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This document lists experimental references added to Nuclear Science References (NSR) during the period July 1, 2011 to September 30, 2011. 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	2010AC02	NUCLEAR REACTIONS ^{1}H(e, e'K^{+}), E=1507 MeV; measured electron and kaon spectra; deduced missing mass spectrum, Λ-, Σ-hyperons. JOUR NUPAB 835 313c
	2010AH04	NUCLEAR REACTIONS ^{1}H(γ, K^{+}), (γ, K$^{+}\pi^{+}$), (γ, K$^{+}\pi^{-}$), (γ, K$^{-}\pi^{+}$), (γ, $\Sigma^{+}\pi^{-}$), (γ, $\Sigma^{-}\pi^{+}$), E≈1.5-2.4 GeV; measured missing mass spectra; deduced Λ(1405) photoproduction σ. JOUR NUPAB 835 329c
	2010LIZW	NUCLEAR REACTIONS ^{2}H(^{8}Li, ^{9}Li), E(cm)=7.8 MeV; ^{2}H(^{8}Li, ^{9}Be), E(cm)=8.0 MeV; ^{1}H(^{8}Li, ^{7}Li), E(cm)=4.0 MeV; measured E(particle), I(particle, θ); deduced single-particle spectroscopic factors using DWBA, S-factors, ^{6}Li(n, γ), E=0.01-0.10 MeV σ. ^{1}H(^{17}F, ^{18}Ne), E(cm)=0.3-1.6 MeV; measured E(particle), I(particle, θ); calculated σ using R matrix; deduced $\sigma(\theta)$, proton widths of ^{18}Ne levels. ^{1}H(^{12}N, γ), E(cm)=9.4 MeV; deduced ^{13}O to ^{12}N+p single particle spectroscopic factor, S factor. CONF Tsukuba(Nuclear Physics Trends) Proc.P322,Liu
	2010SHZW	NUCLEAR REACTIONS ^{2}H(γ, p), E=15-37 MeV; ^{4}He(γ, p), (γ, n), E*null*0-45 MeV; measured reaction products; deduced σ. Comparison with ENDF / B-VII, other data, momentum-space approach calculations. CONF Tsukuba(Nuclear Physics Trends) Proc.P315,Shima
	2011ARZZ	RADIOACTIVITY ^{1}n(β^{-}); measured In(t); deduced $T_{1/2}$. Comparison with PDG data and Serebrov experiment. CONF Dubna(ISINN-18),P11,Arzumanov
	2011BE27	NUCLEAR REACTIONS ^{3}H(d, 2d), E = 36.9 MeV; measured deuteron spectra; deduced $\sigma(\theta)$, $\sigma(\theta$, E). JOUR BRSPE 75 925
	2011KHZY	RADIOACTIVITY ^{1}n(β^{-}); measured Ip(t), Ie(t), Iγ(t), ep-coin, epγ-coin; deduced radiative peak energy, width, branching ratio. CONF Dubna(ISINN-18),P73,Khafizov
	2011LIZZ	NUCLEAR REACTIONS ^{2}H(^{12}N, ^{13}O), E=70 MeV; measured E(particle), I(particle, θ); deduced $\sigma(\theta)$, S-factors; calculated $\sigma(\theta)$ using FRESCO. REPT CNS-REP-86,P15,Liu
^{1}H	2010AH04	NUCLEAR REACTIONS ^{1}H(γ, K^{+}), (γ, K$^{+}\pi^{+}$), (γ, K$^{+}\pi^{-}$), (γ, K$^{-}\pi^{+}$), (γ, $\Sigma^{+}\pi^{-}$), (γ, $\Sigma^{-}\pi^{+}$), E≈1.5-2.4 GeV; measured missing mass spectra; deduced Λ(1405) photoproduction σ. JOUR NUPAB 835 329c
	2010BAZV	NUCLEAR REACTIONS ^{1}H(^{17}F, ^{17}F'), E(cm)=600 keV; measured reaction products; deduced 3^{+} resonance strength, reaction rate. ^{1}H(^{7}Li, γ), E=12 MeV; measured reaction products; deduced σ at E(cm)=1.5 MeV, S-factor. Daresbury Recoil Separator. CONF Heidelberg (NIC XI) Proc,P202,Bardayan
	2010CHZT	NUCLEAR REACTIONS ^{4}He(^{19}F, ^{22}Ne), E=6-12.3 MeV; measured Ep, Ip;deduced yields. CONF Heidelberg (NIC XI) Proc,P217,Chae
	2010HAZQ	NUCLEAR REACTIONS ^{2}H(γ, n), E=0-20 MeV; measured Eγ, Iγ, En, In(θ, t). ToF measurement at ELBE, Dresden-Rossendorf. CONF Heidelberg (NIC XI) Proc,P90,Hannaske

A=1 ***(continued)***

2010HAZR NUCLEAR REACTIONS ^{4}He(^{11}C, ^{14}N), E(cm)=0-4.5 MeV; measured thick target Ep, Ip, Eα, Iα, E(particle), I(particle); deduced σ to individual low-lying states, reaction rates; calculated reaction rates using NON-SMOKER. CONF Heidelberg (NIC XI) Proc,P62,Hayakawa

2010IWZX NUCLEAR REACTIONS ^{2}H(polarized γ, n), E=2.2-3.7 MeV; measured En, In(θ); deduced $\sigma(\theta)$, σ(M1, θ), σ(E1, θ). Comparison with other data, JENDL3.3. CONF Kobe(Tours Nuc.Phys.and Astroph.VII) Proc.P301,Iwamoto

2010LIZW NUCLEAR REACTIONS ^{2}H(^{8}Li, ^{9}Li), E(cm)=7.8 MeV; ^{2}H(^{8}Li, ^{9}Be), E(cm)=8.0 MeV; ^{1}H(^{8}Li, ^{7}Li), E(cm)=4.0 MeV; measured E(particle), I(particle, θ); deduced single-particle spectroscopic factors using DWBA, S-factors, ^{6}Li(n, γ), E=0.01-0.10 MeV σ. ^{1}H(^{17}F, ^{18}Ne), E(cm)=0.3-1.6 MeV; measured E(particle), I(particle, θ); calculated σ using R matrix; deduced $\sigma(\theta)$, proton widths of ^{18}Ne levels. ^{1}H(^{12}N, γ), E(cm)=9.4 MeV; deduced ^{13}O to ^{12}N+p single particle spectroscopic factor, S factor. CONF Tsukuba(Nuclear Physics Trends) Proc.P322,Liu

2010PIZW NUCLEAR REACTIONS ^{6}Li(^{3}He, 2α), E=17.5 MeV; measured Eα, I$\alpha(\theta)$; deduced spectator momentum distribution, $\sigma(\theta$, E(cm)=2.94 MeV), ^{6}Li(d, α) σ. Trojan horse method. CONF Sinaia (Exotic Nucei and Nuc.Part.Astroph.III)Proc.P202,Pizzone

2010SPZY NUCLEAR REACTIONS ^{2}H(^{3}He, pt), E=17 MeV; measured Ep, Ip, E(particle), I(particle), (particle)p-coin; deduced ^{2}H(d, p) σ, S-factors, reaction rate for low energy using Trojan horse method. CONF Sinaia (Exotic Nucei and Nuc.Part.Astroph.III)Proc.P420,Sparta

2011ARZZ RADIOACTIVITY ^{1}n(β^-); measured In(t); deduced $T_{1/2}$. Comparison with PDG data and Serebrov experiment. CONF Dubna(ISINN-18),P11,Arzumanov

2011AT02 NUCLEAR REACTIONS ^{1,2}H, C, O(n, n'), E<0.0253 eV; measured En, In, TOF; deduced yields, production rates of ultracold neutrons. Comparison with GEANT4 UCN-Monte Carlo code. JOUR EULEE 95 12001

2011HAZY NUCLEAR REACTIONS ^{4}He(^{11}C, ^{14}N), (^{11}B, ^{14}C)(cm)=1-4.5 MeV; measured thick target Eα, Iα, Ep, Ip, E(particle), I(particle); deduced σ to individual states; calculated σ to individual states using NON-SMOKER code. REPT CNS-REP-86,P7,Hayakawa

2011KHZY RADIOACTIVITY ^{1}n(β^-); measured Ip(t), Ie(t), Iγ(t), ep-coin, epγ-coin; deduced radiative peak energy, width, branching ratio. CONF Dubna(ISINN-18),P73,Khafizov

2011SE06 NUCLEAR REACTIONS ^{1}H(polarized d, d), E=250 MeV / nucleon; measured deuteron and proton spectra, dp-coin, deuteron analyzing powers. ^{1}H(polarized d, d), E=70, 100, 135, 200 MeV / nucleon; analyzed previous analyzing powers data. Comparison with three-nucleon Faddeev calculations based on nucleon-nucleon (NN) potentials alone or combined with two models of three nucleon forces: the Tucson-Melbourne 99 (TM99) and Urbana IX. JOUR PRVCA 83 061001

A=1 *(continued)*

	2011TEZZ	NUCLEAR REACTIONS ^{1}H(^{17}Ne, ^{17}Ne), E=0-4.9 MeV / nucleon;^{1}H(^{14}O, ^{14}O), E(cm)=0.5-4.5 MeV; measured Ep, Ip, E(particle), I(particle); deduced σ, resonance energy. REPT CNS-REP-86,P17,Teranishi

A=2

^{2}H	2010AG13	NUCLEAR REACTIONS ^{2}H, ^{7}Li, ^{9}Be, ^{13}C(K^-, π^-), E at rest; measured Λ hypernucleus binding energy, formation probability. JOUR NUPAB 835 414c
	2010AG14	RADIOACTIVITY ^{4}He(p), (d), ^{5}He(d); measured d momentum distribution from non-mesonic two-body hypernuclei decay; deduced decay branching ratios. FINUDA facility. JOUR NUPAB 835 439c
	2010KA38	NUCLEAR REACTIONS ^{2}H, ^{12}C(γ, $\pi^+\pi^-$), E=0.8-1.1 GeV; measured pion spectra; deduced K^0 photoproduction. JOUR NUPAB 835 317c
	2010LIZW	NUCLEAR REACTIONS ^{2}H(^{8}Li, ^{9}Li), E(cm)=7.8 MeV; ^{2}H(^{8}Li, ^{9}Be), E(cm)=8.0 MeV; ^{1}H(^{8}Li, ^{7}Li), E(cm)=4.0 MeV; measured E(particle), I(particle, θ); deduced single-particle spectroscopic factors using DWBA, S-factors, ^{6}Li(n, γ), E=0.01-0.10 MeV σ. ^{1}H(^{17}F, ^{18}Ne), E(cm)=0.3-1.6 MeV; measured E(particle), I(particle, θ); calculated σ using R matrix; deduced $\sigma(\theta)$, proton widths of ^{18}Ne levels. ^{1}H(^{12}N, γ), E(cm)=9.4 MeV; deduced ^{13}O to ^{12}N+p single particle spectroscopic factor, S factor. CONF Tsukuba(Nuclear Physics Trends) Proc.P322,Liu
	2011AT02	NUCLEAR REACTIONS ^{1,2}H, C, O(n, n'), E<0.0253 eV; measured En, In, TOF; deduced yields, production rates of ultracold neutrons. Comparison with GEANT4 UCN-Monte Carlo code. JOUR EULEE 95 12001
	2011FR11	NUCLEAR REACTIONS ^{2,3}H(n, n), E=14.1 MeV; measured reaction products En, In; deduced $\sigma(\theta)$. An internal confinement fusion facility. JOUR PRLTA 107 122502
	2011TO06	NUCLEAR REACTIONS ^{3}He(γ, p), E=7-16 MeV; measured reaction products, Ep, Ip; deduced σ. Comparison with theoretical calculations and experimental data. JOUR PYLBB 702 121

A=3

^{3}H	2010AG14	RADIOACTIVITY ^{4}He(p), (d), ^{5}He(d); measured d momentum distribution from non-mesonic two-body hypernuclei decay; deduced decay branching ratios. FINUDA facility. JOUR NUPAB 835 439c
	2010KAZL	NUCLEAR REACTIONS ^{6}Li(d, α), E=25-70 keV; measured liquid, solid thick target reaction products; deduced yield, S-factor, screening potential. ^{2}H(d, p), E=30-70 keV; measured reaction products; deduced ultrasonic cavitation influence. CONF Kobe(Tours Nuc.Phys.and Astroph.VII) Proc.P151,Kasagi

