Xe, ^{111,112,113}I, ^{109,110,111,112}Te, ^{107,109,111}Sb, ^{105,106}Sn, ^{102,103,104,105}In, ^{101,102,103,104}Cd, ^{99,101,103}Ag, ^{89,90,91,92,93,94}Tc, ^{90,91,92,94,96}Ru, ^{92,93,95,96,97,98}Rh; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth

A=99

- ⁹⁹Tc 2008SI09 NUCLEAR REACTIONS ¹⁶⁹Tm(¹⁶O, X), E=5.9 MeV / nucleon; measured E γ , I γ . ¹⁰⁷In; ⁶⁶Ge; ⁸⁸Nb; ⁹⁵Y; ⁸³Se; ^{99m}Tc; ¹⁰⁹Sn; ¹⁰¹Tc; ⁷⁹As; ¹⁰⁵In; ^{108m}Rh; ⁹⁵Ru; ⁹²Y; ^{98m}Nb; ⁸⁷Kr; ⁹²Sr; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549

KEYNUMBERS AND KEYWORDS

A=99 (continued)

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|------------------|----------|--|
| ⁹⁹ Ru | 2008DE16 | ATOMIC MASSES ^{96,98,99,100,101,102,104} Ru; measured absolute isotopic abundances by thermal-ionization mass spectrometry. ^{92,94,95,96,97,98,100} Mo, ^{138,139} La, ^{168,170,171,172,173,174,176} Yb, ^{180,181} Ta; compiled absolute isotopic abundances. JOUR PRVCA 77 045803 |
| ⁹⁹ Ag | 2007HEZV | ATOMIC MASSES ^{143,147} Tb, ^{143,144,145,146,147,148} Dy, ^{144,145,146,147,148} Ho, ^{146,147,148} Er, ^{147,148} Tm, ¹¹³ Xe, ^{111,112,113} I, ^{109,110,111,112} Te, ^{107,109,111} Sb, ^{105,106} Sn, ^{102,103,104,105} In, ^{101,102,103,104} Cd, ^{99,101,103} Ag, ^{89,90,91,92,93,94} Tc, ^{90,91,92,94,96} Ru, ^{92,93,95,96,97,98} Rh; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth |

A=100

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|-------------------|----------|---|
| ¹⁰⁰ Mo | 2008DE16 | ATOMIC MASSES ^{96,98,99,100,101,102,104} Ru; measured absolute isotopic abundances by thermal-ionization mass spectrometry. ^{92,94,95,96,97,98,100} Mo, ^{138,139} La, ^{168,170,171,172,173,174,176} Yb, ^{180,181} Ta; compiled absolute isotopic abundances. JOUR PRVCA 77 045803 |
| | 2008RA09 | RADIOACTIVITY ⁷⁶ Ge, ¹⁰⁰ Mo($2\beta^-$); measured Q values using Penning trap. JOUR PYLBB 662 111 |
| | 2008WA07 | NUCLEAR REACTIONS ^{92,94,96,98,100} Mo(γ , γ'), E not given; measured E γ , I γ , photoabsorption cross sections. JOUR JPGPE 35 014035 |
| ¹⁰⁰ Ru | 2008DE16 | ATOMIC MASSES ^{96,98,99,100,101,102,104} Ru; measured absolute isotopic abundances by thermal-ionization mass spectrometry. ^{92,94,95,96,97,98,100} Mo, ^{138,139} La, ^{168,170,171,172,173,174,176} Yb, ^{180,181} Ta; compiled absolute isotopic abundances. JOUR PRVCA 77 045803 |
| | 2008RA09 | RADIOACTIVITY ⁷⁶ Ge, ¹⁰⁰ Mo($2\beta^-$); measured Q values using Penning trap. JOUR PYLBB 662 111 |
| ¹⁰⁰ Rh | 2008SK01 | NUCLEAR REACTIONS ¹⁰⁰ Ru(α , n), ¹⁰¹ Ru(α , 2n), ¹⁰¹ Ru(³ He, n), ¹⁰² Ru(³ He, 2n), ¹⁰¹ Ru(³ He, X) ¹⁰¹ Rh, ¹⁰² Ru(³ He, X) ¹⁰¹ Rh, ¹⁰¹ Ru(³ He, X) ¹⁰² Rh, ¹⁰² Ru(³ He, X) ¹⁰² Rh, ¹⁰¹ Ru(³ He, X) ^{101g} Rh, ¹⁰² Ru(³ He, X) ^{101g} Rh, ¹⁰¹ Ru(³ He, 3n), ¹⁰² Ru(³ He, 4n), ¹⁰¹ Ru(³ He, 4n), ¹⁰¹ Ru(³ He, X) ¹⁰⁰ Rh, E<34 MeV; measured E γ , I γ , x-ray spectra, excitation functions, σ . X-ray and γ -ray spectrometry, enriched targets, comparison with calculations. JOUR ARISE 66 653 |
| ¹⁰⁰ Pd | 2008SK01 | NUCLEAR REACTIONS ¹⁰⁰ Ru(α , n), ¹⁰¹ Ru(α , 2n), ¹⁰¹ Ru(³ He, n), ¹⁰² Ru(³ He, 2n), ¹⁰¹ Ru(³ He, X) ¹⁰¹ Rh, ¹⁰² Ru(³ He, X) ¹⁰¹ Rh, ¹⁰¹ Ru(³ He, X) ¹⁰² Rh, ¹⁰² Ru(³ He, X) ¹⁰² Rh, ¹⁰¹ Ru(³ He, X) ^{101g} Rh, ¹⁰² Ru(³ He, X) ^{101g} Rh, ¹⁰¹ Ru(³ He, 3n), ¹⁰² Ru(³ He, 4n), ¹⁰¹ Ru(³ He, 4n), ¹⁰¹ Ru(³ He, X) ¹⁰⁰ Rh, E<34 MeV; measured E γ , I γ , x-ray spectra, excitation functions, σ . X-ray and γ -ray spectrometry, enriched targets, comparison with calculations. JOUR ARISE 66 653 |
| ¹⁰⁰ Cd | 2007SEZR | RADIOACTIVITY ¹⁰¹ Sn(β^+p) [from ⁴⁶ Ti(⁵⁸ Ni, 3n), E=192 MeV]; ¹⁴⁵ Tm(p); measured E π , I π , p γ -coin. CONF Lisbon (PROCON 2007),Proc.P149,Seweryniak |

A=101

^{101}Tc	2008SI09	NUCLEAR REACTIONS $^{169}\text{Tm}(^{16}\text{O}, \text{X})$, $E=5.9$ MeV / nucleon; measured $E\gamma$, $I\gamma$. ^{107}In ; ^{66}Ge ; ^{88}Nb ; ^{95}Y ; ^{83}Se ; ^{99m}Tc ; ^{109}Sn ; ^{101}Tc ; ^{79}As ; ^{105}In ; ^{108m}Rh ; ^{95}Ru ; ^{92}Y ; ^{98m}Nb ; ^{87}Kr ; ^{92}Sr ; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549
^{101}Ru	2008DE16	ATOMIC MASSES $^{96,98,99,100,101,102,104}\text{Ru}$; measured absolute isotopic abundances by thermal-ionization mass spectrometry. $^{92,94,95,96,97,98,100}\text{Mo}$, $^{138,139}\text{La}$, $^{168,170,171,172,173,174,176}\text{Yb}$, $^{180,181}\text{Ta}$; compiled absolute isotopic abundances. JOUR PRVCA 77 045803
^{101}Rh	2008SK01	NUCLEAR REACTIONS $^{100}\text{Ru}(\alpha, \text{n})$, $^{101}\text{Ru}(\alpha, 2\text{n})$, $^{101}\text{Ru}(^3\text{He}, \text{n})$, $^{102}\text{Ru}(^3\text{He}, 2\text{n})$, $^{101}\text{Ru}(^3\text{He}, \text{X})$ ^{101}Rh , $^{102}\text{Ru}(^3\text{He}, \text{X})$ ^{101}Rh , $^{101}\text{Ru}(^3\text{He}, \text{X})$ ^{102}Rh , $^{102}\text{Ru}(^3\text{He}, \text{X})$ ^{102}Rh , $^{101}\text{Ru}(^3\text{He}, \text{X})$ ^{101g}Rh , $^{102}\text{Ru}(^3\text{He}, \text{X})$ ^{101g}Rh , $^{101}\text{Ru}(^3\text{He}, 3\text{n})$, $^{102}\text{Ru}(^3\text{He}, 4\text{n})$, $^{101}\text{Ru}(^3\text{He}, 4\text{n})$, $^{101}\text{Ru}(^3\text{He}, \text{X})$ ^{100}Rh , $E<34$ MeV; measured $E\gamma$, $I\gamma$, x-ray spectra, excitation functions, σ . X-ray and γ -ray spectrometry, enriched targets, comparison with calculations. JOUR ARISE 66 653
^{101}Pd	2008SK01	NUCLEAR REACTIONS $^{100}\text{Ru}(\alpha, \text{n})$, $^{101}\text{Ru}(\alpha, 2\text{n})$, $^{101}\text{Ru}(^3\text{He}, \text{n})$, $^{102}\text{Ru}(^3\text{He}, 2\text{n})$, $^{101}\text{Ru}(^3\text{He}, \text{X})$ ^{101}Rh , $^{102}\text{Ru}(^3\text{He}, \text{X})$ ^{101}Rh , $^{101}\text{Ru}(^3\text{He}, \text{X})$ ^{102}Rh , $^{102}\text{Ru}(^3\text{He}, \text{X})$ ^{102}Rh , $^{101}\text{Ru}(^3\text{He}, \text{X})$ ^{101g}Rh , $^{102}\text{Ru}(^3\text{He}, \text{X})$ ^{101g}Rh , $^{101}\text{Ru}(^3\text{He}, 3\text{n})$, $^{102}\text{Ru}(^3\text{He}, 4\text{n})$, $^{101}\text{Ru}(^3\text{He}, 4\text{n})$, $^{101}\text{Ru}(^3\text{He}, \text{X})$ ^{100}Rh , $E<34$ MeV; measured $E\gamma$, $I\gamma$, x-ray spectra, excitation functions, σ . X-ray and γ -ray spectrometry, enriched targets, comparison with calculations. JOUR ARISE 66 653
^{101}Ag	2007HEZV	ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007), Proc.P319, Herfurth
^{101}Cd	2007HEZV	ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007), Proc.P319, Herfurth
^{101}Sn	2007LIZP	RADIOACTIVITY ^{109}Xe , $^{105}\text{Te}(\alpha)$ [^{109}Xe from $^{54}\text{Fe}(^{58}\text{Ni}, 3\text{n})$, $E=220\text{-}225$ MeV]; measured $E\alpha$, $I\alpha$. ^{109}Xe ; deduced $T_{1/2}$. ^{105}Te ; deduced $T_{1/2}$, branching ratios to gs and excited states. CONF Lisbon (PROCON 2007), Proc.P123, Liddick
	2007SEZR	RADIOACTIVITY $^{101}\text{Sn}(\beta^+\text{p})$ [from $^{46}\text{Ti}(^{58}\text{Ni}, 3\text{n})$, $E=192$ MeV]; $^{145}\text{Tm}(\text{p})$; measured $E\pi$, $I\pi$, $\text{p}\gamma$ -coin. CONF Lisbon (PROCON 2007), Proc.P149, Seweryniak

KEYNUMBERS AND KEYWORDS

A=102

¹⁰² Ru	2008DE16	ATOMIC MASSES ^{96,98,99,100,101,102,104} Ru; measured absolute isotopic abundances by thermal-ionization mass spectrometry. ^{92,94,95,96,97,98,100} Mo, ^{138,139} La, ^{168,170,171,172,173,174,176} Yb, ^{180,181} Ta; compiled absolute isotopic abundances. JOUR PRVCA 77 045803
¹⁰² Rh	2008SK01	NUCLEAR REACTIONS ¹⁰⁰ Ru(α , n), ¹⁰¹ Ru(α , 2n), ¹⁰¹ Ru(³ He, n), ¹⁰² Ru(³ He, 2n), ¹⁰¹ Ru(³ He, X) ¹⁰¹ Rh, ¹⁰² Ru(³ He, X) ¹⁰¹ Rh, ¹⁰¹ Ru(³ He, X) ¹⁰² Rh, ¹⁰² Ru(³ He, X) ¹⁰² Rh, ¹⁰¹ Ru(³ He, X) ^{101g} Rh, ¹⁰² Ru(³ He, X) ^{101g} Rh, ¹⁰¹ Ru(³ He, 3n), ¹⁰² Ru(³ He, 4n), ¹⁰¹ Ru(³ He, 4n), ¹⁰¹ Ru(³ He, X) ¹⁰⁰ Rh, E<34 MeV; measured E γ , I γ , x-ray spectra, excitation functions, σ . X-ray and γ -ray spectrometry, enriched targets, comparison with calculations. JOUR ARISE 66 653
¹⁰² Ag	2008SI09	NUCLEAR REACTIONS ¹⁵⁹ Tb(¹⁶ O, X), E=5.6 MeV / nucleon; measured E γ , I γ . ⁷⁷ Kr, ^{84m} Y, ⁸⁰ Sr, ⁷⁵ Br, ¹⁰⁴ Tc, ⁸³ Y, ⁸⁵ Y, ^{87m} Y, ⁸¹ Sr, ⁸³ Sr, ^{85m} Sr, ^{74m} Br, ⁸³ Kr, ⁸⁸ Kr, ⁹⁴ Ru, ¹⁰² Ag, ⁹⁵ Ru, ⁷⁹ Rb, ⁸⁷ Zr, ¹¹⁰ In, ⁷⁸ As, ¹¹² Ag; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549
¹⁰² Cd	2007HEZV	ATOMIC MASSES ^{143,147} Tb, ^{143,144,145,146,147,148} Dy, ^{144,145,146,147,148} Ho, ^{146,147,148} Er, ^{147,148} Tm, ¹¹³ Xe, ^{111,112,113} I, ^{109,110,111,112} Te, ^{107,109,111} Sb, ^{105,106} Sn, ^{102,103,104,105} In, ^{101,102,103,104} Cd, ^{99,101,103} Ag, ^{89,90,91,92,93,94} Tc, ^{90,91,92,94,96} Ru, ^{92,93,95,96,97,98} Rh; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth
¹⁰² In	2007HEZV	ATOMIC MASSES ^{143,147} Tb, ^{143,144,145,146,147,148} Dy, ^{144,145,146,147,148} Ho, ^{146,147,148} Er, ^{147,148} Tm, ¹¹³ Xe, ^{111,112,113} I, ^{109,110,111,112} Te, ^{107,109,111} Sb, ^{105,106} Sn, ^{102,103,104,105} In, ^{101,102,103,104} Cd, ^{99,101,103} Ag, ^{89,90,91,92,93,94} Tc, ^{90,91,92,94,96} Ru, ^{92,93,95,96,97,98} Rh; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth

A=103

¹⁰³ Pd	2008KR05	NUCLEAR REACTIONS ^{102,104,105,106,108,110} Pd(n, γ), E=thermal; measured neutron capture σ , E γ , I γ , $\gamma\gamma$ -coin, γ widths, multiplicities. ^{103,105,106,107,109,111} Pd; deduced levels, J, π . JOUR PRVCA 77 054615
	2008SK01	NUCLEAR REACTIONS ¹⁰⁰ Ru(α , n), ¹⁰¹ Ru(α , 2n), ¹⁰¹ Ru(³ He, n), ¹⁰² Ru(³ He, 2n), ¹⁰¹ Ru(³ He, X) ¹⁰¹ Rh, ¹⁰² Ru(³ He, X) ¹⁰¹ Rh, ¹⁰¹ Ru(³ He, X) ¹⁰² Rh, ¹⁰² Ru(³ He, X) ¹⁰² Rh, ¹⁰¹ Ru(³ He, X) ^{101g} Rh, ¹⁰² Ru(³ He, X) ^{101g} Rh, ¹⁰¹ Ru(³ He, 3n), ¹⁰² Ru(³ He, 4n), ¹⁰¹ Ru(³ He, 4n), ¹⁰¹ Ru(³ He, X) ¹⁰⁰ Rh, E<34 MeV; measured E γ , I γ , x-ray spectra, excitation functions, σ . X-ray and γ -ray spectrometry, enriched targets, comparison with calculations. JOUR ARISE 66 653
¹⁰³ Ag	2007HEZV	ATOMIC MASSES ^{143,147} Tb, ^{143,144,145,146,147,148} Dy, ^{144,145,146,147,148} Ho, ^{146,147,148} Er, ^{147,148} Tm, ¹¹³ Xe, ^{111,112,113} I, ^{109,110,111,112} Te, ^{107,109,111} Sb, ^{105,106} Sn, ^{102,103,104,105} In, ^{101,102,103,104} Cd, ^{99,101,103} Ag, ^{89,90,91,92,93,94} Tc, ^{90,91,92,94,96} Ru, ^{92,93,95,96,97,98} Rh; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth

KEYNUMBERS AND KEYWORDS

A=103 (continued)

^{103}Cd	2007HEZV	ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth
^{103}In	2007HEZV	ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth

A=104

^{104}Tc	2008SI09	NUCLEAR REACTIONS $^{159}\text{Tb}(^{16}\text{O}, \text{X})$, $E=5.6$ MeV / nucleon; measured $E\gamma$, $I\gamma$. ^{77}Kr , ^{84m}Y , ^{80}Sr , ^{75}Br , ^{104}Tc , ^{83}Y , ^{85}Y , ^{87m}Y , ^{81}Sr , ^{83}Sr , ^{85m}Sr , ^{74m}Br , ^{83}Kr , ^{88}Kr , ^{94}Ru , ^{102}Ag , ^{95}Ru , ^{79}Rb , ^{87}Zr , ^{110}In , ^{78}As , ^{112}Ag ; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549
	2008SI09	NUCLEAR REACTIONS $^{169}\text{Tm}(^{16}\text{O}, \text{X})$, $E=5.9$ MeV / nucleon; measured $E\gamma$, $I\gamma$. ^{107}In ; ^{66}Ge ; ^{88}Nb ; ^{95}Y ; ^{83}Se ; ^{99m}Tc ; ^{109}Sn ; ^{101}Tc ; ^{79}As ; ^{105}In ; ^{108m}Rh ; ^{95}Ru ; ^{92}Y ; ^{98m}Nb ; ^{87}Kr ; ^{92}Sr ; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549
^{104}Ru	2008DE16	ATOMIC MASSES $^{96,98,99,100,101,102,104}\text{Ru}$; measured absolute isotopic abundances by thermal-ionization mass spectrometry. $^{92,94,95,96,97,98,100}\text{Mo}$, $^{138,139}\text{La}$, $^{168,170,171,172,173,174,176}\text{Yb}$, $^{180,181}\text{Ta}$; compiled absolute isotopic abundances. JOUR PRVCA 77 045803
^{104}Cd	2007HEZV	ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth
^{104}In	2007HEZV	ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth

