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This document lists experimental references added to Nuclear Science References (NSR) during the period July 1, 2007 to September 30, 2007. 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

A=1

^{1}n	2007BE38	NUCLEAR REACTIONS ^{3}He(γ, 2pn), (γ, 2p), (γ, pd);^{4}He(γ, pt), (γ, 2d), E=0.35-1.5 GeV; measured σ(E, θ). Comparison with model predictions. JOUR NUPAB 790 167c
	2007MA60	NUCLEAR REACTIONS ^{2}H(polarized p, 2p), E=190 MeV; measured $\sigma(\theta)$, vector analyzing powers. Comparison with calculations using 3N forces. JOUR NUPAB 790 426c
	2007SA39	NUCLEAR REACTIONS ^{2}H(p, p), (p, 2p), E=13 MeV; measured Ep, pp-coin, $\sigma(\theta)$; calculated $\sigma(\theta)$. Watson-Migdal-Faddeev model. JOUR NUPAB 790 348c
	2007SE11	NUCLEAR REACTIONS ^{1}H(polarized d, 2p), E=270 MeV; measured vector and tensor analyzing powers. Comparison with Faddeev calculations. JOUR NUPAB 790 450c
	2007TU04	NUCLEAR REACTIONS ^{2}H(p, 2p), E=5, 6 MeV; measured Ep, Ip, σ(E, θ). Plane wave impulse approximation, Trojan horse method. JOUR NUPAB 787 337c
^{1}H	2007CA35	NUCLEAR REACTIONS ^{1}H(^{36}Si, ^{36}Si'), E < 140 MeV / nucleon; ^{1}H(^{38}Si, ^{38}Si'), E < 140 MeV / nucleon; ^{1}H(^{40}Si, ^{40}Si'), E < 140 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coinc, inelastic proton scattering cross sections. ^{36,38,40}Si deduced quadrupole deformation parameters. JOUR PYLBB 652 169
	2007CH50	NUCLEAR REACTIONS ^{1}H(e, e'), (e^{+}, e^{+}'), E(cm)=318 MeV; measured D* production $\sigma(Q^{2})$. Comparison with other data and next-to-leading-order QCD calculations. JOUR PYLBB 649 111
	2007GI08	NUCLEAR REACTIONS ^{1}H(^{8}He, ^{8}He), (^{8}He, d), (^{8}He, t), E=15.7, 61.3 MeV / nucleon; analyzed $\sigma(\theta)$. Coupled reaction channel calculations, DWBA analysis. ^{2}H(^{26}Ne, p), E=9.7 MeV / nucleon; measured fragment yield, Eγ, Iγ, (particle)γ-coin. ^{27}Ne deduced levels, J, π. Exogam array, Vamos spectrometer. JOUR NUPAB 787 423c
	2007KA38	NUCLEAR REACTIONS ^{2}H(polarized p, p), E=108, 120, 135, 150, 170, 190 MeV; measured σ(E, θ), analyzing powers. ^{1}H(polarized d, d), E=180 MeV; measured $\sigma(\theta)$, analyzing powers. ^{1}H(polarized d, np), E=130 MeV; measured σ(E, θ). Comparison with calculations. Faddeev model using 2N and 3N potentials. JOUR NUPAB 790 69c
	2007PA26	NUCLEAR REACTIONS ^{1}H(p, p'), E=1.30, 1.36, 1.45 GeV; measured Ep, Ip, three-pion production σ, pp missing mass distributions. Comparison with other data and statistical model calculations. JOUR PYLBB 649 122
	2007SA38	NUCLEAR REACTIONS ^{1}H(d, d), E(cm)=135 MeV / nucleon; analyzed $\sigma(\theta)$. ^{1}H(polarized d, γ), E(cm)=135 MeV / nucleon; measured analyzing powers. Comparison with calculations. Faddeev model using 2N and 3N potentials. JOUR NUPAB 790 122c

A=2

^{2}n	2007SIZY	NUCLEAR REACTIONS ^{4}He(^{6}He, 2α), E=25 MeV / nucleon; measured Eα, En, and two neutron momentum distributions. CONF Khanty-Mansiysk (Exotic Nuclei) Proc, P43
^{2}H	2007DE31	NUCLEAR REACTIONS ^{2}H(p, p), E=1.9-3.0 MeV; measured elastic scattering σ at backward angles. JOUR NIMBE 261 405
	2007KA38	NUCLEAR REACTIONS ^{2}H(polarized p, p), E=108, 120, 135, 150, 170, 190 MeV; measured σ(E, θ), analyzing powers. ^{1}H(polarized d, d), E=180 MeV; measured $\sigma(\theta)$, analyzing powers. ^{1}H(polarized d, np), E=130 MeV; measured σ(E, θ). Comparison with calculations. Faddeev model using 2N and 3N potentials. JOUR NUPAB 790 69c
	2007MA46	NUCLEAR REACTIONS ^{2}H(n, n), E=248 MeV; measured En, σ and vector analyzing power. JOUR PRVCA 76 014004
	2007MA61	NUCLEAR REACTIONS ^{2}H(polarized n, n), E=250 MeV; measured $\sigma(\theta)$, vector analyzing powers. Comparison with Faddeev calculations using 3N forces and other data. JOUR NUPAB 790 430c
	2007MI31	NUCLEAR REACTIONS ^{2}H(d, pn), E=270 MeV; measured combined proton, neutron energy spectrum at 0°; deduced three and four-body breakup. Plane wave impulse approximation. JOUR NUPAB 790 442c
	2007SA39	NUCLEAR REACTIONS ^{2}H(p, p), (p, 2p), E=13 MeV; measured Ep, pp-coin, $\sigma(\theta)$; calculated $\sigma(\theta)$. Watson-Migdal-Faddeev model. JOUR NUPAB 790 348c

A=3

^{3}H	2007MI25	NUCLEAR REACTIONS ^{4}He(^{22}O, ^{23}Fγ), (^{23}F, ^{23}Fγ), (^{24}F, ^{23}Fγ), (^{25}Ne, ^{23}Fγ), E≈35 MeV / nucleon; measured Eγ, Iγ, $\gamma\gamma$-coin; deduced reaction σ. ^{4}He(^{22}O, ^{23}Fγ), E=35 MeV / nucleon; measured $\sigma(\theta)$. ^{23}F deduced levels, J, π, configurations. Comparison with DWBA and shell model predictions. JOUR NUPAB 787 569c
	2007NAZW	NUCLEAR REACTIONS ^{4}He(γ, X), E < 50 MeV; ^{12}C(α, γ), E(cm)=1.4-1.6 MeV; ^{2}H, ^{62}Ni(n, γ), E= low; measured cross sections. CONF Tokai-mura (Nuclear Data) Proc,PIII.01,Nagai
^{3}He	2007JAZZ	NUCLEAR REACTIONS ^{2}H(d, n), E=270 MeV; measured angular dependence of the vector and tensor analyzing powers. Compared results to model calculations. PREPRINT arXiv.0706.3568v1 [nucl-ex]
	2007ME16	NUCLEAR REACTIONS ^{2}H(p, γ), E=190 MeV; measured $\sigma(\theta)$. ^{1}H(polarized d, γ), E=55, 66.5, 90 MeV / nucleon; measured Eγ, (particle)γ-coin, vector and tensor analyzing powers. Comparison with model predictions, Faddeev calculations using 3N forces. JOUR NUPAB 790 434c
	2007SA38	NUCLEAR REACTIONS ^{1}H(d, d), E(cm)=135 MeV / nucleon; analyzed $\sigma(\theta)$. ^{1}H(polarized d, γ), E(cm)=135 MeV / nucleon; measured analyzing powers. Comparison with calculations. Faddeev model using 2N and 3N potentials. JOUR NUPAB 790 122c
	2007SC31	NUCLEAR REACTIONS ^{2}H(p, X)^{3}He, E=1360, 1450 MeV; measured missing mass spectra; deduced possible ω production. JOUR NUPAB 790 319c

A=3 ***(continued)***

	2007TA23	NUCLEAR REACTIONS ^{1}H(polarized d, γ), E=137 MeV; measured tensor analyzing powers. Comparison with meson exchange current calculations and other data. JOUR NUPAB 790 446c

A=4

^{4}n	2007FOZY	NUCLEAR REACTIONS ^{2}H(^{8}He, p), (^{8}He, α), (^{8}He, ^{6}Li), E=15.3 MeV / nucleon; measured charged particle energies and yields. CONF Khanty-Mansiysk (Exotic Nuclei) Proc, P3
^{4}H	2007NA18	NUCLEAR REACTIONS ^{4}He(^{7}Li, ^{7}Be), E=455 MeV; measured σ and angular distributions. deduced E1 photodisintegration cross section. JOUR PRVCA 76 021305
^{4}He	2007MI25	NUCLEAR REACTIONS ^{4}He(^{22}O, ^{23}Fγ), (^{23}F, ^{23}Fγ), (^{24}F, ^{23}Fγ), (^{25}Ne, ^{23}Fγ), E≈35 MeV / nucleon; measured Eγ, Iγ, $\gamma\gamma$-coin; deduced reaction σ. ^{4}He(^{22}O, ^{23}Fγ), E=35 MeV / nucleon; measured $\sigma(\theta)$. ^{23}F deduced levels, J, π, configurations. Comparison with DWBA and shell model predictions. JOUR NUPAB 787 569c
	2007OS03	NUCLEAR REACTIONS ^{9}Be(^{13}C, α^{14}C), E=89.45 MeV; measured particle energies and coincidences. ^{8}Be deduced levels. JOUR UKPJA 52 525

A=5

^{5}He	2007MI25	NUCLEAR REACTIONS ^{4}He(^{22}O, ^{23}Fγ), (^{23}F, ^{23}Fγ), (^{24}F, ^{23}Fγ), (^{25}Ne, ^{23}Fγ), E≈35 MeV / nucleon; measured Eγ, Iγ, $\gamma\gamma$-coin; deduced reaction σ. ^{4}He(^{22}O, ^{23}Fγ), E=35 MeV / nucleon; measured $\sigma(\theta)$. ^{23}F deduced levels, J, π, configurations. Comparison with DWBA and shell model predictions. JOUR NUPAB 787 569c

A=6

^{6}H	2007FO05	NUCLEAR REACTIONS ^{6,7}Li, ^{9}Be, ^{12}C(π^{+}, π^{-}), (π^{-}, π^{+}), E=120-270 MeV; measured double differential inclusive pion double charge exchange cross sections. Compared results to model calculations. JOUR PRVCA 75 064605
	2007FOZY	NUCLEAR REACTIONS ^{2}H(^{8}He, p), (^{8}He, α), (^{8}He, ^{6}Li), E=15.3 MeV / nucleon; measured charged particle energies and yields. CONF Khanty-Mansiysk (Exotic Nuclei) Proc, P3
^{6}He	2007GI08	NUCLEAR REACTIONS ^{1}H(^{8}He, ^{8}He), (^{8}He, d), (^{8}He, t), E=15.7, 61.3 MeV / nucleon; analyzed $\sigma(\theta)$. Coupled reaction channel calculations, DWBA analysis. ^{2}H(^{26}Ne, p), E=9.7 MeV / nucleon; measured fragment yield, Eγ, Iγ, (particle)γ-coin. ^{27}Ne deduced levels, J, π. Exogam array, Vamos spectrometer. JOUR NUPAB 787 423c

A=6 *(continued)*

^{6}Li	2007MI25	NUCLEAR REACTIONS ^{4}He(^{22}O, ^{23}Fγ), (^{23}F, ^{23}Fγ), (^{24}F, ^{23}Fγ), (^{25}Ne, ^{23}Fγ), E≈35 MeV / nucleon; measured Eγ, Iγ, $\gamma\gamma$-coin; deduced reaction σ. ^{4}He(^{22}O, ^{23}Fγ), E=35 MeV / nucleon; measured $\sigma(\theta)$. ^{23}F deduced levels, J, π, configurations. Comparison with DWBA and shell model predictions. JOUR NUPAB 787 569c
^{6}B	2007FO05	NUCLEAR REACTIONS ^{6,7}Li, ^{9}Be, ^{12}C(π^+, π^-), (π^-, π^+), E=120-270 MeV; measured double differential inclusive pion double charge exchange cross sections. Compared results to model calculations. JOUR PRVCA 75 064605

A=7

^{7}H	2007CA28	NUCLEAR REACTIONS ^{12}C(^{8}He, p), E=154 MeV / nucleon; measured particle energies and excitation energy distributions. ^{7}H deduced resonance energies. JOUR PRLTA 99 062502
	2007FO05	NUCLEAR REACTIONS ^{6,7}Li, ^{9}Be, ^{12}C(π^+, π^-), (π^-, π^+), E=120-270 MeV; measured double differential inclusive pion double charge exchange cross sections. Compared results to model calculations. JOUR PRVCA 75 064605
	2007GOZY	NUCLEAR REACTIONS ^{2}H(^{8}He, p), (^{8}He, ^{3}He), E not given; measured cross sections. CONF Khanty-Mansiysk (Exotic Nuclei) Proc, P32
^{7}He	2007GI08	NUCLEAR REACTIONS ^{1}H(^{8}He, ^{8}He), (^{8}He, d), (^{8}He, t), E=15.7, 61.3 MeV / nucleon; analyzed $\sigma(\theta)$. Coupled reaction channel calculations, DWBA analysis. ^{2}H(^{26}Ne, p), E=9.7 MeV / nucleon; measured fragment yield, Eγ, Iγ, (particle)γ-coin. ^{27}Ne deduced levels, J, π. Exogam array, Vamos spectrometer. JOUR NUPAB 787 423c
	2007TA25	NUCLEAR REACTIONS ^{7}Li, ^{12}C, ^{28}Si(e, e'K$^+$), E not given; measured missing mass spectra. ^{7}He, ^{12}B, ^{28}Al deduced hypernucleus levels. JOUR NUPAB 790 679c
^{7}Be	2007AG08	NUCLEAR REACTIONS ^{7}Li(K$^+$, K^0), E at rest; measured π^+, π^- invariant mass spectra; deduced threshold σ upper limit. JOUR PYLBB 649 25
	2007CO17	NUCLEAR REACTIONS ^{3}He(α, γ), E=220, 250, 400 keV; measured Eγ, Iγ. Deduced cross section and S-factor. JOUR PRVCA 75 065803
	2007KA33	NUCLEAR REACTIONS N, O, Ar(p, X)^{7}Be / ^{11}C / ^{13}N / ^{15}O / ^{18}F / ^{22}Na / ^{24}Na / ^{27}Mg / ^{29}Al / ^{38}S / ^{38}Cl / ^{39}Cl, E=12 GeV; measured radionuclide yields. JOUR JRNCD 273 507
	2007LA25	NUCLEAR REACTIONS ^{2}H(^{10}B, nα), E=27 MeV; measured Eα, Iα, σ; deduced astrophysical S-factor. Trojan horse method, three-body process. JOUR NUPAB 787 309c
	2007SI19	NUCLEAR REACTIONS C(n, X)^{7}Be, Si(n, X)^{22,24}Na, ^{27}Al(n, X), ^{197}Au(n, X)^{194,196}Au, E=70-160 MeV; measured Eγ, Iγ following stacked foil activation. Deduced cross sections. JOUR NIMBE 261 993
^{7}B	2007FO05	NUCLEAR REACTIONS ^{6,7}Li, ^{9}Be, ^{12}C(π^+, π^-), (π^-, π^+), E=120-270 MeV; measured double differential inclusive pion double charge exchange cross sections. Compared results to model calculations. JOUR PRVCA 75 064605

A=8

^{8}He	2007GO24	NUCLEAR REACTIONS ^{2}H(^{8}He, p), E=25 MeV / nucleon; measured particle energy and missing mass spectra. ^{8}He deduced levels, J, π. JOUR PRVCA 76 021605
^{8}Li	2007VI11	NUCLEAR REACTIONS ^{12}C(^{48}Ca, X)^{8}Li / ^{9}Li / ^{25}Na / ^{26}Na / ^{27}Na / ^{29}Al / ^{37}K / ^{47}K, E=60 MeV / nucleon; measured yield. JOUR NUPAB 787 126c
^{8}Be	2007OS03	NUCLEAR REACTIONS ^{9}Be(^{13}C, α^{14}C), E=89.45 MeV; measured particle energies and coincidences. ^{8}Be deduced levels. JOUR UKPJA 52 525

A=9

^{9}He	2007FO05	NUCLEAR REACTIONS ^{6,7}Li, ^{9}Be, ^{12}C(π^{+}, π^{-}), (π^{-}, π^{+}), E=120-270 MeV; measured double differential inclusive pion double charge exchange cross sections. Compared results to model calculations. JOUR PRVCA 75 064605
	2007FOZY	NUCLEAR REACTIONS ^{2}H(^{8}He, p), (^{8}He, α), (^{8}He, ^{6}Li), E=15.3 MeV / nucleon; measured charged particle energies and yields. CONF Khanty-Mansiysk (Exotic Nuclei) Proc, P3
	2007GO24	NUCLEAR REACTIONS ^{2}H(^{8}He, p), E=25 MeV / nucleon; measured particle energy and missing mass spectra. ^{8}He deduced levels, J, π. JOUR PRVCA 76 021605
	2007GOZY	NUCLEAR REACTIONS ^{2}H(^{8}He, p), (^{8}He, ^{3}He), E not given; measured cross sections. CONF Khanty-Mansiysk (Exotic Nuclei) Proc, P32
^{9}Li	2007VI11	NUCLEAR REACTIONS ^{12}C(^{48}Ca, X)^{8}Li / ^{9}Li / ^{25}Na / ^{26}Na / ^{27}Na / ^{29}Al / ^{37}K / ^{47}K, E=60 MeV / nucleon; measured yield. JOUR NUPAB 787 126c
^{9}B	2007AR21	NUCLEAR REACTIONS ^{1}H(^{9}Be, n), E=1.2 GeV / nucleon; measured transverse momentum and pair angle distributions for the α particle pair. JOUR PANUE 70 1222
^{9}C	2007FO05	NUCLEAR REACTIONS ^{6,7}Li, ^{9}Be, ^{12}C(π^{+}, π^{-}), (π^{-}, π^{+}), E=120-270 MeV; measured double differential inclusive pion double charge exchange cross sections. Compared results to model calculations. JOUR PRVCA 75 064605
	2007ST17	NUCLEAR REACTIONS ^{1}H(^{10}B, 2n), E=1.2 GeV / nucleon; measured transverse momentum distribution of protons produced in the fragmentatation of ^{8}B. JOUR PANUE 70 1216

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^{10}Be	2007BO27	NUCLEAR REACTIONS ^{12}C(^{12}C, ^{14}O), E=211.4 MeV; measured $\sigma(\theta, E)$. ^{10}Be deduced levels, J, π. Coupled channel calculations. JOUR NUPAB 787 451c

A=11

^{11}B	2007DE28	NUCLEAR REACTIONS ^{12}C(d, ^{2}He), (d, n^{2}He), E=171 MeV; measured En, Ep, pp-coin, pn-coin, excitation energy spectra, σ(E, θ), tensor analysing powers. ^{11}B deduced giant resonance features. JOUR PYLBB 649 35
	2007FU07	NUCLEAR REACTIONS ^{12}C(π^+, K$^+$), (π^+, K$^+$p), E at 1.05 GeV / c; measured Eγ, Iγ from $^{12}_{\Lambda}$C, $^{11}_{\lambda}$B decays. Deduced Λ-N interaction parameters. JOUR CPLEE 24 2216
	2007ZI03	NUCLEAR REACTIONS ^{12}C(^{17}O, ^{18}F)^{11}B, E=45 MeV / nucleon; measured Eγ, Iγ. ^{18}F deduced B(E1), B(E2). JOUR NIMAE 579 476
^{11}C	2007GA34	NUCLEAR REACTIONS ^{9}Be(^{38}Si, ^{36}Mg), E=83 MeV / nucleon; measured Eγ, Iγ. ^{36}Mg deduced level energy. Compared results to model calculations. JOUR PRLTA 99 072502
	2007KA33	NUCLEAR REACTIONS N, O, Ar(p, X)^{7}Be / ^{11}C / ^{13}N / ^{15}O / ^{18}F / ^{22}Na / ^{24}Na / ^{27}Mg / ^{29}Al / ^{38}S / ^{38}Cl / ^{39}Cl, E=12 GeV; measured radionuclide yields. JOUR JRNCD 273 507

A=12

^{12}Be	2007FO05	NUCLEAR REACTIONS ^{6,7}Li, ^{9}Be, ^{12}C(π^+, π^-), (π^-, π^+), E=120-270 MeV; measured double differential inclusive pion double charge exchange cross sections. Compared results to model calculations. JOUR PRVCA 75 064605
^{12}B	2007DE28	NUCLEAR REACTIONS ^{12}C(d, ^{2}He), (d, n^{2}He), E=171 MeV; measured En, Ep, pp-coin, pn-coin, excitation energy spectra, σ(E, θ), tensor analysing powers. ^{11}B deduced giant resonance features. JOUR PYLBB 649 35
	2007IO02	NUCLEAR REACTIONS ^{12}C(e, e'K$^+$), E=3.77 GeV; measured cross sections. $^{12}_{\Lambda}$B deduced level energies. JOUR PRLTA 99 052501
	2007TA25	NUCLEAR REACTIONS ^{7}Li, ^{12}C, ^{28}Si(e, e'K$^+$), E not given; measured missing mass spectra. ^{7}He, ^{12}B, ^{28}Al deduced hypernucleus levels. JOUR NUPAB 790 679c
^{12}C	2007FU07	NUCLEAR REACTIONS ^{12}C(π^+, K$^+$), (π^+, K$^+$p), E at 1.05 GeV / c; measured Eγ, Iγ from $^{12}_{\Lambda}$C, $^{11}_{\lambda}$B decays. Deduced Λ-N interaction parameters. JOUR CPLEE 24 2216
	2007MA58	NUCLEAR REACTIONS ^{27}Al, ^{127}I, ^{206,207,208}Pb(n, n'γ), E not give; ^{10}B(α, pγ), E=2.27 MeV; ^{9}Be(α, nγ), E=2.27 MeV; measured yields. JOUR PRVCA 76 022801
	2007PA33	NUCLEAR REACTIONS ^{12}C(^{7}Li, ^{7}Li), E=7.5, 9, 12, 15 MeV; measured elastic σ(θ); deduced optical model parameters. ^{12}C(^{7}Li, αX), E=7.5, 9, 12, 15 MeV; measured Eα and σ(θ); analyzed fusion and direct σ. Comparison with previous data and model calculations. JOUR NUPAB 792 187
^{12}N	2007WAZY	NUCLEAR REACTIONS ^{12}C(p, n), E=296 MeV; measured cross section and polarization observables. Compared results to model calculations. PREPRINT ArXiv:0708.2813v1 [nucl-ex]
	2007ZEZZ	NUCLEAR REACTIONS ^{12,13}C, ^{18}O, ^{26}Mg, ^{58}Ni, ^{60}Ni, ^{90}Zr, ^{118}Sn, ^{208}Pb(^{3}He, t), E=420 MeV; measured triton spectra and cross sections. Deduced B(GT). PREPRINT arXiv:0707.2840v1 [nucl-ex]

A=12 *(continued)*

^{12}O	2007FO05	NUCLEAR REACTIONS ^{6,7}Li, ^{9}Be, ^{12}C(π^+, π^-), (π^-, π^+), E=120-270 MeV; measured double differential inclusive pion double charge exchange cross sections. Compared results to model calculations. JOUR PRVCA 75 064605

A=13

^{13}C	2007MA58	NUCLEAR REACTIONS ^{27}Al, ^{127}I, ^{206,207,208}Pb(n, n'γ), E not give; ^{10}B(α, pγ), E=2.27 MeV; ^{9}Be(α, nγ), E=2.27 MeV; measured yields. JOUR PRVCA 76 022801
^{13}N	2007KA33	NUCLEAR REACTIONS N, O, Ar(p, X)^{7}Be / ^{11}C / ^{13}N / ^{15}O / ^{18}F / ^{22}Na / ^{24}Na / ^{27}Mg / ^{29}Al / ^{38}S / ^{38}Cl / ^{39}Cl, E=12 GeV; measured radionuclide yields. JOUR JRNCD 273 507
	2007ZEZZ	NUCLEAR REACTIONS ^{12,13}C, ^{18}O, ^{26}Mg, ^{58}Ni, ^{60}Ni, ^{90}Zr, ^{118}Sn, ^{208}Pb(^{3}He, t), E=420 MeV; measured triton spectra and cross sections. Deduced B(GT). PREPRINT arXiv:0707.2840v1 [nucl-ex]

A=14

^{14}N	2007MO20	NUCLEAR REACTIONS ^{1}H(^{17}O, α)^{14}N, E=3.3 MeV; measured resonance energy and strength. Discussed astrophysical implications. JOUR PRVCA 75 065801

A=15

^{15}N	2007RO17	NUCLEAR REACTIONS ^{12}N(^{7}Li, α), E=34 MeV; measured Eα, cross sections, angular distributions and analyzing powers. ^{15}N deduced levels, J, π. JOUR NIMBE 261 1005
^{15}O	2007KA33	NUCLEAR REACTIONS N, O, Ar(p, X)^{7}Be / ^{11}C / ^{13}N / ^{15}O / ^{18}F / ^{22}Na / ^{24}Na / ^{27}Mg / ^{29}Al / ^{38}S / ^{38}Cl / ^{39}Cl, E=12 GeV; measured radionuclide yields. JOUR JRNCD 273 507
	2007LE26	NUCLEAR REACTIONS ^{1}H(^{15}O, p), E=120 MeV; measured excitation function. ^{16}F deduced level widths. JOUR PRVCA 76 024314
	2007RO17	NUCLEAR REACTIONS ^{12}N(^{7}Li, α), E=34 MeV; measured Eα, cross sections, angular distributions and analyzing powers. ^{15}N deduced levels, J, π. JOUR NIMBE 261 1005
	2007TRZX	NUCLEAR REACTIONS ^{14}N(p, γ), E=360, 380, 400 keV; measured Eγ, Iγ. Deduced s-factor. PREPRINT ArXiv:0708.3376v1 [nucl-ex]

A=16

^{16}N	2007FR11	RADIOACTIVITY ^{16}N(β^-); measured delayed α spectrum. Compared results to existing data. JOUR PRVCA 75 065802

A=16 *(continued)*

	2007RE17	RADIOACTIVITY ^{16}N(β^-) [from ^{2}H(^{15}N, ^{16}N), E=82 MeV]; measured Eα, Iα, (particle)α-coin; deduced astrophysical S-factor. JOUR NUPAB 787 289c
^{16}O	2007BE45	NUCLEAR REACTIONS ^{12}C(^{6}Li, d), E=48.2 MeV; measured Ed, $\sigma(\theta)$ to first eleven states of ^{16}O; deduced level energies, widths, spectroscopic factors. DWBA analysis. ^{12}C(α, γ), E(cm)$\approx$ 0-3 MeV; analyzed σ; deduced resonance parameters. R-Matrix calculations. Astrophysical implications discussed. JOUR NUPAB 793 178
	2007FR11	RADIOACTIVITY ^{16}N(β^-); measured delayed α spectrum. Compared results to existing data. JOUR PRVCA 75 065802
	2007FU09	NUCLEAR REACTIONS ^{4}He(^{14}O, X)^{16}O, E=32.7 MeV; measured yields and excitation function. JOUR PRVCA 76 021603
	2007NAZW	NUCLEAR REACTIONS ^{4}He(γ, X), E < 50 MeV; ^{12}C(α, γ), E(cm)=1.4-1.6 MeV; ^{2}H, ^{62}Ni(n, γ), E= low; measured cross sections. CONF Tokai-mura (Nuclear Data) Proc,PIII.01,Nagai
	2007RE17	RADIOACTIVITY ^{16}N(β^-) [from ^{2}H(^{15}N, ^{16}N), E=82 MeV]; measured Eα, Iα, (particle)α-coin; deduced astrophysical S-factor. JOUR NUPAB 787 289c
^{16}F	2007LE26	NUCLEAR REACTIONS ^{1}H(^{15}O, p), E=120 MeV; measured excitation function. ^{16}F deduced level widths. JOUR PRVCA 76 024314

A=17

No references found

A=18

^{18}F	2007GR18	RADIOACTIVITY ^{18}Ne(β^+); measured β-delayed γ-decays, $T_{1/2}$. JOUR PRVCA 76 025503
	2007KA33	NUCLEAR REACTIONS N, O, Ar(p, X)^{7}Be / ^{11}C / ^{13}N / ^{15}O / ^{18}F / ^{22}Na / ^{24}Na / ^{27}Mg / ^{29}Al / ^{38}S / ^{38}Cl / ^{39}Cl, E=12 GeV; measured radionuclide yields. JOUR JRNCD 273 507
	2007ZEZZ	NUCLEAR REACTIONS ^{12,13}C, ^{18}O, ^{26}Mg, ^{58}Ni, ^{60}Ni, ^{90}Zr, ^{118}Sn, ^{208}Pb(^{3}He, t), E=420 MeV; measured triton spectra and cross sections. Deduced B(GT). PREPRINT arXiv:0707.2840v1 [nucl-ex]
	2007ZI03	NUCLEAR REACTIONS ^{12}C(^{17}O, ^{18}F)^{11}B, E=45 MeV / nucleon; measured Eγ, Iγ. ^{18}F deduced B(E1), B(E2). JOUR NIMAE 579 476
^{18}Ne	2007GR18	RADIOACTIVITY ^{18}Ne(β^+); measured β-delayed γ-decays, $T_{1/2}$. JOUR PRVCA 76 025503

A=19

^{19}N	2007CA28	NUCLEAR REACTIONS ^{12}C(^{8}He, p), E=154 MeV / nucleon; measured particle energies and excitation energy distributions. ^{7}H deduced resonance energies. JOUR PRLTA 99 062502

A=20

^{20}F	2007WI09	RADIOACTIVITY ^{20}F(β^-); measured Eβ, Eγ, Eα. Deduced first forbidden decay branching ratios. JOUR PRVCA 76 018501
^{20}Ne	2007WI09	RADIOACTIVITY ^{20}F(β^-); measured Eβ, Eγ, Eα. Deduced first forbidden decay branching ratios. JOUR PRVCA 76 018501
^{20}Mg	2007GA38	NUCLEAR REACTIONS ^{9}B(^{22}Mg, X)^{20}Mg, E=150 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coinc. ^{20}Mg deduced level energy and mass excess. JOUR PRVCA 76 024317

A=21

No references found

A=22

^{22}Na	2007KA33	NUCLEAR REACTIONS N, O, Ar(p, X)^{7}Be / ^{11}C / ^{13}N / ^{15}O / ^{18}F / ^{22}Na / ^{24}Na / ^{27}Mg / ^{29}Al / ^{38}S / ^{38}Cl / ^{39}Cl, E=12 GeV; measured radionuclide yields. JOUR JRNCD 273 507
^{22}Mg	2007GR11	NUCLEAR REACTIONS ^{1}H(^{21}Na, γ), E=1.18 MeV / nucleon; measured Eγ, Iγ, yields. ^{1}H(^{7}Be, X), E=4-27 MeV; measured elastic and inelastic scattering σ. JOUR NIMBE 261 1089
	2007JE03	NUCLEAR REACTIONS ^{12}C(^{12}C, 2n), E=50 MeV; measured Eγ, Iγ. ^{22}Mg deduced level energies. JOUR NIMBE 261 945

A=23

^{23}N	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{23}O	2007FRZW	NUCLEAR REACTIONS Be(^{26}Ne, n2p)^{23}O, E=86 MeV / nucleon; measured decay energy spectra. PREPRINT ArXiv:0708.2706v1 [nucl-ex]
	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
	2007SC32	NUCLEAR REACTIONS Be(^{26}Ne, n2p), E=86 MeV / nucleon; measured neutron decay energy spectrum, fragment-neutron-coinc. ^{23}O deduced level energy, spectroscopic factor. JOUR PRLTA 99 112501
^{23}F	2007MI25	NUCLEAR REACTIONS ^{4}He(^{22}O, ^{23}Fγ), (^{23}F, ^{23}Fγ), (^{24}F, ^{23}Fγ), (^{25}Ne, ^{23}Fγ), E$\approx$35 MeV / nucleon; measured Eγ, Iγ, $\gamma\gamma$-coin; deduced reaction σ. ^{4}He(^{22}O, ^{23}Fγ), E=35 MeV / nucleon; measured $\sigma(\theta)$. ^{23}F deduced levels, J, π, configurations. Comparison with DWBA and shell model predictions. JOUR NUPAB 787 569c

A=24

^{24}O	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{24}Na	2007CO18	NUCLEAR REACTIONS ^{25}Mg(γ, p), E not given; measured Eγ, Iγ from isomeric decay. JOUR NIMBE 261 822
	2007KA33	NUCLEAR REACTIONS N, O, Ar(p, X)^{7}Be / ^{11}C / ^{13}N / ^{15}O / ^{18}F / ^{22}Na / ^{24}Na / ^{27}Mg / ^{29}Al / ^{38}S / ^{38}Cl / ^{39}Cl, E=12 GeV; measured radionuclide yields. JOUR JRNCD 273 507
^{24}Mg	2007VA10	NUCLEAR REACTIONS ^{28}Si(p, X)^{24}Mg, E=1 GeV; measured Eγ, Iγ, σ. JOUR PANUE 70 1160

A=25

^{25}F	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{25}Na	2007VI11	NUCLEAR REACTIONS ^{12}C(^{48}Ca, X)^{8}Li / ^{9}Li / ^{25}Na / ^{26}Na / ^{27}Na / ^{29}Al / ^{37}K / ^{47}K, E=60 MeV / nucleon; measured yield. JOUR NUPAB 787 126c

A=26

^{26}F	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{26}Na	2007VI11	NUCLEAR REACTIONS ^{12}C(^{48}Ca, X)^{8}Li / ^{9}Li / ^{25}Na / ^{26}Na / ^{27}Na / ^{29}Al / ^{37}K / ^{47}K, E=60 MeV / nucleon; measured yield. JOUR NUPAB 787 126c
^{26}Mg	2007GRZY	NUCLEAR REACTIONS ^{24}Mg(^{12}C, ^{10}C), E=53, 95 MeV / nucleon; measured Ep, Eα, 2p2α correlation functions for decay of the excited states. PREPRINT arXiv.0706.4414v1 [nucl-ex]
	2007UG01	NUCLEAR REACTIONS ^{22}Ne(^{6}Li, d), E=30 MeV; measured deuteron energy spectra. ^{26}Mg deduced level energies. JOUR PRVCA 76 025802
^{26}Al	2007ZEZZ	NUCLEAR REACTIONS ^{12,13}C, ^{18}O, ^{26}Mg, ^{58}Ni, ^{60}Ni, ^{90}Zr, ^{118}Sn, ^{208}Pb(^{3}He, t), E=420 MeV; measured triton spectra and cross sections. Deduced B(GT). PREPRINT arXiv:0707.2840v1 [nucl-ex]
^{26}Si	2007SE02	NUCLEAR REACTIONS ^{12}C(^{16}O, 2n), E=58 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc using the Gammasphere. ^{26}Si deduced levels, J, π. Compared results to model calculations and discussed astrophysical implications. JOUR PRVCA 75 062801