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	2010SHZW	NUCLEAR REACTIONS ^{2}H(γ, p), E=15-37 MeV; ^{4}He(γ, p), (γ, n), E*null*0-45 MeV; measured reaction products; deduced σ. Comparison with ENDF / B-VII, other data, momentum-space approach calculations. CONF Tsukuba(Nuclear Physics Trends) Proc.P315,Shima
	2011FR11	NUCLEAR REACTIONS ^{2,3}H(n, n), E=14.1 MeV; measured reaction products En, In; deduced $\sigma(\theta)$. An internal confinement fusion facility. JOUR PRLTA 107 122502
^{3}He	2010SHZW	NUCLEAR REACTIONS ^{2}H(γ, p), E=15-37 MeV; ^{4}He(γ, p), (γ, n), E*null*0-45 MeV; measured reaction products; deduced σ. Comparison with ENDF / B-VII, other data, momentum-space approach calculations. CONF Tsukuba(Nuclear Physics Trends) Proc.P315,Shima
	2011FR10	NUCLEAR MOMENTS ^{3,4}He; measured microwave spectra; deduced spin magnetic moment of antiproton. Comparison with previous measurements. JOUR HYIND 199 337
	2011PO10	NUCLEAR REACTIONS ^{3}H(α, nt)^{3}He, E=67.2 MeV; measured reaction products, Eα, Iα. ^{6}Li; deduced higher lying states in ^{6}Li, resonances. Comparison with experimental data. JOUR JUPSA 80 094204

A=4

^{4}H	2010NAZW	NUCLEAR REACTIONS ^{4}He(^{7}Li, ^{7}Be), E=455 MeV; measured E(particle), I(particle), Eγ, Iγ, (particle)γ-coin; deduced GDR, SDR dσ(E); calculated GDR, SDR dσ(E), dσ(E) for ^{4}He excited by neutrinos. Comparison with other calculations. CONF Kobe(Tours Nuc.Phys.and Astroph.VII) Proc.P280,Nakayama
^{4}He	2010AG14	RADIOACTIVITY ^{4}He(p), (d), ^{5}He(d); measured d momentum distribution from non-mesonic two-body hypernuclei decay; deduced decay branching ratios. FINUDA facility. JOUR NUPAB 835 439c
	2010DEZV	NUCLEAR REACTIONS ^{2}H(^{28}Si, n), (^{32}S, n), (^{36}Ar, n), E≈320-325 MeV; measured reaction products. ^{1}H(^{29}P, ^{26}Si), E≈230 MeV;^{1}H(^{33}Cl, ^{30}S), E=208, 229, 250 MeV; ^{1}H(^{37}K, ^{34}Ar), E=235, 255, 275 MeV; measured Eα, I$\alpha(\theta)$, E(particle), I(particle); deduced σ; calculated σ using NON-SMOKER. Heavy ions from reactions on deuterium used as beams for reactions on hydrogen. Cross sections not presented in the paper. CONF Heidelberg (NIC XI) Proc,P56,Deibel
	2010KAZL	NUCLEAR REACTIONS ^{6}Li(d, α), E=25-70 keV; measured liquid, solid thick target reaction products; deduced yield, S-factor, screening potential. ^{2}H(d, p), E=30-70 keV; measured reaction products; deduced ultrasonic cavitation influence. CONF Kobe(Tours Nuc.Phys.and Astroph.VII) Proc.P151,Kasagi
	2010YAZX	NUCLEAR REACTIONS ^{4}He(^{7}Li, x), E=13.7 MeV;^{4}He(^{7}Li, ^{7}Li), E(cm)=1.0-4.5 MeV; measured thick target Eα, Iα, Eβ, Iβ, Eγ, Iγ, E(particle), I(particle); deduced dσ(E), $\sigma(\theta)$. CONF Heidelberg (NIC XI) Proc,P214,Yamaguchi

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	2011BA30	NUCLEAR REACTIONS ^{2}H(d, γ), E not given; measured Eγ, Iγ, Eβ, Iβ; deduced upper limit on the relative yield from the J=1 state. JOUR JTPHE 113 68
	2011BIZZ	NUCLEAR REACTIONS ^{4}He(^{21}Na, ^{21}Na'), E(cm)=1.6-6.2 MeV; measured Eα, I$\alpha(\theta)$, Ep, Ip; deduced $\sigma(\theta)$, resonance parameters; calculated $\sigma(\theta)$ using multichannel R-matrix theory. REPT CNS-REP-86,P5,Binh
	2011FR10	NUCLEAR MOMENTS ^{3,4}He; measured microwave spectra; deduced spin magnetic moment of antiproton. Comparison with previous measurements. JOUR HYIND 199 337
	2011NO12	NUCLEAR REACTIONS ^{4}He(^{36}Ar, ^{36}Ar), E=150 MeV; measured thick target Eα, I$\alpha(\theta)$. ^{40}Ca deduced resonance parameters, moments of inertia. JOUR ZAANE 47 96
	2011SU16	RADIOACTIVITY ^{8}Li(β^-), ($\beta^-\alpha$)[from ^{7}Li(d, p), E=3.5 MeV]; ^{8}B (β^+), ($\beta^+\alpha$)[from ^{6}Li(^{3}He, n), E=4.7 MeV]; measured Eβ, Iβ, $\beta(\theta)$ from spin polarized ^{8}Li and ^{8}B; deduced alignment and $\beta\alpha$ angular correlation terms and contributing matrix elements, weak magnetism term. β-NMR technique. Comparison with conserved vector current (CVC) predictions. JOUR PRVCA 83 065501

A=5

^{5}n	2011BE31	NUCLEAR REACTIONS ^{4}He(p-bar, π^+), (p-bar, π^-), E at rest; measured reaction products; deduced pion σ(E), multiplicity. JOUR ZAANE 47 82
^{5}He	2010AG14	RADIOACTIVITY ^{4}He(p), (d), ^{5}He(d); measured d momentum distribution from non-mesonic two-body hypernuclei decay; deduced decay branching ratios. FINUDA facility. JOUR NUPAB 835 439c
	2011BE31	NUCLEAR REACTIONS ^{4}He(p-bar, π^+), (p-bar, π^-), E at rest; measured reaction products; deduced pion σ(E), multiplicity. JOUR ZAANE 47 82

A=6

^{6}He	2011VE07	RADIOACTIVITY ^{6}He(β^-); measured recoil ions, Eβ, Iβ; deduced β-ν angular correlation coefficients. GEANT4 simulation. JOUR HYIND 199 29
^{6}Li	2011DU19	NUCLEAR REACTIONS ^{6}Li, ^{12}C, ^{19}F, ^{27}Al(p, γ), (p, p), E=590-1150 keV; measured reaction products, proton spectra; deduced $\sigma(\theta)$, S-factors. Optical model calculations, comparison with experimental data. JOUR PANUE 74 984
	2011PO10	NUCLEAR REACTIONS ^{3}H(α, nt)^{3}He, E=67.2 MeV; measured reaction products, Eα, Iα. ^{6}Li; deduced higher lying states in ^{6}Li, resonances. Comparison with experimental data. JOUR JUPSA 80 094204

A=6 *(continued)*

	2011VE07	RADIOACTIVITY ^{6}He(β^-); measured recoil ions, Eβ, Iβ; deduced β-ν angular correlation coefficients. GEANT4 simulation. JOUR HYIND 199 29
^{6}Be	2011COZZ	NUCLEAR REACTIONS ^{3}He(^{7}Be, α), E=53.4 MeV; measured reaction products; deduced σ(E). ^{197}Au(^{7}Be, ^{7}Be), E=53.4 MeV; measured reaction products; deduced $\sigma(\theta)$. REPT CNS-REP-86,P19,Condori

A=7

^{7}Li	2010AG13	NUCLEAR REACTIONS ^{2}H, ^{7}Li, ^{9}Be, ^{13}C(K^-, π^-), E at rest; measured Λ hypernucleus binding energy, formation probability. JOUR NUPAB 835 414c
	2010YAZY	NUCLEAR REACTIONS ^{7}Be(p, γ), (p, p), E(cm)=0.3-6.5 MeV; measured reaction products; calculated R-matrix fit; deduced $\sigma(\theta$=0-8^0), new 1^- resonance. ^{7}Li(α, α), E=0-8 MeV; measured Eα, Iα. CONF Tsukuba(Nuclear Physics Trends) Proc.P247,Yamaguchi
	2011VEZY	NUCLEAR REACTIONS ^{10}B(polarized n, α), E=cold; measured Eγ, I$\gamma(\theta)$; deduced γ asymmetry, weak neutral current constant. CONF Dubna(ISINN-18),P235,Vesna
	2011ZH27	NUCLEAR REACTIONS ^{10}B(n, α), E=4, 5 MeV; measured reaction products, Eα, Iα; deduced σ. Comparison with experimental data and ENDF / B-VII.0, JEFF-3.1 and JENDL-4.0 evaluated nuclear libraries. JOUR CPLEE 28 082801
^{7}Be	2010YAZY	NUCLEAR REACTIONS ^{7}Be(p, γ), (p, p), E(cm)=0.3-6.5 MeV; measured reaction products; calculated R-matrix fit; deduced $\sigma(\theta$=0-8^0), new 1^- resonance. ^{7}Li(α, α), E=0-8 MeV; measured Eα, Iα. CONF Tsukuba(Nuclear Physics Trends) Proc.P247,Yamaguchi
	2011DU19	NUCLEAR REACTIONS ^{6}Li, ^{12}C, ^{19}F, ^{27}Al(p, γ), (p, p), E=590-1150 keV; measured reaction products, proton spectra; deduced $\sigma(\theta)$, S-factors. Optical model calculations, comparison with experimental data. JOUR PANUE 74 984
	2011WA20	NUCLEAR MOMENTS ^{7,9,10,11}Be; measured microwave resonance and transition spectra; deduced the ground state hyperfine constants. JOUR HYIND 199 269
^{7}B	2011CH32	NUCLEAR REACTIONS ^{9}Be(^{9}C, X), E=70 MeV / nucleon, [secondary ^{9}C beam from ^{9}Be(^{16}O, X), E=150 MeV / nucleon primary beam]; measured particle spectra using HiRA array, angular correlations between the particles in particle-decay channels. ^{8}Be, ^{7,8,9}B, ^{8,10}C; deduced levels, width, J, π, isospin, branching ratios, excitation spectra of outgoing particles from many-particle decays of ground and excited states. JOUR PRVCA 84 014320