KEYNUMBERS AND KEYWORDS

A=105

^{105}Tc	2008SI09	NUCLEAR REACTIONS $^{169}\text{Tm}(^{16}\text{O}, \text{X})$, E=5.9 MeV / nucleon; measured $E\gamma$, $I\gamma$. ^{107}In ; ^{66}Ge ; ^{88}Nb ; ^{95}Y ; ^{83}Se ; ^{99m}Tc ; ^{109}Sn ; ^{101}Tc ; ^{79}As ; ^{105}In ; ^{108m}Rh ; ^{95}Ru ; ^{92}Y ; ^{98m}Nb ; ^{87}Kr ; ^{92}Sr ; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549
^{105}Pd	2008KR05	NUCLEAR REACTIONS $^{102,104,105,106,108,110}\text{Pd}(n, \gamma)$, E=thermal; measured neutron capture σ , $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, γ widths, multiplicities. 103,105,106,107,109,111Pd; deduced levels, J, π . JOUR PRVCA 77 054615
^{105}In	2007HEZV	ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth
	2008SI09	NUCLEAR REACTIONS $^{169}\text{Tm}(^{16}\text{O}, \text{X})$, E=5.9 MeV / nucleon; measured $E\gamma$, $I\gamma$. ^{107}In ; ^{66}Ge ; ^{88}Nb ; ^{95}Y ; ^{83}Se ; ^{99m}Tc ; ^{109}Sn ; ^{101}Tc ; ^{79}As ; ^{105}In ; ^{108m}Rh ; ^{95}Ru ; ^{92}Y ; ^{98m}Nb ; ^{87}Kr ; ^{92}Sr ; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549
^{105}Sn	2007HEZV	ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth
^{105}Sb	2007MAZB	RADIOACTIVITY $^{109}\text{I}(p)$, (α) [from $^{58}\text{Ni}(^{54}\text{Fe}, p2n)$, E=207 MeV]; measured $E\alpha$, $I\alpha$. ^{109}I ; deduced branching ratio, $T_{1/2}$; ^{105}Sb deduced Qp. CONF Lisbon (PROCON 2007),Proc.P128,Mazzocchi
^{105}Te	2007LIZP	RADIOACTIVITY ^{109}Xe , $^{105}\text{Te}(\alpha)$ [^{109}Xe from $^{54}\text{Fe}(^{58}\text{Ni}, 3n)$, E=220-225 MeV]; measured $E\alpha$, $I\alpha$. ^{109}Xe ; deduced $T_{1/2}$. ^{105}Te ; deduced $T_{1/2}$, branching ratios to gs and excited states. CONF Lisbon (PROCON 2007),Proc.P123,Liddick

A=106

^{106}Pd	2007BEZR	RADIOACTIVITY $^{106}\text{Cd}(2\text{EC})$; measured X-ray energies and intensities. ^{106}Cd ; deduced 2ν -accompanied two EC-decay $T_{1/2}$. CONF Prague (MEDEX'07),Proc.P19,Benes
	2008KR05	NUCLEAR REACTIONS $^{102,104,105,106,108,110}\text{Pd}(n, \gamma)$, E=thermal; measured neutron capture σ , $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, γ widths, multiplicities. 103,105,106,107,109,111Pd; deduced levels, J, π . JOUR PRVCA 77 054615
^{106}Cd	2007BEZR	RADIOACTIVITY $^{106}\text{Cd}(2\text{EC})$; measured X-ray energies and intensities. ^{106}Cd ; deduced 2ν -accompanied two EC-decay $T_{1/2}$. CONF Prague (MEDEX'07),Proc.P19,Benes

KEYNUMBERS AND KEYWORDS

A=106 (continued)

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| 2007ZIZX | | NUCLEAR REACTIONS ^{48}Ti , Se , ^{76}Se , Kr , ^{82}Kr , Cd , ^{106}Cd , Sm , $^{150}\text{Sm}(\mu, \nu)$, E not given; measured $E\gamma$, $I\gamma$, X-ray energies and intensities; deduced total and partial μ capture rates, yields of radioactive daughter nuclei. CONF Prague (MEDEX'07),Proc.P91,Zinatulina |
| ^{106}Sn | 2007HEZV | ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth |

A=107

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| ^{107}Pd | 2008KR05 | NUCLEAR REACTIONS $^{102,104,105,106,108,110}\text{Pd}(n, \gamma)$, E=thermal; measured neutron capture σ , $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, γ widths, multiplicities. $^{103,105,106,107,109,111}\text{Pd}$; deduced levels, J, π . JOUR PRVCA 77 054615 |
| ^{107}In | 2008SI09 | NUCLEAR REACTIONS $^{169}\text{Tm}(^{16}\text{O}, \text{X})$, E=5.9 MeV / nucleon; measured $E\gamma$, $I\gamma$. ^{107}In ; ^{66}Ge ; ^{88}Nb ; ^{95}Y ; ^{83}Se ; ^{99m}Tc ; ^{109}Sn ; ^{101}Tc ; ^{79}As ; ^{105}In ; ^{108m}Rh ; ^{95}Ru ; ^{92}Y ; ^{98m}Nb ; ^{87}Kr ; ^{92}Sr ; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549 |
| ^{107}Sb | 2007HEZV | ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth |

A=108

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| ^{108}Rh | 2008SI09 | NUCLEAR REACTIONS $^{169}\text{Tm}(^{16}\text{O}, \text{X})$, E=5.9 MeV / nucleon; measured $E\gamma$, $I\gamma$. ^{107}In ; ^{66}Ge ; ^{88}Nb ; ^{95}Y ; ^{83}Se ; ^{99m}Tc ; ^{109}Sn ; ^{101}Tc ; ^{79}As ; ^{105}In ; ^{108m}Rh ; ^{95}Ru ; ^{92}Y ; ^{98m}Nb ; ^{87}Kr ; ^{92}Sr ; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549 |
| ^{108}In | 2008SI09 | NUCLEAR REACTIONS $^{169}\text{Tm}(^{16}\text{O}, \text{X})$, E=5.9 MeV / nucleon; measured $E\gamma$, $I\gamma$. ^{107}In ; ^{66}Ge ; ^{88}Nb ; ^{95}Y ; ^{83}Se ; ^{99m}Tc ; ^{109}Sn ; ^{101}Tc ; ^{79}As ; ^{105}In ; ^{108m}Rh ; ^{95}Ru ; ^{92}Y ; ^{98m}Nb ; ^{87}Kr ; ^{92}Sr ; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549 |
| ^{108}Te | 2007MAZB | RADIOACTIVITY $^{109}\text{I}(p)$, (α) [from $^{58}\text{Ni}(^{54}\text{Fe}, p2n)$, E=207 MeV]; measured $E\alpha$, $I\alpha$. ^{109}I ; deduced branching ratio, $T_{1/2}$; ^{105}Sb deduced Qp. CONF Lisbon (PROCON 2007),Proc.P128,Mazzocchi |

KEYNUMBERS AND KEYWORDS

A=108 (continued)

	2008K004	NUCLEAR REACTIONS $^{54}\text{Fe}(^{58}\text{Ni}, 2n)$, ($^{58}\text{Ni}, 3n$), ($^{58}\text{Ni}, 4n$), ($^{58}\text{Ni}, np$), ($^{58}\text{Ni}, 2np$), ($^{58}\text{Ni}, 3np$), ($^{58}\text{Ni}, n2p$), ($^{58}\text{Ni}, 2n2p$), E=195-265 MeV; measured σ , reaction yields. Deduced optimum energy for the production of ^{108}Xe . JOUR PRVCA 77 034301
^{108}I	2008K004	NUCLEAR REACTIONS $^{54}\text{Fe}(^{58}\text{Ni}, 2n)$, ($^{58}\text{Ni}, 3n$), ($^{58}\text{Ni}, 4n$), ($^{58}\text{Ni}, np$), ($^{58}\text{Ni}, 2np$), ($^{58}\text{Ni}, 3np$), ($^{58}\text{Ni}, n2p$), ($^{58}\text{Ni}, 2n2p$), E=195-265 MeV; measured σ , reaction yields. Deduced optimum energy for the production of ^{108}Xe . JOUR PRVCA 77 034301
^{108}Xe	2008K004	NUCLEAR REACTIONS $^{54}\text{Fe}(^{58}\text{Ni}, 2n)$, ($^{58}\text{Ni}, 3n$), ($^{58}\text{Ni}, 4n$), ($^{58}\text{Ni}, np$), ($^{58}\text{Ni}, 2np$), ($^{58}\text{Ni}, 3np$), ($^{58}\text{Ni}, n2p$), ($^{58}\text{Ni}, 2n2p$), E=195-265 MeV; measured σ , reaction yields. Deduced optimum energy for the production of ^{108}Xe . JOUR PRVCA 77 034301

A=109

^{109}Ru	2008DI11	RADIOACTIVITY $^{252}\text{Cf}(\text{SF})$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{109}Ru ; deduced levels, J, π , band configurations. Total Routhian surface calculations. JOUR PRVCA 77 057302
^{109}Pd	2008KR05	NUCLEAR REACTIONS $^{102,104,105,106,108,110}\text{Pd}(n, \gamma)$, E=thermal; measured neutron capture σ , $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, γ widths, multiplicities. $^{103,105,106,107,109,111}\text{Pd}$; deduced levels, J, π . JOUR PRVCA 77 054615
^{109}Sn	2008SI09	NUCLEAR REACTIONS $^{169}\text{Tm}(^{16}\text{O}, X)$, E=5.9 MeV / nucleon; measured $E\gamma$, $I\gamma$. ^{107}In ; ^{66}Ge ; ^{88}Nb ; ^{95}Y ; ^{83}Se ; ^{99m}Tc ; ^{109}Sn ; ^{101}Tc ; ^{79}As ; ^{105}In ; ^{108m}Rh ; ^{95}Ru ; ^{92}Y ; ^{98m}Nb ; ^{87}Kr ; ^{92}Sr ; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549
^{109}Sb	2007HEZV	ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007), Proc.P319, Herfurth
^{109}Te	2007HEZV	ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007), Proc.P319, Herfurth
	2007K0Z0	NUCLEAR REACTIONS $^{58}\text{Ni}(^{54}\text{Fe}, xnyp)$, E=195-265 MeV; measured excitation function. Deduced σ for (pn), (2n) channels. ^{109}Te , ^{109}I , ^{109}Xe ; deduced σ , Sp, Sn, $S\alpha$. CONF Lisbon (PROCON 2007), Proc.P163, Korgul
	2008K004	NUCLEAR REACTIONS $^{54}\text{Fe}(^{58}\text{Ni}, 2n)$, ($^{58}\text{Ni}, 3n$), ($^{58}\text{Ni}, 4n$), ($^{58}\text{Ni}, np$), ($^{58}\text{Ni}, 2np$), ($^{58}\text{Ni}, 3np$), ($^{58}\text{Ni}, n2p$), ($^{58}\text{Ni}, 2n2p$), E=195-265 MeV; measured σ , reaction yields. Deduced optimum energy for the production of ^{108}Xe . JOUR PRVCA 77 034301

KEYNUMBERS AND KEYWORDS

A=109 (continued)

^{109}I	2007CEZX	NUCLEAR REACTIONS $^{58}\text{Ni}(^{54}\text{Fe}, 2n)$, $^{58}\text{Ni}(^{54}\text{Fe}, 2np)$, E=195 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$, (recoil) $\gamma(t)$ coin. ^{110}Xe ; deduced levels. ^{109}I ; deduced $T_{1/2}$, levels, band structure. CONF Lisbon (PROCON 2007),Proc.P156,Cederwall
	2007KOZO	NUCLEAR REACTIONS $^{58}\text{Ni}(^{54}\text{Fe}, xnyp)$, E=195-265 MeV; measured excitation function. Deduced σ for (pn), (2n) channels. ^{109}Te , ^{109}I , ^{109}Xe ; deduced σ , Sp, Sn, $S\alpha$. CONF Lisbon (PROCON 2007),Proc.P163,Korgul
	2007MAZB	RADIOACTIVITY $^{109}\text{I}(p)$, (α) [from $^{58}\text{Ni}(^{54}\text{Fe}, p2n)$, E=207 MeV]; measured $E\alpha$, $I\alpha$. ^{109}I ; deduced branching ratio, $T_{1/2}$; ^{105}Sb deduced Qp. CONF Lisbon (PROCON 2007),Proc.P128,Mazzocchi
	2008K004	NUCLEAR REACTIONS $^{54}\text{Fe}(^{58}\text{Ni}, 2n)$, ($^{58}\text{Ni}, 3n$), ($^{58}\text{Ni}, 4n$), ($^{58}\text{Ni}, np$), ($^{58}\text{Ni}, 2np$), ($^{58}\text{Ni}, 3np$), ($^{58}\text{Ni}, n2p$), ($^{58}\text{Ni}, 2n2p$), E=195-265 MeV; measured σ , reaction yields. Deduced optimum energy for the production of ^{108}Xe . JOUR PRVCA 77 034301
^{109}Xe	2007KOZO	NUCLEAR REACTIONS $^{58}\text{Ni}(^{54}\text{Fe}, xnyp)$, E=195-265 MeV; measured excitation function. Deduced σ for (pn), (2n) channels. ^{109}Te , ^{109}I , ^{109}Xe ; deduced σ , Sp, Sn, $S\alpha$. CONF Lisbon (PROCON 2007),Proc.P163,Korgul
	2007LIZP	RADIOACTIVITY ^{109}Xe , $^{105}\text{Te}(\alpha)$ [^{109}Xe from $^{54}\text{Fe}(^{58}\text{Ni}, 3n)$, E=220-225 MeV]; measured $E\alpha$, $I\alpha$. ^{109}Xe ; deduced $T_{1/2}$. ^{105}Te ; deduced $T_{1/2}$, branching ratios to gs and excited states. CONF Lisbon (PROCON 2007),Proc.P123,Liddick
	2008K004	NUCLEAR REACTIONS $^{54}\text{Fe}(^{58}\text{Ni}, 2n)$, ($^{58}\text{Ni}, 3n$), ($^{58}\text{Ni}, 4n$), ($^{58}\text{Ni}, np$), ($^{58}\text{Ni}, 2np$), ($^{58}\text{Ni}, 3np$), ($^{58}\text{Ni}, n2p$), ($^{58}\text{Ni}, 2n2p$), E=195-265 MeV; measured σ , reaction yields. Deduced optimum energy for the production of ^{108}Xe . JOUR PRVCA 77 034301

A=110

^{110}In	2008SI09	NUCLEAR REACTIONS $^{159}\text{Tb}(^{16}\text{O}, X)$, E=5.6 MeV / nucleon; measured $E\gamma$, $I\gamma$. ^{77}Kr , ^{84m}Y , ^{80}Sr , ^{75}Br , ^{104}Tc , ^{83}Y , ^{85}Y , ^{87m}Y , ^{81}Sr , ^{83}Sr , ^{85m}Sr , ^{74m}Br , ^{83}Kr , ^{88}Kr , ^{94}Ru , ^{102}Ag , ^{95}Ru , ^{79}Rb , ^{87}Zr , ^{110}In , ^{78}As , ^{112}Ag ; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549
	2008SI09	NUCLEAR REACTIONS $^{169}\text{Tm}(^{16}\text{O}, X)$, E=5.9 MeV / nucleon; measured $E\gamma$, $I\gamma$. ^{107}In ; ^{66}Ge ; ^{88}Nb ; ^{95}Y ; ^{83}Se ; ^{99m}Tc ; ^{109}Sn ; ^{101}Tc ; ^{79}As ; ^{105}In ; ^{108m}Rh ; ^{95}Ru ; ^{92}Y ; ^{98m}Nb ; ^{87}Kr ; ^{92}Sr ; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549
^{110}Te	2007HEZV	ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth

KEYNUMBERS AND KEYWORDS

A=110 (continued)

^{110}I	2008K004	NUCLEAR REACTIONS $^{54}\text{Fe}(^{58}\text{Ni}, 2n)$, $(^{58}\text{Ni}, 3n)$, $(^{58}\text{Ni}, 4n)$, $(^{58}\text{Ni}, np)$, $(^{58}\text{Ni}, 2np)$, $(^{58}\text{Ni}, 3np)$, $(^{58}\text{Ni}, n2p)$, $(^{58}\text{Ni}, 2n2p)$, E=195-265 MeV; measured σ , reaction yields. Deduced optimum energy for the production of ^{108}Xe . JOUR PRVCA 77 034301
^{110}Xe	2007CEZX	NUCLEAR REACTIONS $^{58}\text{Ni}(^{54}\text{Fe}, 2n)$, $^{58}\text{Ni}(^{54}\text{Fe}, 2np)$, E=195 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$, (recoil) $\gamma(t)$ coin. ^{110}Xe ; deduced levels. ^{109}I ; deduced $T_{1/2}$, levels, band structure. CONF Lisbon (PROCON 2007),Proc.P156,Cederwall
	2008K004	NUCLEAR REACTIONS $^{54}\text{Fe}(^{58}\text{Ni}, 2n)$, $(^{58}\text{Ni}, 3n)$, $(^{58}\text{Ni}, 4n)$, $(^{58}\text{Ni}, np)$, $(^{58}\text{Ni}, 2np)$, $(^{58}\text{Ni}, 3np)$, $(^{58}\text{Ni}, n2p)$, $(^{58}\text{Ni}, 2n2p)$, E=195-265 MeV; measured σ , reaction yields. Deduced optimum energy for the production of ^{108}Xe . JOUR PRVCA 77 034301

A=111

^{111}Pd	2008KR05	NUCLEAR REACTIONS $^{102,104,105,106,108,110}\text{Pd}(n, \gamma)$, E=thermal; measured neutron capture σ , $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, γ widths, multiplicities. $^{103,105,106,107,109,111}\text{Pd}$; deduced levels, J, π . JOUR PRVCA 77 054615
^{111}Sb	2007HEZV	ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth
^{111}Te	2007HEZV	ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth
^{111}I	2007HEZV	ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth

A=112

^{112}Ag	2008SI09	NUCLEAR REACTIONS $^{159}\text{Tb}(^{16}\text{O}, X)$, E=5.6 MeV / nucleon; measured $E\gamma$, $I\gamma$. ^{77}Kr , ^{84m}Y , ^{80}Sr , ^{75}Br , ^{104}Tc , ^{83}Y , ^{85}Y , ^{87m}Y , ^{81}Sr , ^{83}Sr , ^{85m}Sr , ^{74m}Br , ^{83}Kr , ^{88}Kr , ^{94}Ru , ^{102}Ag , ^{95}Ru , ^{79}Rb , ^{87}Zr , ^{110}In , ^{78}As , ^{112}Ag ; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549
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KEYNUMBERS AND KEYWORDS

A=112 (continued)

2008SI09	NUCLEAR REACTIONS $^{169}\text{Tm}(^{16}\text{O}, \text{X})$, $E=5.9$ MeV / nucleon; measured $E\gamma$, $I\gamma$. ^{107}In ; ^{66}Ge ; ^{88}Nb ; ^{95}Y ; ^{83}Se ; ^{99m}Tc ; ^{109}Sn ; ^{101}Tc ; ^{79}As ; ^{105}In ; ^{108m}Rh ; ^{95}Ru ; ^{92}Y ; ^{98m}Nb ; ^{87}Kr ; ^{92}Sr ; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549
^{112}Te	2007HEZV ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth
^{112}I	2007HEZV ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth

A=113

^{113}I	2007HEZV ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth
^{113}Xe	2007HEZV ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth

A=114

No references found

A=115

^{115}Ag	2008SI09 NUCLEAR REACTIONS $^{169}\text{Tm}(^{16}\text{O}, \text{X})$, $E=5.9$ MeV / nucleon; measured $E\gamma$, $I\gamma$. ^{107}In ; ^{66}Ge ; ^{88}Nb ; ^{95}Y ; ^{83}Se ; ^{99m}Tc ; ^{109}Sn ; ^{101}Tc ; ^{79}As ; ^{105}In ; ^{108m}Rh ; ^{95}Ru ; ^{92}Y ; ^{98m}Nb ; ^{87}Kr ; ^{92}Sr ; deduced σ of fission like events after complete and / or incomplete fusion. Recoil-catcher technique, γ -spectroscopy. JOUR IMPEE 17 549
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KEYNUMBERS AND KEYWORDS