A=27

^{27}F	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{27}Ne	2007GI08	NUCLEAR REACTIONS ^{1}H(^{8}He, ^{8}He), (^{8}He, d), (^{8}He, t), E=15.7, 61.3 MeV / nucleon; analyzed $\sigma(\theta)$. Coupled reaction channel calculations, DWBA analysis. ^{2}H(^{26}Ne, p), E=9.7 MeV / nucleon; measured fragment yield, Eγ, Iγ, (particle)γ-coin. ^{27}Ne deduced levels, J, π. Exogam array, Vamos spectrometer. JOUR NUPAB 787 423c
	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{27}Na	2007VI11	NUCLEAR REACTIONS ^{12}C(^{48}Ca, X)^{8}Li / ^{9}Li / ^{25}Na / ^{26}Na / ^{27}Na / ^{29}Al / ^{37}K / ^{47}K, E=60 MeV / nucleon; measured yield. JOUR NUPAB 787 126c
^{27}Mg	2007KA33	NUCLEAR REACTIONS N, O, Ar(p, X)^{7}Be / ^{11}C / ^{13}N / ^{15}O / ^{18}F / ^{22}Na / ^{24}Na / ^{27}Mg / ^{29}Al / ^{38}S / ^{38}Cl / ^{39}Cl, E=12 GeV; measured radionuclide yields. JOUR JRNCD 273 507
^{27}Al	2007FE13	NUCLEAR REACTIONS ^{27}Al(^{6}Li, ^{6}Li), E=7, 8, 10, 12, 18 MeV; ^{27}Al(^{7}Li, ^{7}Li), E=6, 7, 8, 9, 10, 11, 12, 14, 16, 18 MeV; measured $\sigma(\theta)$. Optical model analysis, several potentials compared. Breakup threshold anomaly discussed. JOUR NUPAB 787 484c
	2007LE24	NUCLEAR REACTIONS ^{27}Al(^{6}He, ^{6}He), E=9.5, 11, 12, 13.4 MeV; ^{51}V(^{8}Li, ^{8}Li), E=26 MeV; measured $\sigma(\theta)$. Comparison with optical model. ^{27}Al, ^{64}Zn(^{6}He, ^{6}He), (^{6}Li, ^{6}Li), (^{7}Li, ^{7}Li), (^{9}Be, ^{9}Be), (^{16}O, ^{16}O), E$\approx$5-25 MeV; analyzed σ. Comparison with other data. Secondary radioactive beam. JOUR NUPAB 787 94c
	2007MA58	NUCLEAR REACTIONS ^{27}Al, ^{127}I, ^{206,207,208}Pb(n, n'γ), E not give; ^{10}B(α, pγ), E=2.27 MeV; ^{9}Be(α, nγ), E=2.27 MeV; measured yields. JOUR PRVCA 76 022801

A=28

^{28}Ne	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{28}Al	2007TA25	NUCLEAR REACTIONS ^{7}Li, ^{12}C, ^{28}Si(e, e'K^{+}), E not given; measured missing mass spectra. ^{7}He, ^{12}B, ^{28}Al deduced hypernucleus levels. JOUR NUPAB 790 679c
^{28}S	2007BU15	NUCLEAR REACTIONS C(^{40}Ca, X)^{36}Ca / ^{32}Ar / ^{28}S, E=95 MeV / nucleon; measured Eγ, Iγ. Deduced level energies. JOUR APOBB 38 1353

A=29

^{29}Ne	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{29}Al	2007KA33	NUCLEAR REACTIONS N, O, Ar(p, X)^{7}Be / ^{11}C / ^{13}N / ^{15}O / ^{18}F / ^{22}Na / ^{24}Na / ^{27}Mg / ^{29}Al / ^{38}S / ^{38}Cl / ^{39}Cl, E=12 GeV; measured radionuclide yields. JOUR JRNCD 273 507
	2007VI11	NUCLEAR REACTIONS ^{12}C(^{48}Ca, X)^{8}Li / ^{9}Li / ^{25}Na / ^{26}Na / ^{27}Na / ^{29}Al / ^{37}K / ^{47}K, E=60 MeV / nucleon; measured yield. JOUR NUPAB 787 126c

A=30

^{30}Ne	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
	2007TR08	RADIOACTIVITY ^{30}Ne(β^-) [from Be(^{48}Ca, X), E=140 MeV / nucleon]; measured Eγ, Iγ, $\beta\gamma$-coinc, $T_{1/2}$. ^{30}Na deduced levels, J, π. Compared results to model calculations. JOUR PRVCA 76 021301
^{30}Na	2007TR08	RADIOACTIVITY ^{30}Ne(β^-) [from Be(^{48}Ca, X), E=140 MeV / nucleon]; measured Eγ, Iγ, $\beta\gamma$-coinc, $T_{1/2}$. ^{30}Na deduced levels, J, π. Compared results to model calculations. JOUR PRVCA 76 021301

A=31

^{31}Ne	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{31}Na	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{31}S	2007MA48	NUCLEAR REACTIONS ^{32}S(p, d), E=32 MeV; measured Ed, σ and angular distributions. ^{31}S deduced level energies and spectroscopic factors. JOUR PRVCA 76 015803

A=32

^{32}Na	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43

A=32 *(continued)*

^{32}Al	2007YOZZ	NUCLEAR REACTIONS Nb(^{40}Ar, X)^{32}Al, E=95 MeV / nucleon; measured quadrupole moment using β-NMR method. CONF Khanty-Mansiysk (Exotic Nuclei) Proc, P105
^{32}Ar	2007BU15	NUCLEAR REACTIONS C(^{40}Ca, X)^{36}Ca / ^{32}Ar / ^{28}S, E=95 MeV / nucleon; measured Eγ, Iγ. Deduced level energies. JOUR APOBB 38 1353

A=33

^{33}Na	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43

A=34

^{34}Mg	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{34}Al	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43

A=35

^{35}Mg	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{35}Al	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{35}K	2007YA08	ATOMIC MASSES ^{35,36,37,38,43,44,45,56}K; measured masses using ISOLTRAP. Discussed implications on IMME. JOUR PRVCA 76 024308
	2007YAZX	ATOMIC MASSES ^{35,36,37,38,43,44,45,46}K; measured masses using the ISOLTRAP mass spectrometer. PREPRINT arXiv:0707.3201v1 [nucl-ex]

A=36

^{36}Mg	2007GA34	NUCLEAR REACTIONS ^{9}Be(^{38}Si, ^{36}Mg), E=83 MeV / nucleon; measured Eγ, Iγ. ^{36}Mg deduced level energy. Compared results to model calculations. JOUR PRLTA 99 072502
	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
	2007TA15	NUCLEAR REACTIONS ^{184}W, ^{9}Be(^{48}Ca, X)^{36}Mg / ^{37}Mg / ^{38}Mg / ^{41}Si / ^{42}Si / ^{43}Si / ^{44}Si, E=142 MeV / nucleon; measured production cross sections. Compared results to model calculations. JOUR PRVCA 75 064613
^{36}Al	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{36}Si	2007CA35	NUCLEAR REACTIONS ^{1}H(^{36}Si, ^{36}Si'), E < 140 MeV / nucleon; ^{1}H(^{38}Si, ^{38}Si'), E < 140 MeV / nucleon; ^{1}H(^{40}Si, ^{40}Si'), E < 140 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coinc, inelastic proton scattering cross sections. ^{36,38,40}Si deduced quadrupole deformation parameters. JOUR PYLBB 652 169
	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{36}K	2007YA08	ATOMIC MASSES ^{35,36,37,38,43,44,45,56}K; measured masses using ISOLTRAP. Discussed implications on IMME. JOUR PRVCA 76 024308
	2007YAZX	ATOMIC MASSES ^{35,36,37,38,43,44,45,46}K; measured masses using the ISOLTRAP mass spectrometer. PREPRINT arXiv:0707.3201v1 [nucl-ex]
^{36}Ca	2007BU15	NUCLEAR REACTIONS C(^{40}Ca, X)^{36}Ca / ^{32}Ar / ^{28}S, E=95 MeV / nucleon; measured Eγ, Iγ. Deduced level energies. JOUR APOBB 38 1353

A=37

^{37}Mg	2007TA15	NUCLEAR REACTIONS ^{184}W, ^{9}Be(^{48}Ca, X)^{36}Mg / ^{37}Mg / ^{38}Mg / ^{41}Si / ^{42}Si / ^{43}Si / ^{44}Si, E=142 MeV / nucleon; measured production cross sections. Compared results to model calculations. JOUR PRVCA 75 064613
^{37}Al	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{37}Si	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43

A=37 *(continued)*

^{37}K	2007VI11	NUCLEAR REACTIONS ^{12}C(^{48}Ca, X)^{8}Li / ^{9}Li / ^{25}Na / ^{26}Na / ^{27}Na / ^{29}Al / ^{37}K / ^{47}K, E=60 MeV / nucleon; measured yield. JOUR NUPAB 787 126c
	2007YA08	ATOMIC MASSES ^{35,36,37,38,43,44,45,56}K; measured masses using ISOLTRAP. Discussed implications on IMME. JOUR PRVCA 76 024308
	2007YAZX	ATOMIC MASSES ^{35,36,37,38,43,44,45,46}K; measured masses using the ISOLTRAP mass spectrometer. PREPRINT arXiv:0707.3201v1 [nucl-ex]

A=38

^{38}Mg	2007TA15	NUCLEAR REACTIONS ^{184}W, ^{9}Be(^{48}Ca, X)^{36}Mg / ^{37}Mg / ^{38}Mg / ^{41}Si / ^{42}Si / ^{43}Si / ^{44}Si, E=142 MeV / nucleon; measured production cross sections. Compared results to model calculations. JOUR PRVCA 75 064613
^{38}Al	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{38}Si	2007CA35	NUCLEAR REACTIONS ^{1}H(^{36}Si, ^{36}Si'), E < 140 MeV / nucleon; ^{1}H(^{38}Si, ^{38}Si'), E < 140 MeV / nucleon; ^{1}H(^{40}Si, ^{40}Si'), E < 140 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coinc, inelastic proton scattering cross sections. ^{36,38,40}Si deduced quadrupole deformation parameters. JOUR PYLBB 652 169
	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{38}S	2007KA33	NUCLEAR REACTIONS N, O, Ar(p, X)^{7}Be / ^{11}C / ^{13}N / ^{15}O / ^{18}F / ^{22}Na / ^{24}Na / ^{27}Mg / ^{29}Al / ^{38}S / ^{38}Cl / ^{39}Cl, E=12 GeV; measured radionuclide yields. JOUR JRNCD 273 507
^{38}Cl	2007KA33	NUCLEAR REACTIONS N, O, Ar(p, X)^{7}Be / ^{11}C / ^{13}N / ^{15}O / ^{18}F / ^{22}Na / ^{24}Na / ^{27}Mg / ^{29}Al / ^{38}S / ^{38}Cl / ^{39}Cl, E=12 GeV; measured radionuclide yields. JOUR JRNCD 273 507
^{38}K	2007YA08	ATOMIC MASSES ^{35,36,37,38,43,44,45,56}K; measured masses using ISOLTRAP. Discussed implications on IMME. JOUR PRVCA 76 024308
	2007YAZX	ATOMIC MASSES ^{35,36,37,38,43,44,45,46}K; measured masses using the ISOLTRAP mass spectrometer. PREPRINT arXiv:0707.3201v1 [nucl-ex]

A=39

^{39}Al	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{39}Si	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{39}Cl	2007KA33	NUCLEAR REACTIONS N, O, Ar(p, X)^{7}Be / ^{11}C / ^{13}N / ^{15}O / ^{18}F / ^{22}Na / ^{24}Na / ^{27}Mg / ^{29}Al / ^{38}S / ^{38}Cl / ^{39}Cl, E=12 GeV; measured radionuclide yields. JOUR JRNCD 273 507

A=40

^{40}Si	2007CA35	NUCLEAR REACTIONS ^{1}H(^{36}Si, ^{36}Si'), E < 140 MeV / nucleon; ^{1}H(^{38}Si, ^{38}Si'), E < 140 MeV / nucleon; ^{1}H(^{40}Si, ^{40}Si'), E < 140 MeV / nucleon; measured Eγ, Iγ, (particle)γ-coinc, inelastic proton scattering cross sections. ^{36,38,40}Si deduced quadrupole deformation parameters. JOUR PYLBB 652 169
	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{40}P	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{40}S	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43

A=41

^{41}Si	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
	2007TA15	NUCLEAR REACTIONS ^{184}W, ^{9}Be(^{48}Ca, X)^{36}Mg / ^{37}Mg / ^{38}Mg / ^{41}Si / ^{42}Si / ^{43}Si / ^{44}Si, E=142 MeV / nucleon; measured production cross sections. Compared results to model calculations. JOUR PRVCA 75 064613
^{41}P	2007BA47	NUCLEAR REACTIONS ^{42,44}S(^{9}Be, X), E=39 MeV / nucleon; measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{42}Si, ^{41,43}P deduced levels. JOUR PRLTA 99 022503

A=41 *(continued)*

	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43

A=42

^{42}Si	2007BA47	NUCLEAR REACTIONS ^{42,44}S(^{9}Be, X), E=39 MeV / nucleon; measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{42}Si, ^{41,43}P deduced levels. JOUR PRLTA 99 022503
	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
	2007TA15	NUCLEAR REACTIONS ^{184}W, ^{9}Be(^{48}Ca, X)^{36}Mg / ^{37}Mg / ^{38}Mg / ^{41}Si / ^{42}Si / ^{43}Si / ^{44}Si, E=142 MeV / nucleon; measured production cross sections. Compared results to model calculations. JOUR PRVCA 75 064613
^{42}P	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{42}Ca	2007CO21	NUCLEAR REACTIONS ^{208}Pb(^{40}Ca, X), E=235, 249 MeV; analyzed single and paired nucleon transfer σ. ^{208}Pb(^{40}Ca, X)^{42}Ca, E=225, 236, 250 MeV; analyzed total kinetic energy loss distribution. ^{208}Pb(^{90}Zr, X), E=560 MeV; analyzed fragment mass distributions, σ; measured Eγ, Iγ, (particle)γ-coin, DSA. ^{92}Zr deduced levels, J, π. ^{238}U(^{82}Se, X), E=500 MeV; measured fragment yields, σ. Prisma and Clara arrays. Mutli-nucleon transfer reaction mechanisms discussed. JOUR NUPAB 787 160c
	2007SZ05	NUCLEAR REACTIONS ^{98}Zr(^{40}Ca, X), E=152 MeV; ^{208}Pb(^{90}Zr, X), E=560 MeV; measured EΓ, Iγ, (particle)γ-coinc. ^{95}Zr, ^{42}Ca deduced levels. JOUR PRVCA 76 024604
^{42}Sc	2007SC26	NUCLEAR REACTIONS ^{40}Ca(^{3}He, p)^{42}Sc, E=9 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc, and angular correlations. ^{42}Sc deduced levels, J, π, B(E2), B(M1), multipole mixing ratios. Compared results to model calculations. JOUR PRVCA 75 064321

A=43

^{43}Si	2007TA15	NUCLEAR REACTIONS ^{184}W, ^{9}Be(^{48}Ca, X)^{36}Mg / ^{37}Mg / ^{38}Mg / ^{41}Si / ^{42}Si / ^{43}Si / ^{44}Si, E=142 MeV / nucleon; measured production cross sections. Compared results to model calculations. JOUR PRVCA 75 064613
^{43}P	2007BA47	NUCLEAR REACTIONS ^{42,44}S(^{9}Be, X), E=39 MeV / nucleon; measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{42}Si, ^{41,43}P deduced levels. JOUR PRLTA 99 022503

A=43 *(continued)*

	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{43}S	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{43}Cl	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{43}K	2007YA08	ATOMIC MASSES ^{35,36,37,38,43,44,45,56}K; measured masses using ISOLTRAP. Discussed implications on IMME. JOUR PRVCA 76 024308
	2007YAZX	ATOMIC MASSES ^{35,36,37,38,43,44,45,46}K; measured masses using the ISOLTRAP mass spectrometer. PREPRINT arXiv:0707.3201v1 [nucl-ex]
^{43}V	2007GI10	RADIOACTIVITY ^{45}Fe(2p), ^{43}Cr(β^+); measured direct and β-delayed proton energies, $T_{1/2}$. JOUR PRLTA 99 102501
^{43}Cr	2007GI10	RADIOACTIVITY ^{45}Fe(2p), ^{43}Cr(β^+); measured direct and β-delayed proton energies, $T_{1/2}$. JOUR PRLTA 99 102501

A=44

^{44}Si	2007TA15	NUCLEAR REACTIONS ^{184}W, ^{9}Be(^{48}Ca, X)^{36}Mg / ^{37}Mg / ^{38}Mg / ^{41}Si / ^{42}Si / ^{43}Si / ^{44}Si, E=142 MeV / nucleon; measured production cross sections. Compared results to model calculations. JOUR PRVCA 75 064613
^{44}P	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{44}S	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{44}K	2007YA08	ATOMIC MASSES ^{35,36,37,38,43,44,45,56}K; measured masses using ISOLTRAP. Discussed implications on IMME. JOUR PRVCA 76 024308
	2007YAZX	ATOMIC MASSES ^{35,36,37,38,43,44,45,46}K; measured masses using the ISOLTRAP mass spectrometer. PREPRINT arXiv:0707.3201v1 [nucl-ex]
^{44}Sc	2007DR05	RADIOACTIVITY ^{44}Ti(EC); measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{44}Sc deduced conversion coefficients and penetration parameter. JOUR BRSPE 71 887

A=44 *(continued)*

	2007LA23	NUCLEAR REACTIONS ^{51}V, ^{45}Sc(^{3}He, $\alpha\gamma$), (^{3}He, ^{3}He'γ), E=30, 38 MeV; measured Eγ, Eα, E(^{3}He), (particle)γ-coinc. ^{50,51}V, ^{44,45}Sc deduced level densities and giant resonance strength functions. JOUR APOBB 38 1495
^{44}Ti	2007DR05	RADIOACTIVITY ^{44}Ti(EC); measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{44}Sc deduced conversion coefficients and penetration parameter. JOUR BRSPE 71 887

A=45

^{45}S	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{45}Cl	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{45}K	2007YA08	ATOMIC MASSES ^{35,36,37,38,43,44,45,56}K; measured masses using ISOLTRAP. Discussed implications on IMME. JOUR PRVCA 76 024308
	2007YAZX	ATOMIC MASSES ^{35,36,37,38,43,44,45,46}K; measured masses using the ISOLTRAP mass spectrometer. PREPRINT arXiv:0707.3201v1 [nucl-ex]
^{45}Sc	2007LA23	NUCLEAR REACTIONS ^{51}V, ^{45}Sc(^{3}He, $\alpha\gamma$), (^{3}He, ^{3}He'γ), E=30, 38 MeV; measured Eγ, Eα, E(^{3}He), (particle)γ-coinc. ^{50,51}V, ^{44,45}Sc deduced level densities and giant resonance strength functions. JOUR APOBB 38 1495
^{45}Fe	2007GI10	RADIOACTIVITY ^{45}Fe(2p), ^{43}Cr(β^+); measured direct and β-delayed proton energies, $T_{1/2}$. JOUR PRLTA 99 102501

A=46

^{46}Cl	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{46}K	2007YAZX	ATOMIC MASSES ^{35,36,37,38,43,44,45,46}K; measured masses using the ISOLTRAP mass spectrometer. PREPRINT arXiv:0707.3201v1 [nucl-ex]
^{46}Ti	2007KM01	NUCLEAR REACTIONS ^{28}Si(^{18}O, F), E=105 MeV; measured Eγ, Ep, Eα, yields, angular distributions, and (particle)γ-coinc. ^{46}Ti deduced deformation effects. JOUR APOBB 38 1437

A=47

^{47}Cl	2007JU03	ATOMIC MASSES ^{23}N, ^{23,24}O, ^{25,26,27}F, ^{27,28,29,30,31}Ne, ^{31,32,33}Na, ^{34,35,36}Mg, ^{34,35,36,37,38,39}Al, ^{36,37,38,39,40,41,42}Si, ^{40,41,42,43,44}P, ^{40,43,44,45}S, ^{43,45,46,47}Cl; measured masses; analysed neutron separation energy. Cyclotron-based mass spectrometry. JOUR PYLBB 649 43
^{47}K	2007VI11	NUCLEAR REACTIONS ^{12}C(^{48}Ca, X)^{8}Li / ^{9}Li / ^{25}Na / ^{26}Na / ^{27}Na / ^{29}Al / ^{37}K / ^{47}K, E=60 MeV / nucleon; measured yield. JOUR NUPAB 787 126c

A=48

^{48}V	2007TA16	NUCLEAR REACTIONS Ti(d, X)^{48}V / ^{44,46,47,48}Sc, E < 10 MeV; measured Eγ, Ig. Deduced cross sections using stacked foil technique. JOUR NIMBE 262 7

A=49

No references found

A=50

^{50}Ca	2007RE19	NUCLEAR REACTIONS ^{48}Ca(^{238}U, X), E=1.31 GeV / nucleon; measured Eγ, Iγ, (particle)γ-coinc. ^{50,51,52}Ca deduced levels, J, π. Compared results to model calculations. JOUR PRVCA 76 021304
^{50}V	2007LA23	NUCLEAR REACTIONS ^{51}V, ^{45}Sc(^{3}He, $\alpha\gamma$), (^{3}He, ^{3}He'γ), E=30, 38 MeV; measured Eγ, Eα, E(^{3}He), (particle)γ-coinc. ^{50,51}V, ^{44,45}Sc deduced level densities and giant resonance strength functions. JOUR APOBB 38 1495

A=51

^{51}Ca	2007RE19	NUCLEAR REACTIONS ^{48}Ca(^{238}U, X), E=1.31 GeV / nucleon; measured Eγ, Iγ, (particle)γ-coinc. ^{50,51,52}Ca deduced levels, J, π. Compared results to model calculations. JOUR PRVCA 76 021304
^{51}V	2007LA23	NUCLEAR REACTIONS ^{51}V, ^{45}Sc(^{3}He, $\alpha\gamma$), (^{3}He, ^{3}He'γ), E=30, 38 MeV; measured Eγ, Eα, E(^{3}He), (particle)γ-coinc. ^{50,51}V, ^{44,45}Sc deduced level densities and giant resonance strength functions. JOUR APOBB 38 1495
	2007LE24	NUCLEAR REACTIONS ^{27}Al(^{6}He, ^{6}He), E=9.5, 11, 12, 13.4 MeV; ^{51}V(^{8}Li, ^{8}Li), E=26 MeV; measured $\sigma(\theta)$. Comparison with optical model. ^{27}Al, ^{64}Zn(^{6}He, ^{6}He), (^{6}Li, ^{6}Li), (^{7}Li, ^{7}Li), (^{9}Be, ^{9}Be), (^{16}O, ^{16}O), E≈5-25 MeV; analyzed σ. Comparison with other data. Secondary radioactive beam. JOUR NUPAB 787 94c

A=51 *(continued)*

^{51}Cr	2007TA14	NUCLEAR REACTIONS Ni(d, X)^{51}Cr / ^{52}Mn / ^{54}Mn / ^{56}Mn / ^{56}Ni / ^{57}Ni / ^{55}Co / ^{56}Co / ^{57}Co / ^{58}Co / ^{60}Co / ^{61}Co / ^{61}Cu / ^{64}Cu, E < 50 MeV; measured Eγ, Iγ, activation cross section and excitation functions using stacked foil technique.Compared results to existing data. JOUR NIMBE 260 495

A=52

^{52}Ca	2007RE19	NUCLEAR REACTIONS ^{48}Ca(^{238}U, X), E=1.31 GeV / nucleon; measured Eγ, Iγ, (particle)γ-coinc. ^{50,51,52}Ca deduced levels, J, π. Compared results to model calculations. JOUR PRVCA 76 021304
^{52}Mn	2007AX01	NUCLEAR REACTIONS ^{28}Si(^{28}Si, n3p), E=110, 115 MeV; ^{24}Mg(^{32}S, n3p), E=130 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc, (particle)γ-coinc, angular distributions, lifetimes and polarization. ^{52}Mn deduced levels, J, π for high spin states. JOUR PRVCA 76 014303
	2007TA14	NUCLEAR REACTIONS Ni(d, X)^{51}Cr / ^{52}Mn / ^{54}Mn / ^{56}Mn / ^{56}Ni / ^{57}Ni / ^{55}Co / ^{56}Co / ^{57}Co / ^{58}Co / ^{60}Co / ^{61}Co / ^{61}Cu / ^{64}Cu, E < 50 MeV; measured Eγ, Iγ, activation cross section and excitation functions using stacked foil technique.Compared results to existing data. JOUR NIMBE 260 495

A=53

No references found

A=54

^{54}Mn	2007TA14	NUCLEAR REACTIONS Ni(d, X)^{51}Cr / ^{52}Mn / ^{54}Mn / ^{56}Mn / ^{56}Ni / ^{57}Ni / ^{55}Co / ^{56}Co / ^{57}Co / ^{58}Co / ^{60}Co / ^{61}Co / ^{61}Cu / ^{64}Cu, E < 50 MeV; measured Eγ, Iγ, activation cross section and excitation functions using stacked foil technique.Compared results to existing data. JOUR NIMBE 260 495

A=55

^{55}Co	2007TA14	NUCLEAR REACTIONS Ni(d, X)^{51}Cr / ^{52}Mn / ^{54}Mn / ^{56}Mn / ^{56}Ni / ^{57}Ni / ^{55}Co / ^{56}Co / ^{57}Co / ^{58}Co / ^{60}Co / ^{61}Co / ^{61}Cu / ^{64}Cu, E < 50 MeV; measured Eγ, Iγ, activation cross section and excitation functions using stacked foil technique.Compared results to existing data. JOUR NIMBE 260 495

A=56

^{56}K	2007YA08	ATOMIC MASSES ^{35,36,37,38,43,44,45,56}K; measured masses using ISOLTRAP. Discussed implications on IMME. JOUR PRVCA 76 024308
^{56}Mn	2007TA14	NUCLEAR REACTIONS Ni(d, X)^{51}Cr / ^{52}Mn / ^{54}Mn / ^{56}Mn / ^{56}Ni / ^{57}Ni / ^{55}Co / ^{56}Co / ^{57}Co / ^{58}Co / ^{60}Co / ^{61}Co / ^{61}Cu / ^{64}Cu, E < 50 MeV; measured Eγ, Iγ, activation cross section and excitation functions using stacked foil technique.Compared results to existing data. JOUR NIMBE 260 495
^{56}Co	2007TA14	NUCLEAR REACTIONS Ni(d, X)^{51}Cr / ^{52}Mn / ^{54}Mn / ^{56}Mn / ^{56}Ni / ^{57}Ni / ^{55}Co / ^{56}Co / ^{57}Co / ^{58}Co / ^{60}Co / ^{61}Co / ^{61}Cu / ^{64}Cu, E < 50 MeV; measured Eγ, Iγ, activation cross section and excitation functions using stacked foil technique.Compared results to existing data. JOUR NIMBE 260 495
^{56}Ni	2007TA14	NUCLEAR REACTIONS Ni(d, X)^{51}Cr / ^{52}Mn / ^{54}Mn / ^{56}Mn / ^{56}Ni / ^{57}Ni / ^{55}Co / ^{56}Co / ^{57}Co / ^{58}Co / ^{60}Co / ^{61}Co / ^{61}Cu / ^{64}Cu, E < 50 MeV; measured Eγ, Iγ, activation cross section and excitation functions using stacked foil technique.Compared results to existing data. JOUR NIMBE 260 495

A=57

^{57}Co	2007TA14	NUCLEAR REACTIONS Ni(d, X)^{51}Cr / ^{52}Mn / ^{54}Mn / ^{56}Mn / ^{56}Ni / ^{57}Ni / ^{55}Co / ^{56}Co / ^{57}Co / ^{58}Co / ^{60}Co / ^{61}Co / ^{61}Cu / ^{64}Cu, E < 50 MeV; measured Eγ, Iγ, activation cross section and excitation functions using stacked foil technique.Compared results to existing data. JOUR NIMBE 260 495
^{57}Ni	2007TA14	NUCLEAR REACTIONS Ni(d, X)^{51}Cr / ^{52}Mn / ^{54}Mn / ^{56}Mn / ^{56}Ni / ^{57}Ni / ^{55}Co / ^{56}Co / ^{57}Co / ^{58}Co / ^{60}Co / ^{61}Co / ^{61}Cu / ^{64}Cu, E < 50 MeV; measured Eγ, Iγ, activation cross section and excitation functions using stacked foil technique.Compared results to existing data. JOUR NIMBE 260 495

A=58

^{58}Co	2007TA14	NUCLEAR REACTIONS Ni(d, X)^{51}Cr / ^{52}Mn / ^{54}Mn / ^{56}Mn / ^{56}Ni / ^{57}Ni / ^{55}Co / ^{56}Co / ^{57}Co / ^{58}Co / ^{60}Co / ^{61}Co / ^{61}Cu / ^{64}Cu, E < 50 MeV; measured Eγ, Iγ, activation cross section and excitation functions using stacked foil technique.Compared results to existing data. JOUR NIMBE 260 495
	2007ZE03	NUCLEAR REACTIONS ^{58}Ni(t, ^{3}He), E=115 MeV / nucleon; measured particle spectra, $\sigma(\theta)$. ^{58}Co deduced Gamow-Teller strength distribution. Comparison with other results, model predictions. JOUR NUPAB 787 329c
^{58}Ni	2007AGZV	NUCLEAR REACTIONS ^{58}Ni(^{8}B, ^{8}B), E=20.7, 23.4, 25.3, 27.2, 29.3 MeV; measured ^{8}B(θ); deduced σ_{el} / σ_{Ruth}. TWINSOL facility. CONF Voronezh(Nucleus-2007),Contrib,P120,Aguilera

A=58 *(continued)*

	2007HI06	NUCLEAR REACTIONS ^{58}Ni(^{58}Ni, ^{58}Ni), E=260=220 MeV; measured angular distributions. Deduced Mott oscillations. JOUR PRVCA 76 014617
	2007HO13	NUCLEAR REACTIONS ^{58}Ni(p, p'), E=172 MeV; measured cross sections, spin flip cross sections and spin-flip probabilities. Compared results to model calculations. JOUR PRVCA 76 014314
^{58}Cu	2007ZEZZ	NUCLEAR REACTIONS ^{12,13}C, ^{18}O, ^{26}Mg, ^{58}Ni, ^{60}Ni, ^{90}Zr, ^{118}Sn, ^{208}Pb(^{3}He, t), E=420 MeV; measured triton spectra and cross sections. Deduced B(GT). PREPRINT arXiv:0707.2840v1 [nucl-ex]

A=59

No references found

A=60

^{60}Co	2007TA14	NUCLEAR REACTIONS Ni(d, X)^{51}Cr / ^{52}Mn / ^{54}Mn / ^{56}Mn / ^{56}Ni / ^{57}Ni / ^{55}Co / ^{56}Co / ^{57}Co / ^{58}Co / ^{60}Co / ^{61}Co / ^{61}Cu / ^{64}Cu, E < 50 MeV; measured Eγ, Iγ, activation cross section and excitation functions using stacked foil technique.Compared results to existing data. JOUR NIMBE 260 495
	2007ZH34	NUCLEAR REACTIONS ^{63}Cu(n, n'), (n, 2n), (n, np), (n, d), (n, p), (n, α), E=14.9 MeV; ^{65}Cu(n, n'), (n, 2n), (n, np), (n, d), (n, p), E=14.9 MeV; measured Eγ, Iγ, and cross sections. JOUR NSENA 157 354
^{60}Cu	2007ZEZZ	NUCLEAR REACTIONS ^{12,13}C, ^{18}O, ^{26}Mg, ^{58}Ni, ^{60}Ni, ^{90}Zr, ^{118}Sn, ^{208}Pb(^{3}He, t), E=420 MeV; measured triton spectra and cross sections. Deduced B(GT). PREPRINT arXiv:0707.2840v1 [nucl-ex]
^{60}Zn	2007WO02	NUCLEAR REACTIONS ^{36}Ar(^{24}Mg, F), E=123.1 MeV; ^{36}Ar(^{25}Mg, F), E=119.3 MeV; measured Eγ, Iγ from GDR decay. ^{60,61}Zn deduced GDR parameters, isospin mixing probability. JOUR APOBB 38 1469

A=61

^{61}Co	2007TA14	NUCLEAR REACTIONS Ni(d, X)^{51}Cr / ^{52}Mn / ^{54}Mn / ^{56}Mn / ^{56}Ni / ^{57}Ni / ^{55}Co / ^{56}Co / ^{57}Co / ^{58}Co / ^{60}Co / ^{61}Co / ^{61}Cu / ^{64}Cu, E < 50 MeV; measured Eγ, Iγ, activation cross section and excitation functions using stacked foil technique.Compared results to existing data. JOUR NIMBE 260 495
^{61}Cu	2007TA14	NUCLEAR REACTIONS Ni(d, X)^{51}Cr / ^{52}Mn / ^{54}Mn / ^{56}Mn / ^{56}Ni / ^{57}Ni / ^{55}Co / ^{56}Co / ^{57}Co / ^{58}Co / ^{60}Co / ^{61}Co / ^{61}Cu / ^{64}Cu, E < 50 MeV; measured Eγ, Iγ, activation cross section and excitation functions using stacked foil technique.Compared results to existing data. JOUR NIMBE 260 495
^{61}Zn	2007WO02	NUCLEAR REACTIONS ^{36}Ar(^{24}Mg, F), E=123.1 MeV; ^{36}Ar(^{25}Mg, F), E=119.3 MeV; measured Eγ, Iγ from GDR decay. ^{60,61}Zn deduced GDR parameters, isospin mixing probability. JOUR APOBB 38 1469

A=62

^{62}Ni	2007ZH34	NUCLEAR REACTIONS ^{63}Cu(n, n'), (n, 2n), (n, np), (n, d), (n, p), (n, α), E=14.9 MeV; ^{65}Cu(n, n'), (n, 2n), (n, np), (n, d), (n, p), E=14.9 MeV; measured Eγ, Iγ, and cross sections. JOUR NSENA 157 354
^{62}Cu	2007ZH34	NUCLEAR REACTIONS ^{63}Cu(n, n'), (n, 2n), (n, np), (n, d), (n, p), (n, α), E=14.9 MeV; ^{65}Cu(n, n'), (n, 2n), (n, np), (n, d), (n, p), E=14.9 MeV; measured Eγ, Iγ, and cross sections. JOUR NSENA 157 354
^{62}Zn	2007AL41	NUCLEAR REACTIONS Zn(p, X)^{62}Zn / ^{65}Zn / ^{66}Ga / ^{67}Ga / ^{68}Ga, E < 27.5 MeV; measured yields, cross sections, and excitation functions using stacked foil activation. JOUR ARISE 65 1101