A=8

^{8}Li	2011SU16	RADIOACTIVITY ^{8}Li(β^-), ($\beta^-\alpha$)[from ^{7}Li(d, p), E=3.5 MeV]; ^{8}B (β^+), ($\beta^+\alpha$)[from ^{6}Li(^{3}He, n), E=4.7 MeV]; measured Eβ, Iβ, $\beta(\theta)$ from spin polarized ^{8}Li and ^{8}B; deduced alignment and $\beta\alpha$ angular correlation terms and contributing matrix elements, weak magnetism term. β-NMR technique. Comparison with conserved vector current (CVC) predictions. JOUR PRVCA 83 065501
^{8}Be	2010BAZV	NUCLEAR REACTIONS ^{1}H(^{17}F, ^{17}F'), E(cm)=600 keV; measured reaction products; deduced 3^+ resonance strength, reaction rate. ^{1}H(^{7}Li, γ), E=12 MeV; measured reaction products; deduced σ at E(cm)=1.5 MeV, S-factor. Daresbury Recoil Separator. CONF Heidelberg (NIC XI) Proc,P202,Bardayan
	2010KIZU	RADIOACTIVITY ^{8}B(β^+); measured Eα, Eα, $\alpha\alpha$-coin; deduced relative *null* σ(E). CONF Heidelberg (NIC XI) Proc,P16,Kirsebom
	2011CH32	NUCLEAR REACTIONS ^{9}Be(^{9}C, X), E=70 MeV / nucleon, [secondary ^{9}C beam from ^{9}Be(^{16}O, X), E=150 MeV / nucleon primary beam]; measured particle spectra using HiRA array, angular correlations between the particles in particle-decay channels. ^{8}Be, ^{7,8,9}B, ^{8,10}C; deduced levels, width, J, π, isospin, branching ratios, excitation spectra of outgoing particles from many-particle decays of ground and excited states. JOUR PRVCA 84 014320
	2011KI14	RADIOACTIVITY ^{8}B(β^+)[from ^{6}Li(^{3}He, n), E=7.0 MeV]; measured β spectra, β-delayed α spectra, Eα, $\alpha\alpha$-coin. ^{8}Be; deduced excitation distribution. Discussed implication of ^{8}B neutrino spectrum. ^{20}Na(β^+); measured β-delayed α spectrum and used for calibration. Monte-Carlo simulations of β decay of ^{8}B. R-matrix parameterization. JOUR PRVCA 83 065802
	2011SU16	RADIOACTIVITY ^{8}Li(β^-), ($\beta^-\alpha$)[from ^{7}Li(d, p), E=3.5 MeV]; ^{8}B (β^+), ($\beta^+\alpha$)[from ^{6}Li(^{3}He, n), E=4.7 MeV]; measured Eβ, Iβ, $\beta(\theta)$ from spin polarized ^{8}Li and ^{8}B; deduced alignment and $\beta\alpha$ angular correlation terms and contributing matrix elements, weak magnetism term. β-NMR technique. Comparison with conserved vector current (CVC) predictions. JOUR PRVCA 83 065501
^{8}B	2010KIZU	RADIOACTIVITY ^{8}B(β^+); measured Eα, Eα, $\alpha\alpha$-coin; deduced relative *null* σ(E). CONF Heidelberg (NIC XI) Proc,P16,Kirsebom
	2010YAZY	NUCLEAR REACTIONS ^{7}Be(p, γ), (p, p), E(cm)=0.3-6.5 MeV; measured reaction products; calculated R-matrix fit; deduced $\sigma(\theta=0\text{-}8^0)$, new 1^- resonance. ^{7}Li(α, α), E=0-8 MeV; measured Eα, Iα. CONF Tsukuba(Nuclear Physics Trends) Proc.P247,Yamaguchi
	2011CH32	NUCLEAR REACTIONS ^{9}Be(^{9}C, X), E=70 MeV / nucleon, [secondary ^{9}C beam from ^{9}Be(^{16}O, X), E=150 MeV / nucleon primary beam]; measured particle spectra using HiRA array, angular correlations between the particles in particle-decay channels. ^{8}Be, ^{7,8,9}B, ^{8,10}C; deduced levels, width, J, π, isospin, branching ratios, excitation spectra of outgoing particles from many-particle decays of ground and excited states. JOUR PRVCA 84 014320

A=8 *(continued)*

	2011KI14	RADIOACTIVITY ^{8}B(β^{+})[from ^{6}Li(^{3}He, n), E=7.0 MeV]; measured β spectra, β-delayed α spectra, Eα, $\alpha\alpha$-coin. ^{8}Be; deduced excitation distribution. Discussed implication of ^{8}B neutrino spectrum. ^{20}Na(β^{+}); measured β-delayed α spectrum and used for calibration. Monte-Carlo simulations of β decay of ^{8}B. R-matrix parameterization. JOUR PRVCA 83 065802
^{8}C	2011CH32	NUCLEAR REACTIONS ^{9}Be(^{9}C, X), E=70 MeV / nucleon, [secondary ^{9}C beam from ^{9}Be(^{16}O, X), E=150 MeV / nucleon primary beam]; measured particle spectra using HiRA array, angular correlations between the particles in particle-decay channels. ^{8}Be, ^{7,8,9}B, ^{8,10}C; deduced levels, width, J, π, isospin, branching ratios, excitation spectra of outgoing particles from many-particle decays of ground and excited states. JOUR PRVCA 84 014320

A=9

^{9}Be	2010AG13	NUCLEAR REACTIONS ^{2}H, ^{7}Li, ^{9}Be, ^{13}C(K^{-}, π^{-}), E at rest; measured Λ hypernucleus binding energy, formation probability. JOUR NUPAB 835 414c
	2011AR10	NUCLEAR REACTIONS ^{10}B(d, t), (d, ^{3}He), E=25 MeV; measured reaction products; deduced $\sigma(\theta)$, asymptotic normalization coefficients. DWBA, optical model. JOUR BRSPE 75 920
	2011PI08	NUCLEAR REACTIONS ^{9}Be, ^{197}Au(^{6}He, ^{6}He), E=16.2, 21.3 MeV, [^{6}He secondary beam from ^{9}Be(^{7}Li, ^{6}He), E=22.18, 26.10 MeV primary beam]; measured ^{6}He spectra, cross sections, $\sigma(\theta)$, biparametric spectrum. Effect of the collective couplings to the excited states. Coupled channels calculations, using a double-folding potential, and three- and four-body continuum-discretized coupled-channels (CDCC) calculations. JOUR PRVCA 83 064603
	2011WA20	NUCLEAR MOMENTS ^{7,9,10,11}Be; measured microwave resonance and transition spectra; deduced the ground state hyperfine constants. JOUR HYIND 199 269
^{9}B	2011AR10	NUCLEAR REACTIONS ^{10}B(d, t), (d, ^{3}He), E=25 MeV; measured reaction products; deduced $\sigma(\theta)$, asymptotic normalization coefficients. DWBA, optical model. JOUR BRSPE 75 920
	2011CH32	NUCLEAR REACTIONS ^{9}Be(^{9}C, X), E=70 MeV / nucleon, [secondary ^{9}C beam from ^{9}Be(^{16}O, X), E=150 MeV / nucleon primary beam]; measured particle spectra using HiRA array, angular correlations between the particles in particle-decay channels. ^{8}Be, ^{7,8,9}B, ^{8,10}C; deduced levels, width, J, π, isospin, branching ratios, excitation spectra of outgoing particles from many-particle decays of ground and excited states. JOUR PRVCA 84 014320
	2011SC18	NUCLEAR REACTIONS ^{9}Be(^{3}He, t), E=140 MeV / nucleon; measured E(t), I(t), $\sigma(\theta)$. ^{9}B; deduced levels, J, π, L-transfer, widths, Gamow-Teller transition strengths, DWBA analysis of $\sigma(\theta)$ data. Comparison with data from (p, n) reaction. Systematics of level energies, GT strengths and shapes of A=9 nuclei: ^{9}Li, ^{9}Be, ^{9}B and ^{9}C. JOUR PRVCA 84 014308

A=10

^{10}Be	2011WA20	NUCLEAR MOMENTS ^{7,9,10,11}Be; measured microwave resonance and transition spectra; deduced the ground state hyperfine constants. JOUR HYIND 199 269
^{10}C	2010LI49	NUCLEAR REACTIONS ^{1}H(^{10}B, n)^{10}C, E=95 MeV; measured reaction products, Eγ, Iγ; deduced excited state lifetime, B(E2). Doppler Shift Attenuation Method (DSAM). JOUR BAPSA 55 MG5
	2011CH32	NUCLEAR REACTIONS ^{9}Be(^{9}C, X), E=70 MeV / nucleon, [secondary ^{9}C beam from ^{9}Be(^{16}O, X), E=150 MeV / nucleon primary beam]; measured particle spectra using HiRA array, angular correlations between the particles in particle-decay channels. ^{8}Be, ^{7,8,9}B, ^{8,10}C; deduced levels, width, J, π, isospin, branching ratios, excitation spectra of outgoing particles from many-particle decays of ground and excited states. JOUR PRVCA 84 014320

A=11

^{11}Be	2011WA20	NUCLEAR MOMENTS ^{7,9,10,11}Be; measured microwave resonance and transition spectra; deduced the ground state hyperfine constants. JOUR HYIND 199 269
^{11}B	2010KAZ0	NUCLEAR REACTIONS ^{11}B, ^{13}C(α, α'), E=388 MeV; measured Eα, I$\alpha(\theta)$; deduced $\sigma(\theta)$; calculated $\sigma(\theta)$ using DWBA with α-cluster structure. CONF Tsukuba(Nuclear Physics Trends) Proc.P207,Kawabata
	2010KI15	RADIOACTIVITY ^{12}C(p), (n); measured hypernucleus decay particle spectra, Ep, Ip, En, In, pn-coin, pp-coin, nn-coin, pion spectra; deduced hypernucleus nucleon decay width. Non-mesonic weak decay. JOUR NUPAB 835 434c
	2010MA72	NUCLEAR REACTIONS ^{12}C(π^+, K$^+$), (π^+, K$^+$p), E at 1.05 GeV / c; measured hypernuclei Eγ, Iγ; deduced levels, J, π, γ-multipolarity, Λ binding energy. JOUR NUPAB 835 422c
	2011KHZW	NUCLEAR REACTIONS ^{14}N, ^{16}O(n, α), E=1.7-7 MeV;^{20}Ne(n, α), E=4-7 MeV; ^{36,40}Ar(n, α), E=1.5-7 MeV; measured Eα, Iα using digital spectrometer; deduced σ to low-lying states. Comparison with other data, O and N reactions also to ENDF / B-VII. CONF Dubna(ISINN-18),P153,Khryachkov
^{11}C	2010KI15	RADIOACTIVITY ^{12}C(p), (n); measured hypernucleus decay particle spectra, Ep, Ip, En, In, pn-coin, pp-coin, nn-coin, pion spectra; deduced hypernucleus nucleon decay width. Non-mesonic weak decay. JOUR NUPAB 835 434c
	2011YAZZ	NUCLEAR REACTIONS ^{4}He(^{7}Be, γ), E=14.7 MeV; measured Eγ, Iγ. REPT CNS-REP-86,P1,Yamaguchi

A=12

^{12}C	2010KA38	NUCLEAR REACTIONS ^{2}H, ^{12}C(γ, $\pi^+\pi^-$), E=0.8-1.1 GeV; measured pion spectra; deduced K^0 photoproduction. JOUR NUPAB 835 317c

A=12 *(continued)*

2010KI15 RADIOACTIVITY ^{12}C(p), (n); measured hypernucleus decay particle spectra, Ep, Ip, En, In, pn-coin, pp-coin, nn-coin, pion spectra; deduced hypernucleus nucleon decay width. Non-mesonic weak decay. JOUR NUPAB 835 434c

2010MA72 NUCLEAR REACTIONS ^{12}C(π^+, K$^+$), (π^+, K$^+$p), E at 1.05 GeV / c; measured hypernuclei Eγ, Iγ; deduced levels, J, π, γ-multipolarity, Λ binding energy. JOUR NUPAB 835 422c

2011AB05 NUCLEAR REACTIONS ^{12}C(p, p), E<2.7-7 MeV; measured reaction products, Ep, Ip; deduced $\sigma(\theta)$. IBANDL library, comparison with theoretical calculations. JOUR NIMBE 269 2011

2011BA25 NUCLEAR REACTIONS ^{12}C(^{8}B, ^{8}B), E=25.8 MeV; ^{12}C(^{7}Be, ^{7}Be), E=18.8 MeV; ^{12}C(^{6}Li, ^{6}Li), E=12.3 MeV; measured particle spectra, tof, $\sigma(\theta)$. Optical model analysis of $\sigma(\theta)$ data using Woods-Saxon and double-folding type potentials. ^{12}C(^{8}B, ^{8}B); deduced effect of breakup by coupled-channels calculations using continuum discretized coupled-channel method and cluster-model folding potentials. Experimental data for ^{12}C(α, α), (^{6}He, ^{6}He), (^{7}Li, ^{7}Li), (^{9}Be, ^{9}Be), (^{11}B, ^{11}B), (^{16}O, ^{16}O), E(cm)=2.8-22.8 MeV used to extract reduced reaction σ. JOUR PRVCA 84 014603

2011DU19 NUCLEAR REACTIONS ^{6}Li, ^{12}C, ^{19}F, ^{27}Al(p, γ), (p, p), E=590-1150 keV; measured reaction products, proton spectra; deduced $\sigma(\theta)$, S-factors. Optical model calculations, comparison with experimental data. JOUR PANUE 74 984

2011GI03 NUCLEAR REACTIONS ^{9}Be(^{9}Be, X)^{15}N / ^{16}N / ^{12}C / ^{13}C / ^{15}C / ^{16}C, E=30, 35, 40 MeV;^{12}C(^{18}O, X)^{27}Mg / ^{28}Mg, E=50, 60 MeV; ^{11}B, ^{12}C(^{18}O, X)^{26}Mg / ^{27}Mg / ^{25}Mg / ^{24}Na, E not given; measured reaction products, Eγ, Iγ; deduced production yields. Comparison with PACE, LisFus and GEMINI calculations. JOUR NIMAE 648 109