A=116

- ¹¹⁶In 2008V004 NUCLEAR REACTIONS ^{180,182}Hf(n, γ), E=thermal; measured E γ , I γ , σ , reaction rates. ^{94,96}Zr(n, γ), E=thermal; measured reaction rates. ²³Na, ³⁷Cl, ⁵⁵Mn, ¹¹⁵In, ¹⁷⁹Hf, ¹⁸²Ta(n, γ), E=thermal; measured E γ . JOUR PRVCA 77 044608
- ¹¹⁶Xe 2007LIZR RADIOACTIVITY ¹¹⁷Ba(β^+ p) [from Ni(⁷⁰Ge, X)]; measured β -delayed proton spectra, E γ , I γ , $\gamma\gamma$ -coin, T_{1/2}. ¹¹⁷Ba; deduced levels, J. π . CONF Lisbon (PROCON 2007),Proc.P34,Liu
- ¹¹⁶Ba 2007LIZR RADIOACTIVITY ¹¹⁷La(p) [from ⁶⁴Zn(⁵⁸Ni, xpyn), E=305 MeV]; measured Ep, Ip, T_{1/2}, p γ -, $\gamma\gamma$ -coin; ¹¹⁷La; deduced T_{1/2}, γ feeding to proton unbound level. CONF Lisbon (PROCON 2007),Proc.P34,Liu

A=117

- ¹¹⁷Ru 2006TOZW RADIOACTIVITY ¹¹⁷Ru, ¹²⁰Rh, ¹²¹Pd, ^{123,124,125}Ag, ^{125,126,127}Cd, ^{126,127,129}In, ¹²⁹Sn(IT); measured E γ , I γ , (fragment) γ , $\gamma\gamma$ -coin, isomeric half-lives; deduced levels, J, π . THESIS B E Tomlin, Michigan State Univ.
- ¹¹⁷Sb 2008J003 NUCLEAR REACTIONS ²⁷Al(¹⁷⁸Hf, X)¹²¹Sb / ¹²³Sb, E=1150 MeV; measured E γ , I γ , half-lives of isomers, internal conversion coefficients; deduced multipolarities, mixing ratios, $\gamma\gamma(\theta)$. ^{121,123}Sb; deduced levels, J, π . ^{120,122}Sn, ^{117,119,125,126,127,128,129,130,131}Sb; systematics. JOUR PRVCA 77 034311
- ¹¹⁷Ba 2007LIZR RADIOACTIVITY ¹¹⁷Ba(β^+ p) [from Ni(⁷⁰Ge, X)]; measured β -delayed proton spectra, E γ , I γ , $\gamma\gamma$ -coin, T_{1/2}. ¹¹⁷Ba; deduced levels, J. π . CONF Lisbon (PROCON 2007),Proc.P34,Liu
- ¹¹⁷La 2007LIZR RADIOACTIVITY ¹¹⁷La(p) [from ⁶⁴Zn(⁵⁸Ni, xpyn), E=305 MeV]; measured Ep, Ip, T_{1/2}, p γ -, $\gamma\gamma$ -coin; ¹¹⁷La; deduced T_{1/2}, γ feeding to proton unbound level. CONF Lisbon (PROCON 2007),Proc.P34,Liu

A=118

- ¹¹⁸Sn 2008NI04 NUCLEAR REACTIONS ^{117,119}Sn(n, γ), E=15-100, 550 keV; measured E γ , I γ , cross sections. Compared results to existing data and evaluated cross sections. JOUR JNSTA 45 352

A=119

- ¹¹⁹Rh 2006TOZW RADIOACTIVITY ¹²⁶Cd, ¹²²Ag, ^{121,122}Pd, ^{119,120}Rh(β^-); measured E γ , I γ , $\beta\gamma$, $\gamma\gamma$ -coin, half-lives; deduced levels, J, π . THESIS B E Tomlin, Michigan State Univ.
- ¹¹⁹Pd 2006TOZW RADIOACTIVITY ¹²⁶Cd, ¹²²Ag, ^{121,122}Pd, ^{119,120}Rh(β^-); measured E γ , I γ , $\beta\gamma$, $\gamma\gamma$ -coin, half-lives; deduced levels, J, π . THESIS B E Tomlin, Michigan State Univ.

KEYNUMBERS AND KEYWORDS

A=119 (continued)

¹¹⁹Sb 2008J003 NUCLEAR REACTIONS ²⁷Al(¹⁷⁸Hf, X)¹²¹Sb / ¹²³Sb, E=1150 MeV; measured E γ , I γ , half-lives of isomers, internal conversion coefficients; deduced multipolarities, mixing ratios, $\gamma\gamma(\theta)$. ^{121,123}Sb; deduced levels, J, π . ^{120,122}Sn, ^{117,119,125,126,127,128,129,130,131}Sb; systematics. JOUR PRVCA 77 034311

A=120

¹²⁰Rh 2006TOZW RADIOACTIVITY ¹¹⁷Ru, ¹²⁰Rh, ¹²¹Pd, ^{123,124,125}Ag, ^{125,126,127}Cd, ^{126,127,129}In, ¹²⁹Sn(IT); measured E γ , I γ , (fragment) γ , $\gamma\gamma$ -coin, isomeric half-lives; deduced levels, J, π . THESIS B E Tomlin, Michigan State Univ.

2006TOZW RADIOACTIVITY ¹²⁶Cd, ¹²²Ag, ^{121,122}Pd, ^{119,120}Rh(β^-); measured E γ , I γ , $\beta\gamma$, $\gamma\gamma$ -coin, half-lives; deduced levels, J, π . THESIS B E Tomlin, Michigan State Univ.

¹²⁰Pd 2006TOZW RADIOACTIVITY ¹²⁶Cd, ¹²²Ag, ^{121,122}Pd, ^{119,120}Rh(β^-); measured E γ , I γ , $\beta\gamma$, $\gamma\gamma$ -coin, half-lives; deduced levels, J, π . THESIS B E Tomlin, Michigan State Univ.

¹²⁰Sn 2008J003 NUCLEAR REACTIONS ²⁷Al(¹⁷⁸Hf, X)¹²¹Sb / ¹²³Sb, E=1150 MeV; measured E γ , I γ , half-lives of isomers, internal conversion coefficients; deduced multipolarities, mixing ratios, $\gamma\gamma(\theta)$. ^{121,123}Sb; deduced levels, J, π . ^{120,122}Sn, ^{117,119,125,126,127,128,129,130,131}Sb; systematics. JOUR PRVCA 77 034311

2008NI04 NUCLEAR REACTIONS ^{117,119}Sn(n, γ), E=15-100, 550 keV; measured E γ , I γ , cross sections. Compared results to existing data and evaluated cross sections. JOUR JNSTA 45 352

¹²⁰Ce 2007DAZU RADIOACTIVITY ¹²¹Pr(p) [from ⁹²Mo(p, 6n)¹²¹Pr; measured E p , I p . ¹²¹Pr; deduced T_{1/2}. CONF Lisbon (PROCON 2007),Proc.P3, Davids

A=121

¹²¹Pd 2006TOZW RADIOACTIVITY ¹¹⁷Ru, ¹²⁰Rh, ¹²¹Pd, ^{123,124,125}Ag, ^{125,126,127}Cd, ^{126,127,129}In, ¹²⁹Sn(IT); measured E γ , I γ , (fragment) γ , $\gamma\gamma$ -coin, isomeric half-lives; deduced levels, J, π . THESIS B E Tomlin, Michigan State Univ.

2006TOZW RADIOACTIVITY ¹²⁶Cd, ¹²²Ag, ^{121,122}Pd, ^{119,120}Rh(β^-); measured E γ , I γ , $\beta\gamma$, $\gamma\gamma$ -coin, half-lives; deduced levels, J, π . THESIS B E Tomlin, Michigan State Univ.

¹²¹Ag 2006TOZW RADIOACTIVITY ¹²⁶Cd, ¹²²Ag, ^{121,122}Pd, ^{119,120}Rh(β^-); measured E γ , I γ , $\beta\gamma$, $\gamma\gamma$ -coin, half-lives; deduced levels, J, π . THESIS B E Tomlin, Michigan State Univ.

¹²¹Sb 2008J003 NUCLEAR REACTIONS ²⁷Al(¹⁷⁸Hf, X)¹²¹Sb / ¹²³Sb, E=1150 MeV; measured E γ , I γ , half-lives of isomers, internal conversion coefficients; deduced multipolarities, mixing ratios, $\gamma\gamma(\theta)$. ^{121,123}Sb; deduced levels, J, π . ^{120,122}Sn, ^{117,119,125,126,127,128,129,130,131}Sb; systematics. JOUR PRVCA 77 034311

KEYNUMBERS AND KEYWORDS

A=121 (continued)

¹²¹Pr 2007DAZU RADIOACTIVITY ¹²¹Pr(p) [from ⁹²Mo(p, 6n)¹²¹Pr; measured E_p, I_p. ¹²¹Pr; deduced T_{1/2}. CONF Lisbon (PROCON 2007),Proc.P3, Davids

A=122

¹²²Pd 2006TOZW RADIOACTIVITY ¹²⁶Cd, ¹²²Ag, ^{121,122}Pd, ^{119,120}Rh(β^-); measured E γ , I γ , $\beta\gamma$, $\gamma\gamma$ -coin, half-lives; deduced levels, J, π . THESIS B E Tomlin, Michigan State Univ.

¹²²Ag 2006TOZW RADIOACTIVITY ¹²⁶Cd, ¹²²Ag, ^{121,122}Pd, ^{119,120}Rh(β^-); measured E γ , I γ , $\beta\gamma$, $\gamma\gamma$ -coin, half-lives; deduced levels, J, π . THESIS B E Tomlin, Michigan State Univ.

¹²²Cd 2006TOZW RADIOACTIVITY ¹²⁶Cd, ¹²²Ag, ^{121,122}Pd, ^{119,120}Rh(β^-); measured E γ , I γ , $\beta\gamma$, $\gamma\gamma$ -coin, half-lives; deduced levels, J, π . THESIS B E Tomlin, Michigan State Univ.

¹²²Sn 2008J003 NUCLEAR REACTIONS ²⁷Al(¹⁷⁸Hf, X)¹²¹Sb / ¹²³Sb, E=1150 MeV; measured E γ , I γ , half-lives of isomers, internal conversion coefficients; deduced multipolarities, mixing ratios, $\gamma\gamma(\theta)$. ^{121,123}Sb; deduced levels, J, π . ^{120,122}Sn, ^{117,119,125,126,127,128,129,130,131}Sb; systematics. JOUR PRVCA 77 034311

¹²²La 2007PEZU NUCLEAR REACTIONS ⁹²Mo(⁴⁰Ca, xnyp α)¹²²La, E=200 MeV; measured E γ , I γ , n, x-rays, charged particle. ¹²²La; deduced levels, J, π , bands. CONF Lisbon (PROCON 2007),Proc.P255,Petrache

A=123

¹²³Ag 2006TOZW RADIOACTIVITY ¹¹⁷Ru, ¹²⁰Rh, ¹²¹Pd, ^{123,124,125}Ag, ^{125,126,127}Cd, ^{126,127,129}In, ¹²⁹Sn(IT); measured E γ , I γ , (fragment) γ , $\gamma\gamma$ -coin, isomeric half-lives; deduced levels, J, π . THESIS B E Tomlin, Michigan State Univ.

¹²³In 2005SCZO RADIOACTIVITY ^{123,125,126,127,128,129,130}In, ¹²⁵Cd(IT); Measured E γ , I γ , lifetimes of isomeric states; Deduced level energies, J, π , B(M2). THESIS A Scherillo, Univ of Cologne

¹²³Sb 2008J003 NUCLEAR REACTIONS ²⁷Al(¹⁷⁸Hf, X)¹²¹Sb / ¹²³Sb, E=1150 MeV; measured E γ , I γ , half-lives of isomers, internal conversion coefficients; deduced multipolarities, mixing ratios, $\gamma\gamma(\theta)$. ^{121,123}Sb; deduced levels, J, π . ^{120,122}Sn, ^{117,119,125,126,127,128,129,130,131}Sb; systematics. JOUR PRVCA 77 034311

A=124

¹²⁴Ag 2006TOZW RADIOACTIVITY ¹¹⁷Ru, ¹²⁰Rh, ¹²¹Pd, ^{123,124,125}Ag, ^{125,126,127}Cd, ^{126,127,129}In, ¹²⁹Sn(IT); measured E γ , I γ , (fragment) γ , $\gamma\gamma$ -coin, isomeric half-lives; deduced levels, J, π . THESIS B E Tomlin, Michigan State Univ.

KEYNUMBERS AND KEYWORDS

A=124 (continued)

¹²⁴Xe 2008AL12 NUCLEAR REACTIONS ⁸²Se(⁴⁸Ca, 6n), E=205 MeV; measured E γ , I γ , $\gamma\gamma$ -coin using Gammasphere. ¹²⁴Xe deduced levels, J, π . JOUR ZAANE 36 21

A=125

¹²⁵Ag 2006TOZW RADIOACTIVITY ¹¹⁷Ru, ¹²⁰Rh, ¹²¹Pd, ^{123,124,125}Ag, ^{125,126,127}Cd, ^{126,127,129}In, ¹²⁹Sn(IT); measured E γ , I γ , (fragment) γ , $\gamma\gamma$ -coin, isomeric half-lives; deduced levels, J, π . THESIS B E Tomlin, Michigan State Univ.

¹²⁵Cd 2005SCZO RADIOACTIVITY ^{123,125,126,127,128,129,130}In, ¹²⁵Cd(IT); Measured E γ , I γ , lifetimes of isomeric states; Deduced level energies, J, π , B(M2). THESIS A Scherillo, Univ of Cologne

2006TOZW RADIOACTIVITY ¹¹⁷Ru, ¹²⁰Rh, ¹²¹Pd, ^{123,124,125}Ag, ^{125,126,127}Cd, ^{126,127,129}In, ¹²⁹Sn(IT); measured E γ , I γ , (fragment) γ , $\gamma\gamma$ -coin, isomeric half-lives; deduced levels, J, π . THESIS B E Tomlin, Michigan State Univ.

¹²⁵In 2005SCZO RADIOACTIVITY ^{123,125,126,127,128,129,130}In, ¹²⁵Cd(IT); Measured E γ , I γ , lifetimes of isomeric states; Deduced level energies, J, π , B(M2). THESIS A Scherillo, Univ of Cologne

¹²⁵Sb 2008J003 NUCLEAR REACTIONS ²⁷Al(¹⁷⁸Hf, X)¹²¹Sb / ¹²³Sb, E=1150 MeV; measured E γ , I γ , half-lives of isomers, internal conversion coefficients; deduced multipolarities, mixing ratios, $\gamma\gamma(\theta)$. ^{121,123}Sb; deduced levels, J, π . ^{120,122}Sn, ^{117,119,125,126,127,128,129,130,131}Sb; systematics. JOUR PRVCA 77 034311

A=126

¹²⁶Cd 2006TOZW RADIOACTIVITY ¹¹⁷Ru, ¹²⁰Rh, ¹²¹Pd, ^{123,124,125}Ag, ^{125,126,127}Cd, ^{126,127,129}In, ¹²⁹Sn(IT); measured E γ , I γ , (fragment) γ , $\gamma\gamma$ -coin, isomeric half-lives; deduced levels, J, π . THESIS B E Tomlin, Michigan State Univ.

2006TOZW RADIOACTIVITY ¹²⁶Cd, ¹²²Ag, ^{121,122}Pd, ^{119,120}Rh(β^-); measured E γ , I γ , $\beta\gamma$, $\gamma\gamma$ -coin, half-lives; deduced levels, J, π . THESIS B E Tomlin, Michigan State Univ.

¹²⁶In 2005SCZO RADIOACTIVITY ^{123,125,126,127,128,129,130}In, ¹²⁵Cd(IT); Measured E γ , I γ , lifetimes of isomeric states; Deduced level energies, J, π , B(M2). THESIS A Scherillo, Univ of Cologne

2006TOZW RADIOACTIVITY ¹¹⁷Ru, ¹²⁰Rh, ¹²¹Pd, ^{123,124,125}Ag, ^{125,126,127}Cd, ^{126,127,129}In, ¹²⁹Sn(IT); measured E γ , I γ , (fragment) γ , $\gamma\gamma$ -coin, isomeric half-lives; deduced levels, J, π . THESIS B E Tomlin, Michigan State Univ.

2006TOZW RADIOACTIVITY ¹²⁶Cd, ¹²²Ag, ^{121,122}Pd, ^{119,120}Rh(β^-); measured E γ , I γ , $\beta\gamma$, $\gamma\gamma$ -coin, half-lives; deduced levels, J, π . THESIS B E Tomlin, Michigan State Univ.

KEYNUMBERS AND KEYWORDS

A=126 (continued)

¹²⁶Sb 2008J003 NUCLEAR REACTIONS ²⁷Al(¹⁷⁸Hf, X)¹²¹Sb / ¹²³Sb, E=1150 MeV; measured E γ , I γ , half-lives of isomers, internal conversion coefficients; deduced multipolarities, mixing ratios, $\gamma\gamma(\theta)$. ^{121,123}Sb; deduced levels, J, π . ^{120,122}Sn, ^{117,119,125,126,127,128,129,130,131}Sb; systematics. JOUR PRVCA 77 034311

A=127

¹²⁷Cd 2006TOZW RADIOACTIVITY ¹¹⁷Ru, ¹²⁰Rh, ¹²¹Pd, ^{123,124,125}Ag, ^{125,126,127}Cd, ^{126,127,129}In, ¹²⁹Sn(IT); measured E γ , I γ , (fragment) γ , $\gamma\gamma$ -coin, isomeric half-lives; deduced levels, J, π . THESIS B E Tomlin, Michigan State Univ.

¹²⁷In 2005SCZO RADIOACTIVITY ^{123,125,126,127,128,129,130}In, ¹²⁵Cd(IT); Measured E γ , I γ , lifetimes of isomeric states; Deduced level energies, J, π , B(M2). THESIS A Scherillo, Univ of Cologne

2006TOZW RADIOACTIVITY ¹¹⁷Ru, ¹²⁰Rh, ¹²¹Pd, ^{123,124,125}Ag, ^{125,126,127}Cd, ^{126,127,129}In, ¹²⁹Sn(IT); measured E γ , I γ , (fragment) γ , $\gamma\gamma$ -coin, isomeric half-lives; deduced levels, J, π . THESIS B E Tomlin, Michigan State Univ.

¹²⁷Sb 2008J003 NUCLEAR REACTIONS ²⁷Al(¹⁷⁸Hf, X)¹²¹Sb / ¹²³Sb, E=1150 MeV; measured E γ , I γ , half-lives of isomers, internal conversion coefficients; deduced multipolarities, mixing ratios, $\gamma\gamma(\theta)$. ^{121,123}Sb; deduced levels, J, π . ^{120,122}Sn, ^{117,119,125,126,127,128,129,130,131}Sb; systematics. JOUR PRVCA 77 034311

A=128

¹²⁸In 2005SCZO RADIOACTIVITY ^{123,125,126,127,128,129,130}In, ¹²⁵Cd(IT); Measured E γ , I γ , lifetimes of isomeric states; Deduced level energies, J, π , B(M2). THESIS A Scherillo, Univ of Cologne

¹²⁸Sb 2008J003 NUCLEAR REACTIONS ²⁷Al(¹⁷⁸Hf, X)¹²¹Sb / ¹²³Sb, E=1150 MeV; measured E γ , I γ , half-lives of isomers, internal conversion coefficients; deduced multipolarities, mixing ratios, $\gamma\gamma(\theta)$. ^{121,123}Sb; deduced levels, J, π . ^{120,122}Sn, ^{117,119,125,126,127,128,129,130,131}Sb; systematics. JOUR PRVCA 77 034311

A=129

¹²⁹In 2005SCZO RADIOACTIVITY ^{123,125,126,127,128,129,130}In, ¹²⁵Cd(IT); Measured E γ , I γ , lifetimes of isomeric states; Deduced level energies, J, π , B(M2). THESIS A Scherillo, Univ of Cologne

2006TOZW RADIOACTIVITY ¹¹⁷Ru, ¹²⁰Rh, ¹²¹Pd, ^{123,124,125}Ag, ^{125,126,127}Cd, ^{126,127,129}In, ¹²⁹Sn(IT); measured E γ , I γ , (fragment) γ , $\gamma\gamma$ -coin, isomeric half-lives; deduced levels, J, π . THESIS B E Tomlin, Michigan State Univ.