A=63

^{63}Ni	2007NAZW	NUCLEAR REACTIONS ^{4}He(γ, X), E < 50 MeV; ^{12}C(α, γ), E(cm)=1.4-1.6 MeV; ^{2}H, ^{62}Ni(n, γ), E= low; measured cross sections. CONF Tokai-mura (Nuclear Data) Proc,PIII.01,Nagai
	2007ZH34	NUCLEAR REACTIONS ^{63}Cu(n, n'), (n, 2n), (n, np), (n, d), (n, p), (n, α), E=14.9 MeV; ^{65}Cu(n, n'), (n, 2n), (n, np), (n, d), (n, p), E=14.9 MeV; measured Eγ, Iγ, and cross sections. JOUR NSENA 157 354
^{63}Cu	2007ZH34	NUCLEAR REACTIONS ^{63}Cu(n, n'), (n, 2n), (n, np), (n, d), (n, p), (n, α), E=14.9 MeV; ^{65}Cu(n, n'), (n, 2n), (n, np), (n, d), (n, p), E=14.9 MeV; measured Eγ, Iγ, and cross sections. JOUR NSENA 157 354

A=64

^{64}Ni	2007BL15	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128,130}Te($\beta^-\beta^-$); ^{64}Zn, ^{106}Cd, ^{120}Te($\beta^+\beta^+$); measured summed Eβ. Deduced upper limits for $T_{1/2}$. JOUR PRVCA 76 025501
	2007ZH34	NUCLEAR REACTIONS ^{63}Cu(n, n'), (n, 2n), (n, np), (n, d), (n, p), (n, α), E=14.9 MeV; ^{65}Cu(n, n'), (n, 2n), (n, np), (n, d), (n, p), E=14.9 MeV; measured Eγ, Iγ, and cross sections. JOUR NSENA 157 354
^{64}Cu	2007KI13	RADIOACTIVITY ^{64}Zn, ^{112}Sn(β^+), (EC);^{124}Sn($2\beta^-$); measured Eγ, Iγ; deduced $T_{1/2}$ lower limits for β+, EC and 0ν-accompanied 2β-decay to ground and excited states. Comparison with theoretical values and previous data. JOUR NUPAB 793 171
	2007TA14	NUCLEAR REACTIONS Ni(d, X)^{51}Cr / ^{52}Mn / ^{54}Mn / ^{56}Mn / ^{56}Ni / ^{57}Ni / ^{55}Co / ^{56}Co / ^{57}Co / ^{58}Co / ^{60}Co / ^{61}Co / ^{61}Cu / ^{64}Cu, E < 50 MeV; measured Eγ, Iγ, activation cross section and excitation functions using stacked foil technique.Compared results to existing data. JOUR NIMBE 260 495
	2007ZH34	NUCLEAR REACTIONS ^{63}Cu(n, n'), (n, 2n), (n, np), (n, d), (n, p), (n, α), E=14.9 MeV; ^{65}Cu(n, n'), (n, 2n), (n, np), (n, d), (n, p), E=14.9 MeV; measured Eγ, Iγ, and cross sections. JOUR NSENA 157 354
^{64}Zn	2007BL15	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128,130}Te($\beta^-\beta^-$); ^{64}Zn, ^{106}Cd, ^{120}Te($\beta^+\beta^+$); measured summed Eβ. Deduced upper limits for $T_{1/2}$. JOUR PRVCA 76 025501

A=64 *(continued)*

	2007KI13	RADIOACTIVITY ^{64}Zn, ^{112}Sn(β^+), (EC);^{124}Sn($2\beta^-$); measured Eγ, Iγ; deduced $T_{1/2}$ lower limits for β+, EC and 0ν-accompanied 2β-decay to ground and excited states. Comparison with theoretical values and previous data. JOUR NUPAB 793 171
	2007LE24	NUCLEAR REACTIONS ^{27}Al(^{6}He, ^{6}He), E=9.5, 11, 12, 13.4 MeV; ^{51}V(^{8}Li, ^{8}Li), E=26 MeV; measured $\sigma(\theta)$. Comparison with optical model. ^{27}Al, ^{64}Zn(^{6}He, ^{6}He), (^{6}Li, ^{6}Li), (^{7}Li, ^{7}Li), (^{9}Be, ^{9}Be), (^{16}O, ^{16}O), E≈5-25 MeV; analyzed σ. Comparison with other data. Secondary radioactive beam. JOUR NUPAB 787 94c
^{64}Ge	2007ST16	NUCLEAR REACTIONS ^{93}Nb(^{65}Ge, n), E not given; measured Eγ, Iγ and transition rates using recoil distance method. ^{64}Ge deduced B(E2) and lifetimes. JOUR PRLTA 99 042503

A=65

^{65}Ni	2007ZH34	NUCLEAR REACTIONS ^{63}Cu(n, n'), (n, 2n), (n, np), (n, d), (n, p), (n, α), E=14.9 MeV; ^{65}Cu(n, n'), (n, 2n), (n, np), (n, d), (n, p), E=14.9 MeV; measured Eγ, Iγ, and cross sections. JOUR NSENA 157 354
^{65}Cu	2007ZH34	NUCLEAR REACTIONS ^{63}Cu(n, n'), (n, 2n), (n, np), (n, d), (n, p), (n, α), E=14.9 MeV; ^{65}Cu(n, n'), (n, 2n), (n, np), (n, d), (n, p), E=14.9 MeV; measured Eγ, Iγ, and cross sections. JOUR NSENA 157 354
^{65}Zn	2007AL41	NUCLEAR REACTIONS Zn(p, X)^{62}Zn / ^{65}Zn / ^{66}Ga / ^{67}Ga / ^{68}Ga, E < 27.5 MeV; measured yields, cross sections, and excitation functions using stacked foil activation. JOUR ARISE 65 1101

A=66

^{66}Zn	2007SP04	NUCLEAR REACTIONS ^{62}Ni(α, γ), E=5, 9 MeV; ^{103}Rh(p, γ), E=3, 5 MeV; measured Eγ, Iγ. Deduced total cross sections. Compared results to model calculations. JOUR PRVCA 76 015802
^{66}Ga	2007AL41	NUCLEAR REACTIONS Zn(p, X)^{62}Zn / ^{65}Zn / ^{66}Ga / ^{67}Ga / ^{68}Ga, E < 27.5 MeV; measured yields, cross sections, and excitation functions using stacked foil activation. JOUR ARISE 65 1101

A=67

^{67}Ga	2007AL41	NUCLEAR REACTIONS Zn(p, X)^{62}Zn / ^{65}Zn / ^{66}Ga / ^{67}Ga / ^{68}Ga, E < 27.5 MeV; measured yields, cross sections, and excitation functions using stacked foil activation. JOUR ARISE 65 1101

A=68

^{68}Ni	2007BR15	NUCLEAR REACTIONS ^{9}Be(^{86}Kr, X)^{68}Ni, E= 900 MeV / nucleon; measured Eγ, Iγ following projectile coulomb excitation. JOUR APOBB 38 1229

A=68 *(continued)*

^{68}Ga	2007AL41	NUCLEAR REACTIONS Zn(p, X)^{62}Zn / ^{65}Zn / ^{66}Ga / ^{67}Ga / ^{68}Ga, E < 27.5 MeV; measured yields, cross sections, and excitation functions using stacked foil activation. JOUR ARISE 65 1101

A=69

No references found

A=70

^{70}Zn	2007BL15	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128,130}Te($\beta^-\beta^-$); ^{64}Zn, ^{106}Cd, ^{120}Te($\beta^+\beta^+$); measured summed Eβ. Deduced upper limits for $T_{1/2}$. JOUR PRVCA 76 025501
	2007BLZY	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128}Te, ^{130}Te($2\beta^-$); measured summed β energies. Deduced $T_{1/2}$ limits. PREPRINT arXiv:0707.2756v1 [nucl-ex]
^{70}Ge	2007BL15	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128,130}Te($\beta^-\beta^-$); ^{64}Zn, ^{106}Cd, ^{120}Te($\beta^+\beta^+$); measured summed Eβ. Deduced upper limits for $T_{1/2}$. JOUR PRVCA 76 025501
	2007BLZY	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128}Te, ^{130}Te($2\beta^-$); measured summed β energies. Deduced $T_{1/2}$ limits. PREPRINT arXiv:0707.2756v1 [nucl-ex]

A=71

No references found

A=72

^{72}Ga	2007GA29	NUCLEAR REACTIONS ^{72,73}Ge(n, p), E=8.8-11.4 MeV; measured cross sections using activation technique. Compared results to model calculations. JOUR NIMBE 261 969
^{72}Kr	2007YA06	NUCLEAR REACTIONS ^{12}C(^{72}Kr, X), (^{76}Kr, X), (^{80}Kr, X), E≤ 1.05 GeV / nucleon; measured σ. ^{72,76,80}Kr deduced rms matter radii. Secondary beams, Glauber model. Comparison with other data. JOUR NUPAB 787 471c

A=73

^{73}Ga	2007GA29	NUCLEAR REACTIONS ^{72,73}Ge(n, p), E=8.8-11.4 MeV; measured cross sections using activation technique. Compared results to model calculations. JOUR NIMBE 261 969

A=74

^{74}Rb	2007NA13	NUCLEAR REACTIONS Ca(^{36}Ar, np)^{74}Rb, E=103 MeV; Ca(^{40}Ca, np)^{78}Y, E=118, 121 MeV; measured Eγ, Iγ, $\beta\gamma$-coinc using recoil-decay tagging technique. ^{74}Rb, ^{78}Y deduced coulomb energy differences between T=1 states. JOUR PRVCA 75 061301

A=75

No references found

A=76

^{76}Kr	2007YA06	NUCLEAR REACTIONS ^{12}C(^{72}Kr, X), (^{76}Kr, X), (^{80}Kr, X), E$\leq$ 1.05 GeV / nucleon; measured σ. ^{72,76,80}Kr deduced rms matter radii. Secondary beams, Glauber model. Comparison with other data. JOUR NUPAB 787 471c

A=77

No references found

A=78

^{78}Ni	2007SC29	RADIOACTIVITY ^{78}Ni(β^-); measured $T_{1/2}$. Silicon strip detector. JOUR NUPAB 787 299c
^{78}Cu	2007SC29	RADIOACTIVITY ^{78}Ni(β^-); measured $T_{1/2}$. Silicon strip detector. JOUR NUPAB 787 299c
^{78}Zn	2007IB01	NUCLEAR REACTIONS ^{238}U(γ, F)^{78}Zn / ^{132}Sn, E not given; measured fission fragment yields. ALTO facility. ^{238}U(n, F)^{81}Zn / ^{83}Ga, E not given; measured Eγ, Iγ, Eβ, Iβ, $\gamma\gamma$-coin. ^{81}Ga, ^{83}Ge deduced levels, J, π. Online mass separator. JOUR NUPAB 787 110c
^{78}Y	2007NA13	NUCLEAR REACTIONS Ca(^{36}Ar, np)^{74}Rb, E=103 MeV; Ca(^{40}Ca, np)^{78}Y, E=118, 121 MeV; measured Eγ, Iγ, $\beta\gamma$-coinc using recoil-decay tagging technique. ^{74}Rb, ^{78}Y deduced coulomb energy differences between T=1 states. JOUR PRVCA 75 061301

A=79

No references found

A=80

^{80}Zn	2007DE37	NUCLEAR REACTIONS ^{192}Os, ^{238}U(^{82}Se, X)^{80}Zn / ^{81}Ga / ^{82}Ge / ^{83}As / ^{84}Se / ^{85}Se / ^{87}Kr, E=460, 505 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{80}Zn, ^{81}Ga, ^{82}Ge, ^{83}As, ^{84,85}Se, ^{87}Kr deduced levels, J, π. Comparison with Oxbash shell model. ^{206}Pb(^{132}Xe, X), (^{144}Xe, X), E=8.26 MeV / nucleon; calculated production σ of neutron-rich nuclei. Grazing coupled channels model. JOUR NUPAB 787 74c
^{80}Kr	2007YA06	NUCLEAR REACTIONS ^{12}C(^{72}Kr, X), (^{76}Kr, X), (^{80}Kr, X), E$\leq$ 1.05 GeV / nucleon; measured σ. ^{72,76,80}Kr deduced rms matter radii. Secondary beams, Glauber model. Comparison with other data. JOUR NUPAB 787 471c

A=81

^{81}Zn	2007IB01	NUCLEAR REACTIONS ^{238}U(γ, F)^{78}Zn / ^{132}Sn, E not given; measured fission fragment yields. ALTO facility. ^{238}U(n, F)^{81}Zn / ^{83}Ga, E not given; measured Eγ, Iγ, Eβ, Iβ, $\gamma\gamma$-coin. ^{81}Ga, ^{83}Ge deduced levels, J, π. Online mass separator. JOUR NUPAB 787 110c
^{81}Ga	2007DE37	NUCLEAR REACTIONS ^{192}Os, ^{238}U(^{82}Se, X)^{80}Zn / ^{81}Ga / ^{82}Ge / ^{83}As / ^{84}Se / ^{85}Se / ^{87}Kr, E=460, 505 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{80}Zn, ^{81}Ga, ^{82}Ge, ^{83}As, ^{84,85}Se, ^{87}Kr deduced levels, J, π. Comparison with Oxbash shell model. ^{206}Pb(^{132}Xe, X), (^{144}Xe, X), E=8.26 MeV / nucleon; calculated production σ of neutron-rich nuclei. Grazing coupled channels model. JOUR NUPAB 787 74c
	2007IB01	NUCLEAR REACTIONS ^{238}U(γ, F)^{78}Zn / ^{132}Sn, E not given; measured fission fragment yields. ALTO facility. ^{238}U(n, F)^{81}Zn / ^{83}Ga, E not given; measured Eγ, Iγ, Eβ, Iβ, $\gamma\gamma$-coin. ^{81}Ga, ^{83}Ge deduced levels, J, π. Online mass separator. JOUR NUPAB 787 110c
^{81}Se	2007CI05	NUCLEAR REACTIONS ^{2}H(^{90}Zr, pγ), (^{80}Se, pγ), E=4 MeV / nucleon; measured Eγ, Ep, pγ-coinc. JOUR NIMBE 261 938

A=82

^{82}Ge	2007DE37	NUCLEAR REACTIONS ^{192}Os, ^{238}U(^{82}Se, X)^{80}Zn / ^{81}Ga / ^{82}Ge / ^{83}As / ^{84}Se / ^{85}Se / ^{87}Kr, E=460, 505 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{80}Zn, ^{81}Ga, ^{82}Ge, ^{83}As, ^{84,85}Se, ^{87}Kr deduced levels, J, π. Comparison with Oxbash shell model. ^{206}Pb(^{132}Xe, X), (^{144}Xe, X), E=8.26 MeV / nucleon; calculated production σ of neutron-rich nuclei. Grazing coupled channels model. JOUR NUPAB 787 74c
	2007RZ02	RADIOACTIVITY ^{82}Ge(IT)[from ^{248}Cm(SF)]; measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{82}Ge deduced levels, J, π. JOUR PRVCA 76 027302
^{82}Nb	2007CA26	NUCLEAR REACTIONS ^{9}Be(^{107}Ag, X)^{82}Nb, E=750 MeV / nucleon; measured Eγ, Iγ, lifetime of low lying isomeric state. ^{82}Nb deduced levels, J, π. JOUR APOBB 38 1271
	2007RE18	NUCLEAR REACTIONS Be(^{107}Ag, X)^{82}Nb / ^{84}Nb / ^{86}Tc / ^{87}Tc / ^{88}Tc, E=750 MeV / nucleon; measured delayed Eγ, Iγ, (particle)γ-coin, yield. ^{82}Nb, ^{86}Tc deduced level energy of first excited state. JOUR NUPAB 787 491c

A=83

^{83}Ga	2007IB01	NUCLEAR REACTIONS ^{238}U(γ, F)^{78}Zn / ^{132}Sn, E not given; measured fission fragment yields. ALTO facility. ^{238}U(n, F)^{81}Zn / ^{83}Ga, E not given; measured Eγ, Iγ, Eβ, Iβ, $\gamma\gamma$-coin. ^{81}Ga, ^{83}Ge deduced levels, J, π. Online mass separator. JOUR NUPAB 787 110c
^{83}Ge	2007IB01	NUCLEAR REACTIONS ^{238}U(γ, F)^{78}Zn / ^{132}Sn, E not given; measured fission fragment yields. ALTO facility. ^{238}U(n, F)^{81}Zn / ^{83}Ga, E not given; measured Eγ, Iγ, Eβ, Iβ, $\gamma\gamma$-coin. ^{81}Ga, ^{83}Ge deduced levels, J, π. Online mass separator. JOUR NUPAB 787 110c
	2007JO09	NUCLEAR REACTIONS ^{2}H(^{82}Ge, p), E=4 MeV / nucleon; ^{2}H(^{84}Se, p), E=4.5 MeV / nucleon; ^{2}H(^{132}Sn, p), E=4.77 MeV / nucleon; measured Ep and angular distributions. ^{83}Ge, ^{85}Se, ^{133}Sn deduced levels, J, π and spectroscopic factors. Compared results to model calculations. JOUR APOBB 38 1205
^{83}As	2007DE37	NUCLEAR REACTIONS ^{192}Os, ^{238}U(^{82}Se, X)^{80}Zn / ^{81}Ga / ^{82}Ge / ^{83}As / ^{84}Se / ^{85}Se / ^{87}Kr, E=460, 505 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{80}Zn, ^{81}Ga, ^{82}Ge, ^{83}As, ^{84,85}Se, ^{87}Kr deduced levels, J, π. Comparison with Oxbash shell model. ^{206}Pb(^{132}Xe, X), (^{144}Xe, X), E=8.26 MeV / nucleon; calculated production σ of neutron-rich nuclei. Grazing coupled channels model. JOUR NUPAB 787 74c
^{83}Nb	2007FI07	NUCLEAR REACTIONS ^{28}Si(^{58}Ni, 2np)^{83}Nb, E=204, 215 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{83}Nb deduced levels, J, π, transition multipolarities, mixing ratios and transition quadrupole moments. JOUR PRVCA 75 064310

A=84

^{84}Se	2007DE37	NUCLEAR REACTIONS ^{192}Os, ^{238}U(^{82}Se, X)^{80}Zn / ^{81}Ga / ^{82}Ge / ^{83}As / ^{84}Se / ^{85}Se / ^{87}Kr, E=460, 505 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{80}Zn, ^{81}Ga, ^{82}Ge, ^{83}As, ^{84,85}Se, ^{87}Kr deduced levels, J, π. Comparison with Oxbash shell model. ^{206}Pb(^{132}Xe, X), (^{144}Xe, X), E=8.26 MeV / nucleon; calculated production σ of neutron-rich nuclei. Grazing coupled channels model. JOUR NUPAB 787 74c
^{84}Nb	2007RE18	NUCLEAR REACTIONS Be(^{107}Ag, X)^{82}Nb / ^{84}Nb / ^{86}Tc / ^{87}Tc / ^{88}Tc, E=750 MeV / nucleon; measured delayed Eγ, Iγ, (particle)γ-coin, yield. ^{82}Nb, ^{86}Tc deduced level energy of first excited state. JOUR NUPAB 787 491c

A=85

^{85}Se	2007DE37	NUCLEAR REACTIONS ^{192}Os, ^{238}U(^{82}Se, X)^{80}Zn / ^{81}Ga / ^{82}Ge / ^{83}As / ^{84}Se / ^{85}Se / ^{87}Kr, E=460, 505 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{80}Zn, ^{81}Ga, ^{82}Ge, ^{83}As, ^{84,85}Se, ^{87}Kr deduced levels, J, π. Comparison with Oxbash shell model. ^{206}Pb(^{132}Xe, X), (^{144}Xe, X), E=8.26 MeV / nucleon; calculated production σ of neutron-rich nuclei. Grazing coupled channels model. JOUR NUPAB 787 74c

A=85 *(continued)*

	2007JO09	NUCLEAR REACTIONS ^{2}H(^{82}Ge, p), E=4 MeV / nucleon; ^{2}H(^{84}Se, p), E=4.5 MeV / nucleon; ^{2}H(^{132}Sn, p), E=4.77 MeV / nucleon; measured Ep and angular distributions. ^{83}Ge, ^{85}Se, ^{133}Sn deduced levels, J, π and spectroscopic factors. Compared results to model calculations. JOUR APOBB 38 1205

A=86

^{86}Mo	2007AN21	NUCLEAR REACTIONS ^{58}Ni(^{36}Ar, X)^{86} / ^{88}Mo, E=111 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{86,88}Mo deduced levels, J, π. JOUR PRVCA 76 014307
^{86}Tc	2007RE18	NUCLEAR REACTIONS Be(^{107}Ag, X)^{82}Nb / ^{84}Nb / ^{86}Tc / ^{87}Tc / ^{88}Tc, E=750 MeV / nucleon; measured delayed Eγ, Iγ, (particle)γ-coin, yield. ^{82}Nb, ^{86}Tc deduced level energy of first excited state. JOUR NUPAB 787 491c

A=87

^{87}Kr	2007DE37	NUCLEAR REACTIONS ^{192}Os, ^{238}U(^{82}Se, X)^{80}Zn / ^{81}Ga / ^{82}Ge / ^{83}As / ^{84}Se / ^{85}Se / ^{87}Kr, E=460, 505 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{80}Zn, ^{81}Ga, ^{82}Ge, ^{83}As, ^{84,85}Se, ^{87}Kr deduced levels, J, π. Comparison with Oxbash shell model. ^{206}Pb(^{132}Xe, X), (^{144}Xe, X), E=8.26 MeV / nucleon; calculated production σ of neutron-rich nuclei. Grazing coupled channels model. JOUR NUPAB 787 74c
^{87}Tc	2007RE18	NUCLEAR REACTIONS Be(^{107}Ag, X)^{82}Nb / ^{84}Nb / ^{86}Tc / ^{87}Tc / ^{88}Tc, E=750 MeV / nucleon; measured delayed Eγ, Iγ, (particle)γ-coin, yield. ^{82}Nb, ^{86}Tc deduced level energy of first excited state. JOUR NUPAB 787 491c

A=88

^{88}Sr	2007GOZW	NUCLEAR REACTIONS Sr(n, n'γ)^{88}Sr, E=fast; measured Eγ, Iγ, DSAM; ^{88}Sr deduced levels, J, π, τ. Reactor, fast neutron facilities. CONF Voronezh(Nucleus-2007),Contrib,P102,Govor
^{88}Mo	2007AN21	NUCLEAR REACTIONS ^{58}Ni(^{36}Ar, X)^{86} / ^{88}Mo, E=111 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{86,88}Mo deduced levels, J, π. JOUR PRVCA 76 014307
^{88}Tc	2007RE18	NUCLEAR REACTIONS Be(^{107}Ag, X)^{82}Nb / ^{84}Nb / ^{86}Tc / ^{87}Tc / ^{88}Tc, E=750 MeV / nucleon; measured delayed Eγ, Iγ, (particle)γ-coin, yield. ^{82}Nb, ^{86}Tc deduced level energy of first excited state. JOUR NUPAB 787 491c

A=89

^{89}Zr	2007HU16	NUCLEAR REACTIONS ^{90}Zr, ^{116}Sn, ^{208}Pb(α, α'n), E=200 MeV; measured measured σ, angular distributions. Deduced ISGDR direct-decay branching ratios. JOUR APOBB 38 1479
	2007HU20	NUCLEAR REACTIONS ^{90}Zr, ^{116}Sn, ^{208}Pb(α, α'n), E=200 MeV; measured σ and angular distributions. ^{90}Zr, ^{116}Sn, ^{208}Pb deduced branching ratios for direct and statistical neutron decay of isoscalar giant dipole resonance. JOUR PANUE 70 1407

A=90

^{90}Sr	2007AL42	RADIOACTIVITY ^{90}Sr(β^-); measured internal bremsstrahlung spectrum using the beta-stopper method. Compared results to model calculations. JOUR IMPEE 16 1733
^{90}Y	2007AL42	RADIOACTIVITY ^{90}Sr(β^-); measured internal bremsstrahlung spectrum using the beta-stopper method. Compared results to model calculations. JOUR IMPEE 16 1733
^{90}Zr	2007HU20	NUCLEAR REACTIONS ^{90}Zr, ^{116}Sn, ^{208}Pb(α, α'n), E=200 MeV; measured σ and angular distributions. ^{90}Zr, ^{116}Sn, ^{208}Pb deduced branching ratios for direct and statistical neutron decay of isoscalar giant dipole resonance. JOUR PANUE 70 1407
^{90}Nb	2007ZEZZ	NUCLEAR REACTIONS ^{12,13}C, ^{18}O, ^{26}Mg, ^{58}Ni, ^{60}Ni, ^{90}Zr, ^{118}Sn, ^{208}Pb(^{3}He, t), E=420 MeV; measured triton spectra and cross sections. Deduced B(GT). PREPRINT arXiv:0707.2840v1 [nucl-ex]

A=91

^{91}Zr	2007CI05	NUCLEAR REACTIONS ^{2}H(^{90}Zr, pγ), (^{80}Se, pγ), E=4 MeV / nucleon; measured Eγ, Ep, pγ-coinc. JOUR NIMBE 261 938
	2007TH07	NUCLEAR REACTIONS ^{82}Se(^{13}C, 4n)^{91}Zr, E=50 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{91}Zr deduced levels, J, π. JOUR APOBB 38 1381

A=92

^{92}Zr	2007CO21	NUCLEAR REACTIONS ^{208}Pb(^{40}Ca, X), E=235, 249 MeV; analyzed single and paired nucleon transfer σ. ^{208}Pb(^{40}Ca, X)^{42}Ca, E=225, 236, 250 MeV; analyzed total kinetic energy loss distribution. ^{208}Pb(^{90}Zr, X), E=560 MeV; analyzed fragment mass distributions, σ; measured Eγ, Iγ, (particle)γ-coin, DSA. ^{92}Zr deduced levels, J, π. ^{238}U(^{82}Se, X), E=500 MeV; measured fragment yields, σ. Prisma and Clara arrays. Mutli-nucleon transfer reaction mechanisms discussed. JOUR NUPAB 787 160c
^{92}Rh	2007PE14	NUCLEAR REACTIONS ^{40}Ca(^{58}Ni, npα), E=240 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc, (particle)γ-coinc. ^{92}Rh deduced levels, J, π. JOUR PRVCA 76 011304

A=93

No references found

A=94

^{94}Mo	2007BU23	NUCLEAR REACTIONS ^{94}Mo(e, e'), E=70 MeV; ^{94}Mo(p, p'), E=200 MeV; measured σ and excitation strengths. Compared results to model calculations. JOUR PRLTA 99 092503
^{94}Ag	2007RO16	NUCLEAR REACTIONS ^{58}Ni(^{40}Ca, 3np), E not given; measured Ep, Eγ, pγ-coinc. Deduced spectroscopic factors and deformation parameters. JOUR APOBB 38 1121

A=95

^{95}Kr	2007SI16	NUCLEAR REACTIONS ^{239,241}Pu(n, F), E=thermal; measured Eγ, Iγ from isomeric decays. ^{95}Kr, ^{96}Rb, ^{98}Zr deduced levels, J, π. JOUR APOBB 38 1321
^{95}Y	2007HA32	ATOMIC MASSES ^{95,96,97,98,99,100,101}Y, ^{101,102,103,104,105,106,107}Nb; measured masses; analyzed two neutron separation energy. JYFLTRAP double Penning trap. Comparison with model predictions and previous data. JOUR NUPAB 793 20
^{95}Zr	2007SZ05	NUCLEAR REACTIONS ^{98}Zr(^{40}Ca, X), E=152 MeV; ^{208}Pb(^{90}Zr, X), E=560 MeV; measured EΓ, Iγ, (particle)γ-coinc. ^{95}Zr, ^{42}Ca deduced levels. JOUR PRVCA 76 024604

A=96

^{96}Rb	2007SI16	NUCLEAR REACTIONS ^{239,241}Pu(n, F), E=thermal; measured Eγ, Iγ from isomeric decays. ^{95}Kr, ^{96}Rb, ^{98}Zr deduced levels, J, π. JOUR APOBB 38 1321
^{96}Y	2007HA32	ATOMIC MASSES ^{95,96,97,98,99,100,101}Y, ^{101,102,103,104,105,106,107}Nb; measured masses; analyzed two neutron separation energy. JYFLTRAP double Penning trap. Comparison with model predictions and previous data. JOUR NUPAB 793 20
^{96}Pd	2007MY02	NUCLEAR REACTIONS ^{9}Be(^{107}Ag, X)^{96}Pd, E=750 MeV / nucleon; measured Eγ, Iγ from the decay of the isomeric states. Deduced isomeric ratios. JOUR APOBB 38 1277

A=97

^{97}Y	2007HA32	ATOMIC MASSES ^{95,96,97,98,99,100,101}Y, ^{101,102,103,104,105,106,107}Nb; measured masses; analyzed two neutron separation energy. JYFLTRAP double Penning trap. Comparison with model predictions and previous data. JOUR NUPAB 793 20

A=97 *(continued)*

^{97}Rh	2007SEZW	NUCLEAR REACTIONS ^{96}Ru(p, γ), E=4.0-6.5 MeV; measured Eγ, Iγ; ^{97}Rh deduced levels, Jπ. CONF Voronezh(Nucleus-2007),Contrib,P101,Sergeev

A=98

^{98}Y	2007HA32	ATOMIC MASSES ^{95,96,97,98,99,100,101}Y, ^{101,102,103,104,105,106,107}Nb; measured masses; analyzed two neutron separation energy. JYFLTRAP double Penning trap. Comparison with model predictions and previous data. JOUR NUPAB 793 20
^{98}Zr	2007SI16	NUCLEAR REACTIONS ^{239,241}Pu(n, F), E=thermal; measured Eγ, Iγ from isomeric decays. ^{95}Kr, ^{96}Rb, ^{98}Zr deduced levels, J, π. JOUR APOBB 38 1321

A=99

^{99}Y	2007HA32	ATOMIC MASSES ^{95,96,97,98,99,100,101}Y, ^{101,102,103,104,105,106,107}Nb; measured masses; analyzed two neutron separation energy. JYFLTRAP double Penning trap. Comparison with model predictions and previous data. JOUR NUPAB 793 20

A=100

^{100}Y	2007HA32	ATOMIC MASSES ^{95,96,97,98,99,100,101}Y, ^{101,102,103,104,105,106,107}Nb; measured masses; analyzed two neutron separation energy. JYFLTRAP double Penning trap. Comparison with model predictions and previous data. JOUR NUPAB 793 20

A=101

^{101}Y	2007HA32	ATOMIC MASSES ^{95,96,97,98,99,100,101}Y, ^{101,102,103,104,105,106,107}Nb; measured masses; analyzed two neutron separation energy. JYFLTRAP double Penning trap. Comparison with model predictions and previous data. JOUR NUPAB 793 20
^{101}Nb	2007HA32	ATOMIC MASSES ^{95,96,97,98,99,100,101}Y, ^{101,102,103,104,105,106,107}Nb; measured masses; analyzed two neutron separation energy. JYFLTRAP double Penning trap. Comparison with model predictions and previous data. JOUR NUPAB 793 20
^{101}Sn	2007SE04	NUCLEAR REACTIONS ^{46}Ti(^{58}Ni, X)^{101}Sn, E=192 MeV; measured Eγ, Ep, pγ-coinc. ^{101}Sn deduced levels and relative single particle energies. JOUR PRLTA 99 022504

A=102

^{102}Nb	2007HA32	ATOMIC MASSES ^{95,96,97,98,99,100,101}Y, ^{101,102,103,104,105,106,107}Nb; measured masses; analyzed two neutron separation energy. JYFLTRAP double Penning trap. Comparison with model predictions and previous data. JOUR NUPAB 793 20

A=103

^{103}Nb	2007HA32	ATOMIC MASSES ^{95,96,97,98,99,100,101}Y, ^{101,102,103,104,105,106,107}Nb; measured masses; analyzed two neutron separation energy. JYFLTRAP double Penning trap. Comparison with model predictions and previous data. JOUR NUPAB 793 20

A=104

^{104}Zr	2007GO21	RADIOACTIVITY ^{252}Cf(SF); measured Eγ, Iγ, $\gamma\gamma$-coin, fission fragment and light charged particle yields. ^{108,110,112}Ru deduced levels, J, π. ^{104}Zr, ^{106}Mo, ^{148}Ce(IT); measured $T_{1/2}$, B(E2). Gammasphere array. JOUR NUPAB 787 231c
^{104}Nb	2007HA32	ATOMIC MASSES ^{95,96,97,98,99,100,101}Y, ^{101,102,103,104,105,106,107}Nb; measured masses; analyzed two neutron separation energy. JYFLTRAP double Penning trap. Comparison with model predictions and previous data. JOUR NUPAB 793 20
^{104}Pd	2007SP04	NUCLEAR REACTIONS ^{62}Ni(α, γ), E=5, 9 MeV; ^{103}Rh(p, γ), E=3, 5 MeV; measured Eγ, Iγ. Deduced total cross sections. Compared results to model calculations. JOUR PRVCA 76 015802

A=105

^{105}Nb	2007HA32	ATOMIC MASSES ^{95,96,97,98,99,100,101}Y, ^{101,102,103,104,105,106,107}Nb; measured masses; analyzed two neutron separation energy. JYFLTRAP double Penning trap. Comparison with model predictions and previous data. JOUR NUPAB 793 20
^{105}Ag	2007TI07	NUCLEAR REACTIONS ^{100}Mo(^{10}B, 5n), E=58, 64 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{105}Ag deduced levels, J, π, multipolarities. JOUR PRVCA 76 024307

A=106

^{106}Nb	2007HA32	ATOMIC MASSES ^{95,96,97,98,99,100,101}Y, ^{101,102,103,104,105,106,107}Nb; measured masses; analyzed two neutron separation energy. JYFLTRAP double Penning trap. Comparison with model predictions and previous data. JOUR NUPAB 793 20

A=106 *(continued)*

^{106}Mo	2007GO21	RADIOACTIVITY ^{252}Cf(SF); measured Eγ, Iγ, $\gamma\gamma$-coin, fission fragment and light charged particle yields. ^{108,110,112}Ru deduced levels, J, π. ^{104}Zr, ^{106}Mo, ^{148}Ce(IT); measured $T_{1/2}$, B(E2). Gammasphere array. JOUR NUPAB 787 231c
^{106}Tc	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{106}Ru	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{106}Pd	2007BL15	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128,130}Te($\beta^-\beta^-$); ^{64}Zn, ^{106}Cd, ^{120}Te($\beta^+\beta^+$); measured summed Eβ. Deduced upper limits for $T_{1/2}$. JOUR PRVCA 76 025501
	2007RUZY	RADIOACTIVITY ^{106}Cd(β^+EC), (2EC); measured $\gamma\gamma$, xγ-coin; deduced $T_{1/2}$ lower limits for 2νEC / EC decay, for 2$\nu\beta^+$ / EC and 2νEC / EC branches to ground and excited states. Underground laboratory, TGV-2spectrometer. CONF Voronezh(Nucleus-2007),Contrib,P181,Rukhadze
^{106}Cd	2007AS05	NUCLEAR REACTIONS ^{98}Mo(^{12}C, 4n)^{106}Cd, E=60 MeV; ^{96}Mo(^{13}C, 3n)^{106}Cd, E=43 MeV; measured Eγ, Iγ, lifetimes for isomeric states. JOUR APOBB 38 1385
	2007BL15	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128,130}Te($\beta^-\beta^-$); ^{64}Zn, ^{106}Cd, ^{120}Te($\beta^+\beta^+$); measured summed Eβ. Deduced upper limits for $T_{1/2}$. JOUR PRVCA 76 025501
	2007RUZY	RADIOACTIVITY ^{106}Cd(β^+EC), (2EC); measured $\gamma\gamma$, xγ-coin; deduced $T_{1/2}$ lower limits for 2νEC / EC decay, for 2$\nu\beta^+$ / EC and 2νEC / EC branches to ground and excited states. Underground laboratory, TGV-2spectrometer. CONF Voronezh(Nucleus-2007),Contrib,P181,Rukhadze