2011GI05 NUCLEAR REACTIONS ^{9}Be(α, nγ), E=0.3-7.9 MeV; measured reaction products; deduced σ, reaction rate, analytical representation parameters. JOUR BRSPE 75 931

2011GR11 NUCLEAR REACTIONS ^{12}C(^{16}O, ^{16}O), (^{16}O, ^{12}C), E=28 MeV; measured reaction products; deduced $\sigma(\theta)$. α-cluster transfer, DWBA model, DWUCK5 program. JOUR BRSPE 75 961

2011WA15 NUCLEAR REACTIONS ^{12}C(^{112}Sn, ^{112}Sn'), (^{114}Sn, ^{114}Sn'), (^{116}Sn, ^{116}Sn'), E=4 MeV / nucleon; ^{12}C(^{122}Sn, ^{122}Sn'), (^{124}Sn, ^{124}Sn'), E=3.8 MeV / nucleon; measured Eγ, Iγ, (^{12}C)γ-coin, (^{12}C)$\gamma\gamma(\theta)$, precession angles. ^{112,114,116,122,124}Sn; deduced g-factors, configurations. Comparison with RQRPA, QRPA, and shell-model calculations. ^{12}C(^{124}Sn, X)^{130}Xe / ^{126}Te / ^{128}Te, E=3.8 MeV / nucleon; measured Eγ, Iγ. JOUR PRVCA 84 014319

2011ZHZY NUCLEAR REACTIONS ^{12}C(^{17}F, ^{17}F), E=60 MeV; measured E(particle), I(particle, θ); deduced $\sigma(\theta)$. REPT CNS-REP-86,P21,Zhang

A=13

^{13}C	2010AG13	NUCLEAR REACTIONS ^{2}H, ^{7}Li, ^{9}Be, ^{13}C(K^-, π^-), E at rest; measured Λ hypernucleus binding energy, formation probability. JOUR NUPAB 835 414c
	2010KAZO	NUCLEAR REACTIONS ^{11}B, ^{13}C(α, α'), E=388 MeV; measured Eα, I$\alpha(\theta)$; deduced $\sigma(\theta)$; calculated $\sigma(\theta)$ using DWBA with α-cluster structure. CONF Tsukuba(Nuclear Physics Trends) Proc.P207,Kawabata
	2010ZIZZ	NUCLEAR REACTIONS ^{2}H(^{12}C, p), E(cm)=2, 3, 4, 5 MeV; measured Ep, Ip; deduced σ. ^{12}C(^{12}C, p), E(cm)=2-8 MeV; measured reaction products; deduced C yields and the influence of deuterium impurity on yields. CONF Heidelberg (NIC XI) Proc,P19,Zickefoose
	2011GI03	NUCLEAR REACTIONS ^{9}Be(^{9}Be, X)^{15}N / ^{16}N / ^{12}C / ^{13}C / ^{15}C / ^{16}C, E=30, 35, 40 MeV;^{12}C(^{18}O, X)^{27}Mg / ^{28}Mg, E=50, 60 MeV; ^{11}B, ^{12}C(^{18}O, X)^{26}Mg / ^{27}Mg / ^{25}Mg / ^{24}Na, E not given; measured reaction products, Eγ, Iγ; deduced production yields. Comparison with PACE, LisFus and GEMINI calculations. JOUR NIMAE 648 109
	2011KHZW	NUCLEAR REACTIONS ^{14}N, ^{16}O(n, α), E=1.7-7 MeV;^{20}Ne(n, α), E=4-7 MeV; ^{36,40}Ar(n, α), E=1.5-7 MeV; measured Eα, Iα using digital spectrometer; deduced σ to low-lying states. Comparison with other data, O and N reactions also to ENDF / B-VII. CONF Dubna(ISINN-18),P153,Khryachkov
^{13}N	2011BA27	NUCLEAR REACTIONS ^{12}C(^{23}Al, ^{22}Mg), [^{23}Al secondary beam from C(^{32}S, X)E=95 MeV / nucleon primary reaction], E=57 MeV / nucleon; measured fragment spectra, inclusive and exclusive longitudinal momentum distributions, and widths, Eγ, (fragment)γ-coin. ^{22}Mg; deduced levels, J, π, σ, spectroscopic factors, asymptotic normalization coefficients. ^{23}Al; deduced g.s. Jπ, configuration mixing. Comparison with Glauber and large-scale shell model calculations. ^{22}Mg(p, γ)^{23}Al, E<1 MeV; deduced stellar reaction rates; discussed astrophysical significance of ^{22}Na nucleosynthesis in ONe novae. JOUR PRVCA 84 015803
	2011DU19	NUCLEAR REACTIONS ^{6}Li, ^{12}C, ^{19}F, ^{27}Al(p, γ), (p, p), E=590-1150 keV; measured reaction products, proton spectra; deduced $\sigma(\theta)$, S-factors. Optical model calculations, comparison with experimental data. JOUR PANUE 74 984
^{13}O	2010LIZW	NUCLEAR REACTIONS ^{2}H(^{8}Li, ^{9}Li), E(cm)=7.8 MeV; ^{2}H(^{8}Li, ^{9}Be), E(cm)=8.0 MeV; ^{1}H(^{8}Li, ^{7}Li), E(cm)=4.0 MeV; measured E(particle), I(particle, θ); deduced single-particle spectroscopic factors using DWBA, S-factors, ^{6}Li(n, γ), E=0.01-0.10 MeV σ. ^{1}H(^{17}F, ^{18}Ne), E(cm)=0.3-1.6 MeV; measured E(particle), I(particle, θ); calculated σ using R matrix; deduced $\sigma(\theta)$, proton widths of ^{18}Ne levels. ^{1}H(^{12}N, γ), E(cm)=9.4 MeV; deduced ^{13}O to ^{12}N+p single particle spectroscopic factor, S factor. CONF Tsukuba(Nuclear Physics Trends) Proc.P322,Liu

A=14

No references found

A=15

^{15}C	2011GI03	NUCLEAR REACTIONS ^{9}Be(^{9}Be, X)^{15}N / ^{16}N / ^{12}C / ^{13}C / ^{15}C / ^{16}C, E=30, 35, 40 MeV;^{12}C(^{18}O, X)^{27}Mg / ^{28}Mg, E=50, 60 MeV; ^{11}B, ^{12}C(^{18}O, X)^{26}Mg / ^{27}Mg / ^{25}Mg / ^{24}Na, E not given; measured reaction products, Eγ, Iγ; deduced production yields. Comparison with PACE, LisFus and GEMINI calculations. JOUR NIMAE 648 109
^{15}N	2011GI03	NUCLEAR REACTIONS ^{9}Be(^{9}Be, X)^{15}N / ^{16}N / ^{12}C / ^{13}C / ^{15}C / ^{16}C, E=30, 35, 40 MeV;^{12}C(^{18}O, X)^{27}Mg / ^{28}Mg, E=50, 60 MeV; ^{11}B, ^{12}C(^{18}O, X)^{26}Mg / ^{27}Mg / ^{25}Mg / ^{24}Na, E not given; measured reaction products, Eγ, Iγ; deduced production yields. Comparison with PACE, LisFus and GEMINI calculations. JOUR NIMAE 648 109

A=16

^{16}C	2011GI03	NUCLEAR REACTIONS ^{9}Be(^{9}Be, X)^{15}N / ^{16}N / ^{12}C / ^{13}C / ^{15}C / ^{16}C, E=30, 35, 40 MeV;^{12}C(^{18}O, X)^{27}Mg / ^{28}Mg, E=50, 60 MeV; ^{11}B, ^{12}C(^{18}O, X)^{26}Mg / ^{27}Mg / ^{25}Mg / ^{24}Na, E not given; measured reaction products, Eγ, Iγ; deduced production yields. Comparison with PACE, LisFus and GEMINI calculations. JOUR NIMAE 648 109
^{16}N	2011GI03	NUCLEAR REACTIONS ^{9}Be(^{9}Be, X)^{15}N / ^{16}N / ^{12}C / ^{13}C / ^{15}C / ^{16}C, E=30, 35, 40 MeV;^{12}C(^{18}O, X)^{27}Mg / ^{28}Mg, E=50, 60 MeV; ^{11}B, ^{12}C(^{18}O, X)^{26}Mg / ^{27}Mg / ^{25}Mg / ^{24}Na, E not given; measured reaction products, Eγ, Iγ; deduced production yields. Comparison with PACE, LisFus and GEMINI calculations. JOUR NIMAE 648 109
	2011KO29	NUCLEAR REACTIONS ^{19}F(n, xp), (n, d), (n, xα), (n, t), (n, p), (n, α), E=14.2 MeV; measured reaction products, Ep, Ip, α-spectra; deduced $\sigma(\theta$, E). Comparison with JENDL-3.3 and ENDF / B-VII.0 evaluated nuclear reaction libraries. JOUR JNSTA 48 1146
^{16}O	2010CAZL	NUCLEAR REACTIONS ^{15}N(p, γ), E=400 keV; measured Eγ, Iγ; deduced σ, yields, S-factor. Results still under evaluation and not reported. CONF Heidelberg (NIC XI) Proc,P117,Caciolli
	2010CAZM	NUCLEAR REACTIONS ^{15}N(p, γ), E(cm)=80-230 keV; measured Eγ, Iγ; deduced S-factor; calculated R-matrix fit. Comparison with other data. LUNA experiment. CONF Frascati(Nuclear Physics in Astrophysics IV 2009), P012036
	2010OUZZ	NUCLEAR REACTIONS ^{12}C(^{7}Li, t), E=28, 34 MeV; measured E(particle), I(particle, θ); deduced $\sigma(\theta)$ to individual states, S-factor; calculated $\sigma(\theta)$ to individual states using finite-range DWBA FRESCO code. ^{12}C(α, γ), E(cm)=0.5-3.5 MeV; deduced E1, E2 S-factor; calculated S-factor using R-matrix. CONF Heidelberg (NIC XI) Proc,P129,Oulebsir
	2011GR11	NUCLEAR REACTIONS ^{12}C(^{16}O, ^{16}O), (^{16}O, ^{12}C), E=28 MeV; measured reaction products; deduced $\sigma(\theta)$. α-cluster transfer, DWBA model, DWUCK5 program. JOUR BRSPE 75 961
	2011LA13	NUCLEAR REACTIONS ^{2}H(^{19}F, nα), E=50 MeV; ^{19}F(^{3}He, αd), E=18.2 MeV; measured reaction products, ^{16}O recoils; deduced σ(E, θ), S-factors, reaction rates. Comparison with previous results. JOUR ASJOA 739 L54

A=16 *(continued)*

	2011SC23	NUCLEAR REACTIONS ^{4}He(^{12}C, γ), E=3.3-4.5 MeV; measured reaction products, Eγ, Iγ; deduced S-factors. R-matrix analysis. JOUR PYLBB 703 557
	2011WH01	NUCLEAR REACTIONS ^{12}C(^{6}Li, d)^{16}O, E=42 MeV; measured deuteron and α spectra, (^{4}He+^{12}C)d-coin. ^{16}O; deduced levels, α decay widths. Cluster structures in ^{16}O. JOUR PRVCA 83 064324
^{16}F	2011WA17	NUCLEAR REACTIONS ^{16}O(polarized p, n)^{16}F, E=296 MeV; measured E(n), I(n), polarized neutrons, TOF, cross section spectrum, analyzing powers, polarized σ. Comparison with DWIA calculations. ^{16}F; deduced levels, J, π, Gamow-Teller and spin-dipole states. JOUR PRVCA 84 014614

A=17

^{17}O	2011KHZW	NUCLEAR REACTIONS ^{14}N, ^{16}O(n, α), E=1.7-7 MeV;^{20}Ne(n, α), E=4-7 MeV; ^{36,40}Ar(n, α), E=1.5-7 MeV; measured Eα, Iα using digital spectrometer; deduced σ to low-lying states. Comparison with other data, O and N reactions also to ENDF / B-VII. CONF Dubna(ISINN-18),P153,Khryachkov
	2011KO29	NUCLEAR REACTIONS ^{19}F(n, xp), (n, d), (n, xα), (n, t), (n, p), (n, α), E=14.2 MeV; measured reaction products, Ep, Ip, α-spectra; deduced $\sigma(\theta$, E). Comparison with JENDL-3.3 and ENDF / B-VII.0 evaluated nuclear reaction libraries. JOUR JNSTA 48 1146