KEYNUMBERS AND KEYWORDS

A=129 (continued)

- ¹²⁹Sn 2006TOZW RADIOACTIVITY ¹¹⁷Ru, ¹²⁰Rh, ¹²¹Pd, ^{123,124,125}Ag, ^{125,126,127}Cd, ^{126,127,129}In, ¹²⁹Sn(IT); measured E γ , I γ , (fragment) γ , $\gamma\gamma$ -coin, isomeric half-lives; deduced levels, J, π . THESIS B E Tomlin, Michigan State Univ.
- ¹²⁹Sb 2008J003 NUCLEAR REACTIONS ²⁷Al(¹⁷⁸Hf, X)¹²¹Sb / ¹²³Sb, E=1150 MeV; measured E γ , I γ , half-lives of isomers, internal conversion coefficients; deduced multipolarities, mixing ratios, $\gamma\gamma(\theta)$. ^{121,123}Sb; deduced levels, J, π . ^{120,122}Sn, ^{117,119,125,126,127,128,129,130,131}Sb; systematics. JOUR PRVCA 77 034311

A=130

- ¹³⁰In 2005SCZO RADIOACTIVITY ^{123,125,126,127,128,129,130}In, ¹²⁵Cd(IT); Measured E γ , I γ , lifetimes of isomeric states; Deduced level energies, J, π , B(M2). THESIS A Scherillo, Univ of Cologne
- ¹³⁰Sb 2008J003 NUCLEAR REACTIONS ²⁷Al(¹⁷⁸Hf, X)¹²¹Sb / ¹²³Sb, E=1150 MeV; measured E γ , I γ , half-lives of isomers, internal conversion coefficients; deduced multipolarities, mixing ratios, $\gamma\gamma(\theta)$. ^{121,123}Sb; deduced levels, J, π . ^{120,122}Sn, ^{117,119,125,126,127,128,129,130,131}Sb; systematics. JOUR PRVCA 77 034311

A=131

- ¹³¹Sb 2008J003 NUCLEAR REACTIONS ²⁷Al(¹⁷⁸Hf, X)¹²¹Sb / ¹²³Sb, E=1150 MeV; measured E γ , I γ , half-lives of isomers, internal conversion coefficients; deduced multipolarities, mixing ratios, $\gamma\gamma(\theta)$. ^{121,123}Sb; deduced levels, J, π . ^{120,122}Sn, ^{117,119,125,126,127,128,129,130,131}Sb; systematics. JOUR PRVCA 77 034311

A=132

No references found

A=133

No references found

A=134

- ¹³⁴Cs 2008HA11 RADIOACTIVITY ¹³⁴Cs, ¹³⁷Ba(IT); measured E γ , I γ , E(X-ray), I(X-ray); deduced ICC. Compared results to existing data and to model calculations. JOUR ARISE 66 701

KEYNUMBERS AND KEYWORDS

A=134 (continued)

- 2008NI02 RADIOACTIVITY $^{139}\text{Ba}(\beta^-)$ [from $^{138}\text{Ba}(n, \gamma)$]; measured K-shell internal conversion coefficients. ^{134}Cs , ^{137}Ba ; analyzed K-shell internal conversion coefficients. ^{134}Cs , ^{137}Ba , ^{139}La ; deduced experimental α_K and compared with theory. JOUR PRVCA 77 034306

A=135

No references found

A=136

- ^{136}Xe 2008SA19 NUCLEAR REACTIONS $^{136}\text{Xe}(\gamma, \gamma')$, E not given; measured $E\gamma$, $I\gamma$, $B(E1)$. Comparison with quasiparticle phonon model. JOUR PRLTA 100 232501
- ^{136}Pm 2007CUZZ NUCLEAR REACTIONS $^{92}\text{Mo}(^{54}\text{Fe}, xnypz\alpha)^{136}\text{Pm}$, E=315 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{136}Pm ; deduced levels, band, $T_{1/2}$. CONF Lisbon (PROCON 2007), Proc.P278, Cullen

A=137

- ^{137}Ba 2008HA11 RADIOACTIVITY ^{134}Cs , $^{137}\text{Ba}(IT)$; measured $E\gamma$, $I\gamma$, $E(X\text{-ray})$, $I(X\text{-ray})$; deduced ICC. Compared results to existing data and to model calculations. JOUR ARISE 66 701
- 2008NI02 RADIOACTIVITY $^{139}\text{Ba}(\beta^-)$ [from $^{138}\text{Ba}(n, \gamma)$]; measured K-shell internal conversion coefficients. ^{134}Cs , ^{137}Ba ; analyzed K-shell internal conversion coefficients. ^{134}Cs , ^{137}Ba , ^{139}La ; deduced experimental α_K and compared with theory. JOUR PRVCA 77 034306

A=138

- ^{138}La 2008DE16 ATOMIC MASSES $^{96,98,99,100,101,102,104}\text{Ru}$; measured absolute isotopic abundances by thermal-ionization mass spectrometry. $^{92,94,95,96,97,98,100}\text{Mo}$, $^{138,139}\text{La}$, $^{168,170,171,172,173,174,176}\text{Yb}$, $^{180,181}\text{Ta}$; compiled absolute isotopic abundances. JOUR PRVCA 77 045803

A=139

- ^{139}Ba 2008NI02 RADIOACTIVITY $^{139}\text{Ba}(\beta^-)$ [from $^{138}\text{Ba}(n, \gamma)$]; measured K-shell internal conversion coefficients. ^{134}Cs , ^{137}Ba ; analyzed K-shell internal conversion coefficients. ^{134}Cs , ^{137}Ba , ^{139}La ; deduced experimental α_K and compared with theory. JOUR PRVCA 77 034306

KEYNUMBERS AND KEYWORDS

A=139 (continued)

- ¹³⁹La 2008DE16 ATOMIC MASSES ^{96,98,99,100,101,102,104}Ru; measured absolute isotopic abundances by thermal-ionization mass spectrometry. ^{92,94,95,96,97,98,100}Mo, ^{138,139}La, ^{168,170,171,172,173,174,176}Yb, ^{180,181}Ta; compiled absolute isotopic abundances. JOUR PRVCA 77 045803
- 2008NI02 RADIOACTIVITY ¹³⁹Ba(β^-) [from ¹³⁸Ba(n, γ)]; measured K-shell internal conversion coefficients. ¹³⁴Cs, ¹³⁷Ba; analyzed K-shell internal conversion coefficients. ¹³⁴Cs, ¹³⁷Ba, ¹³⁹La; deduced experimental α_K and compared with theory. JOUR PRVCA 77 034306

A=140

- ¹⁴⁰Nd 2008NA05 NUCLEAR REACTIONS ⁹²Mo(γ , p), (γ , n), (γ , α), E not given; ¹⁴⁴Sm(γ , n), (γ , α), E not given; measured E_γ , I_γ , activation yields. Comparison with model calculations. JOUR JPGPE 35 014036
- ¹⁴⁰Eu 2007BAZQ NUCLEAR REACTIONS ⁹²Mo(⁵⁴Fe, n5p)¹⁴⁰Eu, E=315 MeV; ⁹²Mo(⁵⁴Fe, n3p)¹⁴²Tb, E=250 MeV; ⁹²Mo(⁵⁴Fe, np)¹⁴⁴Ho, E=225 MeV; ⁹²Mo(⁵⁸Ni, 3np)¹⁴⁶Tm, E=297 MeV; measured E_γ , I_γ , $\gamma\gamma$ coin, ce, $\gamma\gamma(t)$. ¹⁴⁰Eu; deduced $T_{1/2}$, levels, J, π . ¹⁴²Tb; deduced $T_{1/2}$, levels, J, π . ¹⁴⁴Ho; deduced $T_{1/2}$, levels, J, π . CONF Lisbon (PROCON 2007),Proc.P291,Batchelder
- ¹⁴⁰Dy 2007KAZO RADIOACTIVITY ^{141,141m}Ho(p) [from ⁹²Mo(⁵⁶Fe, xpyn), E=290, 300 MeV]; measured E_p , I_p , ; ^{141gs}Ho; deduced p-decay to gs and 2⁺ state of ¹⁴⁰Dy, branching, $T_{1/2}$. ^{141m}Ho; deduced p-decay to gs and 2⁺ state of ¹⁴⁰Dy, branching, $T_{1/2}$. CONF Lisbon (PROCON 2007),Proc.P22,Karny
- 2008KA16 RADIOACTIVITY ¹⁴¹Ho(p) [from ⁹²Mo(⁵⁴Fe, X), E=290, 300 MeV]; measured E_p , I_p , $T_{1/2}$. JOUR PYLBB 664 52

A=141

- ¹⁴¹Ho 2007KAZO RADIOACTIVITY ^{141,141m}Ho(p) [from ⁹²Mo(⁵⁶Fe, xpyn), E=290, 300 MeV]; measured E_p , I_p , ; ^{141gs}Ho; deduced p-decay to gs and 2⁺ state of ¹⁴⁰Dy, branching, $T_{1/2}$. ^{141m}Ho; deduced p-decay to gs and 2⁺ state of ¹⁴⁰Dy, branching, $T_{1/2}$. CONF Lisbon (PROCON 2007),Proc.P22,Karny
- 2008KA16 RADIOACTIVITY ¹⁴¹Ho(p) [from ⁹²Mo(⁵⁴Fe, X), E=290, 300 MeV]; measured E_p , I_p , $T_{1/2}$. JOUR PYLBB 664 52

A=142

- ¹⁴²Tb 2007BAZQ NUCLEAR REACTIONS ⁹²Mo(⁵⁴Fe, n5p)¹⁴⁰Eu, E=315 MeV; ⁹²Mo(⁵⁴Fe, n3p)¹⁴²Tb, E=250 MeV; ⁹²Mo(⁵⁴Fe, np)¹⁴⁴Ho, E=225 MeV; ⁹²Mo(⁵⁸Ni, 3np)¹⁴⁶Tm, E=297 MeV; measured E_γ , I_γ , $\gamma\gamma$ coin, ce, $\gamma\gamma(t)$. ¹⁴⁰Eu; deduced $T_{1/2}$, levels, J, π . ¹⁴²Tb; deduced $T_{1/2}$, levels, J, π . ¹⁴⁴Ho; deduced $T_{1/2}$, levels, J, π . CONF Lisbon (PROCON 2007),Proc.P291,Batchelder

KEYNUMBERS AND KEYWORDS

A=142 (continued)

2007CUZZ NUCLEAR REACTIONS $^{92}\text{Mo}(^{54}\text{Fe}, n3p)^{142}\text{Tb}$, E=245, 252, 265 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. $^{142m2}\text{Tb}$; deduced $T_{1/2}$. CONF Lisbon (PROCON 2007),Proc.P278,Cullen

A=143

^{143}Sm 2008NA05 NUCLEAR REACTIONS $^{92}\text{Mo}(\gamma, p)$, (γ, n) , (γ, α) , E not given; $^{144}\text{Sm}(\gamma, n)$, (γ, α) , E not given; measured $E\gamma$, $I\gamma$, activation yields. Comparison with model calculations. JOUR JPGPE 35 014036

^{143}Tb 2007HEZV ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth

^{143}Dy 2007HEZV ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth

A=144

^{144}Dy 2007HEZV ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth

^{144}Ho 2007BAZQ NUCLEAR REACTIONS $^{92}\text{Mo}(^{54}\text{Fe}, n5p)^{140}\text{Eu}$, E=315 MeV; $^{92}\text{Mo}(^{54}\text{Fe}, n3p)^{142}\text{Tb}$, E=250 MeV; $^{92}\text{Mo}(^{54}\text{Fe}, np)^{144}\text{Ho}$, E=225 MeV; $^{92}\text{Mo}(^{58}\text{Ni}, 3np)^{146}\text{Tm}$, E=297 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ coin, ce, $\gamma\gamma(t)$. ^{140}Eu ; deduced $T_{1/2}$, levels, J, π . ^{142}Tb ; deduced $T_{1/2}$, levels, J, π . ^{144}Ho ; deduced $T_{1/2}$, levels, J, π . CONF Lisbon (PROCON 2007),Proc.P291,Batchelder

 2007HEZV ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth

^{144}Er 2007SEZR RADIOACTIVITY $^{101}\text{Sn}(\beta^+p)$ [from $^{46}\text{Ti}(^{58}\text{Ni}, 3n)$, E=192 MeV]; $^{145}\text{Tm}(p)$; measured $E\pi$, $I\pi$, $p\gamma$ -coin. CONF Lisbon (PROCON 2007),Proc.P149,Seweryniak

KEYNUMBERS AND KEYWORDS

A=145

^{145}Cs	2008WE02	ATOMIC MASSES $^{145,147}\text{Cs}$, $^{181,183,186,187,196,205}\text{Tl}$, $^{197,208}\text{Pb}$, $^{190,191,192,193,194,195,196,197,209,215,216}\text{Bi}$, $^{203,205,229}\text{Fr}$, $^{214,229,230}\text{Ra}$; measured masses using the ISOLTRAP Penning trap mass spectrometer. JOUR NUPAB 803 1
^{145}Nd	2007DAZU	RADIOACTIVITY $^{146}\text{Pm}(p)$; measured Ep, Ip, $T_{1/2}$, $p\gamma$ coin. ^{146}Pm ; deduced levels, J. Fragment Mass Analyzer at ANL, Recoil Decay Tagging technique. CONF Lisbon (PROCON 2007),Proc.P3, Davids
^{145}Dy	2007HEZV	ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth
^{145}Ho	2007BAZQ	RADIOACTIVITY $^{146}\text{Tm}(\beta^+p)$; measured β^+ , charged particle spectra; ^{11}Be ; deduced three body break-up excited state through ^{10}Be state. CONF Lisbon (PROCON 2007),Proc.P291,Batchelder
	2007HEZV	ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth
^{145}Er	2007MAZA	RADIOACTIVITY $^{146}\text{Tm}(p)$; measured Ep, Ip, $T_{1/2}$; ^{146}Tm ; deduced levels. ^{145}Er ; deduced levels, J, π . CONF Lisbon (PROCON 2007),Proc.P224, Madurga
^{145}Tm	2007SEZR	RADIOACTIVITY $^{101}\text{Sn}(\beta^+p)$ [from $^{46}\text{Ti}(^{58}\text{Ni}, 3n)$, $E=192$ MeV]; $^{145}\text{Tm}(p)$; measured $E\pi$, $I\pi$, $p\gamma$ -coin. CONF Lisbon (PROCON 2007),Proc.P149, Seweryniak

A=146

^{146}Pm	2007DAZU	RADIOACTIVITY $^{146}\text{Pm}(p)$; measured Ep, Ip, $T_{1/2}$, $p\gamma$ coin. ^{146}Pm ; deduced levels, J. Fragment Mass Analyzer at ANL, Recoil Decay Tagging technique. CONF Lisbon (PROCON 2007),Proc.P3, Davids
^{146}Dy	2007HEZV	ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth
^{146}Ho	2007HEZV	ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth

KEYNUMBERS AND KEYWORDS

A=146 (continued)

^{146}Er	2007HEZV	ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth
^{146}Tm	2007BAZQ	NUCLEAR REACTIONS $^{92}\text{Mo}(^{54}\text{Fe}, \text{n5p})^{140}\text{Eu}$, E=315 MeV; $^{92}\text{Mo}(^{54}\text{Fe}, \text{n3p})^{142}\text{Tb}$, E=250 MeV; $^{92}\text{Mo}(^{54}\text{Fe}, \text{np})^{144}\text{Ho}$, E=225 MeV; $^{92}\text{Mo}(^{58}\text{Ni}, \text{3np})^{146}\text{Tm}$, E=297 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ coin, ce, $\gamma\gamma(t)$. ^{140}Eu ; deduced $T_{1/2}$, levels, J, π . ^{142}Tb ; deduced $T_{1/2}$, levels, J, π . ^{144}Ho ; deduced $T_{1/2}$, levels, J, π . CONF Lisbon (PROCON 2007),Proc.P291,Batchelder
	2007BAZQ	RADIOACTIVITY $^{146}\text{Tm}(\beta^+\text{p})$; measured β^+ , charged particle spectra; ^{11}Be ; deduced three body break-up excited state through ^{10}Be state. CONF Lisbon (PROCON 2007),Proc.P291,Batchelder
	2007MAZA	RADIOACTIVITY $^{146}\text{Tm}(\text{p})$; measured $E\text{p}$, $I\text{p}$, $T_{1/2}$; ^{146}Tm ; deduced levels. ^{145}Er ; deduced levels, J, π . CONF Lisbon (PROCON 2007),Proc.P224,Madurga

A=147

^{147}Cs	2008WE02	ATOMIC MASSES $^{145,147}\text{Cs}$, $^{181,183,186,187,196,205}\text{Tl}$, $^{197,208}\text{Pb}$, $^{190,191,192,193,194,195,196,197,209,215,216}\text{Bi}$, $^{203,205,229}\text{Fr}$, $^{214,229,230}\text{Ra}$; measured masses using the ISOLTRAP Penning trap mass spectrometer. JOUR NUPAB 803 1
^{147}Tb	2007HEZV	ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth
^{147}Dy	2007HEZV	ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth
^{147}Ho	2007HEZV	ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth

KEYNUMBERS AND KEYWORDS

A=147 (continued)

^{147}Er	2007HEZV	ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth
^{147}Tm	2007HEZV	ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth

A=148

^{148}Dy	2007HEZV	ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth
^{148}Ho	2007HEZV	ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth
^{148}Er	2007HEZV	ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth
^{148}Tm	2007HEZV	ATOMIC MASSES $^{143,147}\text{Tb}$, $^{143,144,145,146,147,148}\text{Dy}$, $^{144,145,146,147,148}\text{Ho}$, $^{146,147,148}\text{Er}$, $^{147,148}\text{Tm}$, ^{113}Xe , $^{111,112,113}\text{I}$, $^{109,110,111,112}\text{Te}$, $^{107,109,111}\text{Sb}$, $^{105,106}\text{Sn}$, $^{102,103,104,105}\text{In}$, $^{101,102,103,104}\text{Cd}$, $^{99,101,103}\text{Ag}$, $^{89,90,91,92,93,94}\text{Tc}$, $^{90,91,92,94,96}\text{Ru}$, $^{92,93,95,96,97,98}\text{Rh}$; measured masses. SHIPTRAP penning trap spectrometer. CONF Lisbon (PROCON 2007),Proc.P319,Herfurth

A=149

No references found

KEYNUMBERS AND KEYWORDS

A=150

- ¹⁵⁰Sm 2007ZIZX NUCLEAR REACTIONS ⁴⁸Ti, Se, ⁷⁶Se, Kr, ⁸²Kr, Cd, ¹⁰⁶Cd, Sm, ¹⁵⁰Sm(μ , ν), E not given; measured E γ , I γ , X-ray energies and intensities; deduced total and partial μ capture rates, yields of radioactive daughter nuclei. CONF Prague (MEDEX'07),Proc.P91,Zinatulina
- ¹⁵⁰Yb 2007LIZR RADIOACTIVITY ¹⁵¹Lu(p) [from ⁹⁶Ru(⁵⁸Ni, p2n), E=256 MeV]; measured E γ , I γ , $\gamma\gamma$ coin. ¹⁵¹Lu; deduced levels, J, π . CONF Lisbon (PROCON 2007),Proc.P34,Liu

A=151

- ¹⁵¹Lu 2007LIZR RADIOACTIVITY ¹⁵¹Lu(p) [from ⁹⁶Ru(⁵⁸Ni, p2n), E=256 MeV]; measured E γ , I γ , $\gamma\gamma$ coin. ¹⁵¹Lu; deduced levels, J, π . CONF Lisbon (PROCON 2007),Proc.P34,Liu

A=152

No references found

A=153

- ¹⁵³Yb 2007CUZZ NUCLEAR REACTIONS ⁹²Mo(⁶⁴Zn, X)¹⁵³Yb, E=280 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁵³Yb; deduced T_{1/2}. CONF Lisbon (PROCON 2007),Proc.P278,Cullen