A=107

^{107}Nb	2007HA32	ATOMIC MASSES ^{95,96,97,98,99,100,101}Y, ^{101,102,103,104,105,106,107}Nb; measured masses; analyzed two neutron separation energy. JYFLTRAP double Penning trap. Comparison with model predictions and previous data. JOUR NUPAB 793 20
^{107}Tc	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302

A=107 ***(continued)***

^{107}Ru	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302

A=108

^{108}Tc	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{108}Ru	2007GO21	RADIOACTIVITY ^{252}Cf(SF); measured Eγ, Iγ, $\gamma\gamma$-coin, fission fragment and light charged particle yields. ^{108,110,112}Ru deduced levels, J, π. ^{104}Zr, ^{106}Mo, ^{148}Ce(IT); measured $T_{1/2}$, B(E2). Gammasphere array. JOUR NUPAB 787 231c
	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{108}Rh	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302

A=109

^{109}Tc	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{109}Ru	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{109}Rh	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302

A=109 *(continued)*

^{109}Pd	2007MA66	NUCLEAR REACTIONS ^{110}Pd, ^{112}Cd(γ, n), E=8-18 MeV; measured cross sections and excitation functions for populating the isomeric states. JOUR UKPJA 52 744
^{109}Ag	2007VI10	RADIOACTIVITY ^{109}Cd(EC); measured Eγ, Iγ, E(X-ray). ^{109}Ag deduced double ionization probability. JOUR BRSPE 71 890
^{109}Cd	2007VI10	RADIOACTIVITY ^{109}Cd(EC); measured Eγ, Iγ, E(X-ray). ^{109}Ag deduced double ionization probability. JOUR BRSPE 71 890

A=110

^{110}Tc	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{110}Ru	2007GO21	RADIOACTIVITY ^{252}Cf(SF); measured Eγ, Iγ, $\gamma\gamma$-coin, fission fragment and light charged particle yields. ^{108,110,112}Ru deduced levels, J, π. ^{104}Zr, ^{106}Mo, ^{148}Ce(IT); measured $T_{1/2}$, B(E2). Gammasphere array. JOUR NUPAB 787 231c
	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{110}Rh	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{110}Xe	2007SA36	NUCLEAR REACTIONS ^{58}Ni(^{54}Fe, X)^{110}Xe, E=195 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{110}Xe deduced levels and B(E2). JOUR PRLTA 99 022501

A=111

^{111}Ru	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{111}Rh	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302

A=111 ***(continued)***

^{111}Cd	2007MA66	NUCLEAR REACTIONS ^{110}Pd, ^{112}Cd(γ, n), E=8-18 MeV; measured cross sections and excitation functions for populating the isomeric states. JOUR UKPJA 52 744
^{111}In	2007RE12	NUCLEAR REACTIONS Sn(α, X)^{116}Te / ^{117}Te / ^{118}Te / ^{119}Te / ^{121}Te / ^{123}Te / ^{117}Sb / ^{118}Sb / ^{120}Sb / ^{122}Sb / ^{124}Sb / ^{126}Sb / ^{117}Sn / ^{111}In, E=12-38 MeV; measured Eγ, Iγ, cross sections and excitation functions using stacked foil activation technique. JOUR NIMBE 260 672

A=112

^{112}Ru	2007GO21	RADIOACTIVITY ^{252}Cf(SF); measured Eγ, Iγ, $\gamma\gamma$-coin, fission fragment and light charged particle yields. ^{108,110,112}Ru deduced levels, J, π. ^{104}Zr, ^{106}Mo, ^{148}Ce(IT); measured $T_{1/2}$, B(E2). Gammasphere array. JOUR NUPAB 787 231c
	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{112}Rh	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{112}Pd	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{112}In	2007KI13	RADIOACTIVITY ^{64}Zn, ^{112}Sn(β^+), (EC);^{124}Sn($2\beta^-$); measured Eγ, Iγ; deduced $T_{1/2}$ lower limits for β+, EC and 0ν-accompanied 2β-decay to ground and excited states. Comparison with theoretical values and previous data. JOUR NUPAB 793 171
^{112}Sn	2007KI13	RADIOACTIVITY ^{64}Zn, ^{112}Sn(β^+), (EC);^{124}Sn($2\beta^-$); measured Eγ, Iγ; deduced $T_{1/2}$ lower limits for β+, EC and 0ν-accompanied 2β-decay to ground and excited states. Comparison with theoretical values and previous data. JOUR NUPAB 793 171
	2007OR04	NUCLEAR REACTIONS ^{112}Sn(n, n'γ), E=1.7 MeV; measured Eγ, Ig, angular distributions. Deduced lifetime and B(E2) using DSAM. JOUR PRVCA 76 021302

A=113

^{113}Ru	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{113}Rh	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{113}Pd	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{113}In	2007VI09	NUCLEAR REACTIONS ^{113,115}In(e^+, $e^{+\prime}$), E=3.9 MeV; measured Eγ, Iγ from isomeric excitations. JOUR BRSPE 71 884

A=114

^{114}Ru	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{114}Rh	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{114}Pd	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302

A=115

^{115}Ru	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302

A=115 *(continued)*

^{115}Rh	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{115}Pd	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{115}In	2007VI09	NUCLEAR REACTIONS ^{113,115}In(e^+, e^+'), E=3.9 MeV; measured Eγ, Iγ from isomeric excitations. JOUR BRSPE 71 884
^{115}Sn	2007HU16	NUCLEAR REACTIONS ^{90}Zr, ^{116}Sn, ^{208}Pb(α, α'n), E=200 MeV; measured measured σ, angular distributions. Deduced ISGDR direct-decay branching ratios. JOUR APOBB 38 1479
	2007HU20	NUCLEAR REACTIONS ^{90}Zr, ^{116}Sn, ^{208}Pb(α, α'n), E=200 MeV; measured σ and angular distributions. ^{90}Zr, ^{116}Sn, ^{208}Pb deduced branching ratios for direct and statistical neutron decay of isoscalar giant dipole resonance. JOUR PANUE 70 1407

A=116

^{116}Rh	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{116}Pd	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{116}Cd	2007BL15	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128,130}Te($\beta^-\beta^-$); ^{64}Zn, ^{106}Cd, ^{120}Te($\beta^+\beta^+$); measured summed Eβ. Deduced upper limits for $T_{1/2}$. JOUR PRVCA 76 025501
	2007BLZY	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128}Te, ^{130}Te($2\beta^-$); measured summed β energies. Deduced $T_{1/2}$ limits. PREPRINT arXiv:0707.2756v1 [nucl-ex]
^{116}In	2007VIZZ	NUCLEAR REACTIONS ^{118}Sn(γ, p), (γ, d), ^{121}Sb(γ, n), (γ, α), (γ, αn), E(end point)=22 MeV; measured integral cross-sections. Betatron, activation method, NaI(Tl) detector. CONF Voronezh(Nucleus-2007),Contrib,P121,Vishnevsky
^{116}Sn	2007BL15	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128,130}Te($\beta^-\beta^-$); ^{64}Zn, ^{106}Cd, ^{120}Te($\beta^+\beta^+$); measured summed Eβ. Deduced upper limits for $T_{1/2}$. JOUR PRVCA 76 025501
	2007BLZY	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128}Te, ^{130}Te($2\beta^-$); measured summed β energies. Deduced $T_{1/2}$ limits. PREPRINT arXiv:0707.2756v1 [nucl-ex]

A=116 ***(continued)***

	2007HU20	NUCLEAR REACTIONS ^{90}Zr, ^{116}Sn, ^{208}Pb(α, α'n), E=200 MeV; measured σ and angular distributions. ^{90}Zr, ^{116}Sn, ^{208}Pb deduced branching ratios for direct and statistical neutron decay of isoscalar giant dipole resonance. JOUR PANUE 70 1407
^{116}Te	2007RE12	NUCLEAR REACTIONS Sn(α, X)^{116}Te / ^{117}Te / ^{118}Te / ^{119}Te / ^{121}Te / ^{123}Te / ^{117}Sb / ^{118}Sb / ^{120}Sb / ^{122}Sb / ^{124}Sb / ^{126}Sb / ^{117}Sn / ^{111}In, E=12-38 MeV; measured Eγ, Iγ, cross sections and excitation functions using stacked foil activation technique. JOUR NIMBE 260 672

A=117

^{117}Rh	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{117}Pd	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
	2007ST19	NUCLEAR REACTIONS ^{238}U(α, F), E=30 MeV; measured fission fragment yield, Eγ, Iγ, (fragment)γ-coin. ^{117,118,120}Pd, ^{122,124}Cd deduced levels, J, π. JOUR NUPAB 787 455c
^{117}In	2007VIZZ	NUCLEAR REACTIONS ^{118}Sn(γ, p), (γ, d), ^{121}Sb(γ, n), (γ, α), (γ, αn), E(end point)=22 MeV; measured integral cross-sections. Betatron, activation method, NaI(Tl) detector. CONF Voronezh(Nucleus-2007),Contrib,P121,Vishnevsky
^{117}Sn	2007RE12	NUCLEAR REACTIONS Sn(α, X)^{116}Te / ^{117}Te / ^{118}Te / ^{119}Te / ^{121}Te / ^{123}Te / ^{117}Sb / ^{118}Sb / ^{120}Sb / ^{122}Sb / ^{124}Sb / ^{126}Sb / ^{117}Sn / ^{111}In, E=12-38 MeV; measured Eγ, Iγ, cross sections and excitation functions using stacked foil activation technique. JOUR NIMBE 260 672
^{117}Sb	2007RE12	NUCLEAR REACTIONS Sn(α, X)^{116}Te / ^{117}Te / ^{118}Te / ^{119}Te / ^{121}Te / ^{123}Te / ^{117}Sb / ^{118}Sb / ^{120}Sb / ^{122}Sb / ^{124}Sb / ^{126}Sb / ^{117}Sn / ^{111}In, E=12-38 MeV; measured Eγ, Iγ, cross sections and excitation functions using stacked foil activation technique. JOUR NIMBE 260 672
^{117}Te	2007RE12	NUCLEAR REACTIONS Sn(α, X)^{116}Te / ^{117}Te / ^{118}Te / ^{119}Te / ^{121}Te / ^{123}Te / ^{117}Sb / ^{118}Sb / ^{120}Sb / ^{122}Sb / ^{124}Sb / ^{126}Sb / ^{117}Sn / ^{111}In, E=12-38 MeV; measured Eγ, Iγ, cross sections and excitation functions using stacked foil activation technique. JOUR NIMBE 260 672

A=118

^{118}Rh	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{118}Pd	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
	2007ST19	NUCLEAR REACTIONS ^{238}U(α, F), E=30 MeV; measured fission fragment yield, Eγ, Iγ, (fragment)γ-coin. ^{117,118,120}Pd, ^{122,124}Cd deduced levels, J, π. JOUR NUPAB 787 455c
^{118}Sb	2007RE12	NUCLEAR REACTIONS Sn(α, X)^{116}Te / ^{117}Te / ^{118}Te / ^{119}Te / ^{121}Te / ^{123}Te / ^{117}Sb / ^{118}Sb / ^{120}Sb / ^{122}Sb / ^{124}Sb / ^{126}Sb / ^{117}Sn / ^{111}In, E=12-38 MeV; measured Eγ, Iγ, cross sections and excitation functions using stacked foil activation technique. JOUR NIMBE 260 672
	2007ZEZZ	NUCLEAR REACTIONS ^{12,13}C, ^{18}O, ^{26}Mg, ^{58}Ni, ^{60}Ni, ^{90}Zr, ^{118}Sn, ^{208}Pb(^{3}He, t), E=420 MeV; measured triton spectra and cross sections. Deduced B(GT). PREPRINT arXiv:0707.2840v1 [nucl-ex]
^{118}Te	2007HE20	NUCLEAR REACTIONS ^{64}Ni(^{64}Ni, F), E=255, 261 MeV; measured Eγ, Iγ, (particle)γ-coinc, charged particle angular distributions. ^{118}Te, ^{124}Xe, ^{124,125}Cs deduced levels, J. JOUR APOBB 38 1421
	2007RE12	NUCLEAR REACTIONS Sn(α, X)^{116}Te / ^{117}Te / ^{118}Te / ^{119}Te / ^{121}Te / ^{123}Te / ^{117}Sb / ^{118}Sb / ^{120}Sb / ^{122}Sb / ^{124}Sb / ^{126}Sb / ^{117}Sn / ^{111}In, E=12-38 MeV; measured Eγ, Iγ, cross sections and excitation functions using stacked foil activation technique. JOUR NIMBE 260 672

A=119

^{119}Pd	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
^{119}Te	2007PAZX	NUCLEAR REACTIONS ^{120,130}Te(γ, n), E(end point)=25-30 MeV; measured Eγ, Iγ; ^{119m,119g,129m,129g}Te deduced yield ratio Y_m / Y_g. Betatron, activation method, Ge(Li) detector. CONF Voronezh(Nucleus-2007),Contrib,P146,Palvanov
	2007RE12	NUCLEAR REACTIONS Sn(α, X)^{116}Te / ^{117}Te / ^{118}Te / ^{119}Te / ^{121}Te / ^{123}Te / ^{117}Sb / ^{118}Sb / ^{120}Sb / ^{122}Sb / ^{124}Sb / ^{126}Sb / ^{117}Sn / ^{111}In, E=12-38 MeV; measured Eγ, Iγ, cross sections and excitation functions using stacked foil activation technique. JOUR NIMBE 260 672

A=120

^{120}Pd	2007HA20	ATOMIC MASSES ^{106,107,108,109,110}Tc, ^{106,107,108,109,110,111,112,113,114,115}Ru, ^{108,109,110,111,112,113,114,115,116,117,118}Rh, ^{112,113,114,115,116,117,118,119,120}Pd; measured masses using the JYFLTRAP double penning trap setup. JOUR PRVCA 75 064302
	2007ST19	NUCLEAR REACTIONS ^{238}U(α, F), E=30 MeV; measured fission fragment yield, Eγ, Iγ, (fragment)γ-coin. ^{117,118,120}Pd, ^{122,124}Cd deduced levels, J, π. JOUR NUPAB 787 455c
^{120}Sn	2007BL15	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128,130}Te($\beta^-\beta^-$); ^{64}Zn, ^{106}Cd, ^{120}Te($\beta^+\beta^+$); measured summed Eβ. Deduced upper limits for $T_{1/2}$. JOUR PRVCA 76 025501
^{120}Sb	2007RE12	NUCLEAR REACTIONS Sn(α, X)^{116}Te / ^{117}Te / ^{118}Te / ^{119}Te / ^{121}Te / ^{123}Te / ^{117}Sb / ^{118}Sb / ^{120}Sb / ^{122}Sb / ^{124}Sb / ^{126}Sb / ^{117}Sn / ^{111}In, E=12-38 MeV; measured Eγ, Iγ, cross sections and excitation functions using stacked foil activation technique. JOUR NIMBE 260 672
	2007VIZY	NUCLEAR REACTIONS ^{121}Sb(γ, n), ^{153}Eu(γ, n), E(end point)=12.5, 22 MeV;^{151}Eu(n, γ), E=thermal, slow; measured Eγ, Iγ; ^{120m,120g}Sb, ^{152m,152g}Eu deduced yield ratio Y_m / Y_g; ^{152m,152g}Eu deduced $\sigma(8^-)$ / $\sigma(0^-)$. Microtron, betatron, reactor, activation method, NaI(Tl), Ge detectors. CONF Voronezh(Nucleus-2007),Contrib,P135,Vishnevsky
	2007VIZZ	NUCLEAR REACTIONS ^{118}Sn(γ, p), (γ, d), ^{121}Sb(γ, n), (γ, α), (γ, αn), E(end point)=22 MeV; measured integral cross-sections. Betatron, activation method, NaI(Tl) detector. CONF Voronezh(Nucleus-2007),Contrib,P121,Vishnevsky
^{120}Te	2007BL15	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128,130}Te($\beta^-\beta^-$); ^{64}Zn, ^{106}Cd, ^{120}Te($\beta^+\beta^+$); measured summed Eβ. Deduced upper limits for $T_{1/2}$. JOUR PRVCA 76 025501

A=121

^{121}Te	2007RE12	NUCLEAR REACTIONS Sn(α, X)^{116}Te / ^{117}Te / ^{118}Te / ^{119}Te / ^{121}Te / ^{123}Te / ^{117}Sb / ^{118}Sb / ^{120}Sb / ^{122}Sb / ^{124}Sb / ^{126}Sb / ^{117}Sn / ^{111}In, E=12-38 MeV; measured Eγ, Iγ, cross sections and excitation functions using stacked foil activation technique. JOUR NIMBE 260 672

A=122

^{122}Cd	2007ST19	NUCLEAR REACTIONS ^{238}U(α, F), E=30 MeV; measured fission fragment yield, Eγ, Iγ, (fragment)γ-coin. ^{117,118,120}Pd, ^{122,124}Cd deduced levels, J, π. JOUR NUPAB 787 455c
^{122}Sb	2007RE12	NUCLEAR REACTIONS Sn(α, X)^{116}Te / ^{117}Te / ^{118}Te / ^{119}Te / ^{121}Te / ^{123}Te / ^{117}Sb / ^{118}Sb / ^{120}Sb / ^{122}Sb / ^{124}Sb / ^{126}Sb / ^{117}Sn / ^{111}In, E=12-38 MeV; measured Eγ, Iγ, cross sections and excitation functions using stacked foil activation technique. JOUR NIMBE 260 672

A=123

^{123}Te	2007RE12	NUCLEAR REACTIONS Sn(α, X)^{116}Te / ^{117}Te / ^{118}Te / ^{119}Te / ^{121}Te / ^{123}Te / ^{117}Sb / ^{118}Sb / ^{120}Sb / ^{122}Sb / ^{124}Sb / ^{126}Sb / ^{117}Sn / ^{111}In, E=12-38 MeV; measured Eγ, Iγ, cross sections and excitation functions using stacked foil activation technique. JOUR NIMBE 260 672
^{123}I	2007BEZT	NUCLEAR REACTIONS ^{127}I(γ, n), (γ, 3n), (γ, 4n), E(end point)=50 MeV; measured Eγ; deduced yields of reactions. Microtron, activation method, HPGe detector. CONF Voronezh(Nucleus-2007),Contrib,P132,Belyshev

A=124

^{124}Cd	2007ST19	NUCLEAR REACTIONS ^{238}U(α, F), E=30 MeV; measured fission fragment yield, Eγ, Iγ, (fragment)γ-coin. ^{117,118,120}Pd, ^{122,124}Cd deduced levels, J, π. JOUR NUPAB 787 455c
^{124}Sn	2007KI13	RADIOACTIVITY ^{64}Zn, ^{112}Sn(β^+), (EC);^{124}Sn($2\beta^-$); measured Eγ, Iγ; deduced $T_{1/2}$ lower limits for β+, EC and 0ν-accompanied 2β-decay to ground and excited states. Comparison with theoretical values and previous data. JOUR NUPAB 793 171
^{124}Sb	2007RE12	NUCLEAR REACTIONS Sn(α, X)^{116}Te / ^{117}Te / ^{118}Te / ^{119}Te / ^{121}Te / ^{123}Te / ^{117}Sb / ^{118}Sb / ^{120}Sb / ^{122}Sb / ^{124}Sb / ^{126}Sb / ^{117}Sn / ^{111}In, E=12-38 MeV; measured Eγ, Iγ, cross sections and excitation functions using stacked foil activation technique. JOUR NIMBE 260 672
^{124}Te	2007KI13	RADIOACTIVITY ^{64}Zn, ^{112}Sn(β^+), (EC);^{124}Sn($2\beta^-$); measured Eγ, Iγ; deduced $T_{1/2}$ lower limits for β+, EC and 0ν-accompanied 2β-decay to ground and excited states. Comparison with theoretical values and previous data. JOUR NUPAB 793 171
^{124}I	2007BEZT	NUCLEAR REACTIONS ^{127}I(γ, n), (γ, 3n), (γ, 4n), E(end point)=50 MeV; measured Eγ; deduced yields of reactions. Microtron, activation method, HPGe detector. CONF Voronezh(Nucleus-2007),Contrib,P132,Belyshev
^{124}Xe	2007AL37	NUCLEAR REACTIONS ^{82}Se(^{48}Ca, X), E=205 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc using Gammasphere. ^{124,125,126}Xe deduced levels, J, π. JOUR APOBB 38 1431
	2007HE20	NUCLEAR REACTIONS ^{64}Ni(^{64}Ni, F), E=255, 261 MeV; measured Eγ, Iγ, (particle)γ-coinc, charged particle angular distributions. ^{118}Te, ^{124}Xe, ^{124,125}Cs deduced levels, J. JOUR APOBB 38 1421
^{124}Cs	2007HE20	NUCLEAR REACTIONS ^{64}Ni(^{64}Ni, F), E=255, 261 MeV; measured Eγ, Iγ, (particle)γ-coinc, charged particle angular distributions. ^{118}Te, ^{124}Xe, ^{124,125}Cs deduced levels, J. JOUR APOBB 38 1421

A=125

^{125}Xe	2007AL37	NUCLEAR REACTIONS ^{82}Se(^{48}Ca, X), E=205 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc using Gammasphere. ^{124,125,126}Xe deduced levels, J, π. JOUR APOBB 38 1431

A=125 *(continued)*

^{125}Cs	2007HE20	NUCLEAR REACTIONS ^{64}Ni(^{64}Ni, F), E=255, 261 MeV; measured Eγ, Iγ, (particle)γ-coinc, charged particle angular distributions. ^{118}Te, ^{124}Xe, ^{124,125}Cs deduced levels, J. JOUR APOBB 38 1421

A=126

^{126}Sb	2007RE12	NUCLEAR REACTIONS Sn(α, X)^{116}Te / ^{117}Te / ^{118}Te / ^{119}Te / ^{121}Te / ^{123}Te / ^{117}Sb / ^{118}Sb / ^{120}Sb / ^{122}Sb / ^{124}Sb / ^{126}Sb / ^{117}Sn / ^{111}In, E=12-38 MeV; measured Eγ, Iγ, cross sections and excitation functions using stacked foil activation technique. JOUR NIMBE 260 672
^{126}I	2007BEZT	NUCLEAR REACTIONS ^{127}I(γ, n), (γ, 3n), (γ, 4n), E(end point)=50 MeV; measured Eγ; deduced yields of reactions. Microtron, activation method, HPGe detector. CONF Voronezh(Nucleus-2007),Contrib,P132,Belyshev
^{126}Xe	2007AL37	NUCLEAR REACTIONS ^{82}Se(^{48}Ca, X), E=205 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc using Gammasphere. ^{124,125,126}Xe deduced levels, J, π. JOUR APOBB 38 1431

A=127

^{127}Sn	2007NE10	NUCLEAR REACTIONS ^{9}Be(^{238}U, F)^{127}Sn, E=750 MeV / nucleon; ^{9}Be(^{136}Xe, X)^{127}Sn, E=650 MeV / nucleon; measured Eγ, Iγ(θ, H, t), (particle)γ-coinc. ^{127}Sn deduced g-factor using TDPAD method. JOUR APOBB 38 1237
^{127}I	2007MA58	NUCLEAR REACTIONS ^{27}Al, ^{127}I, ^{206,207,208}Pb(n, n'γ), E not give; ^{10}B(α, pγ), E=2.27 MeV; ^{9}Be(α, nγ), E=2.27 MeV; measured yields. JOUR PRVCA 76 022801

A=128

^{128}Te	2007BL15	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128,130}Te($\beta^-\beta^-$); ^{64}Zn, ^{106}Cd, ^{120}Te($\beta^+\beta^+$); measured summed Eβ. Deduced upper limits for $T_{1/2}$. JOUR PRVCA 76 025501
	2007BLZY	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128}Te, ^{130}Te($2\beta^-$); measured summed β energies. Deduced $T_{1/2}$ limits. PREPRINT arXiv:0707.2756v1 [nucl-ex]
^{128}Xe	2007BL15	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128,130}Te($\beta^-\beta^-$); ^{64}Zn, ^{106}Cd, ^{120}Te($\beta^+\beta^+$); measured summed Eβ. Deduced upper limits for $T_{1/2}$. JOUR PRVCA 76 025501
	2007BLZY	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128}Te, ^{130}Te($2\beta^-$); measured summed β energies. Deduced $T_{1/2}$ limits. PREPRINT arXiv:0707.2756v1 [nucl-ex]

A=129

^{129}Te	2007PAZX	NUCLEAR REACTIONS ^{120,130}Te(γ, n), E(end point)=25-30 MeV; measured Eγ, Iγ; ^{119m,119g,129m,129g}Te deduced yield ratio Y_m / Y_g. Betatron, activation method, Ge(Li) detector. CONF Voronezh(Nucleus-2007),Contrib,P146,Palvanov

A=130

^{130}Te	2007BL15	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128,130}Te($\beta^-\beta^-$); ^{64}Zn, ^{106}Cd, ^{120}Te($\beta^+\beta^+$); measured summed Eβ. Deduced upper limits for $T_{1/2}$. JOUR PRVCA 76 025501
	2007BLZY	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128}Te, ^{130}Te($2\beta^-$); measured summed β energies. Deduced $T_{1/2}$ limits. PREPRINT arXiv:0707.2756v1 [nucl-ex]
^{130}Xe	2007BL15	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128,130}Te($\beta^-\beta^-$); ^{64}Zn, ^{106}Cd, ^{120}Te($\beta^+\beta^+$); measured summed Eβ. Deduced upper limits for $T_{1/2}$. JOUR PRVCA 76 025501
	2007BLZY	RADIOACTIVITY ^{70}Zn, ^{116}Cd, ^{128}Te, ^{130}Te($2\beta^-$); measured summed β energies. Deduced $T_{1/2}$ limits. PREPRINT arXiv:0707.2756v1 [nucl-ex]

A=131

No references found

A=132

^{132}Sn	2007IB01	NUCLEAR REACTIONS ^{238}U(γ, F)^{78}Zn / ^{132}Sn, E not given; measured fission fragment yields. ALTO facility. ^{238}U(n, F)^{81}Zn / ^{83}Ga, E not given; measured Eγ, Iγ, Eβ, Iβ, $\gamma\gamma$-coin. ^{81}Ga, ^{83}Ge deduced levels, J, π. Online mass separator. JOUR NUPAB 787 110c
^{132}Ce	2007WI08	NUCLEAR REACTIONS ^{68}Zn(^{64}Ni, F), E=300, 400, 500 MeV; ^{116}Sn(^{16}O, F), E=130, 250 MeV; measured Eγ, Iγ from GDR decay. ^{132}Ce deduced GDR parameters. JOUR APOBB 38 1447

A=133

^{133}Sn	2007JO09	NUCLEAR REACTIONS ^{2}H(^{82}Ge, p), E=4 MeV / nucleon; ^{2}H(^{84}Se, p), E=4.5 MeV / nucleon; ^{2}H(^{132}Sn, p), E=4.77 MeV / nucleon; measured Ep and angular distributions. ^{83}Ge, ^{85}Se, ^{133}Sn deduced levels, J, π and spectroscopic factors. Compared results to model calculations. JOUR APOBB 38 1205

A=134

^{134}La	2007KU13	NUCLEAR REACTIONS ^{124}Sn(^{14}N, 4n), E=67 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc, lifetimes. ^{134}La deduced levels, J, π. JOUR PRVCA 76 014309

A=135

^{135}Sb	2007MA40	RADIOACTIVITY ^{136}Sn(β^-); measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{135}Sb deduced levels, B(E2). JOUR APOBB 38 1213

A=136

^{136}Sn	2007MA40	RADIOACTIVITY ^{136}Sn(β^-); measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{135}Sb deduced levels, B(E2). JOUR APOBB 38 1213
^{136}Sb	2007MA40	RADIOACTIVITY ^{136}Sn(β^-); measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{135}Sb deduced levels, B(E2). JOUR APOBB 38 1213

A=137

^{137}Cs	2007SE05	RADIOACTIVITY ^{137}Cs(β^-); measured Eγ, Iγ. Deduced branching ratio and ft value. JOUR BRSPE 71 827
^{137}Ba	2007SE05	RADIOACTIVITY ^{137}Cs(β^-); measured Eγ, Iγ. Deduced branching ratio and ft value. JOUR BRSPE 71 827
^{137}Pr	2007AG13	NUCLEAR REACTIONS ^{122}Sn(^{19}F, 4n), E=80 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{137}Pr deduced levels, J, π, multipolarity. JOUR PRVCA 76 024321

A=138

No references found

A=139

^{139}Nd	2007KU12	NUCLEAR REACTIONS ^{128}Te(^{16}O, 5n), E=85 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc, polarization assymetry. ^{139}Nd deduced levels, J, π. JOUR PRVCA 76 014306
^{139}Sm	2007LIZY	NUCLEAR REACTIONS ^{114}Sn(^{32}S, n2pα), (^{32}S, n2p), E=160 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin, DSAM. ^{139}Sm, ^{142}Gd deduced high-spin levels, J, π, τ. EUROBALL IV array. CONF Voronezh(Nucleus-2007),Contrib,P94,Lieder

A=140

^{140}La 2007TAZW NUCLEAR REACTIONS ^{139}La, ^{152}Sm, ^{192,193}Ir(n, γ), E=55, 144 keV; measured cross sections relative to ^{197}Au. CONF Tokai-mura (Nuclear Data) Proc,PV.02,Tan

A=141

No references found

A=142

^{142}Gd 2007LIZY NUCLEAR REACTIONS ^{114}Sn(^{32}S, n2pα), (^{32}S, n2p), E=160 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin, DSAM. ^{139}Sm, ^{142}Gd deduced high-spin levels, J, π, τ. EUROBALL IV array. CONF Voronezh(Nucleus-2007),Contrib,P94,Lieder

A=143

^{143}La 2007WA20 RADIOACTIVITY ^{143}La[from ^{252}Cf(SF)]; measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{143}La deduced levels, J, π for high spin levels. JOUR PRVCA 75 064301

^{143}Sm 2007PAZY NUCLEAR REACTIONS ^{144}Sm(γ, n), E(end point)=20-30 MeV; measured Eγ, Iγ; ^{143m,143g}Sm deduced yield ratio Y_m / Y_g. Betatron, activation method, Ge(Li) detector. CONF Voronezh(Nucleus-2007),Contrib,P145,Palvanov

^{143}Gd 2007LIZY NUCLEAR REACTIONS ^{114}Sn(^{32}S, n2pα), (^{32}S, n2p), E=160 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin, DSAM. ^{139}Sm, ^{142}Gd deduced high-spin levels, J, π, τ. EUROBALL IV array. CONF Voronezh(Nucleus-2007),Contrib,P94,Lieder

A=144

No references found

A=145

^{145}Tm 2007SE06 NUCLEAR REACTIONS ^{58}Ni(^{92}Mo, 4np), E=417 MeV; measured Eγ, Iγ, Ep, pγ-coinc. ^{145}Tm deduced levels, J, π. JOUR PRLTA 99 082502

A=146

No references found

A=147

^{147}Sm	2007KO54	NUCLEAR REACTIONS ^{147}Sm(n, γ), E=spectrum; measured Eγ, Iγ, multiplicities. ^{147}Sm deduced resonance energies and spins. JOUR PRVCA 76 025804

A=148

^{148}Ce	2007GO21	RADIOACTIVITY ^{252}Cf(SF); measured Eγ, Iγ, $\gamma\gamma$-coin, fission fragment and light charged particle yields. ^{108,110,112}Ru deduced levels, J, π. ^{104}Zr, ^{106}Mo, ^{148}Ce(IT); measured $T_{1/2}$, B(E2). Gammasphere array. JOUR NUPAB 787 231c
^{148}Sm	2007KO54	NUCLEAR REACTIONS ^{147}Sm(n, γ), E=spectrum; measured Eγ, Iγ, multiplicities. ^{147}Sm deduced resonance energies and spins. JOUR PRVCA 76 025804
	2007KOZY	NUCLEAR REACTIONS ^{147}Sm(n, γ), E=spectrum; measured Eγ, yields. Deduced resonance parameters. PREPRINT ArXiv:0708.0218v1 [nucl-ex]

A=149

No references found

A=150

No references found

A=151

^{151}Sm	2007DA23	NUCLEAR REACTIONS ^{150}Sm(n, γ), E=1-35 MeV; measured Eγ, Iγ, excitation functions and partial γ-ray production cross sections. Compared results to model calculations. JOUR NIMBE 261 948
	2007HA24	NUCLEAR REACTIONS ^{152}Sm, ^{197}Au(γ, n), E=8.3-12.4 MeV; measured cross sections. JOUR JNSTA 44 938

A=152

^{152}Sm	2007LI43	NUCLEAR REACTIONS ^{152}Sm(^{16}O, ^{16}O), (^{16}O, ^{16}O'), (^{16}O, X), E(cm)=45-70 MeV; measured $\sigma(\theta$=156, θ=160, θ=164), evaporation residue σ for boron, carbon, nitrogen and oxygen isotopes; deduced reaction mechanism features. ^{208}Pb(^{6}Li, ^{6}Li), (^{6}Li, ^{6}Li'), (^{6}Li, X), (^{7}Li, ^{7}Li), (^{7}Li, ^{7}Li'), (^{7}Li, X), E(cm)=18-42 MeV; ^{90,96}Zr(^{32}S, X), E(cm)=60-95 MeV; measured σ; deduced reaction mechanism features. ^{208}Pb(^{6}Li, ^{6}Li), E(cm)=26-40 MeV; measured fusion σ; deduced reaction mechanism features. Comparison with coupled-channels model. JOUR NUPAB 787 281c