A=18

^{18}O	2011KO29	NUCLEAR REACTIONS ^{19}F(n, xp), (n, d), (n, xα), (n, t), (n, p), (n, α), E=14.2 MeV; measured reaction products, Ep, Ip, α-spectra; deduced $\sigma(\theta$, E). Comparison with JENDL-3.3 and ENDF / B-VII.0 evaluated nuclear reaction libraries. JOUR JNSTA 48 1146
	2011TO07	RADIOACTIVITY ^{22}Ne(α) [from ^{14}C(^{12}C, α), E=44 MeV]; measured decay products, Eα, Iα. ^{22}Ne; deduced excited states in ^{22}Ne, energies, J, π, angular correlations for α-decay, α-clusters. Comparison with shell model. JOUR JTPLA 94 6
^{18}Ne	2010ALZZ	NUCLEAR REACTIONS ^{16}O(^{3}He, n), E=15 MeV; measured E(particle), I(particle, θ), En, In(θ), (particle)n-coin. ^{18}Ne deduced states, resonances. CONF Heidelberg (NIC XI) Proc,P215,Almaraz-Calderon

A=19

^{19}C	2011YA13	NUCLEAR REACTIONS ^{1}H(^{9}Be, X), (^{18}C, X), (^{19}C, X), (^{20}C, X), E=40 MeV / nucleon; measured reaction products on thick target using superconducting TOF spectrometer. ^{19}C deduced neutron halo. ^{19,20}C deduced density distribution, fragmentation σ, charge-pickup σ, neutron removal σ, total σ; calculated ^{19,20}C density distribution using finite-range optical limit, Glauber model. JOUR NUPAB 864 1
^{19}O	2011KO29	NUCLEAR REACTIONS ^{19}F(n, xp), (n, d), (n, xα), (n, t), (n, p), (n, α), E=14.2 MeV; measured reaction products, Ep, Ip, α-spectra; deduced $\sigma(\theta$, E). Comparison with JENDL-3.3 and ENDF / B-VII.0 evaluated nuclear reaction libraries. JOUR JNSTA 48 1146
^{19}F	2011DU19	NUCLEAR REACTIONS ^{6}Li, ^{12}C, ^{19}F, ^{27}Al(p, γ), (p, p), E=590-1150 keV; measured reaction products, proton spectra; deduced $\sigma(\theta)$, S-factors. Optical model calculations, comparison with experimental data. JOUR PANUE 74 984
^{19}Na	2010SIZW	RADIOACTIVITY ^{20}Mg, ^{23}Al, ^{31}Cl(p)[from ^{1}H(^{24}Mg, γ), E=48 M eV / nucleon; ^{1}H(^{32}S, γ), E=40 MeV / nucleon; ^{3}He(^{20}Ne, 3n), E=25 MeV / nucleon on thick target]; measured β-delayed Ep, Ip. CONF Sinaia (Exotic Nucei and Nuc.Part.Astroph.III)Proc.P415,Simmons

A=20

^{20}C	2011PE21	NUCLEAR REACTIONS ^{9}Be, ^{184}W(^{22}O, X)^{20}C, E=101 MeV / nucleon; measured reaction products, Eγ, Iγ; deduced lifetime, B(E2). Comparison with systematics, shell model calculations. JOUR PRLTA 107 102501
	2011YA13	NUCLEAR REACTIONS ^{1}H(^{9}Be, X), (^{18}C, X), (^{19}C, X), (^{20}C, X), E=40 MeV / nucleon; measured reaction products on thick target using superconducting TOF spectrometer. ^{19}C deduced neutron halo. ^{19,20}C deduced density distribution, fragmentation σ, charge-pickup σ, neutron removal σ, total σ; calculated ^{19,20}C density distribution using finite-range optical limit, Glauber model. JOUR NUPAB 864 1
^{20}Ne	2010BEZK	NUCLEAR REACTIONS ^{17}O(α, n), E=800-2300 keV; measured En, In, Eγ, Iγ; deduced yield, reaction rate; calculated yield using R-matrix AZURE code. CONF Heidelberg (NIC XI) Proc,P183,Best
	2011DU19	NUCLEAR REACTIONS ^{6}Li, ^{12}C, ^{19}F, ^{27}Al(p, γ), (p, p), E=590-1150 keV; measured reaction products, proton spectra; deduced $\sigma(\theta)$, S-factors. Optical model calculations, comparison with experimental data. JOUR PANUE 74 984
	2011KI14	RADIOACTIVITY ^{8}B(β^{+})[from ^{6}Li(^{3}He, n), E=7.0 MeV]; measured β spectra, β-delayed α spectra, Eα, $\alpha\alpha$-coin. ^{8}Be; deduced excitation distribution. Discussed implication of ^{8}B neutrino spectrum. ^{20}Na(β^{+}); measured β-delayed α spectrum and used for calibration. Monte-Carlo simulations of β decay of ^{8}B. R-matrix parameterization. JOUR PRVCA 83 065802
^{20}Na	2010WRZZ	NUCLEAR REACTIONS ^{20}Ne, ^{24}Mg, ^{28}Si, ^{32}S, ^{36}Ar(^{3}He, t), E=32 MeV; measured E(particle), I(particle, θ); deduced reaction rates of ^{35}Ar(p, γ). Compared to those by Iliadis et al. CONF Heidelberg (NIC XI) Proc,P55,Wrede

A=20 *(continued)*

	2011KI14	RADIOACTIVITY ^{8}B(β^+)[from ^{6}Li(^{3}He, n), E=7.0 MeV]; measured β spectra, β-delayed α spectra, Eα, $\alpha\alpha$-coin. ^{8}Be; deduced excitation distribution. Discussed implication of ^{8}B neutrino spectrum. ^{20}Na(β^+); measured β-delayed α spectrum and used for calibration. Monte-Carlo simulations of β decay of ^{8}B. R-matrix parameterization. JOUR PRVCA 83 065802
^{20}Mg	2010SIZW	RADIOACTIVITY ^{20}Mg, ^{23}Al, ^{31}Cl(p)[from ^{1}H(^{24}Mg, γ), E=48 M eV / nucleon; ^{1}H(^{32}S, γ), E=40 MeV / nucleon; ^{3}He(^{20}Ne, 3n), E=25 MeV / nucleon on thick target]; measured β-delayed Ep, Ip. CONF Sinaia (Exotic Nucei and Nuc.Part.Astroph.III)Proc.P415,Simmons

A=21

^{21}O	2011FE06	NUCLEAR REACTIONS ^{2}H(^{20}O, p), E=10.5 MeV / nucleon; measured E(p), I(p), Eγ, Iγ, $\sigma(\theta)$, p^{20}O-, p^{20}Oγ-coin. ^{21}O; deduced levels, J, π, L-transfer, spectroscopic factors, configurations. Adiabatic distorted-wave approximation analysis of $\sigma(\theta)$ data. Comparison with shell-model calculations. JOUR PRVCA 84 011301
^{21}Ne	2010TAZU	NUCLEAR REACTIONS ^{4}He(^{17}O, γ), E(cm)=0.621-1.597 MeV; measured E(particle), I(particle), Eγ, Iγ using DRAGON recoil separator at TRIUMF; deduced (α, γ) yields, new resonance in ^{17}O+α system. CONF Heidelberg (NIC XI) Proc,P45,Taggart

A=22

^{22}Ne	2011TO07	RADIOACTIVITY ^{22}Ne(α) [from ^{14}C(^{12}C, α), E=44 MeV]; measured decay products, Eα, Iα. ^{22}Ne; deduced excited states in ^{22}Ne, energies, J, π, angular correlations for α-decay, α-clusters. Comparison with shell model. JOUR JTPLA 94 6
^{22}Na	2010SAZK	RADIOACTIVITY ^{23}Al(β^+), (EC)[from ^{1}H(^{24}Mg, ^{23}Al), E=48 MeV / nucleon]; ^{23}Mg(p)[from ^{23}Al]; measured β-delayed Ep, Ip; evaluated 7786 keV resonance strength in ^{22}Na(p, γ) taking place in ONe novae. CONF Sinaia (Exotic Nucei and Nuc.Part.Astroph.III)Proc.P411,Saastamoi
	2010SAZN	RADIOACTIVITY ^{23}Mg(p)[from ^{23}Al(β^+)[from ^{1}H(^{24}Mg, ^{23}Al), E=48 MeV / nucleon]]; measured Eβ, Iβ, β-delayed Ep, Ip; deduced E, J, π for state corresponding to the lowest-energy proton group, resonance strength. CONF Heidelberg (NIC XI) Proc,P211,Saastamoinen
	2011DI09	NUCLEAR REACTIONS Ti(d, X)^{48}V, ^{27}Al(d, X)^{22}Na / ^{24}Na, ^{55}Mn(d, p), ^{55}Mn(d, X)^{54}Mn / ^{52}Mn / ^{51}Cr, E<40 MeV; measured reaction products, Eγ, Iγ; deduced production σ, thick target yields. Comparison with ALICE-IPPE and EMPIRE-II calculations. JOUR NIMBE 269 1878
^{22}Mg	2010SIZW	RADIOACTIVITY ^{20}Mg, ^{23}Al, ^{31}Cl(p)[from ^{1}H(^{24}Mg, γ), E=48 M eV / nucleon; ^{1}H(^{32}S, γ), E=40 MeV / nucleon; ^{3}He(^{20}Ne, 3n), E=25 MeV / nucleon on thick target]; measured β-delayed Ep, Ip. CONF Sinaia (Exotic Nucei and Nuc.Part.Astroph.III)Proc.P415,Simmons

A=22 *(continued)*

	2011BA27	NUCLEAR REACTIONS ^{12}C(^{23}Al, ^{22}Mg), [^{23}Al secondary beam from C(^{32}S, X)E=95 MeV / nucleon primary reaction], E=57 MeV / nucleon; measured fragment spectra, inclusive and exclusive longitudinal momentum distributions, and widths, Eγ, (fragment)γ-coin. ^{22}Mg; deduced levels, J, π, σ, spectroscopic factors, asymptotic normalization coefficients. ^{23}Al; deduced g.s. Jπ, configuration mixing. Comparison with Glauber and large-scale shell model calculations. ^{22}Mg(p, γ)^{23}Al, E<1 MeV; deduced stellar reaction rates; discussed astrophysical significance of ^{22}Na nucleosynthesis in ONe novae. JOUR PRVCA 84 015803

A=23

^{23}Na	2010ZIZZ	NUCLEAR REACTIONS ^{2}H(^{12}C, p), E(cm)=2, 3, 4, 5 MeV; measured Ep, Ip; deduced σ. ^{12}C(^{12}C, p), E(cm)=2-8 MeV; measured reaction products; deduced C yields and the influence of deuterium impurity on yields. CONF Heidelberg (NIC XI) Proc,P19,Zickefoose
^{23}Mg	2010SAZK	RADIOACTIVITY ^{23}Al(β^+), (EC)[from ^{1}H(^{24}Mg, ^{23}Al), E=48 MeV / nucleon]; ^{23}Mg(p)[from ^{23}Al]; measured β-delayed Ep, Ip; evaluated 7786 keV resonance strength in ^{22}Na(p, γ) taking place in ONe novae. CONF Sinaia (Exotic Nucei and Nuc.Part.Astroph.III)Proc.P411,Saastamoi
	2010SAZN	RADIOACTIVITY ^{23}Mg(p)[from ^{23}Al(β^+)[from ^{1}H(^{24}Mg, ^{23}Al), E=48 MeV / nucleon]]; measured Eβ, Iβ, β-delayed Ep, Ip; deduced E, J, π for state corresponding to the lowest-energy proton group, resonance strength. CONF Heidelberg (NIC XI) Proc,P211,Saastamoinen
	2010SAZO	NUCLEAR REACTIONS ^{22}Na(p, γ), E=198, 213, 232, 288, 454, 610 keV; measured Eγ, Iγ; deduced yields, reaction rates, resonance strength. CONF Heidelberg (NIC XI) Proc,P51,Sallaska
^{23}Al	2010SAZK	RADIOACTIVITY ^{23}Al(β^+), (EC)[from ^{1}H(^{24}Mg, ^{23}Al), E=48 MeV / nucleon]; ^{23}Mg(p)[from ^{23}Al]; measured β-delayed Ep, Ip; evaluated 7786 keV resonance strength in ^{22}Na(p, γ) taking place in ONe novae. CONF Sinaia (Exotic Nucei and Nuc.Part.Astroph.III)Proc.P411,Saastamoi
	2010SIZW	RADIOACTIVITY ^{20}Mg, ^{23}Al, ^{31}Cl(p)[from ^{1}H(^{24}Mg, γ), E=48 M eV / nucleon; ^{1}H(^{32}S, γ), E=40 MeV / nucleon; ^{3}He(^{20}Ne, 3n), E=25 MeV / nucleon on thick target]; measured β-delayed Ep, Ip. CONF Sinaia (Exotic Nucei and Nuc.Part.Astroph.III)Proc.P415,Simmons
	2011BA27	NUCLEAR REACTIONS ^{12}C(^{23}Al, ^{22}Mg), [^{23}Al secondary beam from C(^{32}S, X)E=95 MeV / nucleon primary reaction], E=57 MeV / nucleon; measured fragment spectra, inclusive and exclusive longitudinal momentum distributions, and widths, Eγ, (fragment)γ-coin. ^{22}Mg; deduced levels, J, π, σ, spectroscopic factors, asymptotic normalization coefficients. ^{23}Al; deduced g.s. Jπ, configuration mixing. Comparison with Glauber and large-scale shell model calculations. ^{22}Mg(p, γ)^{23}Al, E<1 MeV; deduced stellar reaction rates; discussed astrophysical significance of ^{22}Na nucleosynthesis in ONe novae. JOUR PRVCA 84 015803