A=154

- ¹⁵⁴Hf 2007PAZT RADIOACTIVITY ¹⁵⁹Re(p), (α), ¹⁵⁵Ta(p) [¹⁵⁹Re from ¹⁰⁶Cd(⁵⁸Ni, p4n), E=300 MeV]; measured E α , I α , Ep, Ip, branching ratio, T_{1/2}. ¹⁵⁹Re, ¹⁵⁴Hf; deduced T_{1/2}. CONF Lisbon (PROCON 2007),Proc.P137,Page

A=155

- ¹⁵⁵Ta 2007J0ZX RADIOACTIVITY ¹⁵⁹Re(p), (α) [from ¹⁰⁶Cd(⁵⁸Ni, 4pn), E=300 MeV]; measured Ep, Ip, E α , I α , T_{1/2}; ¹⁵⁹Re; deduced p-decay, α -decay, branching, partial T_{1/2}. CONF Lisbon (PROCON 2007),Proc.P28,Joss
- 2007PAZT RADIOACTIVITY ¹⁵⁹Re(p), (α), ¹⁵⁵Ta(p) [¹⁵⁹Re from ¹⁰⁶Cd(⁵⁸Ni, p4n), E=300 MeV]; measured E α , I α , Ep, Ip, branching ratio, T_{1/2}. ¹⁵⁹Re, ¹⁵⁴Hf; deduced T_{1/2}. CONF Lisbon (PROCON 2007),Proc.P137,Page

A=156

No references found

A=157

No references found

A=158

- ¹⁵⁸W 2007JOZX RADIOACTIVITY ¹⁵⁹Re(p), (α) [from ¹⁰⁶Cd(⁵⁸Ni, 4pn), E=300 MeV]; measured Ep, Ip, E α , I α , T_{1/2}; ¹⁵⁹Re; deduced p-decay, α -decay, branching, partial T_{1/2}. CONF Lisbon (PROCON 2007),Proc.P28,Joss
- 2007PAZT RADIOACTIVITY ¹⁵⁹Re(p), (α), ¹⁵⁵Ta(p) [¹⁵⁹Re from ¹⁰⁶Cd(⁵⁸Ni, p4n), E=300 MeV]; measured E α , I α , Ep, Ip, branching ratio, T_{1/2}. ¹⁵⁹Re, ¹⁵⁴Hf; deduced T_{1/2}. CONF Lisbon (PROCON 2007),Proc.P137,Page

A=159

- ¹⁵⁹Re 2007JOZX RADIOACTIVITY ¹⁵⁹Re(p), (α) [from ¹⁰⁶Cd(⁵⁸Ni, 4pn), E=300 MeV]; measured Ep, Ip, E α , I α , T_{1/2}; ¹⁵⁹Re; deduced p-decay, α -decay, branching, partial T_{1/2}. CONF Lisbon (PROCON 2007),Proc.P28,Joss
- 2007PAZT RADIOACTIVITY ¹⁵⁹Re(p), (α), ¹⁵⁵Ta(p) [¹⁵⁹Re from ¹⁰⁶Cd(⁵⁸Ni, p4n), E=300 MeV]; measured E α , I α , Ep, Ip, branching ratio, T_{1/2}. ¹⁵⁹Re, ¹⁵⁴Hf; deduced T_{1/2}. CONF Lisbon (PROCON 2007),Proc.P137,Page

A=160

- ¹⁶⁰Tb 2008YA10 RADIOACTIVITY ¹⁶⁰Tb(β^-), ¹⁶⁰Er, ¹⁷³Lu, ²⁰¹Tl, ²⁰³Pb(EC), ¹⁸²Re, ²⁰⁷Bi(EC), (β^+); measured L X-ray intensity ratios following decay and photoionization. Comparison with theory and other data. JOUR
PYLBB 663 186
- ¹⁶⁰Dy 2008YA10 RADIOACTIVITY ¹⁶⁰Tb(β^-), ¹⁶⁰Er, ¹⁷³Lu, ²⁰¹Tl, ²⁰³Pb(EC), ¹⁸²Re, ²⁰⁷Bi(EC), (β^+); measured L X-ray intensity ratios following decay and photoionization. Comparison with theory and other data. JOUR
PYLBB 663 186
- ¹⁶⁰Ho 2008YA10 RADIOACTIVITY ¹⁶⁰Tb(β^-), ¹⁶⁰Er, ¹⁷³Lu, ²⁰¹Tl, ²⁰³Pb(EC), ¹⁸²Re, ²⁰⁷Bi(EC), (β^+); measured L X-ray intensity ratios following decay and photoionization. Comparison with theory and other data. JOUR
PYLBB 663 186
- ¹⁶⁰Er 2008YA10 RADIOACTIVITY ¹⁶⁰Tb(β^-), ¹⁶⁰Er, ¹⁷³Lu, ²⁰¹Tl, ²⁰³Pb(EC), ¹⁸²Re, ²⁰⁷Bi(EC), (β^+); measured L X-ray intensity ratios following decay and photoionization. Comparison with theory and other data. JOUR
PYLBB 663 186

KEYNUMBERS AND KEYWORDS

A=160 (continued)

¹⁶⁰Tm 2008SU08 NUCLEAR REACTIONS ¹⁴⁶Nd(¹⁹F, 5n), E=102 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁶⁰Tm deduced levels, J, π , configurations, B(M1) / B(E2) ratio. JOUR CPLEE 25 1996

A=161

No references found

A=162

¹⁶²Tb 2008FA06 NUCLEAR REACTIONS ⁵¹V(n, p), E=14.1, 14.6 MeV; ⁶⁴Ni(n, α), E=13.5, 14.6 MeV; ¹⁶⁵Ho(n, α), (n, 2n), E=14.1, 14.6 MeV; ¹⁸⁰W(n, 2n), E=13.5, 14.1 MeV; ¹⁸⁶W(n, 2n), E=14.1 MeV; measured σ using activation technique. Comparison with other data. JOUR ARISE 66 1104

A=163

¹⁶³Tm 2007WAZV NUCLEAR REACTIONS ¹³⁰Te(³⁷Cl, 4n), E=170 MeV; measured E γ , I γ , $\gamma\gamma$ -coin, lifetimes by Doppler-shift method. ¹⁶³Tm; deduced high-spin levels, J, π , triaxial superdeformed bands, B(M1) / B(E2), transition quadrupole moments, potential energy surface calculations. ^{240,242}Pu(²⁰⁸Pb, ²⁰⁸Pb'), ²³⁹Pu(²⁰⁷Pb, ²⁰⁸Pb), E=1300 MeV; measured E γ , I γ , $\gamma\gamma$ -coin, $\gamma(\theta)$ in 'unsafe' Coulomb excitation for ^{240,242}Pu and single-neutron transfer for ²³⁸Pu. ^{238,240,242}Pu; deduced high-spin levels, J, π , A₂, A₄. THESIS X Wang, Notre Dame, Indiana

A=164

¹⁶⁴Ho 2008FA06 NUCLEAR REACTIONS ⁵¹V(n, p), E=14.1, 14.6 MeV; ⁶⁴Ni(n, α), E=13.5, 14.6 MeV; ¹⁶⁵Ho(n, α), (n, 2n), E=14.1, 14.6 MeV; ¹⁸⁰W(n, 2n), E=13.5, 14.1 MeV; ¹⁸⁶W(n, 2n), E=14.1 MeV; measured σ using activation technique. Comparison with other data. JOUR ARISE 66 1104

A=165

¹⁶⁵Tm 2008AG08 NUCLEAR REACTIONS ¹⁶⁵HO(α , 2n), ¹⁶⁵HO(α , 3n), ¹⁶⁵HO(α , 4n), E=31.7, 36.6, 41.1, 45.4, 49.6 MeV; measured E γ , I γ , σ ; Stacked foil technique deduced equilibrium and non-equilibrium contributions; Comparison with geometry dependent hybrid model, ALICE91 code. JOUR CJPHA 86 495

KEYNUMBERS AND KEYWORDS

A=166

- ¹⁶⁶Tm 2008AG08 NUCLEAR REACTIONS ¹⁶⁵HO(α , 2n), ¹⁶⁵HO(α , 3n), ¹⁶⁵HO(α , 4n), E=31.7, 36.6, 41.1, 45.4, 49.6 MeV; measured E γ , I γ , σ ; Stacked foil technique deduced equilibrium and non-equilibrium contributions; Comparison with geometry dependent hybrid model, ALICE91 code. JOUR CJPFA 86 495
- ¹⁶⁶Hf 2008MC01 RADIOACTIVITY ^{170,172,174}Ta(β^+), (EC) [from ¹⁵⁹Tb(¹⁶O, 5n), E=100 MeV; ¹⁶⁵Ho(¹²C, 5n), E=80 MeV; ¹⁶⁸Er(¹¹B, 5n), E=65 MeV]; measured E γ , I γ , $\gamma\gamma$ -coin, branching ratios. ^{170,172,174}Hf; deduced levels, J, π . ^{166,168,170,172,174}Hf; systematics. JOUR PRVCA 77 054304

A=167

- ¹⁶⁷Tm 2008AG08 NUCLEAR REACTIONS ¹⁶⁵HO(α , 2n), ¹⁶⁵HO(α , 3n), ¹⁶⁵HO(α , 4n), E=31.7, 36.6, 41.1, 45.4, 49.6 MeV; measured E γ , I γ , σ ; Stacked foil technique deduced equilibrium and non-equilibrium contributions; Comparison with geometry dependent hybrid model, ALICE91 code. JOUR CJPFA 86 495

A=168

- ¹⁶⁸Yb 2008DE16 ATOMIC MASSES ^{96,98,99,100,101,102,104}Ru; measured absolute isotopic abundances by thermal-ionization mass spectrometry. ^{92,94,95,96,97,98,100}Mo, ^{138,139}La, ^{168,170,171,172,173,174,176}Yb, ^{180,181}Ta; compiled absolute isotopic abundances. JOUR PRVCA 77 045803
- ¹⁶⁸Hf 2008MC01 RADIOACTIVITY ^{170,172,174}Ta(β^+), (EC) [from ¹⁵⁹Tb(¹⁶O, 5n), E=100 MeV; ¹⁶⁵Ho(¹²C, 5n), E=80 MeV; ¹⁶⁸Er(¹¹B, 5n), E=65 MeV]; measured E γ , I γ , $\gamma\gamma$ -coin, branching ratios. ^{170,172,174}Hf; deduced levels, J, π . ^{166,168,170,172,174}Hf; systematics. JOUR PRVCA 77 054304

A=169

No references found

A=170

- ¹⁷⁰Yb 2008DE16 ATOMIC MASSES ^{96,98,99,100,101,102,104}Ru; measured absolute isotopic abundances by thermal-ionization mass spectrometry. ^{92,94,95,96,97,98,100}Mo, ^{138,139}La, ^{168,170,171,172,173,174,176}Yb, ^{180,181}Ta; compiled absolute isotopic abundances. JOUR PRVCA 77 045803
- ¹⁷⁰Hf 2008MC01 RADIOACTIVITY ^{170,172,174}Ta(β^+), (EC) [from ¹⁵⁹Tb(¹⁶O, 5n), E=100 MeV; ¹⁶⁵Ho(¹²C, 5n), E=80 MeV; ¹⁶⁸Er(¹¹B, 5n), E=65 MeV]; measured E γ , I γ , $\gamma\gamma$ -coin, branching ratios. ^{170,172,174}Hf; deduced levels, J, π . ^{166,168,170,172,174}Hf; systematics. JOUR PRVCA 77 054304

KEYNUMBERS AND KEYWORDS

A=170 (continued)

¹⁷⁰Ta 2008MC01 RADIOACTIVITY ^{170,172,174}Ta(β^+), (EC) [from ¹⁵⁹Tb(¹⁶O, 5n), E=100 MeV; ¹⁶⁵Ho(¹²C, 5n), E=80 MeV; ¹⁶⁸Er(¹¹B, 5n), E=65 MeV]; measured E γ , I γ , $\gamma\gamma$ -coin, branching ratios. ^{170,172,174}Hf; deduced levels, J, π . ^{166,168,170,172,174}Hf; systematics. JOUR PRVCA 77 054304

A=171

¹⁷¹Yb 2008DE16 ATOMIC MASSES ^{96,98,99,100,101,102,104}Ru; measured absolute isotopic abundances by thermal-ionization mass spectrometry. ^{92,94,95,96,97,98,100}Mo, ^{138,139}La, ^{168,170,171,172,173,174,176}Yb, ^{180,181}Ta; compiled absolute isotopic abundances. JOUR PRVCA 77 045803

A=172

¹⁷²Tm 2008HU05 NUCLEAR REACTIONS ¹⁷⁰Er(⁷Li, n α), E=30 MeV; measured E γ , I γ , $\gamma\gamma$ -coin, lifetime of 6+ isomer, B(E1), hindrance factors for γ -transitions. ¹⁷²Tm; deduced levels, J, π , band configurations. JOUR PRVCA 77 044309

¹⁷²Yb 2008DE16 ATOMIC MASSES ^{96,98,99,100,101,102,104}Ru; measured absolute isotopic abundances by thermal-ionization mass spectrometry. ^{92,94,95,96,97,98,100}Mo, ^{138,139}La, ^{168,170,171,172,173,174,176}Yb, ^{180,181}Ta; compiled absolute isotopic abundances. JOUR PRVCA 77 045803

¹⁷²Hf 2008MC01 RADIOACTIVITY ^{170,172,174}Ta(β^+), (EC) [from ¹⁵⁹Tb(¹⁶O, 5n), E=100 MeV; ¹⁶⁵Ho(¹²C, 5n), E=80 MeV; ¹⁶⁸Er(¹¹B, 5n), E=65 MeV]; measured E γ , I γ , $\gamma\gamma$ -coin, branching ratios. ^{170,172,174}Hf; deduced levels, J, π . ^{166,168,170,172,174}Hf; systematics. JOUR PRVCA 77 054304

¹⁷²Ta 2008MC01 RADIOACTIVITY ^{170,172,174}Ta(β^+), (EC) [from ¹⁵⁹Tb(¹⁶O, 5n), E=100 MeV; ¹⁶⁵Ho(¹²C, 5n), E=80 MeV; ¹⁶⁸Er(¹¹B, 5n), E=65 MeV]; measured E γ , I γ , $\gamma\gamma$ -coin, branching ratios. ^{170,172,174}Hf; deduced levels, J, π . ^{166,168,170,172,174}Hf; systematics. JOUR PRVCA 77 054304

A=173

¹⁷³Yb 2008DE16 ATOMIC MASSES ^{96,98,99,100,101,102,104}Ru; measured absolute isotopic abundances by thermal-ionization mass spectrometry. ^{92,94,95,96,97,98,100}Mo, ^{138,139}La, ^{168,170,171,172,173,174,176}Yb, ^{180,181}Ta;

2008YA10 RADIOACTIVITY ¹⁶⁰Tb(β^-), ¹⁶⁰Er, ¹⁷³Lu, ²⁰¹Tl, ²⁰³Pb(EC), ¹⁸²Re, ²⁰⁷Bi(EC), (β^+); measured L X-ray intensity ratios following decay and photoionization. Comparison with theory and other data. JOUR PYLBB 663 186

¹⁷³Lu 2008YA10 RADIOACTIVITY ¹⁶⁰Tb(β^-), ¹⁶⁰Er, ¹⁷³Lu, ²⁰¹Tl, ²⁰³Pb(EC), ¹⁸²Re, ²⁰⁷Bi(EC), (β^+); measured L X-ray intensity ratios following decay and photoionization. Comparison with theory and other data. JOUR PYLBB 663 186

KEYNUMBERS AND KEYWORDS

A=174

- ¹⁷⁴Yb 2008DE16 ATOMIC MASSES ^{96,98,99,100,101,102,104}Ru; measured absolute isotopic abundances by thermal-ionization mass spectrometry. ^{92,94,95,96,97,98,100}Mo, ^{138,139}La, ^{168,170,171,172,173,174,176}Yb, ^{180,181}Ta; compiled absolute isotopic abundances. JOUR PRVCA 77 045803
- ¹⁷⁴Hf 2008MC01 RADIOACTIVITY ^{170,172,174}Ta(β^+), (EC) [from ¹⁵⁹Tb(¹⁶O, 5n), E=100 MeV; ¹⁶⁵Ho(¹²C, 5n), E=80 MeV; ¹⁶⁸Er(¹¹B, 5n), E=65 MeV]; measured E γ , I γ , $\gamma\gamma$ -coin, branching ratios. ^{170,172,174}Hf; deduced levels, J, π . ^{166,168,170,172,174}Hf; systematics. JOUR PRVCA 77 054304
- ¹⁷⁴Ta 2008MC01 RADIOACTIVITY ^{170,172,174}Ta(β^+), (EC) [from ¹⁵⁹Tb(¹⁶O, 5n), E=100 MeV; ¹⁶⁵Ho(¹²C, 5n), E=80 MeV; ¹⁶⁸Er(¹¹B, 5n), E=65 MeV]; measured E γ , I γ , $\gamma\gamma$ -coin, branching ratios. ^{170,172,174}Hf; deduced levels, J, π . ^{166,168,170,172,174}Hf; systematics. JOUR PRVCA 77 054304

A=175

- ¹⁷⁵Yb 2008KA15 NUCLEAR REACTIONS ¹⁷⁴Yb(n, γ), E=thermal; measured capture σ ; deduced resonance integral by activation method. Comparison with other data. JOUR NIMBE 266 2549

A=176

- ¹⁷⁶Yb 2008DE16 ATOMIC MASSES ^{96,98,99,100,101,102,104}Ru; measured absolute isotopic abundances by thermal-ionization mass spectrometry. ^{92,94,95,96,97,98,100}Mo, ^{138,139}La, ^{168,170,171,172,173,174,176}Yb, ^{180,181}Ta; compiled absolute isotopic abundances. JOUR PRVCA 77 045803

A=177

No references found

A=178

No references found

A=179

- ¹⁷⁹W 2008FA06 NUCLEAR REACTIONS ⁵¹V(n, p), E=14.1, 14.6 MeV; ⁶⁴Ni(n, α), E=13.5, 14.6 MeV; ¹⁶⁵Ho(n, α), (n, 2n), E=14.1, 14.6 MeV; ¹⁸⁰W(n, 2n), E=13.5, 14.1 MeV; ¹⁸⁶W(n, 2n), E=14.1 MeV; measured σ using activation technique. Comparison with other data. JOUR ARISE 66 1104

KEYNUMBERS AND KEYWORDS

A=180

- ¹⁸⁰Hf 2008V004 NUCLEAR REACTIONS ^{180,182}Hf(n, γ), E=thermal; measured E γ , I γ , σ , reaction rates. ^{94,96}Zr(n, γ), E=thermal; measured reaction rates. ²³Na, ³⁷Cl, ⁵⁵Mn, ¹¹⁵In, ¹⁷⁹Hf, ¹⁸²Ta(n, γ), E=thermal; measured E γ . JOUR PRVCA 77 044608
- ¹⁸⁰Ta 2008DE16 ATOMIC MASSES ^{96,98,99,100,101,102,104}Ru; measured absolute isotopic abundances by thermal-ionization mass spectrometry. ^{92,94,95,96,97,98,100}Mo, ^{138,139}La, ^{168,170,171,172,173,174,176}Yb, ^{180,181}Ta; compiled absolute isotopic abundances. JOUR PRVCA 77 045803