A=152 *(continued)*

^{152}Eu	2007AG09	NUCLEAR REACTIONS ^{151,153}Eu(n, γ), E=0.1-100 keV; measured Eγ, Iγ, and multiplicity distributions. JOUR NIMBE 261 934
	2007VIZY	NUCLEAR REACTIONS ^{121}Sb(γ, n), ^{153}Eu(γ, n), E(end point)=12.5, 22 MeV;^{151}Eu(n, γ), E=thermal, slow; measured Eγ, Iγ; ^{120m,120g}Sb, ^{152m,152g}Eu deduced yield ratio Y_m / Y_g; ^{152m,152g}Eu deduced $\sigma(8^-)$ / $\sigma(0^-)$. Microtron, betatron, reactor, activation method, NaI(Tl), Ge detectors. CONF Voronezh(Nucleus-2007),Contrib,P135,Vishnevsky
^{152}Gd	2007CA25	NUCLEAR REACTIONS ^{124}Sn(^{36}S, 4nα)^{152}Gd, e=175 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc using the Gammasphere. ^{152}Gd deduced levels, J, π. Compared results to model calculations. JOUR PRVCA 75 064314
^{152}Dy	2007LA20	NUCLEAR REACTIONS ^{108}Pd(^{48}Ca, 4n)^{152}Dy, E=191 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc. Analyzed quasicontinuum and ridge spectra and feeding intensity of the superdeformed bands. JOUR PRVCA 75 064309

A=153

^{153}Sm	2007TAZW	NUCLEAR REACTIONS ^{139}La, ^{152}Sm, ^{192,193}Ir(n, γ), E=55, 144 keV; measured cross sections relative to ^{197}Au. CONF Tokai-mura (Nuclear Data) Proc,PV.02,Tan

A=154

^{154}Eu	2007AG09	NUCLEAR REACTIONS ^{151,153}Eu(n, γ), E=0.1-100 keV; measured Eγ, Iγ, and multiplicity distributions. JOUR NIMBE 261 934
^{154}Hf	2007PA27	RADIOACTIVITY ^{159}Re(α) [from ^{106}Cd(^{58}Ni, X)]; ^{155}Ta(p); measured Eα, Iα, Ep, Ip. deduced separation energies. JOUR PRVCA 75 061302

A=155

^{155}Ta	2007PA27	RADIOACTIVITY ^{159}Re(α) [from ^{106}Cd(^{58}Ni, X)]; ^{155}Ta(p); measured Eα, Iα, Ep, Ip. deduced separation energies. JOUR PRVCA 75 061302

A=156

No references found

A=157

^{157}Ta	2007ST16	NUCLEAR REACTIONS ^{93}Nb(^{65}Ge, n), E not given; measured Eγ, Iγ and transition rates using recoil distance method. ^{64}Ge deduced B(E2) and lifetimes. JOUR PRLTA 99 042503

A=158

No references found

A=159

^{159}Ho	2007VAZX	RADIOACTIVITY ^{159,161}Er(EC); measured ce; ^{159,161}Ho deduced multipolarities. Mass-separator, Si(Li) detector with mini-orange magnetic filter. CONF Voronezh(Nucleus-2007),Contrib,P76,Vaganov
^{159}Er	2007VAZX	RADIOACTIVITY ^{159,161}Er(EC); measured ce; ^{159,161}Ho deduced multipolarities. Mass-separator, Si(Li) detector with mini-orange magnetic filter. CONF Voronezh(Nucleus-2007),Contrib,P76,Vaganov
^{159}Re	2007PA27	RADIOACTIVITY ^{159}Re(α) [from ^{106}Cd(^{58}Ni, X)]; ^{155}Ta(p); measured Eα, Iα, Ep, Ip. deduced separation energies. JOUR PRVCA 75 061302

A=160

^{160}Dy	2007ADZY	RADIOACTIVITY ^{160}Ho(EC); measured E(ce); ^{160}Dy deduced levels, J π, Jπ=0^+ level. CONF Voronezh(Nucleus-2007),Contrib,P106,Adam
^{160}Ho	2007ADZY	RADIOACTIVITY ^{160}Ho(EC); measured E(ce); ^{160}Dy deduced levels, J π, Jπ=0^+ level. CONF Voronezh(Nucleus-2007),Contrib,P106,Adam
^{160}Er	2007GA26	RADIOACTIVITY ^{160}Er(IT); measured Eγ, Iγ, eγ-coinc. Deduced levels, J, π. JOUR APOBB 38 1169

A=161

^{161}Ho	2007VAZX	RADIOACTIVITY ^{159,161}Er(EC); measured ce; ^{159,161}Ho deduced multipolarities. Mass-separator, Si(Li) detector with mini-orange magnetic filter. CONF Voronezh(Nucleus-2007),Contrib,P76,Vaganov
^{161}Er	2007VAZX	RADIOACTIVITY ^{159,161}Er(EC); measured ce; ^{159,161}Ho deduced multipolarities. Mass-separator, Si(Li) detector with mini-orange magnetic filter. CONF Voronezh(Nucleus-2007),Contrib,P76,Vaganov

A=162

No references found

A=163

^{163}Tm	2007WA21	NUCLEAR REACTIONS ^{130}Te(^{37}Cl, 4n)^{163}Tm, E=165 MeV; measured E, Iγ, $\gamma\gamma$-coinc, mean lifetimes using DSAM and the Gammasphere array. ^{163}Tm deduced quadrupole transition moments for proposed triaxial strongly deformed bands. JOUR PRVCA 75 064315

A=164

No references found

A=165

No references found

A=166

No references found

A=167

^{167}Lu	2007BE33	NUCLEAR REACTIONS ^{123}Sb(^{48}Ca, X)^{167}Lu, E=203 MeV; measured Eγ, Iγ, conversion electron energies, $\gamma\gamma$-coinc, (conversion-electron)γ-coinc. ^{167}Lu deduced conversion coefficients. JOUR APOBB 38 1535

A=168

^{168}Er	2007BU25	NUCLEAR REACTIONS ^{170}Er(p, t), E=25 MeV; measured reaction product energies energies and angular distributions. ^{168}Er deduced 0^+ and 2^+ level energies and reaction transfer strength distributions. JOUR PANUE 70 1336

A=169

No references found

A=170

^{170}Er	2007IO01	NUCLEAR REACTIONS ^{168}Er(^{28}Si, 4n)^{192}Pb, ^{170}Er(^{29}Si, 5n)^{170}Er, E not given; measured Eγ, I$\gamma(\theta$, E, t). ^{192,194}Pb deduced quadrupole moments of isomeric states using the TDPAD method. JOUR APOBB 38 1249

A=171

No references found

A=172

No references found

A=173

No references found

A=174

No references found

A=175

No references found

A=176

No references found

A=177

No references found

A=178

^{178}Hf	2007KO43	NUCLEAR REACTIONS ^{160}Gd(^{18}O, X)^{178}Hf, E=79-156 MeV; measured Eα, Eγ, particle γ-coinc. Deduced total cross sections for xn channels. Compared results to model calculations. JOUR PRVCA 75 064611
	2007LAZW	RADIOACTIVITY ^{178}Ta(EC)[from ^{175}Lu(α, n), E=18 MeV]; measured Eγ, Iγ; ^{178}Hf deduced levels, calculated log ft. CONF Voronezh(Nucleus-2007),Contrib,P109,Lashko
^{178}Ta	2007LAZW	RADIOACTIVITY ^{178}Ta(EC)[from ^{175}Lu(α, n), E=18 MeV]; measured Eγ, Iγ; ^{178}Hf deduced levels, calculated log ft. CONF Voronezh(Nucleus-2007),Contrib,P109,Lashko

A=179

No references found

A=180

^{180}Hf	2007ST20	RADIOACTIVITY ^{180}Hf(IT); measured Eγ, Iγ, angular distributions and mixing ratio. Deduced presence of irregular E2 admixture in the isomeric transition. JOUR PRVCA 76 025502
	2007STZY	RADIOACTIVITY ^{180}Hf(IT); measured Eγ, Iγ, angular distribution and multipole mixing ratio. PREPRINT arXiv:0707.1061v1 [nucl-ex]
	2007ZAZX	RADIOACTIVITY ^{180}Hf(IT); measured Eγ, Iγ, angular distribution. Deduced multipole mixing ratio. CONF Bormio (XLV Winter Meeting) Proc,P348

A=181

No references found

A=182

No references found

A=183

No references found

A=184

^{184}Pb	2007KNZZ	NUCLEAR REACTIONS ^{144,154}Sm(^{48}Ca, γ), (^{40}Ca, γ), E=163-252 MeV; measured fission fragment mass, energy distributions and σ. CONF Khanty-Mansiysk (Exotic Nuclei) Proc, P185

A=185

No references found

A=186

No references found

A=187

^{187}Os	2007HU17	NUCLEAR REACTIONS ^{186,188,189,190}Os(n, γ), E=spectrum; measured correlated isotopic anomalies. Deduced neutron capture cross section ratios relevant to the astrophysical S-process. JOUR ASJOA 664 L59

A=187 *(continued)*

	2007SE07	NUCLEAR REACTIONS ^{186,187,189}Os(n, γ), E=5-90 keV; measured Eγ, Iγ, neutron capture cross sections. JOUR PRVCA 76 022802
^{187}Po	2007AN19	NUCLEAR REACTIONS ^{144}Sm(^{46}Ti, 3n)^{187}Po, E=224 MeV; ^{144}Sm(^{52}Cr, X)^{193,194}Rn, E=232, 252 meV; measured Eα. ^{187}Po, ^{193,194}Rn deduced levels. JOUR APOBB 38 1557

A=188

^{188}Os	2007MA43	NUCLEAR REACTIONS ^{176}Yb(^{12}C, F), E=65, 84 MeV; measured Eγ, Iγ, angular anisotropy from GDR decay. ^{188}Os deduced shape parameters. JOUR APOBB 38 1463
	2007SE07	NUCLEAR REACTIONS ^{186,187,189}Os(n, γ), E=5-90 keV; measured Eγ, Iγ, neutron capture cross sections. JOUR PRVCA 76 022802

A=189

^{189}Os	2007HU17	NUCLEAR REACTIONS ^{186,188,189,190}Os(n, γ), E=spectrum; measured correlated isotopic anomalies. Deduced neutron capture cross section ratios relevant to the astrophysical S-process. JOUR ASJOA 664 L59
^{189}Ir	2007ZHZZ	NUCLEAR REACTIONS ^{190}Ir(γ, n), ^{196}Au(γ, n), E(end point)=12.0, 12.5, 14.5, 22 MeV; ^{197}Au(n, γ) E=thermal, slow; measured Eγ, Iγ; ^{190m,190g}Ir, ^{196m,196g}Au deduced σ_m / σ_g; ^{197m,197g}Au deduced σ_m / $\sigma_m+\sigma_g$. Microtron, betatron, reactor, activation method, NaI(Tl), Ge detectors. CONF Voronezh(Nucleus-2007),Contrib,P136,Zheltonozhsky

A=190

^{190}Os	2007HU17	NUCLEAR REACTIONS ^{186,188,189,190}Os(n, γ), E=spectrum; measured correlated isotopic anomalies. Deduced neutron capture cross section ratios relevant to the astrophysical S-process. JOUR ASJOA 664 L59
	2007SE07	NUCLEAR REACTIONS ^{186,187,189}Os(n, γ), E=5-90 keV; measured Eγ, Iγ, neutron capture cross sections. JOUR PRVCA 76 022802

A=191

^{191}Os	2007HU17	NUCLEAR REACTIONS ^{186,188,189,190}Os(n, γ), E=spectrum; measured correlated isotopic anomalies. Deduced neutron capture cross section ratios relevant to the astrophysical S-process. JOUR ASJOA 664 L59
^{191}Ir	2007LAZX	RADIOACTIVITY ^{191}Pt(EC); measured Eγ; ^{191}Ir deduced levels. CONF Voronezh(Nucleus-2007),Contrib,P108,Lashko
^{191}Pt	2007LAZX	RADIOACTIVITY ^{191}Pt(EC); measured Eγ; ^{191}Ir deduced levels. CONF Voronezh(Nucleus-2007),Contrib,P108,Lashko

A=192

^{192}Pb	2007IO01	NUCLEAR REACTIONS ^{168}Er(^{28}Si, 4n)^{192}Pb, ^{170}Er(^{29}Si, 5n)^{170}Er, E not given; measured Eγ, Iγ(θ, E, t). ^{192,194}Pb deduced quadrupole moments of isomeric states using the TDPAD method. JOUR APOBB 38 1249
	2007KNZZ	NUCLEAR REACTIONS ^{144,154}Sm(^{48}Ca, γ), (^{40}Ca, γ), E=163-252 MeV; measured fission fragment mass, energy distributions and σ. CONF Khanty-Mansiysk (Exotic Nuclei) Proc, P185

A=193

^{193}Ir	2007TAZW	NUCLEAR REACTIONS ^{139}La, ^{152}Sm, ^{192,193}Ir(n, γ), E=55, 144 keV; measured cross sections relative to ^{197}Au. CONF Tokai-mura (Nuclear Data) Proc,PV.02,Tan
^{193}Rn	2007AN19	NUCLEAR REACTIONS ^{144}Sm(^{46}Ti, 3n)^{187}Po, E=224 MeV; ^{144}Sm(^{52}Cr, X)^{193,194}Rn, E=232, 252 meV; measured Eα. ^{187}Po, ^{193,194}Rn deduced levels. JOUR APOBB 38 1557

A=194

^{194}Ir	2007TAZW	NUCLEAR REACTIONS ^{139}La, ^{152}Sm, ^{192,193}Ir(n, γ), E=55, 144 keV; measured cross sections relative to ^{197}Au. CONF Tokai-mura (Nuclear Data) Proc,PV.02,Tan
^{194}Pb	2007IO01	NUCLEAR REACTIONS ^{168}Er(^{28}Si, 4n)^{192}Pb, ^{170}Er(^{29}Si, 5n)^{170}Er, E not given; measured Eγ, Iγ(θ, E, t). ^{192,194}Pb deduced quadrupole moments of isomeric states using the TDPAD method. JOUR APOBB 38 1249
	2007KNZZ	NUCLEAR REACTIONS ^{144,154}Sm(^{48}Ca, γ), (^{40}Ca, γ), E=163-252 MeV; measured fission fragment mass, energy distributions and σ. CONF Khanty-Mansiysk (Exotic Nuclei) Proc, P185
^{194}Rn	2007AN19	NUCLEAR REACTIONS ^{144}Sm(^{46}Ti, 3n)^{187}Po, E=224 MeV; ^{144}Sm(^{52}Cr, X)^{193,194}Rn, E=232, 252 meV; measured Eα. ^{187}Po, ^{193,194}Rn deduced levels. JOUR APOBB 38 1557

A=195

^{195}Au	2007ZHZZ	NUCLEAR REACTIONS ^{190}Ir(γ, n), ^{196}Au(γ, n), E(end point)=12.0, 12.5, 14.5, 22 MeV; ^{197}Au(n, γ) E=thermal, slow; measured Eγ, Iγ; ^{190m,190g}Ir, ^{196m,196g}Au deduced σ_m / σ_g; ^{197m,197g}Au deduced σ_m / σ_m+σ_g. Microtron, betatron, reactor, activation method, NaI(Tl), Ge detectors. CONF Voronezh(Nucleus-2007),Contrib,P136,Zheltonozhsky

A=196

^{196}Au	2007HA24	NUCLEAR REACTIONS ^{152}Sm, ^{197}Au(γ, n), E=8.3-12.4 MeV; measured cross sections. JOUR JNSTA 44 938

A=196 *(continued)*

2007KUZX NUCLEAR REACTIONS ^{197}Au(α, xn), (α, nα), (α, 2np), E=14-36 MeV; measured excitation functions using stacked foil activation. CONF Khanty-Mansiysk (Exotic Nuclei) Proc, P196

A=197

No references found

A=198

^{198}Au 2007ZHZZ NUCLEAR REACTIONS ^{190}Ir(γ, n), ^{196}Au(γ, n), E(end point)=12.0, 12.5, 14.5, 22 MeV; ^{197}Au(n, γ) E=thermal, slow; measured Eγ, Iγ; ^{190m,190g}Ir, ^{196m,196g}Au deduced σ_m / σ_g; ^{197m,197g}Au deduced σ_m / $\sigma_m+\sigma_g$. Microtron, betatron, reactor, activation method, NaI(Tl), Ge detectors. CONF Voronezh(Nucleus-2007),Contrib,P136,Zheltonozhsky

^{198}Hg 2007KUZX NUCLEAR REACTIONS ^{197}Au(α, xn), (α, nα), (α, 2np), E=14-36 MeV; measured excitation functions using stacked foil activation. CONF Khanty-Mansiysk (Exotic Nuclei) Proc, P196

^{198}Tl 2007LA22 NUCLEAR REACTIONS ^{197}Au(α, 3n)^{198}Tl, E=40 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{198}Tl deduced levels, J, π. JOUR APOBB 38 1417

A=199

No references found

A=200

No references found

A=201

^{201}Hg 2007ME12 RADIOACTIVITY ^{201}Hg[from ^{201}Tl(EC)]; measured Eγ, Iγ, eγ-coinc, $T_{1/2}$ of the first excited state. ^{201}Hg deduced B(M1) and B(E2). JOUR PRVCA 75 064306

A=202

^{202}Tl 2007FO06 NUCLEAR REACTIONS ^{203}Tl(n, 2nγ), E=0.6-250 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc, and excitation functions. ^{202}Tl deduced levels, J, π. JOUR PRVCA 76 014302

^{202}Pb 2007KNZZ NUCLEAR REACTIONS ^{144,154}Sm(^{48}Ca, γ), (^{40}Ca, γ), E=163-252 MeV; measured fission fragment mass, energy distributions and σ. CONF Khanty-Mansiysk (Exotic Nuclei) Proc, P185

A=203

No references found

A=204

No references found

A=205

No references found

A=206

^{206}Pb	2007BO22	RADIOACTIVITY ^{210}Po(α); measured Eα, Eγ, $\alpha\gamma$-coinc. Deduced differential bremsstrahlung emission probability. JOUR PRLTA 99 022505
	2007BO24	NUCLEAR REACTIONS ^{206}Pb(n, n'), (n, γ), E=1-620 keV; measured En, Eγ, and yields. Deduced resonance parameters. JOUR PRVCA 76 014605
	2007MA58	NUCLEAR REACTIONS ^{27}Al, ^{127}I, ^{206,207,208}Pb(n, n'γ), E not give; ^{10}B(α, pγ), E=2.27 MeV; ^{9}Be(α, nγ), E=2.27 MeV; measured yields. JOUR PRVCA 76 022801
^{206}Fr	2007HA29	NUCLEAR REACTIONS ^{169}Tm(^{40}Ar, 3n), E=170 MeV; ^{208}Pb(^{40}Ar, 3n), E=199 MeV; ^{238}U(^{22}Ne, 5n), E=105.9-120.9 MeV; ^{248}Cm(^{18}O, 5n), E=94.4 MeV; measured Eα, Iα, superheavy element production yields using a gas filled recoil separator. JOUR ZDDNE 45 81

A=207

^{207}Pb	2007BO24	NUCLEAR REACTIONS ^{206}Pb(n, n'), (n, γ), E=1-620 keV; measured En, Eγ, and yields. Deduced resonance parameters. JOUR PRVCA 76 014605
	2007DOZY	NUCLEAR REACTIONS ^{206}Pb(n, γ), E=0.001-600 keV; measured Eγ, Iγ, yields.Deduced resonance parameters and maxwellian averaged cross sections. PREPRINT arXiv:0707.3679v1 [nucl-ex]
	2007HU16	NUCLEAR REACTIONS ^{90}Zr, ^{116}Sn, ^{208}Pb(α, α'n), E=200 MeV; measured measured σ, angular distributions. Deduced ISGDR direct-decay branching ratios. JOUR APOBB 38 1479
	2007HU20	NUCLEAR REACTIONS ^{90}Zr, ^{116}Sn, ^{208}Pb(α, α'n), E=200 MeV; measured σ and angular distributions. ^{90}Zr, ^{116}Sn, ^{208}Pb deduced branching ratios for direct and statistical neutron decay of isoscalar giant dipole resonance. JOUR PANUE 70 1407
	2007MA58	NUCLEAR REACTIONS ^{27}Al, ^{127}I, ^{206,207,208}Pb(n, n'γ), E not give; ^{10}B(α, pγ), E=2.27 MeV; ^{9}Be(α, nγ), E=2.27 MeV; measured yields. JOUR PRVCA 76 022801

A=208

^{208}Pb	2007HU20	NUCLEAR REACTIONS ^{90}Zr, ^{116}Sn, ^{208}Pb(α, α'n), E=200 MeV; measured σ and angular distributions. ^{90}Zr, ^{116}Sn, ^{208}Pb deduced branching ratios for direct and statistical neutron decay of isoscalar giant dipole resonance. JOUR PANUE 70 1407
	2007KUZY	NUCLEAR REACTIONS ^{208}Pb(^{152}Sm, ^{152}Sm'), E=652 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc. ^{152}Sm, deduced level energies, J, π, B(E2). PREPRINT arXiv.0706.4129v2 [nucl-ex]
	2007LI43	NUCLEAR REACTIONS ^{152}Sm(^{16}O, ^{16}O), (^{16}O, ^{16}O'), (^{16}O, X), E(cm)=45-70 MeV; measured $\sigma(\theta$=156, θ=160, θ=164), evaporation residue σ for boron, carbon, nitrogen and oxygen isotopes; deduced reaction mechanism features. ^{208}Pb(^{6}Li, ^{6}Li), (^{6}Li, ^{6}Li'), (^{6}Li, X), (^{7}Li, ^{7}Li), (^{7}Li, ^{7}Li'), (^{7}Li, X), E(cm)=18-42 MeV; ^{90,96}Zr(^{32}S, X), E(cm)=60-95 MeV; measured σ; deduced reaction mechanism features. ^{208}Pb(^{6}Li, ^{6}Li), E(cm)=26-40 MeV; measured fusion σ; deduced reaction mechanism features. Comparison with coupled-channels model. JOUR NUPAB 787 281c
	2007MA58	NUCLEAR REACTIONS ^{27}Al, ^{127}I, ^{206,207,208}Pb(n, n'γ), E not give; ^{10}B(α, pγ), E=2.27 MeV; ^{9}Be(α, nγ), E=2.27 MeV; measured yields. JOUR PRVCA 76 022801
^{208}Bi	2007ZEZZ	NUCLEAR REACTIONS ^{12,13}C, ^{18}O, ^{26}Mg, ^{58}Ni, ^{60}Ni, ^{90}Zr, ^{118}Sn, ^{208}Pb(^{3}He, t), E=420 MeV; measured triton spectra and cross sections. Deduced B(GT). PREPRINT arXiv:0707.2840v1 [nucl-ex]

A=209

^{209}At	2007TA17	RADIOACTIVITY ^{209}Rn(EC); measured Eγ, Iγ, polarization and relaxation. JOUR NIMAE 579 472
^{209}Rn	2007TA17	RADIOACTIVITY ^{209}Rn(EC); measured Eγ, Iγ, polarization and relaxation. JOUR NIMAE 579 472

A=210

^{210}Po	2007BO22	RADIOACTIVITY ^{210}Po(α); measured Eα, Eγ, $\alpha\gamma$-coinc. Deduced differential bremsstrahlung emission probability. JOUR PRLTA 99 022505

A=211

^{211}Th	2007MA57	ATOMIC MASSES ^{211,213,217,218}Th; measured masses and relative abundances using inductively coupled plasma sector field mass spectrometry. JOUR PRVCA 76 021303

A=212

No references found

A=213

^{213}Th	2007MA57	ATOMIC MASSES ^{211,213,217,218}Th; measured masses and relative abundances using inductively coupled plasma sector field mass spectrometry. JOUR PRVCA 76 021303

A=214

No references found

A=215

No references found

A=216

No references found

A=217

^{217}Th	2007MA57	ATOMIC MASSES ^{211,213,217,218}Th; measured masses and relative abundances using inductively coupled plasma sector field mass spectrometry. JOUR PRVCA 76 021303

A=218

^{218}Th	2007MA57	ATOMIC MASSES ^{211,213,217,218}Th; measured masses and relative abundances using inductively coupled plasma sector field mass spectrometry. JOUR PRVCA 76 021303

A=219

^{219}Th	2007RE14	NUCLEAR REACTIONS ^{198}Pt(^{26}Mg, X)^{224}Th, E=128 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc, (particle)γ-coinc. ^{219,220}Th deduced levels, J, π. JOUR APOBB 38 1547

A=220

^{220}Th	2007RE14	NUCLEAR REACTIONS ^{198}Pt(^{26}Mg, X)^{224}Th, E=128 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc, (particle)γ-coinc. ^{219,220}Th deduced levels, J, π. JOUR APOBB 38 1547

A=221

No references found

A=222

No references found

A=223

No references found

A=224

^{224}Th	2007RE14	NUCLEAR REACTIONS ^{198}Pt(^{26}Mg, X)^{224}Th, E=128 MeV; measured Eγ, Iγ, $\gamma\gamma$-coinc, (particle)γ-coinc. ^{219,220}Th deduced levels, J, π. JOUR APOBB 38 1547

A=225

No references found

A=226

No references found

A=227

No references found

A=228

No references found

A=229

No references found

A=230

No references found

A=231

No references found

A=232

No references found

A=233

No references found

A=234

No references found

A=235

^{235}U	2007OB02	NUCLEAR REACTIONS ^{234}U(n, γ)^{235}U, E=0.95, 1.27 MeV; measured delayed fission fragment spectra from the decay of the shape isomer, isomeric fission $T_{1/2}$ and cross section. JOUR PRLTA 99 042502

A=236

^{236}Th	2007IS09	NUCLEAR REACTIONS ^{238}U(^{18}O, ^{20}Ne), E=200 MeV; ^{244}Pu(^{16}O, ^{20}Ne), E=162 MeV; measured Eγ, Iγ, (particle)γ-coinc. ^{236}Th, ^{242}U deduced levels, J, π. JOUR PRVCA 76 011303
^{236}U	2007AH05	RADIOACTIVITY ^{244}Cm, ^{240}Pu(α); measured Eα, Iα and $T_{1/2}$. JOUR NIMAE 579 458
	2007BR16	NUCLEAR REACTIONS ^{235}U, ^{252}Cf(n, γ), (n, X), E < 18 eV; measured Eγ, Iγ, fission fragments. Deduced cross sections. JOUR NIMBE 261 986

A=237

No references found

A=238

No references found

A=239

No references found

A=240

^{240}U	2007IS09	NUCLEAR REACTIONS ^{238}U(^{18}O, ^{20}Ne), E=200 MeV; ^{244}Pu(^{16}O, ^{20}Ne), E=162 MeV; measured Eγ, Iγ, (particle)γ-coinc. ^{236}Th, ^{242}U deduced levels, J, π. JOUR PRVCA 76 011303
	2007IS11	NUCLEAR REACTIONS U(^{18}O, ^{16}O)^{240}U, E=200 MeV; ^{244}Pu(^{18}O, ^{16}O)^{246}Pu, E=200 MeV; ^{248}Cm(^{18}O, ^{16}O), e=200 meV; measured Eγ, Iγ, (particle)γ-coinc. ^{240}U, ^{246}Pu, ^{250}Cm deduced levels, J, π, moments of inertia. JOUR PANUE 70 1457
^{240}Pu	2007AH05	RADIOACTIVITY ^{244}Cm, ^{240}Pu(α); measured Eα, Iα and $T_{1/2}$. JOUR NIMAE 579 458
	2007BU19	RADIOACTIVITY ^{240}Pu(SF); measured Eγ, Iγ from fission products. Deduced fission product yields. JOUR AENGA 102 232

A=241

No references found

A=242

^{242}U	2007IS09	NUCLEAR REACTIONS ^{238}U(^{18}O, ^{20}Ne), E=200 MeV; ^{244}Pu(^{16}O, ^{20}Ne), E=162 MeV; measured Eγ, Iγ, (particle)γ-coinc. ^{236}Th, ^{242}U deduced levels, J, π. JOUR PRVCA 76 011303

A=243

No references found

A=244

^{244}Cm	2007AH05	RADIOACTIVITY ^{244}Cm, ^{240}Pu(α); measured Eα, Iα and $T_{1/2}$. JOUR NIMAE 579 458

A=245

^{245}Fm	2007HA29	NUCLEAR REACTIONS ^{169}Tm(^{40}Ar, 3n), E=170 MeV; ^{208}Pb(^{40}Ar, 3n), E=199 MeV; ^{238}U(^{22}Ne, 5n), E=105.9-120.9 MeV; ^{248}Cm(^{18}O, 5n), E=94.4 MeV; measured Eα, Iα, superheavy element production yields using a gas filled recoil separator. JOUR ZDDNE 45 81

A=246

^{246}Pu	2007IS11	NUCLEAR REACTIONS U(^{18}O, ^{16}O)^{240}U, E=200 MeV; ^{244}Pu(^{18}O, ^{16}O)^{246}Pu, E=200 MeV; ^{248}Cm(^{18}O, ^{16}O), e=200 meV; measured Eγ, Iγ, (particle)γ-coinc. ^{240}U, ^{246}Pu, ^{250}Cm deduced levels, J, π, moments of inertia. JOUR PANUE 70 1457

A=247

No references found

A=248

No references found

A=249

^{249}Bk	2007SE08	RADIOACTIVITY ^{253}Es(α); measured $T_{1/2}$ at low temperatures. JOUR PRVCA 76 024304

A=250

^{250}Cm	2007IS11	NUCLEAR REACTIONS U(^{18}O, ^{16}O)^{240}U, E=200 MeV; ^{244}Pu(^{18}O, ^{16}O)^{246}Pu, E=200 MeV; ^{248}Cm(^{18}O, ^{16}O), e=200 meV; measured Eγ, Iγ, (particle)γ-coinc. ^{240}U, ^{246}Pu, ^{250}Cm deduced levels, J, π, moments of inertia. JOUR PANUE 70 1457

A=251

^{251}No	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=252

^{252}Cf	2007GO21	RADIOACTIVITY ^{252}Cf(SF); measured Eγ, Iγ, $\gamma\gamma$-coin, fission fragment and light charged particle yields. ^{108,110,112}Ru deduced levels, J, π. ^{104}Zr, ^{106}Mo, ^{148}Ce(IT); measured $T_{1/2}$, B(E2). Gammasphere array. JOUR NUPAB 787 231c
	2007PRZZ	RADIOACTIVITY ^{252}Cf(SF); measured neutron energies and correlations. CONF Khanty-Mansiysk (Exotic Nuclei) Proc, P179

A=253

^{253}Cf	2007BR16	NUCLEAR REACTIONS ^{235}U, ^{252}Cf(n, γ), (n, X), E < 18 eV; measured Eγ, Iγ, fission fragments. Deduced cross sections. JOUR NIMBE 261 986
^{253}Es	2007SE08	RADIOACTIVITY ^{253}Es(α); measured $T_{1/2}$ at low temperatures. JOUR PRVCA 76 024304

A=254

No references found

A=255

^{255}No	2007HA29	NUCLEAR REACTIONS ^{169}Tm(^{40}Ar, 3n), E=170 MeV; ^{208}Pb(^{40}Ar, 3n), E=199 MeV; ^{238}U(^{22}Ne, 5n), E=105.9-120.9 MeV; ^{248}Cm(^{18}O, 5n), E=94.4 MeV; measured Eα, Iα, superheavy element production yields using a gas filled recoil separator. JOUR ZDDNE 45 81
	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c
^{255}Lr	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c
^{255}Rf	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=256

^{256}Lr	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=257

^{257}Rf	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=258

^{258}Db	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=259

^{259}Db	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=260

No references found

A=261

^{261}Rf	2007HA29	NUCLEAR REACTIONS ^{169}Tm(^{40}Ar, 3n), E=170 MeV; ^{208}Pb(^{40}Ar, 3n), E=199 MeV; ^{238}U(^{22}Ne, 5n), E=105.9-120.9 MeV; ^{248}Cm(^{18}O, 5n), E=94.4 MeV; measured Eα, Iα, superheavy element production yields using a gas filled recoil separator. JOUR ZDDNE 45 81
^{261}Sg	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c
	2007ST12	NUCLEAR REACTIONS ^{208}Pb(^{54}Cr, X)^{261}sg, e=4.70-5.17 MeV / nucleon; measured Eγ, EX, Eα, $\alpha\gamma$-coinc. ^{261}Sg deduced levels, J, π. JOUR APOBB 38 1561

A=262

^{262}Lr	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
^{262}Rf	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c
^{262}Bh	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=263

^{263}Lr	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

A=264

^{264}Lr	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
^{264}Hs	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=265

^{265}Rf	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
^{265}Hs	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=266

^{266}Db	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
^{266}Sg	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c
^{266}Mt	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=267

^{267}Rf	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

A=267 *(continued)*

^{267}Db	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
^{267}Hs	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=268

^{268}Db	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
	2007ST18	RADIOACTIVITY ^{268}Db(SF); ^{272}Bh, ^{276}Mt, ^{280}Rg, ^{284}113, ^{288}115(α); measured Eα, E(fragment), $T_{1/2}$. JOUR NUPAB 787 388c
^{268}Mt	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=269

^{269}Sg	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
^{269}Ds	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=270

^{270}Bh	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
^{270}Hs	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c
^{270}Rg	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=271

^{271}Sg	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
^{271}Bh	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
^{271}Ds	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=272

^{272}Bh	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
	2007ST18	RADIOACTIVITY ^{268}Db(SF); ^{272}Bh, ^{276}Mt, ^{280}Rg, ^{284}113, ^{288}115(α); measured Eα, E(fragment), $T_{1/2}$. JOUR NUPAB 787 388c
^{272}Rg	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=273

No references found

A=274

^{274}Mt	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

A=275

^{275}Hs	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
^{275}Mt	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

A=275 *(continued)*

^{275}Ds	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=276

^{276}Mt	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
	2007ST18	RADIOACTIVITY ^{268}Db(SF); ^{272}Bh, ^{276}Mt, ^{280}Rg, ^{284}113, ^{288}115(α); measured Eα, E(fragment), $T_{1/2}$. JOUR NUPAB 787 388c
^{276}Rg	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

A=277

^{277}Hs	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
^{277}Rg	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
^{277}112	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=278

^{278}Rg	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
^{278}113	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=279

^{279}Ds	2007EI02	RADIOACTIVITY ^{283}112(α); ^{287}114(α), (SF); measured Eα, E(fragment), $T_{1/2}$. JOUR NUPAB 787 373c
	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
^{279}Rg	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
^{279}112	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=280

^{280}Ds	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

A=280 *(continued)*

^{280}Rg	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
	2007ST18	RADIOACTIVITY ^{268}Db(SF); ^{272}Bh, ^{276}Mt, ^{280}Rg, ^{284}113, ^{288}115(α); measured Eα, E(fragment), $T_{1/2}$. JOUR NUPAB 787 388c
^{280}113	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
^{280}114	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=281

^{281}Ds	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
^{281}113	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c
	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

A=282

^{282}112	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
^{282}113	2007OG02	NUCLEAR REACTIONS ^{237}Np(^{48}Ca, 3n)^{282}113, E=244 MeV; measured Eα, production cross section and $T_{1/2}$. JOUR PRVCA 76 011601
	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