A=24

^{24}Na	2011DI09	NUCLEAR REACTIONS Ti(d, X)^{48}V, ^{27}Al(d, X)^{22}Na / ^{24}Na, ^{55}Mn(d, p), ^{55}Mn(d, X)^{54}Mn / ^{52}Mn / ^{51}Cr, E<40 MeV; measured reaction products, Eγ, Iγ; deduced production σ, thick target yields. Comparison with ALICE-IPPE and EMPIRE-II calculations. JOUR NIMBE 269 1878
	2011GI03	NUCLEAR REACTIONS ^{9}Be(^{9}Be, X)^{15}N / ^{16}N / ^{12}C / ^{13}C / ^{15}C / ^{16}C, E=30, 35, 40 MeV;^{12}C(^{18}O, X)^{27}Mg / ^{28}Mg, E=50, 60 MeV; ^{11}B, ^{12}C(^{18}O, X)^{26}Mg / ^{27}Mg / ^{25}Mg / ^{24}Na, E not given; measured reaction products, Eγ, Iγ; deduced production yields. Comparison with PACE, LisFus and GEMINI calculations. JOUR NIMAE 648 109
^{24}Mg	2011KAZU	NUCLEAR REACTIONS ^{24}Mg(α, α'), E=400 MeV; measured Eα, I$\alpha(\theta)$; deduced $\sigma(\theta)$ to individual states, strength distribution (EWSR); calculated $\sigma(\theta)$ using DWBA. CONF Okinawa(New Faces of Atomic Nuclei) Proc.P194,Kawabata
	2011ZH22	NUCLEAR REACTIONS ^{28,29,30}Si(n, xγ), (n, n'γ), (n, 2nγ), (n, npγ), (n, dγ), (n, pγ), (n, $\alpha\gamma$), (n, n$\alpha\gamma$), E=14.9 MeV; measured reaction products, Eγ, Iγ; deduced energies, M1 and E2 transition types. Comparison with GNASH nuclear reaction code calculations. JOUR NIMAE 648 192
^{24}Al	2010ICZX	RADIOACTIVITY ^{24}Si(β^+)[from ^{28}Si fragmentation on Ni target at 100 MeV / nucleon]; measured β-delayed Eγ, Iγ(t). ^{24}Al deduced isomeric transition, $T_{1/2}$, levels, J, π, branching ratio, B(GT); calculated B(GT). CONF Kobe(Tours Nuc.Phys.and Astroph.VII) Proc.P290,Ichikawa
	2010ICZY	RADIOACTIVITY ^{24}Si(β^+), (EC)[from ^{28}Si fragmentation on ^{9}Be]; measured β-delayed proton, β-delayed γ; deduced decay scheme, log ft, B(GT). CONF Tsukuba(Nuclear Physics Trends) Proc.P265,Ichikawa
	2010WRZZ	NUCLEAR REACTIONS ^{20}Ne, ^{24}Mg, ^{28}Si, ^{32}S, ^{36}Ar(^{3}He, t), E=32 MeV; measured E(particle), I(particle, θ); deduced reaction rates of ^{35}Ar(p, γ). Compared to those by Iliadis et al. CONF Heidelberg (NIC XI) Proc,P55,Wrede
^{24}Si	2010ICZX	RADIOACTIVITY ^{24}Si(β^+)[from ^{28}Si fragmentation on Ni target at 100 MeV / nucleon]; measured β-delayed Eγ, Iγ(t). ^{24}Al deduced isomeric transition, $T_{1/2}$, levels, J, π, branching ratio, B(GT); calculated B(GT). CONF Kobe(Tours Nuc.Phys.and Astroph.VII) Proc.P290,Ichikawa
	2010ICZY	RADIOACTIVITY ^{24}Si(β^+), (EC)[from ^{28}Si fragmentation on ^{9}Be]; measured β-delayed proton, β-delayed γ; deduced decay scheme, log ft, B(GT). CONF Tsukuba(Nuclear Physics Trends) Proc.P265,Ichikawa
	2011FO08	RADIOACTIVITY ^{25}P(p), ^{26}S(2p) [from Be(^{32}S, X)^{26}S / ^{25}P, E=50.3 MeV / nucleon]; measured reaction products, TOF, Ep, Ip; deduced yields, $T_{1/2}$ limits. Comparison with other data. JOUR IMPEE 20 1491
^{24}S	2011FO08	RADIOACTIVITY ^{25}P(p), ^{26}S(2p) [from Be(^{32}S, X)^{26}S / ^{25}P, E=50.3 MeV / nucleon]; measured reaction products, TOF, Ep, Ip; deduced yields, $T_{1/2}$ limits. Comparison with other data. JOUR IMPEE 20 1491

A=25

^{25}Mg	2010MAZG	NUCLEAR REACTIONS ^{24,25,26}Mg(n, γ), E=1 eV-1 MeV; measured Eγ, Iγ using PHWT (Pulse Height Weighting Technique); deduced yields, resonance shape at 20 keV. n_TOF at CERN. CONF Heidelberg (NIC XI) Proc,P194,Massimi
	2011GI03	NUCLEAR REACTIONS ^{9}Be(^{9}Be, X)^{15}N / ^{16}N / ^{12}C / ^{13}C / ^{15}C / ^{16}C, E=30, 35, 40 MeV;^{12}C(^{18}O, X)^{27}Mg / ^{28}Mg, E=50, 60 MeV; ^{11}B, ^{12}C(^{18}O, X)^{26}Mg / ^{27}Mg / ^{25}Mg / ^{24}Na, E not given; measured reaction products, Eγ, Iγ; deduced production yields. Comparison with PACE, LisFus and GEMINI calculations. JOUR NIMAE 648 109
	2011ZH22	NUCLEAR REACTIONS ^{28,29,30}Si(n, xγ), (n, n'γ), (n, 2nγ), (n, npγ), (n, dγ), (n, pγ), (n, $\alpha\gamma$), (n, n$\alpha\gamma$), E=14.9 MeV; measured reaction products, Eγ, Iγ; deduced energies, M1 and E2 transition types. Comparison with GNASH nuclear reaction code calculations. JOUR NIMAE 648 192
^{25}P	2011FO08	RADIOACTIVITY ^{25}P(p), ^{26}S(2p) [from Be(^{32}S, X)^{26}S / ^{25}P, E=50.3 MeV / nucleon]; measured reaction products, TOF, Ep, Ip; deduced yields, $T_{1/2}$ limits. Comparison with other data. JOUR IMPEE 20 1491

A=26

^{26}Mg	2010MAZG	NUCLEAR REACTIONS ^{24,25,26}Mg(n, γ), E=1 eV-1 MeV; measured Eγ, Iγ using PHWT (Pulse Height Weighting Technique); deduced yields, resonance shape at 20 keV. n_TOF at CERN. CONF Heidelberg (NIC XI) Proc,P194,Massimi
	2011GI03	NUCLEAR REACTIONS ^{9}Be(^{9}Be, X)^{15}N / ^{16}N / ^{12}C / ^{13}C / ^{15}C / ^{16}C, E=30, 35, 40 MeV;^{12}C(^{18}O, X)^{27}Mg / ^{28}Mg, E=50, 60 MeV; ^{11}B, ^{12}C(^{18}O, X)^{26}Mg / ^{27}Mg / ^{25}Mg / ^{24}Na, E not given; measured reaction products, Eγ, Iγ; deduced production yields. Comparison with PACE, LisFus and GEMINI calculations. JOUR NIMAE 648 109
	2011ZH22	NUCLEAR REACTIONS ^{28,29,30}Si(n, xγ), (n, n'γ), (n, 2nγ), (n, npγ), (n, dγ), (n, pγ), (n, $\alpha\gamma$), (n, n$\alpha\gamma$), E=14.9 MeV; measured reaction products, Eγ, Iγ; deduced energies, M1 and E2 transition types. Comparison with GNASH nuclear reaction code calculations. JOUR NIMAE 648 192
^{26}Si	2010CHZU	NUCLEAR REACTIONS ^{28}Si(p, t), E=40 MeV; measured Ep, Ip(θ), pp-coin using Oak Ridge ORRUBA detectors, E(triton), I(triton, θ) using SIDAR detector at HRIBF, P(triton)-coin; deduced dσ(E), resonances, ^{26}P p-decay branching ratios; calculated proton angular correlations using FRESCO. CONF Heidelberg (NIC XI) Proc,P205,Chipps
	2010DEZU	NUCLEAR REACTIONS ^{24}Mg(^{3}He, n), E=7.9 MeV; measured En, In using EDEN neutron array, Eγ, Iγ, nγ-coin. ^{26}Si deduced resonances. CONF Heidelberg (NIC XI) Proc,P212,de Sereville
^{26}S	2011FO08	RADIOACTIVITY ^{25}P(p), ^{26}S(2p) [from Be(^{32}S, X)^{26}S / ^{25}P, E=50.3 MeV / nucleon]; measured reaction products, TOF, Ep, Ip; deduced yields, $T_{1/2}$ limits. Comparison with other data. JOUR IMPEE 20 1491

A=27

^{27}Mg	2010MAZG	NUCLEAR REACTIONS ^{24,25,26}Mg(n, γ), E=1 eV-1 MeV; measured Eγ, Iγ using PHWT (Pulse Height Weighting Technique); deduced yields, resonance shape at 20 keV. n_TOF at CERN. CONF Heidelberg (NIC XI) Proc,P194,Massimi
	2011GI03	NUCLEAR REACTIONS ^{9}Be(^{9}Be, X)^{15}N / ^{16}N / ^{12}C / ^{13}C / ^{15}C / ^{16}C, E=30, 35, 40 MeV;^{12}C(^{18}O, X)^{27}Mg / ^{28}Mg, E=50, 60 MeV; ^{11}B, ^{12}C(^{18}O, X)^{26}Mg / ^{27}Mg / ^{25}Mg / ^{24}Na, E not given; measured reaction products, Eγ, Iγ; deduced production yields. Comparison with PACE, LisFus and GEMINI calculations. JOUR NIMAE 648 109
	2011ZH22	NUCLEAR REACTIONS ^{28,29,30}Si(n, xγ), (n, n'γ), (n, 2nγ), (n, npγ), (n, dγ), (n, pγ), (n, $\alpha\gamma$), (n, n$\alpha\gamma$), E=14.9 MeV; measured reaction products, Eγ, Iγ; deduced energies, M1 and E2 transition types. Comparison with GNASH nuclear reaction code calculations. JOUR NIMAE 648 192
^{27}Al	2011CA20	NUCLEAR REACTIONS ^{27}Al(^{16}O, ^{16}O), (^{16}O, ^{16}O'), E=100 MeV; measured reaction products; deduced $\sigma(\theta)$. MAGNEX quadrupole-dipole magnetic spectrometer. JOUR NIMAE 648 46
	2011DU19	NUCLEAR REACTIONS ^{6}Li, ^{12}C, ^{19}F, ^{27}Al(p, γ), (p, p), E=590-1150 keV; measured reaction products, proton spectra; deduced $\sigma(\theta)$, S-factors. Optical model calculations, comparison with experimental data. JOUR PANUE 74 984
	2011ZH22	NUCLEAR REACTIONS ^{28,29,30}Si(n, xγ), (n, n'γ), (n, 2nγ), (n, npγ), (n, dγ), (n, pγ), (n, $\alpha\gamma$), (n, n$\alpha\gamma$), E=14.9 MeV; measured reaction products, Eγ, Iγ; deduced energies, M1 and E2 transition types. Comparison with GNASH nuclear reaction code calculations. JOUR NIMAE 648 192
^{27}Si	2011ZH22	NUCLEAR REACTIONS ^{28,29,30}Si(n, xγ), (n, n'γ), (n, 2nγ), (n, npγ), (n, dγ), (n, pγ), (n, $\alpha\gamma$), (n, n$\alpha\gamma$), E=14.9 MeV; measured reaction products, Eγ, Iγ; deduced energies, M1 and E2 transition types. Comparison with GNASH nuclear reaction code calculations. JOUR NIMAE 648 192