A=181

- ¹⁸¹Hf 2008V004 NUCLEAR REACTIONS ^{180,182}Hf(n, γ), E=thermal; measured E γ , I γ , σ , reaction rates. ^{94,96}Zr(n, γ), E=thermal; measured reaction rates. ²³Na, ³⁷Cl, ⁵⁵Mn, ¹¹⁵In, ¹⁷⁹Hf, ¹⁸²Ta(n, γ), E=thermal; measured E γ . JOUR PRVCA 77 044608
- ¹⁸¹Ta 2008DE16 ATOMIC MASSES ^{96,98,99,100,101,102,104}Ru; measured absolute isotopic abundances by thermal-ionization mass spectrometry. ^{92,94,95,96,97,98,100}Mo, ^{138,139}La, ^{168,170,171,172,173,174,176}Yb, ^{180,181}Ta; compiled absolute isotopic abundances. JOUR PRVCA 77 045803
- ¹⁸¹Re 2008KH03 NUCLEAR REACTIONS W(P, X)¹⁸¹Re / ¹⁸²Re / ¹⁸³Re / ¹⁸⁴Re / ¹⁸⁶Re, E < 40 MeV; measured E γ , I Γ , yields, and excitation functions using stacked foil activation technique. Compared results to existing data and model calculations. JOUR NIMBE 266 1021
- ¹⁸¹Tl 2008WE02 ATOMIC MASSES ^{145,147}Cs, ^{181,183,186,187,196,205}Tl, ^{197,208}Pb, ^{190,191,192,193,194,195,196,197,209,215,216}Bi, ^{203,205,229}Fr, ^{214,229,230}Ra; measured masses using the ISOLTRAP Penning trap mass spectrometer. JOUR NUPAB 803 1

A=182

- ¹⁸²Ta 2008K007 RADIOACTIVITY ¹⁸²Ta(β^-) [from ¹⁸¹Ta(n, γ), E=thermal]; measured E γ , I γ , $\beta\gamma$ -coin; deduced disintegration rate. JOUR ARISE 66 934
- ¹⁸²W 2008K007 RADIOACTIVITY ¹⁸²Ta(β^-) [from ¹⁸¹Ta(n, γ), E=thermal]; measured E γ , I γ , $\beta\gamma$ -coin; deduced disintegration rate. JOUR ARISE 66 934
- 2008YA10 RADIOACTIVITY ¹⁶⁰Tb(β^-), ¹⁶⁰Er, ¹⁷³Lu, ²⁰¹Tl, ²⁰³Pb(EC), ¹⁸²Re, ²⁰⁷Bi(EC), (β^+); measured L X-ray intensity ratios following decay and photoionization. Comparison with theory and other data. JOUR PYLBB 663 186
- ¹⁸²Re 2008KH03 NUCLEAR REACTIONS W(P, X)¹⁸¹Re / ¹⁸²Re / ¹⁸³Re / ¹⁸⁴Re / ¹⁸⁶Re, E < 40 MeV; measured E γ , I Γ , yields, and excitation functions using stacked foil activation technique. Compared results to existing data and model calculations. JOUR NIMBE 266 1021

KEYNUMBERS AND KEYWORDS

A=182 (continued)

2008YA10 RADIOACTIVITY $^{160}\text{Tb}(\beta^-)$, ^{160}Er , ^{173}Lu , ^{201}Tl , $^{203}\text{Pb}(\text{EC})$, ^{182}Re , $^{207}\text{Bi}(\text{EC})$, (β^+) ; measured L X-ray intensity ratios following decay and photoionization. Comparison with theory and other data. JOUR PYLBB 663 186

A=183

^{183}Hf 2008V004 NUCLEAR REACTIONS $^{180,182}\text{Hf}(\text{n}, \gamma)$, E=thermal; measured E_γ , I_γ , σ , reaction rates. $^{94,96}\text{Zr}(\text{n}, \gamma)$, E=thermal; measured reaction rates. ^{23}Na , ^{37}Cl , ^{55}Mn , ^{115}In , ^{179}Hf , $^{182}\text{Ta}(\text{n}, \gamma)$, E=thermal; measured E_γ . JOUR PRVCA 77 044608

2008V004 RADIOACTIVITY $^{183}\text{Hf}(\beta^-)$; measured E_γ , I_γ , absolute γ -ray intensities. JOUR PRVCA 77 044608

^{183}Ta 2008V004 NUCLEAR REACTIONS $^{180,182}\text{Hf}(\text{n}, \gamma)$, E=thermal; measured E_γ , I_γ , σ , reaction rates. $^{94,96}\text{Zr}(\text{n}, \gamma)$, E=thermal; measured reaction rates. ^{23}Na , ^{37}Cl , ^{55}Mn , ^{115}In , ^{179}Hf , $^{182}\text{Ta}(\text{n}, \gamma)$, E=thermal; measured E_γ . JOUR PRVCA 77 044608

2008V004 RADIOACTIVITY $^{183}\text{Hf}(\beta^-)$; measured E_γ , I_γ , absolute γ -ray intensities. JOUR PRVCA 77 044608

^{183}Re 2008KH03 NUCLEAR REACTIONS W(P, X) ^{181}Re / ^{182}Re / ^{183}Re / ^{184}Re / ^{186}Re , E < 40 MeV; measured E_γ , I_Γ , yields, and excitation functions using stacked foil activation technique. Compared results to existing data and model calculations. JOUR NIMBE 266 1021

^{183}Tl 2008WE02 ATOMIC MASSES $^{145,147}\text{Cs}$, $^{181,183,186,187,196,205}\text{Tl}$, $^{197,208}\text{Pb}$, $^{190,191,192,193,194,195,196,197,209,215,216}\text{Bi}$, $^{203,205,229}\text{Fr}$, $^{214,229,230}\text{Ra}$; measured masses using the ISOLTRAP Penning trap mass spectrometer. JOUR NUPAB 803 1

A=184

^{184}Re 2008KH03 NUCLEAR REACTIONS W(P, X) ^{181}Re / ^{182}Re / ^{183}Re / ^{184}Re / ^{186}Re , E < 40 MeV; measured E_γ , I_Γ , yields, and excitation functions using stacked foil activation technique. Compared results to existing data and model calculations. JOUR NIMBE 266 1021

A=185

^{185}W 2008FA06 NUCLEAR REACTIONS $^{51}\text{V}(\text{n}, \text{p})$, E=14.1, 14.6 MeV; $^{64}\text{Ni}(\text{n}, \alpha)$, E=13.5, 14.6 MeV; $^{165}\text{Ho}(\text{n}, \alpha)$, (n, 2n), E=14.1, 14.6 MeV; $^{180}\text{W}(\text{n}, 2\text{n})$, E=13.5, 14.1 MeV; $^{186}\text{W}(\text{n}, 2\text{n})$, E=14.1 MeV; measured σ using activation technique. Comparison with other data. JOUR ARISE 66 1104

^{185}Tl 2007DOZW RADIOACTIVITY $^{189}\text{Bi}(\alpha)$ [from $^{109}\text{Ag}(\text{}^{83}\text{Kr}, 3\text{n})$, E=375 MeV]; measured E_α , I_α . ^{185}Tl ; deduced levels. CONF Lisbon (PROCON 2007),Proc.P196,Dossat

KEYNUMBERS AND KEYWORDS

A=186

- ¹⁸⁶Re 2008KH03 NUCLEAR REACTIONS W(P, X)¹⁸¹Re / ¹⁸²Re / ¹⁸³Re / ¹⁸⁴Re / ¹⁸⁶Re, E < 40 MeV; measured E γ , I γ , yields, and excitation functions using stacked foil activation technique. Compared results to existing data and model calculations. JOUR NIMBE 266 1021
- ¹⁸⁶Tl 2008WE02 ATOMIC MASSES ^{145,147}Cs, ^{181,183,186,187,196,205}Tl, ^{197,208}Pb, ^{190,191,192,193,194,195,196,197,209,215,216}Bi, ^{203,205,229}Fr, ^{214,229,230}Ra; measured masses using the ISOLTRAP Penning trap mass spectrometer. JOUR NUPAB 803 1

A=187

- ¹⁸⁷W 2008SH12 NUCLEAR REACTIONS ¹⁸⁶W(¹⁸O, ¹⁷O), E=180 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁸⁷W; deduced levels, J, π , band structures and configurations. ^{16,17,18,19}O; measured ion energy losses. JOUR PRVCA 77 047303
- ¹⁸⁷Os 2008M003 NUCLEAR REACTIONS ^{186,187,188}Os(n, γ), E < 1 MeV; measured capture cross sections. Deduced Maxwellian-averaged cross sections. ¹⁸⁷Os(n, n'), E \approx 30 keV; measured inelastic scattering cross section. JOUR JPGPE 35 014015
- ¹⁸⁷Tl 2008WE02 ATOMIC MASSES ^{145,147}Cs, ^{181,183,186,187,196,205}Tl, ^{197,208}Pb, ^{190,191,192,193,194,195,196,197,209,215,216}Bi, ^{203,205,229}Fr, ^{214,229,230}Ra; measured masses using the ISOLTRAP Penning trap mass spectrometer. JOUR NUPAB 803 1

A=188

- ¹⁸⁸Os 2008M003 NUCLEAR REACTIONS ^{186,187,188}Os(n, γ), E < 1 MeV; measured capture cross sections. Deduced Maxwellian-averaged cross sections. ¹⁸⁷Os(n, n'), E \approx 30 keV; measured inelastic scattering cross section. JOUR JPGPE 35 014015
- ¹⁸⁸Pt 2008LI18 NUCLEAR REACTIONS ¹⁷⁶Yb(¹⁸O, 6n), E=88, 95 MeV; measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁸⁸Pt; deduced levels, J, π . Compared results to model calculations. JOUR CPLEE 25 1633

A=189

- ¹⁸⁹Os 2008M003 NUCLEAR REACTIONS ^{186,187,188}Os(n, γ), E < 1 MeV; measured capture cross sections. Deduced Maxwellian-averaged cross sections. ¹⁸⁷Os(n, n'), E \approx 30 keV; measured inelastic scattering cross section. JOUR JPGPE 35 014015
- ¹⁸⁹Bi 2007DOZW NUCLEAR REACTIONS ¹⁰⁹Ag(⁸³Kr, 3n), E=375 MeV; measured E γ , I γ , E α , I α , recoils, ce, $\gamma\gamma$ (t), charged particles, $\gamma\gamma$ coin, (recoil) $\alpha\gamma$ (θ). ¹⁸⁹Bi; deduced levels, T_{1/2}, band structure. CONF Lisbon (PROCON 2007),Proc.P196,Dossat

KEYNUMBERS AND KEYWORDS

A=189 (continued)

2007DOZW RADIOACTIVITY $^{189}\text{Bi}(\alpha)$ [from $^{109}\text{Ag}(^{83}\text{Kr}, 3n)$, $E=375$ MeV]; measured $E\alpha$, $I\alpha$. ^{185}Tl ; deduced levels. CONF Lisbon (PROCON 2007),Proc.P196,Dossat

A=190

^{190}Bi 2008WE02 ATOMIC MASSES $^{145,147}\text{Cs}$, $^{181,183,186,187,196,205}\text{Tl}$, $^{197,208}\text{Pb}$, $^{190,191,192,193,194,195,196,197,209,215,216}\text{Bi}$, $^{203,205,229}\text{Fr}$, $^{214,229,230}\text{Ra}$; measured masses using the ISOLTRAP Penning trap mass spectrometer. JOUR NUPAB 803 1

A=191

^{191}Pt 2008ER03 RADIOACTIVITY ^{191}Au , $\text{Pt}(\beta^+)$; measured $E\gamma$, $I\gamma$. JOUR PANUE 71 397

^{191}Au 2008ER03 NUCLEAR REACTIONS $^{197}\text{Au}(\gamma, n)$, $(\gamma, 2n)$, $(\gamma, 3n)$, $(\gamma, 4n)$, $(\gamma, 5n)$, $(\gamma, 6n)$, $E < 67.7$ MeV; measured $E\gamma$, $I\gamma$ of residual, σ integrated, yields using activation technique. JOUR PANUE 71 397

2008ER03 RADIOACTIVITY ^{191}Au , $\text{Pt}(\beta^+)$; measured $E\gamma$, $I\gamma$. JOUR PANUE 71 397

^{191}Bi 2008WE02 ATOMIC MASSES $^{145,147}\text{Cs}$, $^{181,183,186,187,196,205}\text{Tl}$, $^{197,208}\text{Pb}$, $^{190,191,192,193,194,195,196,197,209,215,216}\text{Bi}$, $^{203,205,229}\text{Fr}$, $^{214,229,230}\text{Ra}$; measured masses using the ISOLTRAP Penning trap mass spectrometer. JOUR NUPAB 803 1

A=192

^{192}Au 2008ER03 NUCLEAR REACTIONS $^{197}\text{Au}(\gamma, n)$, $(\gamma, 2n)$, $(\gamma, 3n)$, $(\gamma, 4n)$, $(\gamma, 5n)$, $(\gamma, 6n)$, $E < 67.7$ MeV; measured $E\gamma$, $I\gamma$ of residual, σ integrated, yields using activation technique. JOUR PANUE 71 397

^{192}Bi 2008WE02 ATOMIC MASSES $^{145,147}\text{Cs}$, $^{181,183,186,187,196,205}\text{Tl}$, $^{197,208}\text{Pb}$, $^{190,191,192,193,194,195,196,197,209,215,216}\text{Bi}$, $^{203,205,229}\text{Fr}$, $^{214,229,230}\text{Ra}$; measured masses using the ISOLTRAP Penning trap mass spectrometer. JOUR NUPAB 803 1

A=193

^{193}Au 2008ER03 NUCLEAR REACTIONS $^{197}\text{Au}(\gamma, n)$, $(\gamma, 2n)$, $(\gamma, 3n)$, $(\gamma, 4n)$, $(\gamma, 5n)$, $(\gamma, 6n)$, $E < 67.7$ MeV; measured $E\gamma$, $I\gamma$ of residual, σ integrated, yields using activation technique. JOUR PANUE 71 397

^{193}Bi 2008WE02 ATOMIC MASSES $^{145,147}\text{Cs}$, $^{181,183,186,187,196,205}\text{Tl}$, $^{197,208}\text{Pb}$, $^{190,191,192,193,194,195,196,197,209,215,216}\text{Bi}$, $^{203,205,229}\text{Fr}$, $^{214,229,230}\text{Ra}$; measured masses using the ISOLTRAP Penning trap mass spectrometer. JOUR NUPAB 803 1

KEYNUMBERS AND KEYWORDS

A=193 (continued)

¹⁹³Po 2008AN05 RADIOACTIVITY ^{197,197m}Rn(α); measured half-life. JOUR PRVCA 77 054303

A=194

¹⁹⁴Os 2007KUZW RADIOACTIVITY ^{198,199,202}Ir, ^{194,195,196,199,200}Os(β^-); measured correlations between implanted ions and β -decay events and half-lives. PREPRINT ArXiv:0711.0101v1 [nucl-ex]

¹⁹⁴Ir 2007KUZW RADIOACTIVITY ^{198,199,202}Ir, ^{194,195,196,199,200}Os(β^-); measured correlations between implanted ions and β -decay events and half-lives. PREPRINT ArXiv:0711.0101v1 [nucl-ex]

¹⁹⁴Au 2008ER03 NUCLEAR REACTIONS ¹⁹⁷Au(γ , n), (γ , 2n), (γ , 3n), (γ , 4n), (γ , 5n), (γ , 6n), E < 67.7 MeV; measured E γ , I γ of residual, σ integrated, yields using activation technique. JOUR PANUE 71 397

¹⁹⁴Bi 2008WE02 ATOMIC MASSES ^{145,147}Cs, ^{181,183,186,187,196,205}Tl, ^{197,208}Pb, ^{190,191,192,193,194,195,196,197,209,215,216}Bi, ^{203,205,229}Fr, ^{214,229,230}Ra; measured masses using the ISOLTRAP Penning trap mass spectrometer. JOUR NUPAB 803 1

A=195

¹⁹⁵Os 2007KUZW RADIOACTIVITY ^{198,199,202}Ir, ^{194,195,196,199,200}Os(β^-); measured correlations between implanted ions and β -decay events and half-lives. PREPRINT ArXiv:0711.0101v1 [nucl-ex]

¹⁹⁵Ir 2007KUZW RADIOACTIVITY ^{198,199,202}Ir, ^{194,195,196,199,200}Os(β^-); measured correlations between implanted ions and β -decay events and half-lives. PREPRINT ArXiv:0711.0101v1 [nucl-ex]

¹⁹⁵Au 2008ER03 NUCLEAR REACTIONS ¹⁹⁷Au(γ , n), (γ , 2n), (γ , 3n), (γ , 4n), (γ , 5n), (γ , 6n), E < 67.7 MeV; measured E γ , I γ of residual, σ integrated, yields using activation technique. JOUR PANUE 71 397

¹⁹⁵Bi 2008WE02 ATOMIC MASSES ^{145,147}Cs, ^{181,183,186,187,196,205}Tl, ^{197,208}Pb, ^{190,191,192,193,194,195,196,197,209,215,216}Bi, ^{203,205,229}Fr, ^{214,229,230}Ra; measured masses using the ISOLTRAP Penning trap mass spectrometer. JOUR NUPAB 803 1

A=196

¹⁹⁶Os 2007KUZW RADIOACTIVITY ^{198,199,202}Ir, ^{194,195,196,199,200}Os(β^-); measured correlations between implanted ions and β -decay events and half-lives. PREPRINT ArXiv:0711.0101v1 [nucl-ex]

¹⁹⁶Ir 2007KUZW RADIOACTIVITY ^{198,199,202}Ir, ^{194,195,196,199,200}Os(β^-); measured correlations between implanted ions and β -decay events and half-lives. PREPRINT ArXiv:0711.0101v1 [nucl-ex]

¹⁹⁶Au 2008ER03 NUCLEAR REACTIONS ¹⁹⁷Au(γ , n), (γ , 2n), (γ , 3n), (γ , 4n), (γ , 5n), (γ , 6n), E < 67.7 MeV; measured E γ , I γ of residual, σ integrated, yields using activation technique. JOUR PANUE 71 397

KEYNUMBERS AND KEYWORDS

A=196 (continued)

- ¹⁹⁶Tl 2008WE02 ATOMIC MASSES ^{145,147}Cs, ^{181,183,186,187,196,205}Tl, ^{197,208}Pb, ^{190,191,192,193,194,195,196,197,209,215,216}Bi, ^{203,205,229}Fr, ^{214,229,230}Ra; measured masses using the ISOLTRAP Penning trap mass spectrometer. JOUR NUPAB 803 1
- ¹⁹⁶Bi 2008WE02 ATOMIC MASSES ^{145,147}Cs, ^{181,183,186,187,196,205}Tl, ^{197,208}Pb, ^{190,191,192,193,194,195,196,197,209,215,216}Bi, ^{203,205,229}Fr, ^{214,229,230}Ra; measured masses using the ISOLTRAP Penning trap mass spectrometer. JOUR NUPAB 803 1

A=197

- ¹⁹⁷Pb 2008WE02 ATOMIC MASSES ^{145,147}Cs, ^{181,183,186,187,196,205}Tl, ^{197,208}Pb, ^{190,191,192,193,194,195,196,197,209,215,216}Bi, ^{203,205,229}Fr, ^{214,229,230}Ra; measured masses using the ISOLTRAP Penning trap mass spectrometer. JOUR NUPAB 803 1
- ¹⁹⁷Bi 2008WE02 ATOMIC MASSES ^{145,147}Cs, ^{181,183,186,187,196,205}Tl, ^{197,208}Pb, ^{190,191,192,193,194,195,196,197,209,215,216}Bi, ^{203,205,229}Fr, ^{214,229,230}Ra; measured masses using the ISOLTRAP Penning trap mass spectrometer. JOUR NUPAB 803 1
- ¹⁹⁷Rn 2008AN05 RADIOACTIVITY ^{197,197m}Rn(α); measured half-life. JOUR PRVCA 77 054303
- 2008AN05 NUCLEAR REACTIONS ^{118,122}Sn(⁸²Kr, 3n), E=362 MeV; ¹²⁰Sn(⁸²Kr, 3n), E=355 MeV; ¹⁵⁰Sm, ¹⁵²Sm(⁵²Cr, 3n), E=231 MeV; measured E γ , I γ , E γ , $\gamma\gamma$ -, $\gamma\alpha$ -coin. Recoil- α -decay tagging method. ^{197,199,201}Rn; deduced levels, J, π , band configurations. ^{111,125}Rn, ^{106,126}Po; systematics. JOUR PRVCA 77 054303