A=283

^{283}112	2007EI02	NUCLEAR REACTIONS ^{238}U(^{48}Ca, 3n), ^{242}Pu(^{48}Ca, 3n), E=237 MeV; measured super heavy element yield, Eα, Iα; analyzed production σ. JOUR NUPAB 787 373c
	2007EI02	RADIOACTIVITY ^{283}112(α); ^{287}114(α), (SF); measured Eα, E(fragment), $T_{1/2}$. JOUR NUPAB 787 373c
	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
	2007ST18	NUCLEAR REACTIONS ^{238}U(^{48}Ca, 3n), E=247 MeV; measured super heavy element yield, Eα, Iα; analyzed production σ. Detailed chemical analysis procedure given. JOUR NUPAB 787 388c
^{283}113	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

A=284

^{284}112	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

A=284 *(continued)*

^{284}113 2007OG05 RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

2007ST18 RADIOACTIVITY ^{268}Db(SF); ^{272}Bh, ^{276}Mt, ^{280}Rg, ^{284}113, ^{288}115(α); measured Eα, E(fragment), $T_{1/2}$. JOUR NUPAB 787 388c

A=285

^{285}112 2007OG05 RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

A=286

^{286}114 2007OG05 RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

A=287

^{287}114 2007EI02 NUCLEAR REACTIONS ^{238}U(^{48}Ca, 3n), ^{242}Pu(^{48}Ca, 3n), E=237 MeV; measured super heavy element yield, Eα, Iα; analyzed production σ. JOUR NUPAB 787 373c

2007EI02 RADIOACTIVITY ^{283}112(α); ^{287}114(α), (SF); measured Eα, E(fragment), $T_{1/2}$. JOUR NUPAB 787 373c

2007OG05 RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

^{287}115 2007OG05 RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

A=288

^{288}114	2007OG05	NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c
	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
^{288}115	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c
	2007ST18	RADIOACTIVITY ^{268}Db(SF); ^{272}Bh, ^{276}Mt, ^{280}Rg, ^{284}113, ^{288}115(α); measured Eα, E(fragment), $T_{1/2}$. JOUR NUPAB 787 388c

A=289

^{289}114	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

A=290

^{290}116	2007OG05	RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

A=291

^{291}116 20070G05 RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

A=292

^{292}116 20070G05 NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

20070G05 RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

A=293

^{293}116 20070G05 RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

^{293}118 20070G05 NUCLEAR REACTIONS ^{208}Pb, ^{209}Bi(^{48}Ca, n), (^{50}Ti, n), (^{54}Cr, n), (^{58}Fe, n), (^{62}Ni, n), (^{64}Ni, n), (^{70}Zn, n), E not given; analyzed σ. ^{233}U, ^{237}Np, ^{244}Pu, ^{248}Cm, ^{249}Cf(^{22}Ne, 4n), (^{26}Mg, 4n), (^{36}S, 5n), (^{48}Ca, 4n), E not given; measured Eα, $\alpha\alpha$-coin following residual nucleus decay; analyzed σ; deduced reaction mechanism features, hindrance and survivability. Comparison with other data. JOUR NUPAB 787 343c

A=294

^{294}118 20070G05 RADIOACTIVITY ^{266,267,268}Db, ^{269,271}Sg, ^{270,272}Bh, ^{275}Hs, ^{274,275,276}Mt, ^{279,281}Ds, ^{278,279,280}Rg, ^{283,284,285}112, ^{280,281,282,283,284}113, ^{286,287,288,289}114, ^{287,288}115, ^{290,291,292,293}116, ^{294}118(α); measured Eα, $T_{1/2}$. ^{267}Rf, ^{271}Sg, ^{279,281}Ds, ^{282,283,284,285}112, ^{286,288}114(SF); measured $T_{1/2}$. Comparison with model predictions. Comparison with other data. JOUR NUPAB 787 343c

References

2007ADZY J.Adam, D.Bogachenko, V.P.Garistov, O.K.Egorov, T.A.Islamov, V.V.Kolesnikov, V.I.Silaev, A.A.Solnyshkin - Contrib. 57th International Conf. "Nucleus-2007" on Problems on Fundamental Problems of Nuclear Physics, Atomic Power Engineering and Nuclear Technologies, Voronezh, p.106 (2007)
0^+-Excited State with the Energy of 681.3 keV in ^{160}Dy Nucleus

2007AG08 M.Agnello, and the FINUDA Collaboration - Phys.Lett. B 649, 25 (2007)
Experimental study of the (K^+, K^0) interactions on ^{7}Li close to threshold

2007AG09 U.Agvaanluvsan, J.A.Becker, R.A.Macri, W.Parker, P.Wilk, C.Y.Wu, T.A.Bredeweg, E.Esch, R.C.Haight, J.M.O'Donnell, R.Reifarth, R.S.Rundberg, J.M.Schwantes, J.L.Ullmann, D.J.Vieira, J.B.Wilhelmy, J.M.Wouters, G.E.Mitchell, S.Sheets, F.Becvar, M.Krticka - Nucl.Instrum.Methods Phys.Res. B261, 934 (2007)
Progress on the europium neutron capture study using DANCE

2007AG13 P.Agarwal, S.Kumar, S.Singh, R.K.Sinha, A.Dhal, S.Muralithar, R.P.Singh, N.Madhavan, R.Kumar, R.K.Bhowmik, S.S.Malik, S.C.Pancholi, L.Chaturvedi, H.C.Jain, A.K.Jain - Phys.Rev. C 76, 024321 (2007)
Bandcrossing of magnetic rotation bands in ^{137}Pr

2007AGZV E.F.Aguilera, E.Martinez-Quiroz, T.L.Belyaeva, J.J.Kolata - Contrib. 57th International Conf. "Nucleus-2007" on Problems on Fundamental Problems of Nuclear Physics, Atomic Power Engineering and Nuclear Technologies, Voronezh, p.120 (2007)
Elastic Scattering of ^{8}B + ^{58}Ni Near the Coulomb Barrier

2007AH05 I.Ahmad, F.G.Kondev, J.P.Greene, M.A.Kellett, A.L.Nichols - Nucl.Instrum.Methods Phys.Res. A579, 458 (2007)
Measurement of the ^{240}Pu half-life

2007AL37 A.Al-Khatib, H.Hubel, P.Bringel, C.Engelhardt, A.Neusser-Neffgen, G.B.Hagemann, C.R.Hansen, B.Herskind, G.Sletten, A.Bracco, F.Camera, G.Benzoni, P.Fallon, R.M.Clark, M.P.Carpenter, R.V.F.Janssens, T.L.Khoo, P.Chowdhury, H.Amro - Acta Phys.Pol. B38, 1431 (2007)
High-Spin Spectroscopy of ^{124,125,126}Xe

2007AL41 F.S.Al-Saleh, K.S.Al Mugren, A.Azzam - Appl.Radiat.Isot. 65, 1101 (2007)
Excitation function measurements and integral yields estimation for ^{nat}Zn(p, x) reactions at low energies

2007AL42 E.Almaz, A.Cengiz, A.Tartar - Int.J.Mod.Phys. E16, 1733 (2007)
Unfolding continuous photon spectrum emitted from ^{90}Sr-^{90}Y in equilibrium

2007AN19 S.Antalic, A.N.Andreyev, D.Ackermann, L.Bianco, D.Cullen, I.Darby, S.Franchoo, S.Heinz, F.P.Hessberger, S.Hofmann, M.Huyse, B.Kindler, I.Kojouharov, A.-P.Leppanen, S.R.Lesher, B.Lommel, R.Mann, G.Munzenberg, K.Nishio, R.D.Page, J.Pakarinen, J.J.Ressler, S.Saro, B.Streicher, B.Sulignano, J.Thomson, P.Van Duppen, M.Venhart, D.Wiseman, R.Wyss - Acta Phys.Pol. B38, 1557 (2007)
The New Isotopes in Po-Rn Region

2007AN21 K.Andgren, E.Ganioglu, B.Cederwall, R.Wyss, S.Bhattacharyya, J.R.Brown, G.de Angelis, G.de France, Zs.Dombradi, J.Gal, B.Hadinia, A.Johnson, F.Johnston-Theasby, A.Jungclaus, A.Khaplanov, J.Kownacki, K.Lagergren, G.La Rana, J.Molnar, R.Moro, B.S.Nara Singh, J.Nyberg, M.Sandzelius, J.-N.Scheurer, G.Sletten, D.Sohler, J.Timar, M.Trotta, J.J.Valiente-Dobon, E.Vardaci, R.Wadsworth, S.Williams - Phys.Rev. C 76, 014307 (2007)
Low-spin collective behavior in the transitional nuclei ^{86,88}Mo

2007AR21 D.A.Artemenkov, V.Bradnova, P.I.Zarubin, I.G.Zarubina, N.A.Kachalova, A.D.Kovalenko, A.I.Malakhov, G.I.Orlova, P.A.Rukoyatkin, V.V.Rusakova, E.Stan, R.Stanoeva, M.Haiduc, S.P.Kharlamov, I.Tsakov, M.M.Chernyavsky, T.V.Shchedrina - Phys.Atomic Nuclei 70, 1222 (2007); Yad.Fiz. 70, 1261 (2007)
Features of the ^{9}Be $\rightarrow$ 2He fragmentation in an emulsion for an energy of 1.2 GeV per nucleon

2007AS05 S.F.Ashley, A.Linnemann, J.Jolie, P.H.Regan, K.Andgren, A.Dewald, E.A.McCutchan, B.Melon, O.Moller, N.V.Zamfir, L.Amon, N.Boelaert, R.B.Cakirli, R.F.Casten, R.M.Clark, C.Fransen, W.Gelletly, G.Gurdal, M.Heidemann, K.L.Keyes, M.N-.Erduran, D.A.Meyer, A.Papenberg, C.Plettner, G.Rainovski, R.V.Ribas, N.J.Thomas, J.Vinson, D.D.Warner, V.Werner, E.Williams, K.O.Zell - Acta Phys.Pol. B38, 1385 (2007)
Lifetime Determination of Excited States in ^{106}Cd

2007AX01 M.Axiotis, S.M.Lenzi, N.Marginean, D.R.Napoli, C.A.Ur, F.Brandolini, E.Farnea, A.Gadea, A.Algora, G.de Angelis, D.Bazzacco, P.G.Bizzeti, A.Bizzeti-Sona, P.von Brentano, J.A.Cameron, A.Dewald, H.Grawe, C.A.Kalfas, S.Lunardi, T.Martinez, C.T.Papadopoulos, Zs.Podolyak, C.Rossi Alvarez, J.Sanchez-Solano, D.Tonev, R.Vlastou - Phys.Rev. C 76, 014303 (2007)
High-spin γ-ray spectroscopy in ^{52}Mn

2007BA47 B.Bastin, S.Grevy, D.Sohler, O.Sorlin, Zs.Dombradi, N.L.Achouri, J.C.Angelique, F.Azaiez, D.Baiborodin, R.Borcea, C.Bourgeois, A.Buta, A.Burger, R.Chapman, J.C.Dalouzy, Z.Dlouhy, A.Drouard, Z.Elekes, S.Franchoo, S.Iacob, B.Laurent, M.Lazar, X.Liang, E.Lienard, J.Mrazek, L.Nalpas, F.Negoita, N.A.Orr, Y.Penionzhkevich, Zs.Podolyak, F.Pougheon, P.Roussel-Chomaz, M.G.Saint-Laurent, M.Stanoiu, I.Stefan, F.Nowacki, A.Poves - Phys.Rev.Lett. 99, 022503 (2007)
Collapse of the N = 28 Shell Closure in ^{42}Si

2007BE33 C.W.Beausang, S.R.Lesher, J.T.Burke, L.A.Bernstein, L.Phair, H.Ai, G.Gurdal, L.Ahle, D.S.Brenner, M.Carpenter, R.M.Clark, B.Crider, J.Escher, P.Fallon, J.P.Greene, D.J.Hartley, A.A.Hecht, R.V.F.Janssens, T.Lauritsen, I.Y.Lee, C.J.Lister, A.O.Macchiavelli, M.A.McMahan, C.Plettner, J.Rohrer, D.Seweryniak, E.Williams, S.Zhu - Acta Phys.Pol. B38, 1535 (2007)
New Results on Fission Cross Sections in Actinide Nuclei Using the Surrogate Ratio Method and on Conversion Coefficients in Triaxial Strongly Deformed Bands in ^{167}Lu from ICE Ball and Gammasphere

2007BE38 B.L.Berman, for the CLAS Collaboration - Nucl.Phys. A790, 167c (2007)
Two-body photodisintegration of ^{3}He, ^{4}He, and ^{2}He up to 1.5 GeV

2007BE45 A.Belhout, S.Ouichaoui, H.Beaumevieille, A.Boughrara, S.Fortier, J.Kiener, J.M.Maison, S.K.Mehdi, L.Rosier, J.P.Thibaud, A.Trabelsi, J.Vernotte - Nucl.Phys. A793, 178 (2007)
Measurement and DWBA analysis of the ^{12}C(^{6}Li, d)^{16}O α-transfer reaction cross sections at 48.2 MeV. R-matrix analysis of ^{12}C(α, γ)^{16}O direct capture reaction data

2007BEZT S.S.Belyshev, A.N.Ermakov, A.A.Kuznetsov, I.V.Makarenko, V.V.Khankin - Contrib. 57th International Conf. "Nucleus-2007" on Problems on Fundamental Problems of Nuclear Physics, Atomic Power Engineering and Nuclear Technologies, Voronezh, p.132 (2007)
Photonuclear Reactions with the Emission of Several Neutrons in ^{127}I Nucleus

2007BL15 T.Bloxham, A.Boston, J.Dawson, D.Dobos, S.P.Fox, M.Freer, B.R.Fulton, C.Gossling, P.F.Harrison, M.Junker, H.Kiel, J.McGrath, B.Morgan, D.Munstermann, P.Nolan, S.Oehl, Y.Ramachers, C.Reeve, D.Stewart, R.Wadsworth, J.R.Wilson, K.Zuber - Phys.Rev. C 76, 025501 (2007)
First results on double β-decay modes of Cd, Te, and Zn Isotopes

2007BLZY T.Bloxham, A.Boston, J.Dawson, D.Dobos, S.P.Fox, M.Freer, B.R.Fulton, C.Gossling, P.F.Harrison, M.Junker, H.Kiel, J.McGrath, B.Morgan, D.Munstermann, P.Nolan, S.Oehl, Y.Ramachers, C.Reeve, D.Stewart, R.Wadsworth, J.R.Wilson, K.Zuber, and the COBRA Collaboration - arXiv:0707.2756v1 [nucl-ex] (2007)
First results on double beta decay modes of Cd, Te and Zn isotopes with the COBRA experiment

2007BO22 H.Boie, H.Scheit, U.D.Jentschura, F.Kock, M.Lauer, A.I.Milstein, I.S.Terekhov, D.Schwalm - Phys.Rev.Lett. 99, 022505 (2007)
Bremsstrahlung in α Decay Reexamined

2007BO24 A.Borella, F.Gunsing, M.Moxon, P.Schillebeeckx, P.Siegler - Phys.Rev. C 76, 014605 (2007); Erratum Phys.Rev. C 76, 019904 (2007)
High-resolution neutron transmission and capture measurements of the nucleus ^{206}Pb

2007BO27 H.G.Bohlen, T.Dorsch, Tz.Kokalova, W.von Oertzen, Ch.Schulz, C.Wheldon - Nucl.Phys. A787, 451c (2007)
New assignments for ^{10}Be states from the ^{12}C(^{12}C, ^{14}O)^{10}Be reaction

2007BR15 A.Bracco, and the FRS Collaboration - Acta Phys.Pol. B38, 1229 (2007)
Coulomb Excitation of ^{68}Ni at 600 AMeV

2007BR16 T.A.Bredeweg, M.M.Fowler, J.A.Becker, E.M.Bond, M.B.Chadwick, R.R.C.Clement, E.-I.Esch, T.Ethvignot, T.Granier, M.Jandel, R.A.Macri, J.M.O'Donnell, R.Reifarth, R.S.Rundberg, J.L.Ullmann, D.J.Vieira, J.B.Wilhelmy, J.M.Wouters, C.Y.Wu - Nucl.Instrum.Methods Phys.Res. B261, 986 (2007)
Simultaneous measurement of (n, γ) and (n, fission) cross sections with the DANCE 4π BaF_2 array

2007BU15 A.Buerger, F.Azaiez, M.Stanoiu, Zs.Dombradi, A.Algora, A.Al-Khatib, B.Bastin, G.Benzoni, R.Borcea, Ch.Bourgeois, P.Bringel, E.Clement, J.-C.Dalouzy, Z.Dlouhy, A.Drouart, C.Engelhardt, S.Franchoo, Zs.Fulop, A.Gorgen, S.Grevy, H.Hubel, F.Ibrahim, W.Korten, J.Mrazek , A.Navin, F.Rotaru, P.Roussel-Chomaz, M.-G.Saint-Laurent, G.Sletten, D.Sohler, O.Sorlin, Ch.Theisen, C.Timis, D.Verney, S.Williams - Acta Phys.Pol. B38, 1353 (2007)
Spectroscopy Around ^{36}Ca

2007BU19 A.V.Bushuev, V.N.Zubarev, A.F.Kozhin, E.V.Petrova, T.K.Ragimov, A.M.Petrov, G.N.Vlaskin, V.I.Timonin, A.A.Samoilov - At.Energ. 102, 232 (2007)
Yield determination of ^{240}Pu spontaneous fission products

2007BU23 O.Burda, N.Botha, J.Carter, R.W.Fearick, S.V.Fortsch, C.Fransen, H.Fujita, J.D.Holt, M.Kuhar, A.Lenhardt, P.von Neumann-Cosel, R.Neveling, N.Pietralla, V.Yu.Ponomarev, A.Richter, O.Scholten, E.Sideras-Haddad, F.D.Smit, J.Wambach - Phys.Rev.Lett. 99, 092503 (2007)
High-Energy-Resolution Inelastic Electron and Proton Scattering and the multiphonon Nature of Mixed-Symmetry 2^+ States in ^{94}Mo

2007BU25 D.Bucurescu, R.F.Casten, G.Graw, J.Jolie, N.Braun, P.von Brentano, T.Faestermann, S.Heinze, R.Hertenberger, N.Lo Iudice, R.Krucken, M.Mahgoub, D.A.Meyer, O.Moller, D.Mucher, C.Scholl, N.Yu.Shirikova, Y.Sun, A.V.Sushkov, H.-F.Wirth - Phys.Atomic Nuclei 70, 1336 (2007)
High-resolution study of 0^+ and 2^+ excitations in ^{168}Er with the (p, t) reaction

2007CA25 D.B.Campbell, R.W.Laird, M.A.Riley, J.Simpson, F.G.Kondev, D.J.Hartley, R.V.F.Janssens, T.B.Brown, M.P.Carpenter, P.Fallon, S.M.Fischer, T.Lauritsen, D.Nisius, I.Ragnarsson - Phys.Rev. C 75, 064314 (2007)
Rotational structures and their evolution with spin in ^{152}Gd

2007CA26 L.S.Caceres, M.Gorska, A.Jungclaus, P.H.Regan, A.B.Garnsworthy, S.Pietri, Zs.Podolyak, D.Rudolph, S.J.Steer, H.Grawe, D.L.Balabanski, F.Becker, P.Bednarczyk, G.Benzoni, B.Blank, C.Brandau, A.M.Bruce, F.Camera, W.N.Catford, I.J.Cullen, Zs.Dombradi, P.Doornenbal, E.Estevez, H.Geissel, W.Gelletly, J.Gerl, J.Grebosz, A.Heinz, R.Hoischen, G.Ilie, J.Jolie, G.A.Jones, M.Kmiecik, I.Kojouharov, F.G.Kondev, T.Kurtukian-Nieto, N.Kurz, S.Lalkowski, L.Liu, A.Maj, S.Myalski, F.Montes, M.Pfutzner, W.Prokopowicz, T.Saito, H.Schaffner, S.Schwertel, T.Shizuma, A.J.Simons, S.Tashenov, P.M.Walker, E.Werner-Malento, O.Wieland, H.J.Wollersheim - Acta Phys.Pol. B38, 1271 (2007)

Identification of Excited States in the N = Z Nucleus ^{82}Nb

2007CA28 M.Caamano, D.Cortina-Gil, W.Mittig, H.Savajols, M.Chartier, C.E.Demonchy, B.Fernandez, M.B.Gomez Hornillos, A.Gillibert, B.Jurado, O.Kiselev, R.Lemmon, A.Obertelli, F.Rejmund, M.Rejmund, P.Roussel-Chomaz, R.Wolski - Phys.Rev.Lett. 99, 062502 (2007)
Resonance State in ^{7}H

2007CA35 C.M.Campbell, N.Aoi, D.Bazin, M.D.Bowen, B.A.Brown, J.M.Cook, D.-C.Dinca, A.Gade, T.Glasmacher, M.Horoi, S.Kanno, T.Motobayashi, L.A.Riley, H.Sagawa, H.Sakurai, K.Starosta, H.Suzuki, S.Takeuchi, J.R.Terry, K.Yoneda, H.Zwahlen - Phys.Lett. B 652, 169 (2007)
Quadrupole collectivity in silicon isotopes approaching neutron number N=28

2007CH50 S.Chekanov, and the ZEUS Collaboration - Phys.Lett. B 649, 111 (2007)
Measurement of $D^{*\pm}$ meson production in $e^{\pm}p$ scattering at low Q^2

2007CI05 J.A.Cizewski, R.Hatarik, K.L.Jones, S.D.Pain, J.S.Thomas, M.S.Johnson, D.W.Bardayan, J.C.Blackmon, M.S.Smith, R.L.Kozub - Nucl.Instrum.Methods Phys.Res. B261, 938 (2007)
(d, pγ) Reactions and the surrogate reaction technique

2007CO17 F.Confortola, D.Bemmerer, H.Costantini, A.Formicola, Gy.Gyurky, P.Bezzon, R.Bonetti, C.Broggini, P.Corvisiero, Z.Elekes, Zs.Fulop, G.Gervino, A.Guglielmetti, C.Gustavino, G.Imbriani, M.Junker, M.Laubenstein, A.Lemut, B.Limata, V.Lozza, M.Marta, R.Menegazzo, P.Prati, V.Roca, C.Rolfs, C.Rossi Alvarez, E.Somorjai, O.Straniero, F.Strieder, F.Terrasi, H.P.Trautvetter, and the LUNA Collaboration - Phys.Rev. C 75, 065803 (2007); Pub.Note: Phys.Rev. C 75, 069903 (2007)
Astrophysical S factor of the ^{3}He(α, γ)^{7}Be reaction measured at low energy via detection of prompt and delayed γ rays

2007CO18 P.L.Cole, J.L.Farley, E.T.E.Reedy, R.Spaulding, J.F.Harmon, D.P.Wells - Nucl.Instrum.Methods Phys.Res. B261, 822 (2007)
Measuring the 20.2-ms half life of the 472-keV line from the isomer Na-24m with pulsed photons at the Idaho Accelerator Center

2007CO21 L.Corradi - Nucl.Phys. A787, 160c (2007)
Reaction mechanism and nuclear structure explored in binary reactions: status and perspectives

2007DA23 D.Dashdorj, G.E.Mitchell, T.Kawano, J.A.Becker, U.Agvaanluvsan, M.B.Chadwick, J.R.Cooper, M.Devlin, N.Fotiades, P.E.Garrett, R.O.Nelson, C.Y.Wu, W.Younes - Nucl.Instrum.Methods Phys.Res. B261, 948 (2007)
Neutron induced inelastic cross-sections of ^{150}Sm for E_n = 1-35 MeV

2007DE28 M.A.de Huu, A.M.van den Berg, N.Blasi, R.De Leo, M.Hagemann, M.N.Harakeh, J.Heyse, M.Hunyadi, S.Micheletti, H.Okamura, H.J.Wortche - Phys.Lett. B 649, 35 (2007)
Experimental determination of the J^{π} components of the spin-dipole resonance in ^{12}B

2007DE31 D.J.DeSimone, C.Haertling, J.R.Tesmer, Y.Q.Wang - Nucl.Instrum.Methods Phys.Res. B261, 405 (2007)
Measurement of the D(p, p)D cross section at laboratory backward angles of 151 degrees and 167 degrees

2007DE37 G.de Angelis - Nucl.Phys. A787, 74c (2007)
Nuclear Structure far from Stability at LNL: From high intensity stable to radioactive nuclear beams

2007DOZY C.Domingo-Pardo, for the n_TOF Collaboration - arXiv:0707.3679v1 [nucl-ex] (2007)
Measurement of the radiative neutron capture cross section of ^{206}Pb and its astrophysical implications

2007DR05 S.S.Drapey, V.A.Zheltonozhsky, L.V.Sadovnikov, N.V.Strilchuk, O.G.Shkulkova - Bull.Rus.Acad.Sci.Phys. 71, 887 (2007); Izv.Akad.Nauk RAS, Ser.Fiz. 71, 915 (2007)
Study of penetration effects in the E1 and M1 transitions in ^{44}Sc

2007EI02 R.Eichler, N.V.Aksenov, A.V.Belozerov, G.A.Bozhikov, V.I.Chepigin, R.Dressler, S.N.Dmitriev, H.W.Gaggeler, V.A.Gorshkov, F.Haenssler, M.G.Itkis, V.Ya.Lebedev, A.Laube, O.N.Malyshev, Yu.Ts.Oganessian, O.V.Petruschkin, D.Piguet, P.Rasmussen, S.V.Shishkin, A.V.Shutov, A.I.Svirikhin, E.E.Tereshatov, G.K.Vostokin, M.Wegrzecki, A.V.Yeremin - Nucl.Phys. A787, 373c (2007)
Confirmation of the Decay of ^{283}112 and First Indication for Hg-like Behavior of Element 112

2007FE13 J.O.Fernandez Niello, J.M.Figueira, D.Abriola, A.Arazi, O.A.Capurro, G.V.Marti, D.Martinez Heinmann, A.J.Pacheco, E.de Barbara, I.Padron, P.R.S.Gomes, J.Lubian - Nucl.Phys. A787, 484c (2007)
Study of the Threshold Anomaly in the Scattering of Li Isotopes on ^{27}Al

2007FI07 S.M.Fischer, C.J.Lister, M.P.Carpenter, N.J.Hammond, R.V.F.Janssens, E.F.Moore, G.Mukherjee, D.Seweryniak, S.Sinha, S.J.Freeman, J.Carney, D.P.Balamuth, Y.Sun - Phys.Rev. C 75, 064310 (2007)
Mapping the periphery of deformation in the A $\sim$ 80 region: A study of ^{83}Nb

2007FO05 W.Fong, J.L.Matthews, M.L.Dowell, E.R.Kinney, T.Soos, M.Y.Wang, S.A.Wood, P.A.M.Gram, G.A.Rebka, Jr., D.A.Roberts - Phys.Rev. C 75, 064605 (2007)
Inclusive pion double charge exchange in light p-shell nuclei

2007FO06 N.Fotiades, R.O.Nelson, M.Devlin, J.A.Becker - Phys.Rev. C 76, 014302 (2007)
New levels and a lifetime measurement in ^{202}Tl

2007FOZY S.Fortier, E.Tryggestad, E.Rich, D.Beaumel, E.Becheva, Y.Blumenfeld, F.Delaunay, A.Drouart, A.Fomichev, N.Frascaria, S.Gales, L.Gaudefroy, A.Gillibert, J.Guillot, F.Hammache, K.W.Kemper, E.Khan, V.Lapoux, V.Lima, L.Nalpas, A.Obertelli, E.C.Pollacco, F.Skaza, U.Datta Pramanik, P.Roussel-Chomaz, D.Santonocito, J.A.Scarpaci, O.Sorlin, S.V.Stepantsov, G.M.Ter Akopian, R.Wolski - Proc.Intern.Symposium on Exotic Nuclei, Khanty-Mansiysk, Russia, 17-22 July, 2006, Yu.E.Penionzhkevich, E.A.Cherepanov, Eds. p.3 (2007); AIP Conf.Proc. 912 (2007)
Search for resonances in ^{4}n, ^{7}H and ^{9}He via transfer reactions

2007FR11 R.H.France III, E.L.Wilds, J.E.McDonald, M.Gai - Phys.Rev. C 75, 065802 (2007)
Further measurement of the β-delayed α-particle emission of ^{16}N

2007FRZW N.Frank, A.Schiller, T.Baumann, D.Bazin, J.Brown, P.A.DeYoung, J.E.Finck, A.Gade, J.Hinnefeld, R.Howes, J.-L.Lecouey, B.Luther, W.A.Peters, H.Scheit, M.Thoennessen - ArXiv:0708.2706v1 [nucl-ex] (2007)
Observation of the First Excited State in ^{23}O

2007FU07 Y.-Y.Fu, S-H.Zhou, T.Koike, S.Kinoshita, Y.Ma, Y.Miura, K.Miwa, Y.Miyagi, K.Shirotori, T.Suzuki, H.Tamura, K.Tsukada, M.Ukai, K.Futatsukawa, K.Hosomi, M.Kawai, M.Mimori, N.Terada, N.Maruyama, K.Aoki, H.Fujioka, Y.Kakiguchi, T.Nagae, D.Nakajima, H.Noumi, T.Takahashi, T.N.Takahashi, A.Toyota, M.Dairaku, T.Fukuda, S.Minami, W.Imoto, S.Ajimura, K.Tanida - Chin.Phys.Lett. 24, 2216 (2007)
Measurement of Gamma-Rays from $^{11}_{\Lambda}$B and $^{12}_{L}$C

2007FU09 C.Fu, V.Z.Goldberg, A.M.Mukhamedzhanov, G.G.Chubarian, G.V.Rogachev, B.Skorodumov, M.McCleskey, Y.Zhai, T.Al-Abdullah, G.Tabacaru, L.Trache, R.E.Tribble - Phys.Rev. C 76, 021603 (2007)
Single and double proton emissions from the ^{14}O+^{4}He interaction

2007GA26 P.E.Garrett, A.Andreyev, R.A.E.Austin, G.C.Ball, D.Bandyopadhyay, J.A.Becker, A.J.Boston, R.S.Chakrawarthy, D.Cline, R.J.Cooper, R.Churchman, D.Cross, D.Dashdorj, G.A.Demand, M.R.Dimmock, T.E.Drake, P.Finlay, F.Gagon-Miosan, A.T.Gallant, K.L.Green, A.N.Grint, G.F.Grinyer, G.Hackman, L.J.Harkness, A.B.Hayes, R.Kanungo, W.D.Kulp, K.G.Leach, G.Lee, J.R.Leslie, J.-P.Martin, C.Mattoon, W.J.Mills, A.C.Morton, S.Mythili, L.Nelson, O.Newman, P.J.Nolan, E.Padilla-Rodal, C.J.Pearson, A.A.Phillips, M.Porter-Peden, J.J.Ressler, R.Roy, C.Ruiz, H.Savajols, F.Sarazin, M.A.Schumaker, D.P.Scraggs, H.C.Scraggs, M.D.Strange, C.E.Svensson, J.C.Waddington, J.M.Wan, A.Whitbeck, S.J.Williams, J.Wong, J.L.Wood, C.Y.Wu, E.F.Zganjar - Acta Phys.Pol. B38, 1169 (2007)
Nuclear Structure Research at TRIUMF

2007GA29 S.Galanopoulos, R.Vlastou, C.T.Papadopoulos, M.Kokkoris, G.Perdikakis, M.Serris, P.Demetriou - Nucl.Instrum.Methods Phys.Res. B261, 969 (2007)
Experimental and theoretical studies of (n, p) reactions on Ge isotopes

2007GA34 A.Gade, P.Adrich, D.Bazin, M.D.Bowen, B.A.Brown, C.M.Campbell, J.M.Cook, S.Ettenauer, T.Glasmacher, K.W.Kemper, S.McDaniel, A.Obertelli, T.Otsuka, A.Ratkiewicz, K.Siwek, J.R.Terry, J.A.Tostevin, Y.Utsuno, D.Weisshaar - Phys.Rev.Lett. 99, 072502 (2007)
Spectroscopy of ^{36}Mg: Interplay of Normal and Intruder Configurations at the Neutron-Rich Boundary of the "Island of Inversion"

2007GA38 A.Gade, P.Adrich, D.Bazin, M.D.Bowen, B.A.Brown, C.M.Campbell, J.M.Cook, T.Glasmacher, K.Hosier, S.McDaniel, D.McGlinchery, A.Obertelli, L.A.Riley, K.Siwek, D.Weisshaar - Phys.Rev. C 76, 024317 (2007)
Spectroscopy of ^{20}Mg: The isobaric mass multiplet equation for the 2^+ states of the A = 20, T = 2 quintet and distant mirror nuclei

2007GI08 A.Gillibert, N.Alamanos, M.Alvarez, F.Auger, D.Beaumel, E.Becheva, Y.Blumenfeld, R.Dayras, F.Delaunay, A.Drouart, G.de France, L.Giot, B.Jurado, N.Keeley, K.W.Kemper, V.Lapoux, W.Mittig, X.Mougeot, L.Nalpas, A.Obertelli, N.Patronis, A.Pakou, E.C.Pollacco, R.Raabe, P.Roussel-Chomaz, F.Rejmund, M.Rejmund, H.Savajols, J.A.Scarpaci, J.L.Sida, F.Skaza, S.Stepantsov, Ch.Theisen, R.Wolski - Nucl.Phys. A787, 423c (2007)
Structure of exotic nuclei from direct reactions

2007GI10 J.Giovinazzo, B.Blank, C.Borcea, G.Canchel, J.-C.Dalouzy, C.E.Demonchy, F.de Oliveira Santos, C.Dossat, S.Grevy, L.Hay, J.Huikari, S.Leblanc, I.Matea, J.-L.Pedroza, L.Perrot, J.Pibernat, L.Serani, C.Stodel, J.-C.Thomas - Phys.Rev.Lett. 99, 102501 (2007)
First Direct Observation of Two Protons in the Decay of ^{45}Fe with a Time-Projection Chamber

2007GO21 C.Goodin, Y.X.Luo, J.K.Hwang, A.V.Ramayya, J.H.Hamilton, J.O.Rasmussen, S.J.Zhu, A.Gelberg, G.M.Ter-Akopian - Nucl.Phys. A787, 231c (2007)
Study of fission process and neutron-rich nuclei

2007GO24 M.S.Golovkov, L.V.Grigorenko, A.S.Fomichev, A.V.Gorshkov, V.A.Gorshkov, S.A.Krupko, Yu.Ts.Oganessian, A.M.Rodin, S.I.Sidorchuk, R.S.Slepnev, S.V.Stepantsov, G.M.Ter-Akopian, R.Wolski, A.A.Korsheninnikov, E.Yu.Nikolskii, V.A.Kuzmin, B.G.Novatskii, D.N.Stepanov, P.Roussel-Chomaz, W.Mittig - Phys.Rev. C 76, 021605 (2007)
New insight into the low-energy ^{9}He spectrum

2007GOZW L.I.Govor, A.M.Demidov, V.A.Kurkin, I.V.Mikhailov - Contrib. 57th International Conf. "Nucleus-2007" on Problems on Fundamental Problems of Nuclear Physics, Atomic Power Engineering and Nuclear Technologies, Voronezh, p.102 (2007)
Life Times of ^{88}Sr Levels from the Sr(n, n'γ) Reaction