A=28

^{28}Mg	2011GI03	NUCLEAR REACTIONS ^{9}Be(^{9}Be, X)^{15}N / ^{16}N / ^{12}C / ^{13}C / ^{15}C / ^{16}C, E=30, 35, 40 MeV;^{12}C(^{18}O, X)^{27}Mg / ^{28}Mg, E=50, 60 MeV; ^{11}B, ^{12}C(^{18}O, X)^{26}Mg / ^{27}Mg / ^{25}Mg / ^{24}Na, E not given; measured reaction products, Eγ, Iγ; deduced production yields. Comparison with PACE, LisFus and GEMINI calculations. JOUR NIMAE 648 109
^{28}Al	2010MAZJ	RADIOACTIVITY ^{28}P(β^+)[polarized from ^{9}Be(^{28}Si, ^{28}P), E=100 MeV / nucleon charge exchange]; measured polarized target Ee$^+$, Ie$^+$(θ, t) uing β-NMR technique. ^{28}Al, ^{28}P deduced magnetic moment, quadrupole coupling constant. CONF Tsukuba(Nuclear Physics Trends) Proc.P260,Matsuta

A=28 *(continued)*

	2011ZH22	NUCLEAR REACTIONS ^{28,29,30}Si(n, xγ), (n, n'γ), (n, 2nγ), (n, npγ), (n, dγ), (n, pγ), (n, $\alpha\gamma$), (n, n$\alpha\gamma$), E=14.9 MeV; measured reaction products, Eγ, Iγ; deduced energies, M1 and E2 transition types. Comparison with GNASH nuclear reaction code calculations. JOUR NIMAE 648 192
	2011ZH22	RADIOACTIVITY ^{28}Al(β^-) [from ^{28}Si(n, p), E=14.9 MeV]; measured decay products, Eβ, Iβ; deduced energies, M1 and E2 transition types. Comparison with GNASH nuclear reaction code calculations. JOUR NIMAE 648 192
^{28}Si	2010MAZJ	RADIOACTIVITY ^{28}P(β^+)[polarized from ^{9}Be(^{28}Si, ^{28}P), E=100 MeV / nucleon charge exchange]; measured polarized target Ee$^+$, Ie$^+$(θ, t) uing β-NMR technique. ^{28}Al, ^{28}P deduced magnetic moment, quadrupole coupling constant. CONF Tsukuba(Nuclear Physics Trends) Proc.P260,Matsuta
	2011DU19	NUCLEAR REACTIONS ^{6}Li, ^{12}C, ^{19}F, ^{27}Al(p, γ), (p, p), E=590-1150 keV; measured reaction products, proton spectra; deduced $\sigma(\theta)$, S-factors. Optical model calculations, comparison with experimental data. JOUR PANUE 74 984
	2011ZH22	NUCLEAR REACTIONS ^{28,29,30}Si(n, xγ), (n, n'γ), (n, 2nγ), (n, npγ), (n, dγ), (n, pγ), (n, $\alpha\gamma$), (n, n$\alpha\gamma$), E=14.9 MeV; measured reaction products, Eγ, Iγ; deduced energies, M1 and E2 transition types. Comparison with GNASH nuclear reaction code calculations. JOUR NIMAE 648 192
	2011ZH22	RADIOACTIVITY ^{28}Al(β^-) [from ^{28}Si(n, p), E=14.9 MeV]; measured decay products, Eβ, Iβ; deduced energies, M1 and E2 transition types. Comparison with GNASH nuclear reaction code calculations. JOUR NIMAE 648 192
^{28}P	2010MAZJ	RADIOACTIVITY ^{28}P(β^+)[polarized from ^{9}Be(^{28}Si, ^{28}P), E=100 MeV / nucleon charge exchange]; measured polarized target Ee$^+$, Ie$^+$(θ, t) uing β-NMR technique. ^{28}Al, ^{28}P deduced magnetic moment, quadrupole coupling constant. CONF Tsukuba(Nuclear Physics Trends) Proc.P260,Matsuta
	2010WRZZ	NUCLEAR REACTIONS ^{20}Ne, ^{24}Mg, ^{28}Si, ^{32}S, ^{36}Ar(^{3}He, t), E=32 MeV; measured E(particle), I(particle, θ); deduced reaction rates of ^{35}Ar(p, γ). Compared to those by Iliadis et al. CONF Heidelberg (NIC XI) Proc,P55,Wrede

A=29

^{29}Al	2011ZH22	NUCLEAR REACTIONS ^{28,29,30}Si(n, xγ), (n, n'γ), (n, 2nγ), (n, npγ), (n, dγ), (n, pγ), (n, $\alpha\gamma$), (n, n$\alpha\gamma$), E=14.9 MeV; measured reaction products, Eγ, Iγ; deduced energies, M1 and E2 transition types. Comparison with GNASH nuclear reaction code calculations. JOUR NIMAE 648 192

A=29 *(continued)*

^{29}Si	2011ZH22	NUCLEAR REACTIONS ^{28,29,30}Si(n, xγ), (n, n'γ), (n, 2nγ), (n, npγ), (n, dγ), (n, pγ), (n, $\alpha\gamma$), (n, n$\alpha\gamma$), E=14.9 MeV; measured reaction products, Eγ, Iγ; deduced energies, M1 and E2 transition types. Comparison with GNASH nuclear reaction code calculations. JOUR NIMAE 648 192
^{29}P	2010DEZV	NUCLEAR REACTIONS ^{2}H(^{28}Si, n), (^{32}S, n), (^{36}Ar, n), E≈320-325 MeV; measured reaction products. ^{1}H(^{29}P, ^{26}Si), E≈230 MeV;^{1}H(^{33}Cl, ^{30}S), E=208, 229, 250 MeV; ^{1}H(^{37}K, ^{34}Ar), E=235, 255, 275 MeV; measured Eα, I$\alpha(\theta)$, E(particle), I(particle); deduced σ; calculated σ using NON-SMOKER. Heavy ions from reactions on deuterium used as beams for reactions on hydrogen. Cross sections not presented in the paper. CONF Heidelberg (NIC XI) Proc,P56,Deibel

A=30

^{30}Al	2011ZH22	NUCLEAR REACTIONS ^{28,29,30}Si(n, xγ), (n, n'γ), (n, 2nγ), (n, npγ), (n, dγ), (n, pγ), (n, $\alpha\gamma$), (n, n$\alpha\gamma$), E=14.9 MeV; measured reaction products, Eγ, Iγ; deduced energies, M1 and E2 transition types. Comparison with GNASH nuclear reaction code calculations. JOUR NIMAE 648 192
^{30}Si	2011ZH22	NUCLEAR REACTIONS ^{28,29,30}Si(n, xγ), (n, n'γ), (n, 2nγ), (n, npγ), (n, dγ), (n, pγ), (n, $\alpha\gamma$), (n, n$\alpha\gamma$), E=14.9 MeV; measured reaction products, Eγ, Iγ; deduced energies, M1 and E2 transition types. Comparison with GNASH nuclear reaction code calculations. JOUR NIMAE 648 192
^{30}S	2010SEZU	NUCLEAR REACTIONS ^{28}Si(^{3}He, n), E=9 MeV; measured Eγ, I$\gamma(\theta)$, $\gamma\gamma$-coin, In, En, nγ-coin. Analysis of data in progress. CONF Heidelberg (NIC XI) Proc,P213,Setoodehnia
	2010SEZV	NUCLEAR REACTIONS ^{32}S(p, t), E=33.5, 34.5 MeV; measured E(particle), I(particle, θ). ^{30}S deduced 3^+, 2^+ levels. CONF Frascati(Nuclear Physics in Astrophysics IV 2009), P012042
	2010SIZW	RADIOACTIVITY ^{20}Mg, ^{23}Al, ^{31}Cl(p)[from ^{1}H(^{24}Mg, γ), E=48 M eV / nucleon; ^{1}H(^{32}S, γ), E=40 MeV / nucleon; ^{3}He(^{20}Ne, 3n), E=25 MeV / nucleon on thick target]; measured β-delayed Ep, Ip. CONF Sinaia (Exotic Nucei and Nuc.Part.Astroph.III)Proc.P415,Simmons

A=31

^{31}Cl	2010SIZW	RADIOACTIVITY ^{20}Mg, ^{23}Al, ^{31}Cl(p)[from ^{1}H(^{24}Mg, γ), E=48 M eV / nucleon; ^{1}H(^{32}S, γ), E=40 MeV / nucleon; ^{3}He(^{20}Ne, 3n), E=25 MeV / nucleon on thick target]; measured β-delayed Ep, Ip. CONF Sinaia (Exotic Nucei and Nuc.Part.Astroph.III)Proc.P415,Simmons

A=32

^{32}Cl	2010MAZH	NUCLEAR REACTIONS ^{32}S(^{3}He, t), E=30 MeV; measured E(particle), I(particle, θ) using Enge split-pole spectrograph; deduced energy of states relevant for novae, new excited state, proton branching ratio for resonances. CONF Heidelberg (NIC XI) Proc,P53,Matos
	2010WRZZ	NUCLEAR REACTIONS ^{20}Ne, ^{24}Mg, ^{28}Si, ^{32}S, ^{36}Ar(^{3}He, t), E=32 MeV; measured E(particle), I(particle, θ); deduced reaction rates of ^{35}Ar(p, γ). Compared to those by Iliadis et al. CONF Heidelberg (NIC XI) Proc,P55,Wrede

A=33

^{33}S	2011KHZW	NUCLEAR REACTIONS ^{14}N, ^{16}O(n, α), E=1.7-7 MeV;^{20}Ne(n, α), E=4-7 MeV; ^{36,40}Ar(n, α), E=1.5-7 MeV; measured Eα, Iα using digital spectrometer; deduced σ to low-lying states. Comparison with other data, O and N reactions also to ENDF / B-VII. CONF Dubna(ISINN-18),P153,Khryachkov
^{33}Cl	2010DEZV	NUCLEAR REACTIONS ^{2}H(^{28}Si, n), (^{32}S, n), (^{36}Ar, n), E≈320-325 MeV; measured reaction products. ^{1}H(^{29}P, ^{26}Si), E≈230 MeV;^{1}H(^{33}Cl, ^{30}S), E=208, 229, 250 MeV; ^{1}H(^{37}K, ^{34}Ar), E=235, 255, 275 MeV; measured Eα, I$\alpha(\theta)$, E(particle), I(particle); deduced σ; calculated σ using NON-SMOKER. Heavy ions from reactions on deuterium used as beams for reactions on hydrogen. Cross sections not presented in the paper. CONF Heidelberg (NIC XI) Proc,P56,Deibel
	2010MAZI	NUCLEAR REACTIONS ^{12}C(^{23}Al, 2p), E≈65 MeV / nucleon; measured E(particle), I(particle, θ), Ep, Ip(θ), pp-coin, Eγ, Iγ; deduced relative proton momenta, excitation energy spectra. CONF Tsukuba(Nuclear Physics Trends) Proc.P377,Ma

A=34

^{34}Cl	2010PAZT	NUCLEAR REACTIONS ^{34}S(^{3}He, t), ^{33}S(^{3}He, d), E=25 MeV; measured reaction products; deduced new states; ^{33}S(p, γ), E*=5572 keV, E* ≈5350-5850 keV; measured Eγ, Iγ at CENPA; ^{1}H(^{33}S, γ), E* ≈5300-5650 keV; measured E(particle), I(particle), Eγ, Iγ, (particle)γ-coin using DRAGON. CONF Heidelberg (NIC XI) Proc,P52,Parikh