A=198

- ¹⁹⁸Ir 2007KUZW RADIOACTIVITY ^{198,199,202}Ir, ^{194,195,196,199,200}Os(β^-); measured correlations between implanted ions and β -decay events and half-lives. PREPRINT ArXiv:0711.0101v1 [nucl-ex]
- ¹⁹⁸Pt 2007KUZW RADIOACTIVITY ^{198,199,202}Ir, ^{194,195,196,199,200}Os(β^-); measured correlations between implanted ions and β -decay events and half-lives. PREPRINT ArXiv:0711.0101v1 [nucl-ex]
- ¹⁹⁸Au 2008KU09 RADIOACTIVITY ⁷Be(EC); ¹⁹⁸Au(β^-); measured dependence of decay rate on temperature. Be in Cu host, Au in Al-Au alloy. No evidence found for temperature dependence on half-life. JOUR PRVCA 77 051304
- ¹⁹⁸Hg 2008KU09 RADIOACTIVITY ⁷Be(EC); ¹⁹⁸Au(β^-); measured dependence of decay rate on temperature. Be in Cu host, Au in Al-Au alloy. No evidence found for temperature dependence on half-life. JOUR PRVCA 77 051304

KEYNUMBERS AND KEYWORDS

A=199

^{199}Os	2007KUZW	RADIOACTIVITY $^{198,199,202}\text{Ir}$, $^{194,195,196,199,200}\text{Os}(\beta^-)$; measured correlations between implanted ions and β -decay events and half-lives. PREPRINT ArXiv:0711.0101v1 [nucl-ex]
^{199}Ir	2007KUZW	RADIOACTIVITY $^{198,199,202}\text{Ir}$, $^{194,195,196,199,200}\text{Os}(\beta^-)$; measured correlations between implanted ions and β -decay events and half-lives. PREPRINT ArXiv:0711.0101v1 [nucl-ex]
^{199}Pt	2007KUZW	RADIOACTIVITY $^{198,199,202}\text{Ir}$, $^{194,195,196,199,200}\text{Os}(\beta^-)$; measured correlations between implanted ions and β -decay events and half-lives. PREPRINT ArXiv:0711.0101v1 [nucl-ex]
^{199}Rn	2008AN05	NUCLEAR REACTIONS $^{118,122}\text{Sn}(\text{}^{82}\text{Kr}, 3\text{n})$, E=362 MeV; $^{120}\text{Sn}(\text{}^{82}\text{Kr}, 3\text{n})$, E=355 MeV; ^{150}Sm , $^{152}\text{Sm}(\text{}^{52}\text{Cr}, 3\text{n})$, E=231 MeV; measured $E\gamma$, $I\gamma$, $E\gamma$, $\gamma\gamma$ -, $\gamma\alpha$ -coin. Recoil- α -decay tagging method. $^{197,199,201}\text{Rn}$; deduced levels, J, π , band configurations. $^{111-125}\text{Rn}$, $^{106-126}\text{Po}$; systematics. JOUR PRVCA 77 054303

A=200

^{200}Os	2007KUZW	RADIOACTIVITY $^{198,199,202}\text{Ir}$, $^{194,195,196,199,200}\text{Os}(\beta^-)$; measured correlations between implanted ions and β -decay events and half-lives. PREPRINT ArXiv:0711.0101v1 [nucl-ex]
^{200}Ir	2007KUZW	RADIOACTIVITY $^{198,199,202}\text{Ir}$, $^{194,195,196,199,200}\text{Os}(\beta^-)$; measured correlations between implanted ions and β -decay events and half-lives. PREPRINT ArXiv:0711.0101v1 [nucl-ex]

A=201

^{201}Hg	2008YA10	RADIOACTIVITY $^{160}\text{Tb}(\beta^-)$, ^{160}Er , ^{173}Lu , ^{201}Tl , $^{203}\text{Pb}(\text{EC})$, ^{182}Re , $^{207}\text{Bi}(\text{EC})$, (β^+); measured L X-ray intensity ratios following decay and photoionization. Comparison with theory and other data. JOUR PYLBB 663 186
^{201}Tl	2008YA10	RADIOACTIVITY $^{160}\text{Tb}(\beta^-)$, ^{160}Er , ^{173}Lu , ^{201}Tl , $^{203}\text{Pb}(\text{EC})$, ^{182}Re , $^{207}\text{Bi}(\text{EC})$, (β^+); measured L X-ray intensity ratios following decay and photoionization. Comparison with theory and other data. JOUR PYLBB 663 186
^{201}Rn	2008AN05	NUCLEAR REACTIONS $^{118,122}\text{Sn}(\text{}^{82}\text{Kr}, 3\text{n})$, E=362 MeV; $^{120}\text{Sn}(\text{}^{82}\text{Kr}, 3\text{n})$, E=355 MeV; ^{150}Sm , $^{152}\text{Sm}(\text{}^{52}\text{Cr}, 3\text{n})$, E=231 MeV; measured $E\gamma$, $I\gamma$, $E\gamma$, $\gamma\gamma$ -, $\gamma\alpha$ -coin. Recoil- α -decay tagging method. $^{197,199,201}\text{Rn}$; deduced levels, J, π , band configurations. $^{111-125}\text{Rn}$, $^{106-126}\text{Po}$; systematics. JOUR PRVCA 77 054303

A=202

^{202}Ir	2007KUZW	RADIOACTIVITY $^{198,199,202}\text{Ir}$, $^{194,195,196,199,200}\text{Os}(\beta^-)$; measured correlations between implanted ions and β -decay events and half-lives. PREPRINT ArXiv:0711.0101v1 [nucl-ex]
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KEYNUMBERS AND KEYWORDS

A=202 (continued)

²⁰²Pt 2007KUZW RADIOACTIVITY ^{198,199,202}Ir, ^{194,195,196,199,200}Os(β^-); measured correlations between implanted ions and β -decay events and half-lives. PREPRINT ArXiv:0711.0101v1 [nucl-ex]

A=203

²⁰³Tl 2008YA10 RADIOACTIVITY ¹⁶⁰Tb(β^-), ¹⁶⁰Er, ¹⁷³Lu, ²⁰¹Tl, ²⁰³Pb(EC), ¹⁸²Re, ²⁰⁷Bi(EC), (β^+); measured L X-ray intensity ratios following decay and photoionization. Comparison with theory and other data. JOUR PYLBB 663 186

²⁰³Pb 2008YA10 RADIOACTIVITY ¹⁶⁰Tb(β^-), ¹⁶⁰Er, ¹⁷³Lu, ²⁰¹Tl, ²⁰³Pb(EC), ¹⁸²Re, ²⁰⁷Bi(EC), (β^+); measured L X-ray intensity ratios following decay and photoionization. Comparison with theory and other data. JOUR PYLBB 663 186

²⁰³Fr 2008WE02 ATOMIC MASSES ^{145,147}Cs, ^{181,183,186,187,196,205}Tl, ^{197,208}Pb, ^{190,191,192,193,194,195,196,197,209,215,216}Bi, ^{203,205,229}Fr, ^{214,229,230}Ra; measured masses using the ISOLTRAP Penning trap mass spectrometer. JOUR NUPAB 803 1

A=204

No references found

A=205

²⁰⁵Tl 2008WE02 ATOMIC MASSES ^{145,147}Cs, ^{181,183,186,187,196,205}Tl, ^{197,208}Pb, ^{190,191,192,193,194,195,196,197,209,215,216}Bi, ^{203,205,229}Fr, ^{214,229,230}Ra; measured masses using the ISOLTRAP Penning trap mass spectrometer. JOUR NUPAB 803 1

²⁰⁵Po 2008HA12 NUCLEAR REACTIONS ¹⁷⁴Yb(⁴⁰Ar, 5n), E=192 MeV; measured half-life, α -spectra, E γ , I γ , $\gamma\gamma$ -, $\gamma\alpha$ -coin, conversion electrons. ²⁰⁹Ra; deduced levels, J, π , configurations. ^{205,207}Po, ^{207,209}Rn, ²¹¹Ra; systematics. JOUR PRVCA 77 047305

²⁰⁵Fr 2008WE02 ATOMIC MASSES ^{145,147}Cs, ^{181,183,186,187,196,205}Tl, ^{197,208}Pb, ^{190,191,192,193,194,195,196,197,209,215,216}Bi, ^{203,205,229}Fr, ^{214,229,230}Ra; measured masses using the ISOLTRAP Penning trap mass spectrometer. JOUR NUPAB 803 1

A=206

No references found

KEYNUMBERS AND KEYWORDS

A=207

^{207}Pb	2008D005	NUCLEAR REACTIONS $^{206}\text{Pb}(n, \gamma)$, $E=0.001-1000$ keV; measured $E\gamma$, $I\gamma$, capture cross sections. Deduced maxwellian averaged sections. JOUR JPGPE 35 014020
	2008YA10	RADIOACTIVITY $^{160}\text{Tb}(\beta^-)$, ^{160}Er , ^{173}Lu , ^{201}Tl , $^{203}\text{Pb}(\text{EC})$, ^{182}Re , $^{207}\text{Bi}(\text{EC})$, (β^+) ; measured L X-ray intensity ratios following decay and photoionization. Comparison with theory and other data. JOUR PYLBB 663 186
^{207}Bi	2008YA10	RADIOACTIVITY $^{160}\text{Tb}(\beta^-)$, ^{160}Er , ^{173}Lu , ^{201}Tl , $^{203}\text{Pb}(\text{EC})$, ^{182}Re , $^{207}\text{Bi}(\text{EC})$, (β^+) ; measured L X-ray intensity ratios following decay and photoionization. Comparison with theory and other data. JOUR PYLBB 663 186
^{207}Po	2008HA12	NUCLEAR REACTIONS $^{174}\text{Yb}(^{40}\text{Ar}, 5n)$, $E=192$ MeV; measured half-life, α -spectra, $E\gamma$, $I\gamma$, $\gamma\gamma$ -, $\gamma\alpha$ -coin, conversion electrons. ^{209}Ra ; deduced levels, J , π , configurations. $^{205,207}\text{Po}$, $^{207,209}\text{Rn}$, ^{211}Ra ; systematics. JOUR PRVCA 77 047305
^{207}Rn	2008HA12	NUCLEAR REACTIONS $^{174}\text{Yb}(^{40}\text{Ar}, 5n)$, $E=192$ MeV; measured half-life, α -spectra, $E\gamma$, $I\gamma$, $\gamma\gamma$ -, $\gamma\alpha$ -coin, conversion electrons. ^{209}Ra ; deduced levels, J , π , configurations. $^{205,207}\text{Po}$, $^{207,209}\text{Rn}$, ^{211}Ra ; systematics. JOUR PRVCA 77 047305

A=208

^{208}Pb	2007Y0ZW	NUCLEAR REACTIONS $^{208}\text{Pb}(^{23}\text{Al}, p^{22}\text{Mg})^{208}\text{Pb}$, $E=50$ MeV / nucleon; $\text{Pb}(^{27}\text{P}, p^{26}\text{Si})\text{Pb}$, $E=57$ MeV / nucleon; measured E_p , I_p , $p(\theta)$, charged products, $\sigma(\theta)$. ^{22}Mg ; deduced levels. ^{26}Si ; deduced levels. CONF Lisbon (PROCON 2007), Proc.P246, Yoneda
	2008GA10	NUCLEAR REACTIONS $^9\text{Be}(^{36}\text{Ar}, X)^{19}\text{F} / ^{20}\text{Ne} / ^{21}\text{Na} / ^{22}\text{Mg} / ^{23}\text{Al}$, $E=130$ MeV / nucleon; measured energy loss, intensities for reaction products. $^9\text{Be}(^{24}\text{Si}, X)^{23}\text{Al} / ^{23}\text{Si}$, $E=85.3$ MeV / nucleon; measured single-particle cross sections, momentum distributions, spectroscopic factors. $^9\text{Be}(^{28}\text{S}, X)^{27}\text{P}$, $E=80.7$ MeV / nucleon; measured $E\gamma$, $I\gamma$. $^9\text{Be}(^{28}\text{S}, X)^{27}\text{P} / ^{27}\text{S}$, $E=80.7$ MeV / nucleon; measured single particle cross sections, spectroscopic factors, momentum distributions. ^7Li , ^8B , $^{9,12,15}\text{C}$, ^{16}O , $^{32,34,36}\text{Ar}$, $^{24,30}\text{Si}$, $^{26,28}\text{S}$, ^{31}P , $^{40,48}\text{Ca}$, ^{51}V , ^{90}Zr , ^{208}Pb ; systematics of cross sections. JOUR PRVCA 77 044306
	2008SA09	NUCLEAR REACTIONS $^{208}\text{Pb}(^6\text{He}, ^6\text{He})$, $E=14, 16, 18, 22$ MeV; measured $\sigma(\theta)$. Comparison with optical model calculations, including Coulomb dipole polarizability and dispersion relations. JOUR NUPAB 803 30
	2008WE02	ATOMIC MASSES $^{145,147}\text{Cs}$, $^{181,183,186,187,196,205}\text{Tl}$, $^{197,208}\text{Pb}$, $^{190,191,192,193,194,195,196,197,209,215,216}\text{Bi}$, $^{203,205,229}\text{Fr}$, $^{214,229,230}\text{Ra}$; measured masses using the ISOLTRAP Penning trap mass spectrometer. JOUR NUPAB 803 1

KEYNUMBERS AND KEYWORDS

A=209

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|-------------------|----------|--|
| ^{209}Bi | 2008WE02 | ATOMIC MASSES $^{145,147}\text{Cs}$, $^{181,183,186,187,196,205}\text{Tl}$, $^{197,208}\text{Pb}$, $^{190,191,192,193,194,195,196,197,209,215,216}\text{Bi}$, $^{203,205,229}\text{Fr}$, $^{214,229,230}\text{Ra}$;
measured masses using the ISOLTRAP Penning trap mass spectrometer. JOUR NUPAB 803 1 |
| ^{209}Rn | 2008HA12 | NUCLEAR REACTIONS $^{174}\text{Yb}(^{40}\text{Ar}, 5\text{n})$, E=192 MeV; measured half-life, α -spectra, $E\gamma$, $I\gamma$, $\gamma\gamma$ -, $\gamma\alpha$ -coin, conversion electrons. ^{209}Ra ; deduced levels, J, π , configurations. $^{205,207}\text{Po}$, $^{207,209}\text{Rn}$, ^{211}Ra ;
systematics. JOUR PRVCA 77 047305 |
| | 2008TA11 | RADIOACTIVITY $^{209}\text{Fr}(\text{EC})$ [from $^{197}\text{Au}(^{16}\text{O}, 4\text{n})$, E=91 MeV]; measured $E\gamma$, $I\gamma$, spin exchange polarization, quadrupole-dominated wall relaxation rate, dependence of γ -ray anisotropies on temperature. JOUR PRVCA 77 052501 |
| ^{209}Fr | 2008TA11 | RADIOACTIVITY $^{209}\text{Fr}(\text{EC})$ [from $^{197}\text{Au}(^{16}\text{O}, 4\text{n})$, E=91 MeV]; measured $E\gamma$, $I\gamma$, spin exchange polarization, quadrupole-dominated wall relaxation rate, dependence of γ -ray anisotropies on temperature. JOUR PRVCA 77 052501 |
| ^{209}Ra | 2008HA12 | NUCLEAR REACTIONS $^{174}\text{Yb}(^{40}\text{Ar}, 5\text{n})$, E=192 MeV; measured half-life, α -spectra, $E\gamma$, $I\gamma$, $\gamma\gamma$ -, $\gamma\alpha$ -coin, conversion electrons. ^{209}Ra ; deduced levels, J, π , configurations. $^{205,207}\text{Po}$, $^{207,209}\text{Rn}$, ^{211}Ra ;
systematics. JOUR PRVCA 77 047305 |

A=210

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|-------------------|----------|---|
| ^{210}Pb | 2008GI03 | RADIOACTIVITY $^{214}\text{Po}(\alpha)$; measured $E\alpha$, $I\alpha$, $E\gamma$, $I\gamma$, $\alpha\gamma$ -coin; deduced bremsstrahlung emission probability vs $E\gamma$, K-shell ionization probabilities. Comparison with quantum-mechanical model. JOUR ZAANE 36 31 |
| ^{210}Po | 2008DR03 | NUCLEAR REACTIONS $^{204}\text{Hg}(^{13}\text{C}, 3\text{n}\alpha)$ E=88 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, $\gamma(\theta)$, half-lives. ^{210}Po ; deduced levels, J, π , configurations. Comparison with shell-model calculations. JOUR PRVCA 77 034308 |

A=211

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|-------------------|----------|--|
| ^{211}Ra | 2008HA12 | NUCLEAR REACTIONS $^{174}\text{Yb}(^{40}\text{Ar}, 5\text{n})$, E=192 MeV; measured half-life, α -spectra, $E\gamma$, $I\gamma$, $\gamma\gamma$ -, $\gamma\alpha$ -coin, conversion electrons. ^{209}Ra ; deduced levels, J, π , configurations. $^{205,207}\text{Po}$, $^{207,209}\text{Rn}$, ^{211}Ra ;
systematics. JOUR PRVCA 77 047305 |
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A=212

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|-------------------|----------|--|
| ^{212}Rn | 2008DR01 | NUCLEAR REACTIONS $^{204}\text{Hg}(^{13}\text{C}, 5\text{n})$, E=88 MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin; deduced multiplicities. ^{212}Rn ; measured level half-lives; deduced high-spin levels, J, π , configurations. Comparison with semi-empirical shell model. JOUR PYLBB 662 19 |
|-------------------|----------|--|

KEYNUMBERS AND KEYWORDS

A=213

No references found

A=214

- ^{214}Po 2008GI03 RADIOACTIVITY $^{214}\text{Po}(\alpha)$; measured $E\alpha$, $I\alpha$, $E\gamma$, $I\gamma$, $\alpha\gamma$ -coin; deduced bremsstrahlung emission probability vs $E\gamma$, K-shell ionization probabilities. Comparison with quantum-mechanical model. JOUR ZAANE 36 31
- ^{214}Ra 2008WE02 ATOMIC MASSES $^{145,147}\text{Cs}$, $^{181,183,186,187,196,205}\text{Tl}$, $^{197,208}\text{Pb}$, $^{190,191,192,193,194,195,196,197,209,215,216}\text{Bi}$, $^{203,205,229}\text{Fr}$, $^{214,229,230}\text{Ra}$; measured masses using the ISOLTRAP Penning trap mass spectrometer. JOUR NUPAB 803 1

A=215

- ^{215}Bi 2008WE02 ATOMIC MASSES $^{145,147}\text{Cs}$, $^{181,183,186,187,196,205}\text{Tl}$, $^{197,208}\text{Pb}$, $^{190,191,192,193,194,195,196,197,209,215,216}\text{Bi}$, $^{203,205,229}\text{Fr}$, $^{214,229,230}\text{Ra}$; measured masses using the ISOLTRAP Penning trap mass spectrometer. JOUR NUPAB 803 1

A=216

- ^{216}Bi 2008WE02 ATOMIC MASSES $^{145,147}\text{Cs}$, $^{181,183,186,187,196,205}\text{Tl}$, $^{197,208}\text{Pb}$, $^{190,191,192,193,194,195,196,197,209,215,216}\text{Bi}$, $^{203,205,229}\text{Fr}$, $^{214,229,230}\text{Ra}$; measured masses using the ISOLTRAP Penning trap mass spectrometer. JOUR NUPAB 803 1