2007GOZY M.S.Golovkov, L.V.Grigorenko, A.S.Fomichev, V.A.Gorshkov, A.V.Gorshkov, S.A.Krupko, Yu.Ts.Oganessian, A.M.Rodin, S.I.Sidorchuk, R.S.Slepnev, S.V.Stepantsov, G.M.Ter-Akopian, R.Wolski, A.A.Korsheninnikov, E.Yu.Nikolskii, P.Roussel-Chomaz, W.Mittig - Proc.Intern.Symposium on Exotic Nuclei, Khanty-Mansiysk, Russia, 17-22 July, 2006, Yu.E.Penionzhkevich, E.A.Cherepanov, Eds. p.32 (2007); AIP Conf.Proc. 912 (2007)

First Results of a ^{8}He+d Experiment

2007GR11 U.Greife, J.Livesay, C.Jewett, K.Chipps, F.Sarazin, D.Bardayan, J.Blackmon, C.Nesaraja, M.S.Smith, A.Champagne, R.Fitzgerald, K.Jones, J.Thomas, R.Kozub, L.Buchmann, J.Caggiano, D.Hunter, D.Hutcheon, A.Olin, D.Ottewell, J.Rogers, C.Ruiz, G.Ruprecht, M.Trinczek, C.Vockenhuber, S.Bishop, J.D'Auria, M.Lamay, W.Liu, C.Wrede, M.L.Chatterjee, A.A.Chen, J.Pearson, S.Engel, A.M<.Laird, D.Gigliotti, A.Hussein - Nucl.Instrum.Methods Phys.Res. B261, 1089 (2007)
Recent results of experiments with radioactive ^{21}Na and ^{7}Be ion beams

2007GR18 G.F.Grinyer, M.B.Smith, C.Andreoiu, A.N.Andreyev, G.C.Ball, P.Bricault, R.S.Chakrawarthy, J.J.Daoud, P.Finlay, P.E.Garrett, G.Hackman, B.Hyland, J.R.Leslie, A.C.Morton, C.J.Pearson, A.A.Phillips, M.A.Schumaker, C.E.Svensson, J.J.Valiente-Dobon, S.J.Williams, E.F.Zganjar - Phys.Rev. C 76, 025503 (2007)
Half-life of the superallowed β^{+} emitter ^{18}Ne

2007GRZY F.Grenier, A.Chbihi, R.Roy, G.Verde, D.Theriault, J.D.Frankland, J.P.Wieleczko, B.Borderie, R.Bougault, R.Dayras, E.Galichet, D.Guinet, P.Lautesse, N.Le Neindre, O.Lopez, J.Moisan, L.Nalpas, M.Parlog, M.F.Rivet, E.Rosato, B.Tamain, E.Vient, M.Vigilante - arXiv.0706.4414v1 [nucl-ex] (2007)
Decay modes of ^{10}C nuclei unbound state

2007HA20 U.Hager, V.-V.Elomaa, T.Eronen, J.Hakala, A.Jokinen, A.Kankainen, S.Rahaman, S.Rinta-Antila, A.Saastamoinen, T.Sonoda, J.Aysto - Phys.Rev. C 75, 064302 (2007)
Precision mass measurements of neutron-rich Tc, Ru, Rh, and Pd isotopes

2007HA24 K.Y.Hara, H.Harada, F.Kitatani, S.Goko, S.Hohara, T.Kaihori, A.Makinaga, H.Utsunomiya, H.Toyokawa, K.Yamada - J.Nucl.Sci.Technol.(Tokyo) 44, 938 (2007)
Measurements of the ^{152}Sm(γ, n) Cross Section with Laser-Compton Scattering γ Rays and the Photon Difference Method

2007HA29 H.Haba, T.Akiyama, D.Kaji, H.Kikunaga, T.Kuribayashi, K.Morimoto, K.Morita, K.Ooe, N.Sato, A.Shinohara, T.Takabe, Y.Tashiro, A.Toyoshima, A.Yoneda, T.Yoshimura - Eur.Phys.J. D 45, 81 (2007)
Startup of superheavy element chemistry at RIKEN

2007HA32 U.Hager, A.Jokinen, V.-V.Elomaa, T.Eronen, J.Hakala, A.Kankainen, S.Rahaman, J.Rissanen, I.D.Moore, S.Rinta-Antila, A.Saastamoinen, T.Sonoda, J.Aysto - Nucl.Phys. A793, 20 (2007)
Precision mass measurements of neutron-rich yttrium and niobium isotopes

2007HE20 B.Herskind, G.B.Hagemann, Th.Dossing, C.R.Hansen, N.Schunck, G.Sletten, S.Odegard, H.Hubel, P.Bringel, A.Burger, A.Neusser, A.K.Singh, A.Al-Khatib, S.B.Patel, B.M.Nyako, A.Algora, Z.Dombradi, J.Gal, G.Kalinka, D.Sohler, J.Molnar, J.Timar, L.Zolnai, K.Juhasz, A.Bracco, S.Leoni, F.Camera, G.Benzoni, P.Mason, A.Paleni, B.Million, O.Wieland, P.Bednarczyk, F.Azaiez, Th.Byrski, D.Curien, O.Dakov, G.Duchene, F.Khalfallah, B.Gall, L.Piqeras, J.Robin, J.Dudek, N.Rowley, N.Redon, F.Hannachi, J.N.Scheurer, J.N.Wilson, A.Lopez-Martens, A.Korichi, K.Hauschild, J.Roccaz, S.Siem, P.Fallon, I.Y.Lee, A.Gorgen, A.Maj, M.Kmiecik, M.Brekiesz, J.Styczen, K.Zuber, J.C.Lisle, B.Cederwall, K.Lagergren, A.O.Evans, G.Rainovski, G.De Angelis, G.La Rana, R.Moro, R.M.Lieder, E.O.Lieder, W.Gast, H.Jager, A.A.Pasternak, C.M.Petrache, D.Petrache - Acta Phys.Pol. B38, 1421 (2007)
Light Charged Particles as Gateway to Hyperdeformation

2007HI06 D.J.Hinde, R.L.Ahlefeldt, R.G.Thomas, K.Hagino, M.L.Brown, M.Dasgupta, M.Evers, L.R.Gasques, M.D.Rodriguez - Phys.Rev. C 76, 014617 (2007)
Probing the tail of the nuclear potential between identical nuclei with quasi-elastic Mott scattering

2007HO13 F.Hofmann, C.Baumer, A.M.van den Berg, D.Frekers, V.M.Hannen, M.N.Harakeh, M.de Huu, Y.Kalmykov, P.von Neumann-Cosel, V.Yu.Ponomarev, S.Rakers, B.Reitz, A.Richter, K.Schweda, A.Shevchenko, J.Wambach, H.J.Wortche - Phys.Rev. C 76, 014314 (2007)
Proton scattering at intermediate energies on ^{58}Ni: How well is it understood?

2007HU16 M.Hunyadi, A.M.van den Berg, N.Blasi, M.Csatlos, L.Csige, B.Davids, M.Fujiwara, U.Garg, J.Gulyas, M.N.Harakeh, M.A.de Huu, A.Krasznahorkay, D.Sohler, H.J.Wortche - Acta Phys.Pol. B38, 1479 (2007)
Recent Results from the Decay Studies of High-Energy Isoscalar Giant Resonances

2007HU17 M.Humayun, A.D.Brandon - Astrophys.J. 664, L59 (2007)
s-process implications from osmium isotope anomalies in chondrites

2007HU20 M.Hunyadi, A.M.van den Berg, B.Davids, M.N.Harakeh, M.A.de Huu, H.J.Wortche, M.Csatlos, J.Gulyas, A.Krasznahorkay, D.Sohler, U.Garg, M.Fujiwara, N.Blasi - Phys.Atomic Nuclei 70, 1407 (2007)
Direct neutron decay of the isoscalar giant dipole resonance

2007IB01 F.Ibrahim, D.Verney, M.Lebois, B.Roussiere, S.Essabaa, S.Franchoo, S.Gales, D.Guillemaud-Mueller, C.Lau, F.Le Blanc, J.F.Le Du, M.C.Mhamed, A.C.Mueller, J.Sauvage, and the ALTO Collaboration - Nucl.Phys. A787, 110c (2007)
The ALTO facility at IPN Orsay and study of neutron rich nuclei in the vicinity of ^{78}Ni

2007IO01 M.Ionescu-Bujor, A.Iordachescu, N.Marginean, C.A.Ur, G.Suliman, D.Bucurescu, D.L.Balabanski, F.Brandolini, S.Chmel, K.A.Gladnishki, H.Hubel, R.Marginean, G.Neyens - Acta Phys.Pol. B38, 1249 (2007)
Quadrupole Moments for Isomeric States with Normal and Intruder Configurations in Neutron-Deficient Pb Nuclei

2007IO02 M.Iodice, for the Jefferson Lab Hall A Collaboration - Phys.Rev.Lett. 99, 052501 (2007)
High Resolution Spectroscopy of $^{12}_{\Lambda}$B by Electroproduction

2007IS09 T.Ishii, H.Makii, M.Asai, H.Koura, S.Shigematsu, K.Tsukada, A.Toyoshima, M.Matsuda, A.Makishima, J.Kaneko, H.Toume, I.Hossain, T.Shizuma, S.Ichikawa, T.Kohno, M.Ogawa - Phys.Rev. C 76, 011303 (2007)
Ground-state bands of neutron-rich ^{236}Th and ^{242}U nuclei and implication of spherical shell closure at N = 164

2007IS11 T.Ishii, S.Shigematsu, H.Makii, M.Asai, K.Tsukada, A.Toyoshima, M.Matsuda, A.Makishima, T.Shizuma, J.Kaneko, I.Hossain, H.Toume, M.Ohara, S.Ichikawa, T.Kohno, M.Ogawa - Phys.Atomic Nuclei 70, 1457 (2007)
In-beam γ-ray study of the neutron-rich nuclei ^{240}U, ^{246}Pu, and ^{250}Cm produced by the (^{18}O, ^{16}O) reaction

2007JAZZ M.Janek, T.Saito, V.P.Ladygin, T.Uesaka, M.Hatano, A.Yu.Isupov, H.Kato, N.B.Ladygina, Y.Maeda, A.I.Malakhov, J.Nishikawa, T.Ohnishi, H.Okamura, S.G.Reznikov, H.Sakai, S.Sakoda, N.Sakamoto, Y.Satou, K.Sekiguchi, K.Suda, A.Tamii, N.Uchigashima, T.A.Vasiliev, K.Yako - arXiv.0706.3568v1 [nucl-ex] (2007)
Analyzing powers A_{yy}, A_{xx}, A_{xz} and A_y in the dd $\rightarrow$ ^{3}Hen reaction at 270 MeV

2007JE03 C.Jewett, C.Baktash, D.Bardayan, J.Blackmon, K.Chipps, A.Galindo-Uribarri, U.Greife, C.Gross, K.Jones, F.Liang, J.Livesay, R.Kozub, C.Nesaraja, D.Radford, F.Sarazin, M.S.Smith, J.Thomas, C.-H.Yu - Nucl.Instrum.Methods Phys.Res. B261, 945 (2007)
Excited states in ^{22}Mg via the ^{12}C(^{12}C, 2n)^{22}Mg reaction

2007JO09 K.L.Jones, A.S.Adekola, D.W.Bardayan, J.C.Blackmon, K.Y.Chae, K.Chipps, J.A.Cizewski, D.J.Dean, L.Erikson, R.P.Fitzgerald, A.L.Gaddis, U.Greife, C.Harlin, R.Hatarik, J.A.Howard, M.S.Johnson, R.L.Kozub, J.F.Liang, R.J.Livesay, Z.Ma, B.H.Moazen, P.D.O'Malley, C.D.Nesaraja, S.D.Pain, N.P.Patterson, S.V.Paulauskas, D.Shapira, J.F.Shriner Jr, D.J.Sissom, M.S.Smith, T.P.Swan, J.S.Thomas - Acta Phys.Pol. B38, 1205 (2007)
Single Neutron Transfer Experiments Close to the r-Process Path

2007JU03 B.Jurado, H.Savjols, W.Mittig, N.A.Orr, P.Roussel-Chomaz, D.Baiborodin, W.N.Catford, M.Chartier, C.E.Demonchy, Z.Dlouhy, A.Gillibert, L.Giot, A.Khouaja, A.Lepine-Szily, S.Lukyanov, J.Mrazek, Y.E.Penionzhkevich, S.Pita, M.Rousseau, A.C.Villari - Phys.Lett. B 649, 43 (2007)
Mass measurements of neutron-rich nuclei near the N = 20 and 28 shell closures

2007KA33 Y.Kanda, A.Yoshioka - J.Radioanal.Nucl.Chem. 273, 507 (2007)
Physical and chemical forms of radionuclides of ^{38}S, ^{38}Cl, ^{39}Cl and ^{82}Br, produced at a high-energy proton accelerator facility

2007KA38 N.Kalantar-Nayestanaki - Nucl.Phys. A790, 69c (2007)
Study of three-nucleon systems at KVI

2007KI13 H.J.Kim, S.C.Kim, S.K.Kim, T.Y.Kim, H.S.Lee, J.Lee, M.J.Lee, Y.D.Kim, J.I.Lee, J.Y.Lee, M.J.Hwang, Y.J.Kwon, I.S.Hahn, M.H.Lee - Nucl.Phys. A793, 171 (2007)
Searches for the β^+ / EC decays of ^{64}Zn and ^{112}Sn, and the $\beta\beta$ decay transitions of ^{124}Sn to the excited states of ^{124}Te

2007KM01 M.Kmiecik, A.Maj, M.Brekiesz, K.Mazurek, P.Bednarczyk, J.Grebosz, W.Meczynski, J.Styczen, M.Zieblinski, K.Zuber, P.Papka, C.Beck, D.Curien, F.Haas, V.Rauch, M.Rousseau, J.Dudek, N.Schunck, A.Bracco, F.Camera, G.Benzoni, O.Wieland, B.Herskind, E.Farnea, G.De Angelis - Acta Phys.Pol. B38, 1437 (2007)
Strong Deformation Effects in Hot Rotating ^{46}Ti

2007KNZZ G.N.Knyazheva, E.M.Kozulin, R.N.Sagaidak, M.G.Itkis, N.A.Kondratiev, A.M.Stefanini, B.R.Behera, L.Corradi, E.Fioretto, A.Gadea, A.Latina, S.Szilner, M.Trotta, S.Beghini, G.Montagnoli, F.Scarlassara, F.Haas, N.Rowley, P.R.S.Gomes, A.Szanto de Toledo - Proc.Intern.Symposium on Exotic Nuclei, Khanty-Mansiysk, Russia, 17-22 July, 2006, Yu.E.Penionzhkevich, E.A.Cherepanov, Eds. p.185 (2007); AIP Conf.Proc. 912 (2007)
^{40,48}Ca+^{144,154}Sm: Deformation and Shell

2007KO43 S.Komarov, R.J.Charity, C.J.Chiara, W.Reviol, D.G.Sarantites, L.G.Sobotka, A.L.Caraley, M.P.Carpenter, D.Seweryniak - Phys.Rev. C 75, 064611 (2007)
Search for the fade out of a collective enhancement of the nuclear level density

2007KO54 P.E.Koehler, J.L.Ullmann, T.A.Bredeweg, J.M.O'Donnell, R.Reifarth, R.S.Rundberg, D.J.Vieira, J.M.Wouters - Phys.Rev. C 76, 025804 (2007)
Spin measurements for ^{147}Sm + n resonances: Further evidence for nonstatistical effects

2007KOZY P.E.Koehler, J.L.Ullmann, T.A.Bredeweg, J.M.O'Donnell, R.Reifarth, R.S.Rundberg, D.J.Vieira, J.M.Wouters - ArXiv:0708.0218v1 [nucl-ex] (2007)
Spin measurements for ^{147}Sm+n resonances: Further evidence for non-statistical effects

2007KU12 S.Kumar, R.Palit, H.C.Jain, I.Mazumdar, P.K.Joshi, S.Roy, A.Y.Deo, Z.Naik, S.S.Malik, A.K.Jain - Phys.Rev. C 76, 014306 (2007)
High spin structure of ^{139}Nd

2007KU13 V.Kumar, P.Das, R.P.Singh, R.Kumar, S.Muralithar, R.K.Bhowmik - Phys.Rev. C 76, 014309 (2007)
Multiparticle M1 band in ^{134}La

2007KUZX A.A.Kulko, N.A.Demekhina, R.Kalpakchieva, Yu.A.Muzychka, Yu.E.Penionzhkevich, D.N.Rassadov, N.K.Skobelev, D.A.Testov - Proc.Intern.Symposium on Exotic Nuclei, Khanty-Mansiysk, Russia, 17-22 July, 2006, Yu.E.Penionzhkevich, E.A.Cherepanov, Eds. p.196 (2007); AIP Conf.Proc. 912 (2007)
Excitation Functions for Complete Fusion and Transfer Reactions in the Interaction of ^{4}He Nuclei with ^{197}Au

2007KUZY W.D.Kulp, J.L.Wood, P.E.Garrett, C.Y.Wu, D.Cline, J.M.Allmond, D.Bandyopadhyay, D.Dashdorj, S.N.Choudry, A.B.Hayes, H.Hua, S.R.Lesher, M.Mynk, M.T.McEllistrem, C.J.McKay, J.N.Orce, R.Teng, S.W.Yates - arXiv.0706.4129v2 [nucl-ex] (2007)
Shape Coexistence and Mixing in ^{152}Sm

2007LA20 T.Lauritsen, R.V.F.Janssens, T.L.Khoo, I.Ahmad, M.P.Carpenter, F.G.Kondev, C.J.Lister, E.F.Moore, D.Seweryniak, S.Zhu, T.Dossing, B.Herskind, A.Korichi, A.Lopez-Martens, R.M.Clark, P.Fallon, G.Lane, A.O.Macchiavelli, D.Ward, A.M.Heinz, D.G.Jenkins, A.J.Larabee, B.Meredith, J.Kozemczak, P.Chowdhury - Phys.Rev. C 75, 064309 (2007)
Rotational damping, ridges, and the quasicontinuum of γ rays in ^{152}Dy

2007LA22 E.A.Lawrie, P.Vymers, Ch.Vieu, J.J.Lawrie, C.Schuck, R.A.Bark, R.Lindsay, S.M.Maliage, S.M.Mullins, S.H.T.Murray, T.M.Ramashidzha, J.F.Sharpey-Schafer - Acta Phys.Pol. B38, 1417 (2007)
Pair of Bands in the Oblate Doubly-Odd ^{198}Tl Nucleus

2007LA23 A.C.Larsen, M.Guttormsen, R.Chankova, F.Ingebretsen, T.Lonnroth, S.Messelt, S.W.Odegard, J.Rekstad, S.Siem, N.U.H.Syed, A.Schiller, A.Voinov - Acta Phys.Pol. B38, 1495 (2007)
Radiative Strength Functions of Warm Nuclei in the $1f_{7/2}$ Shell

2007LA25 L.Lamia, S.Romano, N.Carlin, S.Cherubini, V.Crucilla, M.M.De Moura, M.G.Del Santo, M.G.Munhoz, M.Gulino, R.Liguori Neto, M.La Cognata, F.Mudo, R.G.Pizzone, S.M.R.Puglia, M.L.Sergi, F.A.Souza, C.Spitaleri, A.A.P.Suaide, E.Szanto, A.Szanto de Toledo, S.Tudisco, A.Tumino - Nucl.Phys. A787, 309c (2007)
Boron depletion: indirect measurement of the ^{10}B(p, α)^{7}Be S(E)-factor

2007LAZW A.P.Lashko, T.N.Lashko - Contrib. 57th International Conf. "Nucleus-2007" on Problems on Fundamental Problems of Nuclear Physics, Atomic Power Engineering and Nuclear Technologies, Voronezh, p.109 (2007)
The Intensities of β-Transitions to the 1364 and 1697 keV, 9^- Levels of the ^{178}Hf Occurring in the ^{178}Ta Decay

2007LAZX A.P.Lashko, T.N.Lashko - Contrib. 57th International Conf. "Nucleus-2007" on Problems on Fundamental Problems of Nuclear Physics, Atomic Power Engineering and Nuclear Technologies, Voronezh, p.108 (2007)
Energy Determination of the 3 / 2^- $\rightarrow$ 7 / 2^- 268 keV Transition in the ^{191}Pt Decay

2007LE24 A.Lepine-Szily, R.Lichtenthaler, for the RIBRAS Collaboration - Nucl.Phys. A787, 94c (2007)
First results of the Radioactive Ion Beam facility in Brasil (RIBRAS): Elastic scattering of ^{6}He and ^{8}Li beams on light and medium mass targets

2007LE26 D.W.Lee, K.Perajarvi, J.Powell, J.P.O'Neil, D.M.Moltz, V.Z.Goldberg, J.Cerny - Phys.Rev. C 76, 024314 (2007)
Low-lying resonant states in ^{16}F using a ^{15}O radioactive ion beam

2007LI43 C.J.Lin, H.Q.Zhang, F.Yang, M.Ruan, Z.H.Liu, Y.W.Wu, X.K.Wu, P.Zhou, C.L.Zhang, G.L.Zhang, G.P.An, H.M.Jia, X.X.Xu - Nucl.Phys. A787, 281c (2007)
Effects of breakup of weakly bound projectile and neutron transfer on fusion reactions around Coulomb barrier

2007LIZY E.O.Lieder, R.M.Lieder, A.A.Pasternak - Contrib. 57th International Conf. "Nucleus-2007" on Problems on Fundamental Problems of Nuclear Physics, Atomic Power Engineering and Nuclear Technologies, Voronezh, p.94 (2007)
Lifetimes and Transition Probabilities in Dipole Bands of ^{139}Sm and ^{142}Gd, Measured with EUROBALL

2007MA40 H.Mach, L.M.Fraile, O.Arndt, A.Blazhev, N.Boelaert, M.J.G.Borge, R.Boutami, H.Bradley, N.Braun, B.A.Brown, P.A.Butler, A.Covello, Z.Dlouhy, C.Fransen, H.O.U.Fynbo, A.Gargano, Ch.Hinke, P.Hoff, A.Joinet, A.Jokinen, J.Jolie, U.Koster, A.Korgul, K.-L.Kratz, T.Kroll, W.Kurcewicz, J.Nyberg, E.-M.Reillo, E.Ruchowska, W.Schwerdtfeger, G.S.Simpson, M.Stanoiu, O.Tengblad, P.G.Thirolf, W.B.Walters - Acta Phys.Pol. B38, 1213 (2007)
The Single-Particle and Collective Features in the Nuclei Just Above ^{132}Sn

2007MA43 I.Mazumdar, H.C.Jain, R.Palit, D.A.Gothe, P.K.Joshi, M.Aggarwal - Acta Phys.Pol. B38, 1463 (2007)
Search for Rare Shape Transition in Hot Rotating ^{188}Os Nucleus

2007MA46 Y.Maeda, H.Sakai, K.Fujita, M.B.Greenfield, K.Hatanaka, M.Hatano, J.Kamiya, T.Kawabata, H.Kuboki, H.Okamura, J.Rapaport, T.Saito, Y.Sakemi, M.Sasano, K.Sekiguchi, Y.Shimizu, K.Suda, Y.Tameshige, A.Tamii, T.Wakasa, K.Yako, J.Blomgren, P.Mermod, A.Ohrn, M.Osterlund, H.Witala, A.Deltuva, A.C.Fonseca, P.U.Sauer, W.Glockle, J.Golak, H.Kamada, A.Nogga, R.Skibinski - Phys.Rev. C 76, 014004 (2007)
Differential cross section and analyzing power measurements for (n-pol, d) elastic scattering at 248 MeV

2007MA48 Z.Ma, D.W.Bardayan, J.C.Blackmon, R.P.Fitzgerald, M.W.Guidry, W.R.Hix, K.L.Jones, R.L.Kozub, R.J.Livesay, M.S.Smith, J.S.Thomas, D.W.Visser - Phys.Rev. C 76, 015803 (2007); Erratum Phys.Rev. C 76, 039901 (2007)
Astrophysically important ^{31}S states studied with the ^{32}S(p, d)^{31}S reaction

2007MA55 J.Marton - Nucl.Phys. A790, 328c (2007)
Precision studies on strong interaction in pionic hydrogen

2007MA57 A.Marinov, I.Rodushkin, Y.Kashiv, L.Halicz, I.Segal, A.Pape, R.V.Gentry, H.W.Miller, D.Kolb, R.Brandt - Phys.Rev. C 76, 021303 (2007)
Existence of long-lived isomeric states in naturally-occurring neutron-deficient Th isotopes

2007MA58 H.Makii, Y.Nagai, K.Mishima, M.Segawa, T.Shima, M.Igashira - Phys.Rev. C 76, 022801 (2007)
Neutron-induced reactions using a γ-ray detector in a ^{12}C(α, γ)^{16}O reaction study

2007MA60 H.Mardanpour, H.R.Amir-Ahmadi, R.Benard, A.Biegun, M.Eslami-Kalantari, N.Kalantar-Nayestanaki, M.Kis, St.Kistryn, A.Kozela, H.Kuboki, Y.Maeda, M.Mahjour-Shafiei, J.G.Messchendorp, K.Miki, S.Noji, A.Ramazani, H.Sakai, M.Sasano, K.Sekiguchi, E.Stephan, R.Sworst, Y.Takahashi, K.Yako - Nucl.Phys. A790, 426c (2007)
Study of three-nucleon force effects in p(pol) + d break-up with BINA

2007MA61 Y.Maeda, H.Sakai, K.Fujita, M.Hatano, J.Kamiya, T.Kawabata, H.Kuboki, K.Hatanaka, H.Okamura, T.Saito, Y.Sakemi, M.Sasano, K.Sekiguchi, Y.Shimizu, K.Suda, Y.Tameshige, A.Tamii, T.Wakasa, K.Yako, M.B.Greenfield, H.Kamada, H.Witala - Nucl.Phys. A790, 430c (2007)
Measurements of the (n(pol)d) scattering at 250 MeV and three-nucleon forces

2007MA66 V.M.Mazur, Z.M.Bigan, D.M.Symochko - 52, 744 (2007)
Excitation cross-section of the 11 / 2^- isomeric states of the ^{109}Pd and ^{111}Cd nuclei for (γ, n) reactions in the gamma-quantum energy range of 8-18 MeV

2007ME12 V.Meot, J.Aupiais, P.Morel, G.Gosselin, F.Gobet, J.N.Scheurer, M.Tarisien - Phys.Rev. C 75, 064306 (2007)
Half-life of the first excited state of ^{201}Hg

2007ME16 J.G.Messchendorp - Nucl.Phys. A790, 434c (2007)
Proton-deuteron radiative capture at intermediate energies

2007MI25 S.Michimasa, S.Shimoura, H.Iwasaki, M.Tamaki, S.Ota, N.Aoi, H.Baba, N.Iwasa, S.Kanno, S.Kubono, K.Kurita, M.Kurokawa, T.Minemura, T.Motobayashi, M.Notani, H.J.Ong, A.Saito, H.Sakurai, E.Takeshita, S.Takeuchi, Y.Yanagisawa, A.Yoshida - Nucl.Phys. A787, 569c (2007)
Proton Shell Structure in Neutron-rich ^{23}F

2007MI31 K.Miki, H.Sakai, K.Itoh, K.Kawabata, H.Kuboki, Y.Maeda, S.Noji, S.Sakaguchi, N.Sakamoto, Y.Sasamoto, M.Sasano, Y.Satou, K.Sekiguchi, K.Suda, Y.Takahashi, T.Uesaka, K.Yako - Nucl.Phys. A790, 442c (2007)
Measurement of the ^{2}H(d, pn) reaction at 0 degrees at 270 MeV

2007MO20 B.H.Moazen, D.W.Bardayan, J.C.Blackmon, K.Y.Chae, K.Chipps, C.P.Domizioli, R.Fitzgerald, U.Greife, W.R.Hix, K.L.Jones, R.L.Kozub, E.J.Lingerfelt, R.J.Livesay, C.D.Nesaraja, S.D.Pain, L.F.Roberts, J.F.Shriner, Jr., M.S.Smith, J.S.Thomas - Phys.Rev. C 75, 065801 (2007)
Measurement of the 183 keV resonance in ^{17}O(p, α)^{14}N using a novel technique

2007MY02 S.Myalski, M.Kmiecik, A.Maj, P.H.Regan, A.B.Garnsworthy, S.Pietri, D.Rudolph, Zs.Podolyak, S.J.Steer, F.Becker, P.Bednarczyk, J.Gerl, M.Gorska, H.Grawe, I.Kojouharov, H.Schaffner, H.J.Wollersheim, W.Prokopowicz, J.Grebosz, G.Benzoni, B.Blank, C.Brandau, A.M.Bruce, L.Caceres, F.Camera, W.N.Catford, I.J.Cullen, Zs.Dombradi, P.Doornenbal, E.Estevez, H.Geissel, W.Gelletly, A.Heinz, R.Hoischen, G.Ilie, G.A.Jones, A.Jungclaus, A.Kelic, F.G.Kondev, T.Kurtukian-Nieto, N.Kurz, S.Lalkovski, Z.Liu, F.Montes, M.Pfutzner, T.Saito, T.Shizuma, A.J.Simons, S.Schwertel, S.Tachenov, P.M.Walker, E.Werner-Malento, O.Wieland - Acta Phys.Pol. B38, 1277 (2007)

Isomeric Ratio for the $I^{\pi} = 8^{+}$ Yrast State in ^{96}Pd Produced in the Relativistic Fragmentation of ^{107}Ag

2007NA13 B.S.Nara Singh, A.N.Steer, D.G.Jenkins, R.Wadsworth, M.A.Bentley, P.J.Davies, R.Glover, N.S.Pattabiraman, C.J.Lister, T.Grahn, P.T.Greenlees, P.Jones, R.Julin, S.Juutinen, M.Leino, M.Nyman, J.Pakarinen, P.Rahkila, J.Saren, C.Scholey, J.Sorri, J.Uusitalo, P.A.Butler, M.Dimmock, D.T.Joss, J.Thomson, B.Cederwall, B.Hadinia, M.Sandzelius - Phys.Rev. C 75, 061301 (2007)
Coulomb shifts and shape changes in the mass 70 region

2007NA18 S.Nakayama, E.Matsumoto, R.Hayami, K.Fushimi, H.Kawasuso, K.Yasuda, T.Yamagata, H.Akimune, H.Ikemizu, M.Fujiwara, M.Yosoi, K.Nakanishi, K.Kawase, H.Hashimoto, T.Oota, K.Sagara, T.Kudoh, S.Asaji, T.Ishida, M.Tanaka, M.B.Greenfield - Phys.Rev. C 76, 021305 (2007)
Analog of the giant dipole resonance in ^{4}He

2007NAZW Y.Nagai, T.Shima, A.Tomyo, H.Makii, K.Mishima, M.Segawa, H.Ueda, Y.Temma - Proc.2006 Symposium on Nuclear Data, RICOTTI, Tokai-mura, Japan, Jan. 25-26 (2007) T.Fukahori, Ed.p.III.01 (2007)
Critical Role of Nuclear Data in Nuclear Astrophysics

2007NE10 G.Neyens, L.Atanasova, D.L.Balabanski, F.Becker, P.Bednarczyk, L.Caceres, P.Doornenbal, J.Gerl, M.Gorska, J.Grebosz, M.Hass, G.Ilie, N.Kurz, I.Kojouharov, R.Lozeva, A.Maj, M.Pfutzner, S.Pietri, Zs.Podolyak, W.Prokopowicz, T.R.Saitoh, H.Schaffner, G.Simpson, N.Vermeulen, E.Werner-Malento, J.Walker, H.J.Wollersheim, D.Bazzacco, G.Benzoni, A.Blazhev, N.Blasi, A.Bracco, C.Brandau, F.Camera, S.K.Chamoli, S.Chmel, F.C.L.Crespi, J.M.Daugas, M.De Rydt, P.Detistov, C.Fahlander, E.Farnea, G.Georgiev, K.Gladnishki, R.Hoischen, M.Ionescu-Bujor, A.Iordachescu, J.Jolie, A.Jungclaus, M.Kmiecik, A.Krasznahorkay, R.Kulessa, S.Lakshmi, G.Lo Bianco, S.Mallion, K.Mazurek, W.Meczynski, D.Montanari, S.Myalsky, O.Perru, D.Rudolph, G.Rusev, A.Saltarelli, R.Schwengner, J.Styczen, K.Turzo, J.J.Valiente-Dobon, O.Wieland, M.Zieblinski - Acta Phys.Pol. B38, 1237 (2007)
γ Factor Measurements on Relativistic Isomeric Beams Produced by Fragmentation and U-Fission: The g-Rising Project at GSI

2007OB02 A.Oberstedt, S.Oberstedt, M.Gawrys, N.Kornilov - Phys.Rev.Lett. 99, 042502 (2007)
Identification of a Shape Isomer in ^{235}U

2007OG02 Yu.Ts.Oganessian, V.K.Utyonkov, Yu.V.Lobanov, F.Sh.Abdullin, A.N.Polyakov, R.N.Sagaidak, I.V.Shirokovsky, Yu.S.Tsyganov, A.A.Voinov, G.G.Gulbekian, S.L.Bogomolov, B.N.Gikal, A.N.Mezentsev, V.G.Subbotin, A.M.Sukhov, K.Subotic, V.I.Zagrebaev, G.K.Vostokin, M.G.Itkis, R.A.Henderson, J.M.Kenneally, J.H.Landrum, K.J.Moody, D.A.Shaughnessy, M.A.Stoyer, N.J.Stoyer, P.A.Wilk - Phys.Rev. C 76, 011601 (2007)
Synthesis of the isotope ^{282}113 in the ^{237}Np+^{48}Ca fusion reaction

2007OG05 Yu.Ts.Oganessian - Nucl.Phys. A787, 343c (2007)
Synthesis and Decay Properties of Heaviest Nuclei with ^{48}Ca-Induced Reactions

2007OR04 J.N.Orce, S.N.Choudry, B.Crider, E.Elhami, S.Mukhopadhyay, M.Scheck, M.T.McEllistrem, S.W.Yates - Phys.Rev. C 76, 021302 (2007)
$2_1^+ \rightarrow 0_1^+$ transition strengths in Sn nuclei

2007OS03 V.Ostashko, M.Lattuada, O.Goryunov, A.Di Pietro, D.Miljanic, M.Zadro, A.Musumara, M.-G.Pellegriti, S.Romano, S.Tudisco, A.Tumino, P.Figuera - Ukr.J.Phys. 52, 525 (2007)
^{8}Be nucleus resonances at the excitation energy $E_x < 35$ MeV in the three-particle reaction ^{9}Be + ^{13}C $\rightarrow$ ^{14}C + α + α

2007PA26 C.Pauly, and the CELSIUS-WASA Collaboration - Phys.Lett. B 649, 122 (2007)
The pp $\rightarrow$ pp$\pi\pi\pi$ reaction channels in the threshold region