A=217

No references found

A=218

No references found

A=219

No references found

A=220

No references found

KEYNUMBERS AND KEYWORDS

A=221

No references found

A=222

No references found

A=223

No references found

A=224

No references found

A=225

No references found

A=226

No references found

A=227

No references found

A=228

No references found

A=229

²²⁹ Fr	2008WE02	ATOMIC MASSES ^{145,147} Cs, ^{181,183,186,187,196,205} Tl, ^{197,208} Pb, ^{190,191,192,193,194,195,196,197,209,215,216} Bi, ^{203,205,229} Fr, ^{214,229,230} Ra; measured masses using the ISOLTRAP Penning trap mass spectrometer. JOUR NUPAB 803 1
²²⁹ Ra	2008WE02	ATOMIC MASSES ^{145,147} Cs, ^{181,183,186,187,196,205} Tl, ^{197,208} Pb, ^{190,191,192,193,194,195,196,197,209,215,216} Bi, ^{203,205,229} Fr, ^{214,229,230} Ra; measured masses using the ISOLTRAP Penning trap mass spectrometer. JOUR NUPAB 803 1

KEYNUMBERS AND KEYWORDS

A=230

²³⁰Ra 2008WE02 ATOMIC MASSES ^{145,147}Cs, ^{181,183,186,187,196,205}Tl, ^{197,208}Pb, ^{190,191,192,193,194,195,196,197,209,215,216}Bi, ^{203,205,229}Fr, ^{214,229,230}Ra; measured masses using the ISOLTRAP Penning trap mass spectrometer. JOUR NUPAB 803 1

A=231

No references found

A=232

No references found

A=233

²³³Pa 2008DE10 RADIOACTIVITY ²³⁷Np(α); measured E α , I α , X-ray spectra, E γ , I γ . JOUR ARISE 66 668
2008DE10 RADIOACTIVITY ²³³Pa(β^-); measured X-ray spectra, E γ , I γ . JOUR ARISE 66 668
²³³U 2008DE10 RADIOACTIVITY ²³³Pa(β^-); measured X-ray spectra, E γ , I γ . JOUR ARISE 66 668

A=234

No references found

A=235

No references found

A=236

No references found

A=237

²³⁷Np 2008DE10 RADIOACTIVITY ²³⁷Np(α); measured E α , I α , X-ray spectra, E γ , I γ . JOUR ARISE 66 668
2008LE07 RADIOACTIVITY ²⁴¹Am(α); measured E γ , I γ , E(X-ray), I(X-ray); deduced L X-ray emission probabilities. JOUR ARISE 66 715

KEYNUMBERS AND KEYWORDS

A=238

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|-------------------|----------|---|
| ^{238}Np | 2008ES01 | NUCLEAR REACTIONS $^{237}\text{Np}(n, \gamma)$, $E=0.02\text{-}500$ keV; measured σ , neutron flux, $E\gamma$, $I\gamma$, time-of-flight spectra, α -spectra. DANCE array. Comparisons with Hauser-Feshbach-Moldauer calculations. JOUR PRVCA 77 034309 |
| ^{238}Pu | 2007WAZV | NUCLEAR REACTIONS $^{130}\text{Te}(^{37}\text{Cl}, 4n)$, $E=170$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, lifetimes by Doppler-shift method. ^{163}Tm ; deduced high-spin levels, J , π , triaxial superdeformed bands, $B(M1) / B(E2)$, transition quadrupole moments, potential energy surface calculations. $^{240,242}\text{Pu}(^{208}\text{Pb}, ^{208}\text{Pb}')$, $^{239}\text{Pu}(^{207}\text{Pb}, ^{208}\text{Pb})$, $E=1300$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, $\gamma(\theta)$ in 'unsafe' Coulomb excitation for $^{240,242}\text{Pu}$ and single-neutron transfer for ^{238}Pu . $^{238,240,242}\text{Pu}$; deduced high-spin levels, J , π , A_2 , A_4 . THESIS X Wang, Notre Dame, Indiana |

A=239

No references found

A=240

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|-------------------|----------|---|
| ^{240}Pu | 2007WAZV | NUCLEAR REACTIONS $^{130}\text{Te}(^{37}\text{Cl}, 4n)$, $E=170$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, lifetimes by Doppler-shift method. ^{163}Tm ; deduced high-spin levels, J , π , triaxial superdeformed bands, $B(M1) / B(E2)$, transition quadrupole moments, potential energy surface calculations. $^{240,242}\text{Pu}(^{208}\text{Pb}, ^{208}\text{Pb}')$, $^{239}\text{Pu}(^{207}\text{Pb}, ^{208}\text{Pb})$, $E=1300$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin, $\gamma(\theta)$ in 'unsafe' Coulomb excitation for $^{240,242}\text{Pu}$ and single-neutron transfer for ^{238}Pu . $^{238,240,242}\text{Pu}$; deduced high-spin levels, J , π , A_2 , A_4 . THESIS X Wang, Notre Dame, Indiana |
| ^{240}Am | 2008T006 | NUCLEAR REACTIONS $^{241}\text{Am}(n, 2n)$, $E=7.6\text{-}14.5$ MeV; measured $E\gamma$, $I\gamma$, neutron time-of-flight spectra, σ , excitation functions. Comparison with evaluated data in ENDF / B-VII and JENDL-3.3. JOUR PRVCA 77 054610 |

A=241

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|-------------------|----------|--|
| ^{241}Pu | 2008ZH10 | RADIOACTIVITY ^{241}Pu , ^{241}Am ; measured $E\gamma$, $E\alpha$, $^{241}\text{Pu} / ^{241}\text{Am}$ activity ratio. HPGe detectors, Ion-implanted Si charged particle detector. Thermal ionization mass spectrometry. JOUR RAACA 96 327 |
| ^{241}Am | 2008LE07 | RADIOACTIVITY $^{241}\text{Am}(\alpha)$; measured $E\gamma$, $I\gamma$, $E(\text{X-ray})$, $I(\text{X-ray})$; deduced L X-ray emission probabilities. JOUR ARISE 66 715 |
| | 2008ZH10 | RADIOACTIVITY ^{241}Pu , ^{241}Am ; measured $E\gamma$, $E\alpha$, $^{241}\text{Pu} / ^{241}\text{Am}$ activity ratio. HPGe detectors, Ion-implanted Si charged particle detector. Thermal ionization mass spectrometry. JOUR RAACA 96 327 |

A=242

²⁴²Pu 2007WAZV NUCLEAR REACTIONS ¹³⁰Te(³⁷Cl, 4n), E=170 MeV; measured E γ , I γ , $\gamma\gamma$ -coin, lifetimes by Doppler-shift method. ¹⁶³Tm; deduced high-spin levels, J, π , triaxial superdeformed bands, B(M1) / B(E2), transition quadrupole moments, potential energy surface calculations. ^{240,242}Pu(²⁰⁸Pb, ²⁰⁸Pb'), ²³⁹Pu(²⁰⁷Pb, ²⁰⁸Pb), E=1300 MeV; measured E γ , I γ , $\gamma\gamma$ -coin, $\gamma(\theta)$ in 'unsafe' Coulomb excitation for ^{240,242}Pu and single-neutron transfer for ²³⁸Pu. ^{238,240,242}Pu; deduced high-spin levels, J, π , A₂, A₄. THESIS X Wang, Notre Dame, Indiana

A=243

No references found

A=244

No references found

A=245

No references found

A=246

No references found

A=247

No references found

A=248

No references found

A=249

²⁴⁹Bk 2008GU05 RADIOACTIVITY ²⁵³Es(α); measured E α , I α , E γ , I γ , half-life for source implanted in an Iron foil at low temperatures. JOUR BRSPE 72 315

A=250

- ²⁵⁰Bk 2008AH02 NUCLEAR REACTIONS ²⁴⁹Bk(d, p), E=12.0 MeV; measured proton spectra, $\sigma(\theta)$. ²⁵⁰Bk; deduced levels, J, π . JOUR PRVCA 77 054302
- 2008AH02 RADIOACTIVITY ²⁵⁴Es(α); measured E α , I α , E γ , I γ , ce, ICC, $\gamma\alpha$ -coin. ²⁵⁰Bk; deduced levels, J, π , hindrance factors, γ -multipolarities, band configurations. JOUR PRVCA 77 054302
- ²⁵⁰Fm 2008GA08 RADIOACTIVITY ²⁵⁸Rf(α) [from ²³⁸U(²⁶Mg, 6n), E=4.9-6.0 MeV / nucleon]; ²⁵⁹Rf(EC) [from ²³⁸U(²⁶Mg, 5n), E=4.9-6.0 MeV / nucleon]; ²⁶⁰Rf(α), (SF) [from ²³⁸U(²⁶Mg, 4n), E=4.9-6.0 MeV / nucleon]; ²⁶¹Rf(α), (SF) [from ²³⁸U(²⁶Mg, 3n), E=4.9-6.0 MeV / nucleon]; ²⁵⁴No(α); measured α spectra, Q-values, charged particle spectra. ^{242,244,246,248,250,252,254,256,258}Fm, ^{248,250,252,254,256}No, ^{250,252,254,256}Rf, ^{252,254,256,258,260}Sg; systematics. JOUR PRVCA 77 034603

A=251

No references found

A=252

- ²⁵²Cf 2008DI11 RADIOACTIVITY ²⁵²Cf(SF); measured E γ , I γ , $\gamma\gamma$ -coin. ¹⁰⁹Ru; deduced levels, J, π , band configurations. Total Routhian surface calculations. JOUR PRVCA 77 057302

A=253

- ²⁵³Es 2008GU05 RADIOACTIVITY ²⁵³Es(α); measured E α , I α , E γ , I γ , half-life for source implanted in an Iron foil at low temperatures. JOUR BRSPE 72 315

A=254

- ²⁵⁴Es 2008AH02 RADIOACTIVITY ²⁵⁴Es(α); measured E α , I α , E γ , I γ , ce, ICC, $\gamma\alpha$ -coin. ²⁵⁰Bk; deduced levels, J, π , hindrance factors, γ -multipolarities, band configurations. JOUR PRVCA 77 054302
- ²⁵⁴No 2008GA08 RADIOACTIVITY ²⁵⁸Rf(α) [from ²³⁸U(²⁶Mg, 6n), E=4.9-6.0 MeV / nucleon]; ²⁵⁹Rf(EC) [from ²³⁸U(²⁶Mg, 5n), E=4.9-6.0 MeV / nucleon]; ²⁶⁰Rf(α), (SF) [from ²³⁸U(²⁶Mg, 4n), E=4.9-6.0 MeV / nucleon]; ²⁶¹Rf(α), (SF) [from ²³⁸U(²⁶Mg, 3n), E=4.9-6.0 MeV / nucleon]; ²⁵⁴No(α); measured α spectra, Q-values, charged particle spectra. ^{242,244,246,248,250,252,254,256,258}Fm, ^{248,250,252,254,256}No, ^{250,252,254,256}Rf, ^{252,254,256,258,260}Sg; systematics. JOUR PRVCA 77 034603

A=255

No references found

A=256

²⁵⁶No 2008GA08 RADIOACTIVITY ²⁵⁸Rf(α) [from ²³⁸U(²⁶Mg, 6n), E=4.9-6.0 MeV / nucleon]; ²⁵⁹Rf(EC) [from ²³⁸U(²⁶Mg, 5n), E=4.9-6.0 MeV / nucleon]; ²⁶⁰Rf(α), (SF) [from ²³⁸U(²⁶Mg, 4n), E=4.9-6.0 MeV / nucleon]; ²⁶¹Rf(α), (SF) [from ²³⁸U(²⁶Mg, 3n), E=4.9-6.0 MeV / nucleon]; ²⁵⁴No(α); measured α spectra, Q-values, charged particle spectra. ^{242,244,246,248,250,252,254,256,258}Fm, ^{248,250,252,254,256}No, ^{250,252,254,256}Rf, ^{252,254,256,258,260}Sg; systematics. JOUR PRVCA 77 034603

A=257

²⁵⁷No 2008GA08 RADIOACTIVITY ²⁵⁸Rf(α) [from ²³⁸U(²⁶Mg, 6n), E=4.9-6.0 MeV / nucleon]; ²⁵⁹Rf(EC) [from ²³⁸U(²⁶Mg, 5n), E=4.9-6.0 MeV / nucleon]; ²⁶⁰Rf(α), (SF) [from ²³⁸U(²⁶Mg, 4n), E=4.9-6.0 MeV / nucleon]; ²⁶¹Rf(α), (SF) [from ²³⁸U(²⁶Mg, 3n), E=4.9-6.0 MeV / nucleon]; ²⁵⁴No(α); measured α spectra, Q-values, charged particle spectra. ^{242,244,246,248,250,252,254,256,258}Fm, ^{248,250,252,254,256}No, ^{250,252,254,256}Rf, ^{252,254,256,258,260}Sg; systematics. JOUR PRVCA 77 034603

A=258

²⁵⁸Rf 2008GA08 NUCLEAR REACTIONS ²³⁸U(²⁶Mg, 3n), (²⁶Mg, 4n), (²⁶Mg, 5n), (²⁶Mg, 6n), E=4.9-6.0 MeV / nucleon; measured excitation functions, σ , half-lives, cross sections. JOUR PRVCA 77 034603

2008GA08 RADIOACTIVITY ²⁵⁸Rf(α) [from ²³⁸U(²⁶Mg, 6n), E=4.9-6.0 MeV / nucleon]; ²⁵⁹Rf(EC) [from ²³⁸U(²⁶Mg, 5n), E=4.9-6.0 MeV / nucleon]; ²⁶⁰Rf(α), (SF) [from ²³⁸U(²⁶Mg, 4n), E=4.9-6.0 MeV / nucleon]; ²⁶¹Rf(α), (SF) [from ²³⁸U(²⁶Mg, 3n), E=4.9-6.0 MeV / nucleon]; ²⁵⁴No(α); measured α spectra, Q-values, charged particle spectra. ^{242,244,246,248,250,252,254,256,258}Fm, ^{248,250,252,254,256}No, ^{250,252,254,256}Rf, ^{252,254,256,258,260}Sg; systematics. JOUR PRVCA 77 034603

A=259

- ²⁵⁹Lr 2008GA08 RADIOACTIVITY ²⁵⁸Rf(α) [from ²³⁸U(²⁶Mg, 6n), E=4.9-6.0 MeV / nucleon]; ²⁵⁹Rf(EC) [from ²³⁸U(²⁶Mg, 5n), E=4.9-6.0 MeV / nucleon]; ²⁶⁰Rf(α), (SF) [from ²³⁸U(²⁶Mg, 4n), E=4.9-6.0 MeV / nucleon]; ²⁶¹Rf(α), (SF) [from ²³⁸U(²⁶Mg, 3n), E=4.9-6.0 MeV / nucleon]; ²⁵⁴No(α); measured α spectra, Q-values, charged particle spectra.^{242,244,246,248,250,252,254,256,258}Fm, ^{248,250,252,254,256}No, ^{250,252,254,256}Rf, ^{252,254,256,258,260}Sg; systematics. JOUR PRVCA 77 034603
- ²⁵⁹Rf 2008GA08 NUCLEAR REACTIONS ²³⁸U(²⁶Mg, 3n), (²⁶Mg, 4n), (²⁶Mg, 5n), (²⁶Mg, 6n), E=4.9-6.0 MeV / nucleon; measured excitation functions, σ , half-lives, cross sections. JOUR PRVCA 77 034603
- 2008GA08 RADIOACTIVITY ²⁵⁸Rf(α) [from ²³⁸U(²⁶Mg, 6n), E=4.9-6.0 MeV / nucleon]; ²⁵⁹Rf(EC) [from ²³⁸U(²⁶Mg, 5n), E=4.9-6.0 MeV / nucleon]; ²⁶⁰Rf(α), (SF) [from ²³⁸U(²⁶Mg, 4n), E=4.9-6.0 MeV / nucleon]; ²⁶¹Rf(α), (SF) [from ²³⁸U(²⁶Mg, 3n), E=4.9-6.0 MeV / nucleon]; ²⁵⁴No(α); measured α spectra, Q-values, charged particle spectra.^{242,244,246,248,250,252,254,256,258}Fm, ^{248,250,252,254,256}No, ^{250,252,254,256}Rf, ^{252,254,256,258,260}Sg; systematics. JOUR PRVCA 77 034603

A=260

- ²⁶⁰Rf 2008GA08 NUCLEAR REACTIONS ²³⁸U(²⁶Mg, 3n), (²⁶Mg, 4n), (²⁶Mg, 5n), (²⁶Mg, 6n), E=4.9-6.0 MeV / nucleon; measured excitation functions, σ , half-lives, cross sections. JOUR PRVCA 77 034603
- 2008GA08 RADIOACTIVITY ²⁵⁸Rf(α) [from ²³⁸U(²⁶Mg, 6n), E=4.9-6.0 MeV / nucleon]; ²⁵⁹Rf(EC) [from ²³⁸U(²⁶Mg, 5n), E=4.9-6.0 MeV / nucleon]; ²⁶⁰Rf(α), (SF) [from ²³⁸U(²⁶Mg, 4n), E=4.9-6.0 MeV / nucleon]; ²⁶¹Rf(α), (SF) [from ²³⁸U(²⁶Mg, 3n), E=4.9-6.0 MeV / nucleon]; ²⁵⁴No(α); measured α spectra, Q-values, charged particle spectra.^{242,244,246,248,250,252,254,256,258}Fm, ^{248,250,252,254,256}No, ^{250,252,254,256}Rf, ^{252,254,256,258,260}Sg; systematics. JOUR PRVCA 77 034603

A=261

- ²⁶¹Rf 2008GA08 NUCLEAR REACTIONS ²³⁸U(²⁶Mg, 3n), (²⁶Mg, 4n), (²⁶Mg, 5n), (²⁶Mg, 6n), E=4.9-6.0 MeV / nucleon; measured excitation functions, σ , half-lives, cross sections. JOUR PRVCA 77 034603
- 2008GA08 RADIOACTIVITY ²⁵⁸Rf(α) [from ²³⁸U(²⁶Mg, 6n), E=4.9-6.0 MeV / nucleon]; ²⁵⁹Rf(EC) [from ²³⁸U(²⁶Mg, 5n), E=4.9-6.0 MeV / nucleon]; ²⁶⁰Rf(α), (SF) [from ²³⁸U(²⁶Mg, 4n), E=4.9-6.0 MeV / nucleon]; ²⁶¹Rf(α), (SF) [from ²³⁸U(²⁶Mg, 3n), E=4.9-6.0 MeV / nucleon]; ²⁵⁴No(α); measured α spectra, Q-values, charged particle spectra.^{242,244,246,248,250,252,254,256,258}Fm, ^{248,250,252,254,256}No, ^{250,252,254,256}Rf, ^{252,254,256,258,260}Sg; systematics. JOUR PRVCA 77 034603

KEYNUMBERS AND KEYWORDS

A=262

No references found

A=263

No references found

A=264

No references found

A=265

No references found

A=266

No references found

A=267

No references found

A=268

No references found

A=269

²⁶⁹ Hs	2008DV02	NUCLEAR REACTIONS ²⁴⁸ Cm(²⁶ Mg, xn) ²⁶⁹ Hs / ²⁷⁰ Hs / ²⁷¹ Hs, E=13-15 MeV; measured production σ . ²⁷¹ Hs; deduced T _{1/2} . JOUR PRLTA 100 132503
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A=270

²⁷⁰ Hs	2008DV02	NUCLEAR REACTIONS ²⁴⁸ Cm(²⁶ Mg, xn) ²⁶⁹ Hs / ²⁷⁰ Hs / ²⁷¹ Hs, E=13-15 MeV; measured production σ . ²⁷¹ Hs; deduced T _{1/2} . JOUR PRLTA 100 132503
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KEYNUMBERS AND KEYWORDS

A=271

²⁷¹Hs 2008DV02 NUCLEAR REACTIONS ²⁴⁸Cm(²⁶Mg, xn)²⁶⁹Hs / ²⁷⁰Hs / ²⁷¹Hs,
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