2007PA27 R.D.Page, L.Bianco, I.G.Darby, J.Uusitalo, D.T.Joss, T.Grahn, R.-D.Herzberg, J.Pakarinen, J.Thomson, S.Eeckhaudt, P.T.Greenlees, P.M.Jones, R.Julin, S.Juutinen, S.Ketelhut, M.Leino, A.-P.Leppanen, M.Nyman, P.Rahkila, J.Saren, C.Scholey, A.Steer, M.B.Gomez Hornillos, J.S.Al-Khalili, A.J.Cannon, P.D.Stevenson, S.Erturk, B.Gall, B.Hadinia, M.Venhart, J.Simpson - Phys.Rev. C 75, 061302 (2007)
α decay of ^{159}Re and proton emission from ^{155}Ta

2007PA33 V.V.Parkar, K.Mahata, S.Santra, S.Kailas, A.Shrivastava, K.Ramachandran, A.Chatterjee, V.Jha, P.Singh - Nucl.Phys. A792, 187 (2007)
Fusion cross sections for ^{7}Li + ^{12}C system at near barrier energies

2007PAZX S.R.Palvanov, M.I.Mamajusopova - Contrib. 57th International Conf. "Nucleus-2007" on Problems on Fundamental Problems of Nuclear Physics, Atomic Power Engineering and Nuclear Technologies, Voronezh, p.146 (2007)
Isomeric Yield Ratios of the Reaction ^{120}Te(γ, n)^{119m,g}Te and ^{130}Te(γ, n)^{129m,g}Te

2007PAZY S.R.Palvanov - Contrib. 57th International Conf. "Nucleus-2007" on Problems on Fundamental Problems of Nuclear Physics, Atomic Power Engineering and Nuclear Technologies, Voronezh, p.145 (2007)
Isomeric Yield Ratios of the Reaction ^{144}Sm(γ, n)^{143m,g}Sm

2007PE14 O.L.Pechenaya, C.J.Chiara, D.G.Sarantites, W.Reviol, R.J.Charity, M.P.Carpenter, R.V.F.Janssens, T.Lauritsen, C.J.Lister, D.Seweryniak, S.Zhu, L.-L.Andersson, E.K.Johansson, D.Rudolph - Phys.Rev. C 76, 011304 (2007)
Level structure of ^{92}Rh: Implications for the two-proton decay of ^{94}Ag^m

2007PRZZ E.Prokhorova, F.Gonnenwein, Yu.Kopatch, M.Mutterer, F.Hanappe, V.Kinnard, L.Stuttge, O.Dorvaux, H.-J.Wollersheim - Proc.Intern.Symposium on Exotic Nuclei, Khanty-Mansiysk, Russia, 17-22 July, 2006, Yu.E.Penionzhkevich, E.A.Cherepanov, Eds. p.179 (2007); AIP Conf.Proc. 912 (2007)
Angular Correlations Between Fragment Spin and Prompt Neutron Evaporation in Spontaneous Fission of ^{252}Cf: CORA-Demon Experiment

2007RE12 R.A.Rebeles, A.Hermanne, S.Takacs, F.Tarkanyi, S.F.Kovalev, A.Ignatyuk - Nucl.Instrum.Methods Phys.Res. B260, 672 (2007)

Alpha induced reactions on $_{nat}$Sn: An experimental study of excitation functions and possible production pathways

2007RE14 W.Reviol, D.G.Sarantites, C.J.Chiara, M.Montero, O.L.Pechenaya - Acta Phys.Pol. B38, 1547 (2007)
In-Beam Spectroscopy in the Actinide Region Using an Evaporation Residue Detector

2007RE17 K.E.Rehm - Nucl.Phys. A787, 289c (2007)
Experiments in Nuclear Astrophysics

2007RE18 P.H.Regan, A.B.Garnsworthy, S.Pietri, L.Caceres, M.Gorska, D.Rudolph, Zs.Podolyak, S.J.Steer, R.Hoischen, J.Gerl, H.J.Wollersheim, J.Grebosz, H.Schaffner, W.Prokopwicz, I.Kojouharov, F.Becker, P.Bednarczyk, P.Doornenball, H.Geissel, H.Grawe, A.Kelic, N.Kurz, F.Montes, T.Saito, S.Tashenov, E.Werner-Malento, A.Heinz, L.Atanasova, D.Balabanski, G.Benzoni, B.Blank, A.Blazhev, C.Brandau, A.M.Bruce, W.N.Catford, F.Camera, I.J.Cullen, M.E.Estevez, C.Fahlander, W.Gelletly, G.Ilie, A.Jungclaus, J.Jolie, T.Kurtukian-Nieto, Z.Liu, M.Kmiecik, A.Maj, S.Myalski, S.Schwertel, T.Shizuma, A.J.Simons, P.M.Walker, O.Wieland - Nucl.Phys. A787, 491c (2007)
Isomer Spectroscopy Using Relativistic Projectile Fragmentation at the N=Z Line for A $\sim$ 80 $\rightarrow$ 90

2007RE19 M.Rejmund, S.Bhattacharyya, A.Navin, W.Mittig, L.Gaudefroy, M.Gelin, G.Mukherjee, F.Rejmund, P.Roussel-Chomaz, Ch.Theisen - Phys.Rev. C 76, 021304 (2007)
Shell evolution and the N = 34 "magic number"

2007RO16 E.Roeckl, I.Mukha, L.Batist, A.Blazhev, J.Doring, H.Grawe, L.Grigorenkof, M.Huyse, Z.Janas, R.Kirchner, M.La Commara, C.Mazzocchi, S.L.Tabor, P.Van Duppen - Acta Phys.Pol. B38, 1121 (2007)
One-Proton and Two-Proton Radioactivity of the (21^+) Isomer in ^{94}Ag

2007RO17 F.J.Rodriguez, J.A.Liendo, B.T.Roeder, W.Weintraub, K.W.Kemper, N.Keeley, F.Marechal - Nucl.Instrum.Methods Phys.Res. B261, 1005 (2007)
Spin and parity determinations of excited ^{15}N based on polarized and unpolarized ^{12}C(^{7}Li, α)^{15}N reaction data at E$_{lab}$ = 34 MeV

2007RUZY N.I.Rukhadze, P.Benes, Ch.Briancon, V.B.Brudanin, P.Chermak, V.G.Egorov, K.N.Gusev, A.A.Klimenko, V.E.Kovalenko, A.Kovalik, A.V.Salamatin, I.Stekl, V.V.Timkin, Ts.Vylov - Contrib. 57th International Conf. "Nucleus-2007" on Problems on Fundamental Problems of Nuclear Physics, Atomic Power Engineering and Nuclear Technologies, Voronezh, p.181 (2007)
Search for 2νEC / EC Decay Capture of ^{106}Cd

2007RZ02 T.Rzaca-Urban, W.Urban, J.L.Durell, A.G.Smith, I.Ahmad - Phys.Rev. C 76, 027302 (2007)
New excited states in ^{82}Ge: Possible weakening of the N = 50 closed shell

2007SA36 M.Sandzelius, B.Hadinia, B.Cederwall, K.Andgren, E.Ganioglu, I.G.Darby, M.R.Dimmock, S.Eeckhaudt, T.Grahn, P.T.Greenlees, E.Ideguchi, P.M.Jones, D.T.Joss, R.Julin, S.Juutinen, A.Khaplanov, M.Leino, L.Nelson, M.Niikura, M.Nyman, R.D.Page, J.Pakarinen, E.S.Paul, M.Petri, P.Rahkila, J.Saren, C.Scholey, J.Sorri, J.Uusitalo, R.Wadsworth, R.Wyss - Phys.Rev.Lett. 99, 022501 (2007)
Identification of Excited States in the T_z=1 Nucleus ^{110}Xe: Evidence for Enhanced Collectivity near the N=Z=50 Double Shell Closure

2007SA38 H.Sakai - Nucl.Phys. A790, 122c (2007)
Experimental status of three-nucleon force study by nucleon-deuteron system

2007SA39 K.Sagara, M.Tomiyama, S.Shimomoto, T.Ishida, T.Kudoh, S.Kuroita, T.Morikawa, M.Shiota, H.Ohira, H.Kamada, H.Witala - Nucl.Phys. A790, 348c (2007)
Discrepancy in pd breakup reaction at E_p=13 MeV

2007SC26 C.Scholl, P.Petkov, V.Werner, A.Linnemann, T.Adachi, A.Dewald, A.Fitzler, C.Fransen, Y.Fujita, J.Jolie, K.Langanke, A.F.Lisetskiy, G.Martinez-Pinedo, D.Mucher, J.N.Orce, N.Pietralla, N.Warr, K.O.Zell, P.von Brentano - Phys.Rev. C 75, 064321 (2007)
New spin assignments in the odd-odd N = Z nucleus ^{42}Sc and the breaking of the ^{40}Ca core

2007SC29 H.Schatz - Nucl.Phys. A787, 299c (2007)
Nuclear Astrophysics with Fast Rare Isotope Beams

2007SC31 K.Schonning, for the CELSIUS / WASA Collaboration - Nucl.Phys. A790, 319c (2007)
The production of ω mesons in pd $\rightarrow$ ^{3}Heω near the kinematic threshold

2007SC32 A.Schiller, N.Frank, T.Baumann, D.Bazin, B.A.Brown, J.Brown, P.A.DeYoung, J.E.Finck, A.Gade, J.Hinnefeld, R.Howes, J.-L.Lecouey, B.Luther, W.A.Peters, H.Scheit, M.Thoennessen, J.A.Tostevin - Phys.Rev.Lett. 99, 112501 (2007)
Selective Population and Neutron Decay of an Excited State of ^{23}O

2007SE02 D.Seweryniak, P.J.Woods, M.P.Carpenter, T.Davinson, R.V.F.Janssens, D.G.Jenkins, T.Lauritsen, C.J.Lister, J.Shergur, S.Sinha, A.Woehr - Phys.Rev. C 75, 062801 (2007)
Level structure of ^{26}Si and its implications for the astrophysical reaction rate of ^{25}Al(p, γ)^{26}Si

2007SE04 D.Seweryniak, M.P.Carpenter, S.Gros, A.A.Hecht, N.Hoteling, R.V.F.Janssens, T.L.Khoo, T.Lauritsen, C.J.Lister, G.Lotay, D.Peterson, A.P.Robinson, W.B.Walters, X.Wang, P.J.Woods, S.Zhu - Phys.Rev.Lett. 99, 022504 (2007)
Single-Neutron States in ^{101}Sn

2007SE05 V.O.Sergeev, F.F.Valiev - Bull.Rus.Acad.Sci.Phys. 71, 827 (2007); Izv.Akad.Nauk RAS, Ser.Fiz. 71, 854 (2007)
Unique second-forbidden β transitions: Decay of ^{137}Cs

2007SE06 D.Seweryniak, B.Blank, M.P.Carpenter, C.N.Davids, T.Davinson, S.J.Freeman, N.Hammond, N.Hoteling, R.V.F.Janssens, T.L.Khoo, Z.Liu, G.Mukherjee, A.Robinson, C.Scholey, S.Sinha, J.Shergur, K.Starosta, W.B.Walters, A.Woehr, P.J.Woods - Phys.Rev.Lett. 99, 082502 (2007)
Effect of a Triaxial Nuclear Shape on Proton Tunneling: The Decay and Structure of ^{145}Tm

2007SE07 M.Segawa, T.Masaki, Y.Nagai, Y.Temma, T.Shima, K.Mishima, M.Igashira, S.Goriely, A.Koning, S.Hilaire - Phys.Rev. C 76, 022802 (2007)
Neutron capture cross sections of ^{186}Os, ^{187}Os, and ^{189}Os for the Re-Os chronology

2007SE08 N.Severijns, A.A.Belyaev, A.L.Erzinkyan, P.-D.Eversheim, V.T.Filimonov, V.V.Golovko, G.M.Gurevich, P.Herzog, I.S.Kraev, A.A.Lukhanin, V.I.Noga, V.P.Parfenova, T.Phalet, A.V.Rusakov, Yu.G.Toporov, C.Tramm, V.N.Vyachin, F.Wauters, D.Zakoucky, E.Zotov - Phys.Rev. C 76, 024304 (2007)
α-decay half-life of ^{253}Es in metallic Fe at temperatures between 4 K and 50 mK

2007SE11 K.Sekiguchi, H.Sakai, N.Sakamoto, H.Kuboki, M.Sasano, Y.Takahashi, K.Yako, T.Kawabata, Y.Maeda, S.Sakaguchi, Y.Sasamoto, K.Suda, T.Uesaka, H.Okamura, K.Itoh, T.Wakasa - Nucl.Phys. A790, 450c (2007)
Study of spin parts of three nucleon forces via (d(pol)p) breakup reactions at intermediate energies

2007SEZW V.O.Sergeev - Contrib. 57th International Conf. "Nucleus-2007" on Problems on Fundamental Problems of Nuclear Physics, Atomic Power Engineering and Nuclear Technologies, Voronezh, p.101 (2007)
Excitation of ^{97}Rh Levels in (p, γ) Reaction

2007SI16 G.Simpson, J.Genevey, J.A.Pinston, W.Urban, A.Zlomaniec, R.Orlandi, A.Scherillo, I.Tsekhanovich, A.G.Smith, A.Thallon, B.J.Varley, J.Jolie, N.Warr - Acta Phys.Pol. B38, 1321 (2007)
Nuclear Structure Studies of Microsecond Isomers Near A =100

2007SI19 J.M.Sisterson - Nucl.Instrum.Methods Phys.Res. B261, 993 (2007)
Cross section measurements for neutron-induced reactions off C, Al, SiO_2, Si and Au producing relatively short-lived radionuclides at neutron energies between 70 and 160 MeV

2007SIZY S.I.Sidorchuk, A.S.Fomichev, M.S.Golovkov, V.A.Gorshkov, A.V.Gorshkov, S.A.Krupko, Yu.Ts.Oganessian, A.M.Rodin, R.S.Slepnev, S.V.Stepantsov, G.M.Ter-Akopian, R.Wolski, A.A.Korsheninnikov, E.Yu.Nikolskii, P.Roussel-Chomaz, W.Mittig - Proc.Intern.Symposium on Exotic Nuclei, Khanty-Mansiysk, Russia, 17-22 July, 2006, Yu.E.Penionzhkevich, E.A.Cherepanov, Eds. p.43 (2007); AIP Conf.Proc. 912 (2007)
Three-Body Correlations In ^{6}He Revealed In The Quasi-Free Knockout Reaction ^{4}He(^{6}He, 2α)2n

2007SP04 A.Spyrou, H.-W.Becker, A.Lagoyannis, S.Harissopulos, C.Rolfs - Phys.Rev. C 76, 015802 (2007)

Cross-section measurements of capture reactions relevant to the p process using a 4π γ-summing method

2007ST12 B.Streicher, S.Antalic, S.Saro, M.Venhart, F.P.Hessberger, S.Hofmann, D.Ackermann, B.Kindler, I.Kojouharov, B.Lommel, R.Mann, B.Sulignano, P.Kuusiniemi - Acta Phys.Pol. B38, 1561 (2007)
Alpha-Gamma Decay Studies of ^{261}Sg

2007ST16 K.Starosta, A.Dewald, A.Dunomes, P.Adrich, A.M.Amthor, T.Baumann, D.Bazin, M.Bowen, B.A.Brown, A.Chester, A.Gade, D.Galaviz, T.Glasmacher, T.Ginter, M.Hausmann, M.Horoi, J.Jolie, B.Melon, D.Miller, V.Moeller, R.P.Norris, T.Pissulla, M.Portillo, W.Rother, Y.Shimbara, A.Stolz, C.Vaman, P.Voss, D.Weisshaar, V.Zelevinsky - Phys.Rev.Lett. 99, 042503 (2007)
Shape and Structure of N=Z ^{64}Ge: Electromagnetic Transition Rates from the Application of the Recoil Distance Method to a Knockout Reaction

2007ST17 R.Stanoeva, V.Bradnova, S.Vokal, P.I.Zarubin, I.G.Zarubina, N.A.Kachalova, A.D.Kovalenko, A.I.Malakhov, G.I.Orlova, N.G.Peresadko, P.A.Rukoyatkin, V.V.Rusakova, E.Stan, M.Haiduc, S.P.Kharlamov, I.Tsakov, T.V.Shchedrina - Phys.Atomic Nuclei 70, 1216 (2007); Yad.Fiz. 70, 1255 (2007)
Peripheral fragmentation of ^{8}B nuclei in nuclear emulsion at an energy of 1.2 GeV per nucleon

2007ST18 N.J.Stoyer, J.H.Landrum, P.A.Wilk, K.J.Moody, J.M.Kenneally, D.A.Shaughnessy, M.A.Stoyer, J.F.Wild, R.W.Lougheed, S.N.Dmitriev, Yu.Ts.Oganessian, S.V.Shishkin, N.V.Aksenov, E.E.Tereshatov, G.A.Bozhikov, G.K.Vostokin, V.K.Utyonkov, A.A.Yeremin - Nucl.Phys. A787, 388c (2007)
Chemical Identification of a Long-Lived Isotope of Dubnium, a Descendant of Element 115

2007ST19 M.A.Stoyer, W.B.Walters, C.Y.Wu, D.Cline, H.Hua, A.B.Hayes, R.Teng, R.M.Clark, P.Fallon, A.Goergen, A.O.Macchiavelli, K.Vetter, P.Mantica, B.Tomlin - Nucl.Phys. A787, 455c (2007)
Spectroscopy of neutron-rich Pd and Cd isotopes near A=120

2007ST20 J.R.Stone, G.Goldring, N.J.Stone, N.Severijns, M.Hass, D.Zakoucky, T.Giles, U.Koster, I.S.Kraev, S.Lakshmi, M.Lindroos, F.Wauters - Phys.Rev. C 76, 025502 (2007)
Confirmation of parity violation in the γ decay of ^{180}Hf^{m}

2007STZY J.R.Stone, G.Goldring, N.J.Stone, N.Severijns, M.Hass, D.Zakoucky, T.Giles, U.Koster, I.S.Kraev, S.Lakshmi, M.Lindroos, F.Wauters - arXiv:0707.1061v1 [nucl-ex] (2007)
Confirmation of Parity Violation in the Gamma Decay of ^{180}Hf^{m}

2007SZ05 S.Szilner, C.A.Ur, L.Corradi, N.Marginean, G.Pollarolo, A.M.Stefanini, S.Beghini, B.R.Behera, E.Fioretto, A.Gadea, B.Guiot, A.Latina, P.Mason, G.Montagnoli, F.Scarlassara, M.Trotta, G.de Angelis, F.Della Vedova, E.Farnea, F.Haas, S.Lenzi, S.Lunardi, R.Marginean, R.Menegazzo, D.R.Napoli, M.Nespolo, I.V.Pokrovsky, F.Recchia, M.Romoli, M.-D.Salsac, N.Soic, J.J.Valiente-Dobon - Phys.Rev. C 76, 024604 (2007)
Multinucleon transfer reactions in closed-shell nuclei

2007TA14 S.Takacs, F.Tarkanyi, B.Kiraly, A.Hermanne, M.Sonck - Nucl.Instrum.Methods Phys.Res. B260, 495 (2007)
Evaluated activation cross sections of longer-lived radionuclides produced by deuteron induced reactions on natural nickel

2007TA15 O.B.Tarasov, T.Baumann, A.M.Amthor, D.Bazin, C.M.Folden III, A.Gade, T.N.Ginter, M.Hausmann, M.Matos, D.J.Morrissey, A.Nettleton, M.Portillo, A.Schiller, B.M.Sherrill, A.Stolz, M.Thoennessen - Phys.Rev. C 75, 064613 (2007)
New isotope ^{44}Si and systematics of the production cross sections of the most neutron-rich nuclei

2007TA16 S.Takacs, B.Kiraly, F.Tarkanyi, A.Hermanne - Nucl.Instrum.Methods Phys.Res. B262, 7 (2007)
Evaluated activation cross sections of longer-lived radionuclides produced by deuteron induced reactions on natural titanium

2007TA17 E.R.Tardiff, T.E.Chupp, W.Lorenzon, S.R.Nuss-Warren, J.A.Behr, M.R.Pearson, K.Gulyuz, R.S.Lefferts, N.Pietralla, G.Rainovski, J.F.Sell, G.D.Sprouse - Nucl.Instrum.Methods Phys.Res. A579, 472 (2007)
Polarization and relaxation of ^{209}Rn

2007TA23 Y.Tameshige, K.Sagara, T.Kudoh, M.Shiota, S.Shimomoto, T.Wakasa, K.Hatanaka, A.Tamii, Y.Sakemi, Y.Shimizu, H.P.Yoshida, H.Kamada, H.Witala - Nucl.Phys. A790, 446c (2007)
Tensor analyzing powers of pd radiative capture at E $_{d(pol)}$ = 137 MeV

2007TA25 L.Tang, and the Jlab E01-011 Collaboration - Nucl.Phys. A790, 679c (2007)
The HKS experiment on Λ-hypernuclear spectroscopy via electroproduction at JLab

2007TAZW V.H.Tan, T.T.Anh, N.C.Hai, P.N.Son, T.Fukahori - Proc.2006 Symposium on Nuclear Data, RICOTTI, Tokai-mura, Japan, Jan. 25-26 (2007) T.Fukahori, Ed.p.V.02 (2007)
Measurement of Neutron Capture Cross Sections of ^{139}La, ^{152}Sm and ^{191,193}Ir at 55 and 144keV

2007TH07 N.J.Thompson, P.H.Regan, A.B.Garnsworthy, A.D.Ayangeakaa, H.C.Ai, L.Amon, R.B.Cakirli, R.F.Casten, C.R.Fitzpatrick, S.J.Freeman, G.Guerdal, A.Heinz, G.A.Jones, E.A.McCutchan, J.Qian, V.Werner, S.J.Williams, R.Winkler - Acta Phys.Pol. B38, 1381 (2007)
Spectroscopy of $^{91}Zr_{51}$ at Medium to High Spins

2007TI07 J.Timar, T.Koike, N.Pietralla, G.Rainovski, D.Sohler, T.Ahn, G.Berek, A.Costin, K.Dusling, T.C.Li, E.S.Paul, K.Starosta, C.Vaman - Phys.Rev. C 76, 024307 (2007)
High-spin structure of ^{105}Ag: Search for chiral doublet bands

2007TR08 V.Tripathi, S.L.Tabor, P.F.Mantica, Y.Utsuno, P.Bender, J.Cook, C.R.Hoffman, S.Lee, T.Otsuka, J.Pereira, M.Perry, K.Pepper, J.S.Pinter, J.Stoker, A.Volya, D.Weisshaar - Phys.Rev. C 76, 021301 (2007)
Competition between normal and intruder states inside the "island of inversion"

2007TRZX H.P.Trautvetter, D.Bemmerer, R.Bonetti, C.Broggini, A.Caciolli, F.Confortola, P.Corvisiero, H.Costantini, Z.Elekes, A.Formicola, Zs.Fulop, G.Gervino, A.Guglielmetti, Gy.Gyurky, C.Gustavino, G.Imbriani, M.Junker, A.Lemut, B.Limata, M.Marta, C.Mazzocchi, R.Menegazzo, P.Prati, V.Roca, C.Rolfs, C.Rossi Alvarez, E.Somorjai, O.Straniero, F.Strieder, F.Terrasi, S.Vezzu, A.Vomiero - ArXiv:0708.3376v1 [nucl-ex] (2007)
Ground state capture in ^{14}N(p, γ)^{15}O studied above the 259 keV resonance at LUNA

2007TU04 A.Tumino, C.Spitaleri, G.G.Rapisarda, S.Cherubini, S.Blagus, M.Bogovac, V.Crucilla, Z.Elekes, Z.Fulop, M.Gulino, G.Gyurky, G.Kiss, M.La Cognata, L.Lamia, Dj.Miljanic, M.Milin, F.Mudo, A.Mukhamedzhanov, R.G.Pizzone, D.Rendic, S.Romano, M.L.Sergi, E.Somorjai - Nucl.Phys. A787, 337c (2007)
No signature of nuclear-Coulomb interference in the proton-proton elastic scattering via the Trojan Horse Method

2007UG01 C.Ugalde, A.E.Champagne, S.Daigle, C.Iliadis, R.Longland, J.R.Newton, E.Osenbaugh-Stewart, J.A.Clark, C.Deibel, A.Parikh, P.D.Parker, C.Wrede - Phys.Rev. C 76, 025802 (2007)
Experimental evidence for a natural parity state in ^{26}Mg and its impact on the production of neutrons for the s process

2007VA10 A.A.Vasenko, N.D.Galanina, K.E.Gusev, V.S.Demidov, E.V.Demidova, I.V.Kirpichnikov, A.Yu.Sokolov, A.S.Starostin, N.A.Khaldeeva - Phys.Atomic Nuclei 70, 1160 (2007); Yad.Fiz. 70, 1199 (2007)
Investigation of semicoherent interactions of 1-GeV protons with silicon

2007VAZX Yu.A.Vaganov, J.S.Ibrahim, V.G.Kalinnikov, V.I.Stegailov, Zh.Sereeter, D.V.Filosofov, Yu.V.Yushkevich - Contrib. 57th International Conf. "Nucleus-2007" on Problems on Fundamental Problems of Nuclear Physics, Atomic Power Engineering and Nuclear Technologies, Voronezh, p.76 (2007)
On Excitation of Three-Quasiparticle States in ^{159,161}Ho Nuclei in Beta Decay of ^{159,161}Er

2007VI09 I.N.Vishnevsky, V.A.Zheltonozhsky, L.P.Katsubo, N.V.Strilchuk, P.N.Trifonov, S.N.Fedotkin - Bull.Rus.Acad.Sci.Phys. 71, 884 (2007); Izv.Akad.Nauk RAS, Ser.Fiz. 71, 912 (2007)
Excitation of ^{113m,115m} In by positrons

2007VI10 I.N.Vishnevsky, S.S.Drapey, V.A.Zheltonozhsky, E.O.Kochergina, N.V.Strilchuk - Bull.Rus.Acad.Sci.Phys. 71, 890 (2007); Izv.Akad.Nauk RAS, Ser.Fiz. 71, 918 (2007)
Investigation of excitation of Ag atoms in internal conversion of γ rays

2007VI11 A.C.C.Villari, C.Eleon, R.Alves-Conde, J.C.Angelique, C.Barue, C.Canet, M.Dubois, M.Dupuis, J.L.Flambard, G.Gaubert, P.Jardin, N.Lecesne, P.Leherissier, F.Lemagnen, R.Leroy, L.Maunoury, J.Y.Pacquet, F.Pellemoine, M.G.Saint-Laurent, C.Stodel, J.C.Thomas - Nucl.Phys. A787, 126c (2007)
SPIRAL at GANIL: Latest Results and Plans for the Future

2007VIZY I.N.Vishnevsky, V.A.Zheltonozhsky, A.N.Savrasov, L.V.Sadovnikov, N.V.Strilchuk - Contrib. 57th International Conf. "Nucleus-2007" on Problems on Fundamental Problems of Nuclear Physics, Atomic Power Engineering and Nuclear Technologies, Voronezh, p.135 (2007)
Excitation of 8^- Isomeric States in ^{120}Sb and ^{152}Eu by Reactions with γ-Rays and Neutrons

2007VIZZ I.N.Vishnevsky, V.A.Zheltonozhsky, I.N.Kadenko, E.V.Kulich, V.A.Plujko, N.V.Strilchuk - Contrib. 57th International Conf. "Nucleus-2007" on Problems on Fundamental Problems of Nuclear Physics, Atomic Power Engineering and Nuclear Technologies, Voronezh, p.121 (2007)
Integral Cross-Sections of the Photonuclear Reactions on ^{118}Sn and ^{121}Sb Nuclei

2007WA20 J.G.Wang, S.J.Zhu, J.H.Hamilton, A.V.Ramayya, J.K.Hwang, Y.X.Luo, Y.J.Chen, J.O.Rasmussen, I.Y.Lee, X.L.Che, H.B.Ding, K.Li, C.T.Goodin, Q.Xu - Phys.Rev. C 75, 064301 (2007)
First identification of collective bands and octupole correlations in the neutron-rich ^{143}La nucleus

2007WA21 X.Wang, R.V.F.Janssens, E.F.Moore, U.Garg, Y.Gu, S.Frauendorf, M.P.Carpenter, S.S.Ghugre, N.J.Hammond, T.Lauritsen, T.Li, G.Mukherjee, N.S.Pattabiraman, D.Seweryniak, S.Zhu - Phys.Rev. C 75, 064315 (2007)
Lifetime measurements of triaxial strongly deformed bands in ^{163}Tm

2007WAZY T.Wakasa, M.Dozono, E.Ihara, S.Asaji, K.Fujita, K.Hatanaka, M.Ichimura, T.Ishida, T.Kaneda, H.Matsubara, Y.Nagasue, T.Noro, Y.Sakemi, Y.Shimizu, H.Takeda, Y.Tameshige, A.Tamii, Y.Yamada - ArXiv:0708.2813v1 [nucl-ex] (2007)
Study of nuclear correlation effects via ^{12}C(p(pol), n(pol))^{12}N(g.s., 1^+) at 296 MeV

2007WI08 O.Wieland, A.Bracco, F.Camera, G.Benzoni, N.Blasi, F.C.L.Crespi, S.Leoni, B.Million, S.Barlini, V.L.Kravchuk, F.Gramegna, A.Lanchais, A.Maj, M.Kmiecik, G.Casini, M.Chiari, A.Nannini, M.Bruno, E.Geraci - Acta Phys.Pol. B38, 1447 (2007)
Damping Mechanism of the Giant Dipole Resonance in Hot Nuclei with A =130

2007WI09 E.L.Wilds, Jr., R.H.France III, J.E.McDonald, Z.Zhao, M.Gai - Phys.Rev. C 76, 018501 (2007)
Upper limits on the first-forbidden rank-one β decay of ^{20}F

2007WO02 E.Wojcik, M.Kicinska-Habior, O.Kijewska, M.Kowalczyk, M.Kisielinski, J.Choinski - Acta Phys.Pol. B38, 1469 (2007)
Giant Dipole Radiation and Isospin Mixing in Hot Nuclei with A = 32 - 60

2007YA06 T.Yamaguchi, T.Suzuki, T.Ohnishi, K.Summerer, F.Becker, M.Fukuda, H.Geissel, M.Hosoi, R.Janik, K.Kimura, S.Mandal, G.Munzenberg, S.Nakajima, T.Ohtsubo, A.Ozawa, A.Prochazka, M.Shindo, B.Sitar, P.Strmen, T.Suda, K.Sugawara, I.Szarka, A.Takisawa, M.Takechi, K.Tanaka - Nucl.Phys. A787, 471c (2007)
Nuclear radii of neutron-deficient Kr isotopes studied via their interaction cross-sections at relativistic energies

2007YA08 C.Yazidjian, G.Audi, D.Beck, K.Blaum, S.George, C.Guenaut, F.Herfurth, A.Herlert, A.Kellerbauer, H.-J.Kluge, D.Lunney, L.Schweikhard - Phys.Rev. C 76, 024308 (2007)
Evidence for a breakdown of the isobaric multiplet mass equation: A study of the A = 35, T = 3 / 2 isospin quartet

2007YAZX C.Yazidjian, G.Audi, D.Beck, K.Blaum, S.George, C.Guenaut, F.Herfurth, A.Herlert, A.Kellerbauer, H.-J.Kluge, D.Lunney, L.Schweikhard - arXiv:0707.3201v1 [nucl-ex] (2007)
Evidence for a breakdown of the Isobaric Multiplet Mass Equation: A study of the A=35, T=3 / 2 isospin quartet

2007YOZZ A.Yoshimi, H.Ueno, D.Kameda, K.Asahi, D.Nagae, M.Takemura, K.Shimada, K.Takase, T.Sugimoto, M.Uchida, T.Arai, T.Inoue, J.Murata, H.Kawamura - Proc.Intern.Symposium on Exotic Nuclei, Khanty-Mansiysk, Russia, 17-22 July, 2006, Yu.E.Penionzhkevich, E.A.Cherepanov, Eds. p.105 (2007); AIP Conf.Proc. 912 (2007)
Electric Quadrupole Moments of Neutron Rich Al Isotope

2007ZAZX D.Zakoucky, J.R.Stone, G.goldring, N.J.Stone, N.Severijns, M.Hass, T.Giles, U.Koester, I.S.Kraev, S.Lakshmi, M.Lindroos, F.Wauters, and the NICOLE and ISOLDE Collaboration - Proc. XLV Intern.Winter Meeting on Nuclear Physics, Bormio, Italy, 15 - 20 January 2007, I.Iori, A.Tarantola eds., p.348 (2007)
Parity non-conservation observed in nuclear γ-decay

2007ZE03 R.G.T.Zegers - Nucl.Phys. A787, 329c (2007)
Measurement of weak rates for stellar evolution via the (t, ^{3}He) reaction

2007ZEZZ R.G.T.Zegers, T.Adachi, H.Akimune, S.M.Austin, A.M.van den Berg, B.A.Brown, Y.Fujita, M.Fujiwara, S.Gales, C.J.Guess, M.N.Harakeh, H.Hashimoto, K.Hatanaka, R.Hayami, G.W.Hitt, M.E.Howard, M.Itoh, T.Kawabata, K.Kawase, M.Kinoshita, M.Matsubara, K.Nakanishi, S.Nakayama, S.Okumura, T.Ohta, Y.Sakemi, Y.Shimbara, Y.Shimizu, C.Scholl, C.Simenel, Y.Tameshige, A.Tamii, M.Uchida, T.Yamagata, M.Yosoi - arXiv:0707.2840v1 [nucl-ex] (2007)
On the extraction of weak transition strengths via the (^{3}He, t) reaction at 420 MeV

2007ZH34 H.Zhou, F.Deng, X.Ding, M.Hua, Q.Zhu, C.Wang, Q.Zhao, G.Fan - Nucl.Sci.Eng. 157, 354 (2007)

Discrete Gamma Radiation in Interaction of 14.9-MeV Neutrons with Natural Copper

2007ZHZZ V.A.Zheltonozhsky, V.M.Mazur, E.V.Kulich, N.V.Strilchuk, P.N.Trifonov - Contrib. 57th International Conf. "Nucleus-2007" on Problems on Fundamental Problems of Nuclear Physics, Atomic Power Engineering and Nuclear Technologies, Voronezh, p.136 (2007)
Isomer High-Spin States Excitation on ^{190}Ir and ^{196,198}Au in Reactions with γ-Rays and Neutrons

2007ZI03 J.A.Zimmerman, F.D.Becchetti, H.C.Griffin, D.A.Roberts, M.Y.Lee, T.W.O'Donnell, J.A.Brown, R.M.Ronningen, T.Glasmacher, R.W.Ibbotson, H.Scheit, B.Pritychenko, D.W.Anthony, P.A.Lofy, M.Steiner - Nucl.Instrum.Methods Phys.Res. A579, 476 (2007)
Nuclear reactions with radioactive, isomer beams: Coulomb excitation of $^{18}F_{g.s}$ and its $J^{\pi} = 5^{+}$ isomer $^{18}F^{m}$ using a large position-sensitive NaI array