A=35

No references found

A=36

^{36}K	2010WRZZ	NUCLEAR REACTIONS ^{20}Ne, ^{24}Mg, ^{28}Si, ^{32}S, ^{36}Ar(^{3}He, t), E=32 MeV; measured E(particle), I(particle, θ); deduced reaction rates of ^{35}Ar(p, γ). Compared to those by Iliadis et al. CONF Heidelberg (NIC XI) Proc,P55,Wrede

A=37

^{37}S	2011KHZW	NUCLEAR REACTIONS ^{14}N, ^{16}O(n, α), E=1.7-7 MeV;^{20}Ne(n, α), E=4-7 MeV; ^{36,40}Ar(n, α), E=1.5-7 MeV; measured Eα, Iα using digital spectrometer; deduced σ to low-lying states. Comparison with other data, O and N reactions also to ENDF / B-VII. CONF Dubna(ISINN-18),P153,Khryachkov
^{37}K	2010DEZV	NUCLEAR REACTIONS ^{2}H(^{28}Si, n), (^{32}S, n), (^{36}Ar, n), E≈320-325 MeV; measured reaction products. ^{1}H(^{29}P, ^{26}Si), E≈230 MeV;^{1}H(^{33}Cl, ^{30}S), E=208, 229, 250 MeV; ^{1}H(^{37}K, ^{34}Ar), E=235, 255, 275 MeV; measured Eα, I$\alpha(\theta)$, E(particle), I(particle); deduced σ; calculated σ using NON-SMOKER. Heavy ions from reactions on deuterium used as beams for reactions on hydrogen. Cross sections not presented in the paper. CONF Heidelberg (NIC XI) Proc,P56,Deibel

A=38

^{38}Ar	2010WAZV	NUCLEAR REACTIONS ^{41}Ca(n, α), E=3-100 keV; measured Eα, Iα; deduced σ, MACS, resonances. GELINA facility; σ compared with De Smet data. CONF Heidelberg (NIC XI) Proc,P199,Wagemans

A=39

^{39}Si	2011SO22	NUCLEAR REACTIONS Be(^{40}P, p), (^{41}P, np), (^{42}S, n2p), (^{43}S, 2n2p), (^{42}P, p), (^{43}S, np), (^{44}S, 2np), E=41.5 MeV / nucleon; measured reaction products, Eγ, Iγ. ^{39,41}Si; deduced level scheme, J, π, low-lying intruder and deformed states. ^{48}Ca secondary beams. JOUR PYLBB 703 417

A=40

^{40}Ar	2011IDZZ	NUCLEAR REACTIONS ^{26}Mg(^{18}O, 2n2p), E=70 MeV; measured Eγ, I$\gamma(\theta)$, E(particle), I(particle), (particle)γ-coin, $\gamma\gamma$-coin; deduced levels, J, π. Only levels presented in the paper; detailed analysis in progress. REPT CNS-REP-86,P23,Ideguchi
	2011SZ02	NUCLEAR REACTIONS ^{208}Pb(^{40}Ar, X), E=255 MeV; measured Eγ, Iγ, $\gamma\gamma$-, (particle)γ-coin using Prisa-Clara system. ^{40,41,42,43}Ar; deduced levels, J, π. Comparison with shell model calculations, and with energy level systematics of N=20-28 argon nuclei. JOUR PRVCA 84 014325

A=40 *(continued)*

^{40}Ca	2011MU10	NUCLEAR REACTIONS ^{40,48}Ca(n, n), E=11.9, 16.9 MeV; measured E(n), I(n), σ, σ(E, θ), time-of-flight spectra. ^{40}Ca(n, n), E=9.9-85.0; ^{48}Ca(n, n), E=7.97-16.9 MeV; ^{54}Ca(n, n), E=5.5-26.0 MeV; ^{58,60}Ni(n, n), E=4.5-24.0 MeV; ^{92}Mo(n, n), E=7.0-30.4 MeV; ^{116,118}Sn(n, n), E=9.95-24.0 MeV; ^{120}Sn(n, n), E=9.94-16.91 MeV; ^{124}Sn(n, n), E=11.0-24.0 MeV; ^{208}Pb(n, n), E=4.0-185.0 MeV; ^{50}Ti(p, p), E=6.0-65.0 MeV; ^{52}Cr(p, p), E=10.77-39.9 MeV; ^{54}Fe, ^{64}Ni(p, p), E=9.69-65.0 MeV; ^{58}Ni(p, p), E=7.0-192.0 MeV; ^{60}Ni(p, p), E=7.0-178.0 MeV; ^{62}Ni(p, p), E=8.02-156.0 MeV; ^{90}Zr(p, p), E=5.57-185.0 MeV; ^{92}Mo(p, p), E=12.5-49.45 MeV; ^{114}Sn(p, p), E=30.4 MeV; ^{116}Sn(p, p), E=16.0-61.4 MeV; ^{118,122,124}Sn(p, p), E=16.0-49.35 MeV; ^{120}Sn(p, p), E=9.8-156.0 MeV; ^{208}Pb(p, p), E=9.0-200.0 MeV; analyzed total cross sections, σ(E, θ), single-particle levels, spectroscopic factors, occupation probabilities, mass dependence on cross section. Dispersal optical model (DOM) analysis. JOUR PRVCA 83 064605
	2011NO12	NUCLEAR REACTIONS ^{4}He(^{36}Ar, ^{36}Ar), E=150 MeV; measured thick target Eα, Iα(θ). ^{40}Ca deduced resonance parameters, moments of inertia. JOUR ZAANE 47 96

A=41

^{41}Si	2011SO22	NUCLEAR REACTIONS Be(^{40}P, p), (^{41}P, np), (^{42}S, n2p), (^{43}S, 2n2p), (^{42}P, p), (^{43}S, np), (^{44}S, 2np), E=41.5 MeV / nucleon; measured reaction products, Eγ, Iγ. ^{39,41}Si; deduced level scheme, J, π, low-lying intruder and deformed states. ^{48}Ca secondary beams. JOUR PYLBB 703 417
^{41}S	2011WA13	NUCLEAR REACTIONS ^{208}Pb(^{36}S, X), E=215 MeV; measured Eγ, Iγ, (particle)γ-coin using PRISMA spectrometer and CLARA array. ^{41}S; deduced levels, J, π, multipolarity, configurations. Comparison with previous Coulomb excitation study and large-scale shell-model calculations using SDPF-U effective interaction. JOUR PRVCA 83 061304
^{41}Ar	2011SZ02	NUCLEAR REACTIONS ^{208}Pb(^{40}Ar, X), E=255 MeV; measured Eγ, Iγ, $\gamma\gamma$-, (particle)γ-coin using Prisa-Clara system. ^{40,41,42,43}Ar; deduced levels, J, π. Comparison with shell model calculations, and with energy level systematics of N=20-28 argon nuclei. JOUR PRVCA 84 014325
^{41}K	2011KA24	NUCLEAR REACTIONS ^{40}Ar(p, γ), E=1-3 MeV; measured Eγ, Iγ; deduced excitation function, resonance states, resonance strengths. JOUR BRSPE 75 917

A=42

^{42}Ar	2011SZ02	NUCLEAR REACTIONS ^{208}Pb(^{40}Ar, X), E=255 MeV; measured Eγ, Iγ, $\gamma\gamma$-, (particle)γ-coin using Prisa-Clara system. ^{40,41,42,43}Ar; deduced levels, J, π. Comparison with shell model calculations, and with energy level systematics of N=20-28 argon nuclei. JOUR PRVCA 84 014325

A=43

^{43}Ar	2011SZ02	NUCLEAR REACTIONS ^{208}Pb(^{40}Ar, X), E=255 MeV; measured Eγ, Iγ, $\gamma\gamma$-, (particle)γ-coin using Prisa-Clara system. ^{40,41,42,43}Ar; deduced levels, J, π. Comparison with shell model calculations, and with energy level systematics of N=20-28 argon nuclei. JOUR PRVCA 84 014325

A=44

^{44}S	2011SA25	NUCLEAR REACTIONS ^{9}Be(^{46}Ar, 2p), [^{46}Ar secondary beam produced in Be(^{48}Ca, X), E=140 MeV / nucleon primary reaction], E=99.9 MeV / nucleon; measured Eγ, Iγ, $\gamma\gamma$-, (fragment)γ-coin using SeGA array, cross sections. ^{44}S; deduced levels, J, π, longitudinal momentum distributions, and configurations. Two-proton knockout reaction. Comparison with shell-model calculations using the SDPF-U interaction. JOUR PRVCA 83 061305
^{44}Sc	2011KIZY	NUCLEAR REACTIONS ^{45}Sc(γ, n), E=50, 60, 70 MeV; measured Eγ, Iγ; deduced isomeric σ ratio. Comparison with other data. CONF Dubna(ISINN-18),P257,Kim

A=45

^{45}Cr	2011PO09	RADIOACTIVITY ^{48}Ni(2p), (β^+p)[from Ni(^{58}Ni, X), E=160 MeV / nucleon]; measured E(p), I(p), time-of-flight using optical time-projection chamber (OPTC), half-life; deduced branching ratios for the two-proton and delayed-proton decay modes. ^{46}Fe(β^+p); measured E(p), I(p). JOUR PRVCA 83 061303

A=46

^{46}V	2011WAZY	RADIOACTIVITY ^{46}Cr(β^+)[from ^{36}Ar+^{12}C]; measured E(nucleus), I(nucleus, t), Eβ, Iβ(t), β-delayed Eγ, Iγ, $\beta\gamma$-coin. ^{46}Cr, ^{46}V deduced $T_{1/2}$, γ branching ratio. REPT CNS-REP-86,P13,Wakabayashi
^{46}Cr	2011WAZY	RADIOACTIVITY ^{46}Cr(β^+)[from ^{36}Ar+^{12}C]; measured E(nucleus), I(nucleus, t), Eβ, Iβ(t), β-delayed Eγ, Iγ, $\beta\gamma$-coin. ^{46}Cr, ^{46}V deduced $T_{1/2}$, γ branching ratio. REPT CNS-REP-86,P13,Wakabayashi

A=46 *(continued)*

^{46}Fe	2011PO09	RADIOACTIVITY ^{48}Ni(2p), (β^+p)[from Ni(^{58}Ni, X), E=160 MeV / nucleon]; measured E(p), I(p), time-of-flight using optical time-projection chamber (OPTC), half-life; deduced branching ratios for the two-proton and delayed-proton decay modes. ^{46}Fe(β^+p); measured E(p), I(p). JOUR PRVCA 83 061303

A=47

^{47}V	2011ZHZZ	NUCLEAR REACTIONS ^{47,48,49}Ti, ^{53,54}Cr(p, n), E=7-11 MeV; measured En, In; calculated σ(E); deduced σ(E), residual nuclear level density. CONF Dubna(ISINN-18),P225,Zhuravlev
^{47}Fe	2011PO09	RADIOACTIVITY ^{48}Ni(2p), (β^+p)[from Ni(^{58}Ni, X), E=160 MeV / nucleon]; measured E(p), I(p), time-of-flight using optical time-projection chamber (OPTC), half-life; deduced branching ratios for the two-proton and delayed-proton decay modes. ^{46}Fe(β^+p); measured E(p), I(p). JOUR PRVCA 83 061303

A=48

^{48}Ca	2011MU10	NUCLEAR REACTIONS ^{40,48}Ca(n, n), E=11.9, 16.9 MeV; measured E(n), I(n), σ, σ(E, θ), time-of-flight spectra. ^{40}Ca(n, n), E=9.9-85.0; ^{48}Ca(n, n), E=7.97-16.9 MeV; ^{54}Ca(n, n), E=5.5-26.0 MeV; ^{58,60}Ni(n, n), E=4.5-24.0 MeV; ^{92}Mo(n, n), E=7.0-30.4 MeV; ^{116,118}Sn(n, n), E=9.95-24.0 MeV; ^{120}Sn(n, n), E=9.94-16.91 MeV; ^{124}Sn(n, n), E=11.0-24.0 MeV; ^{208}Pb(n, n), E=4.0-185.0 MeV; ^{50}Ti(p, p), E=6.0-65.0 MeV; ^{52}Cr(p, p), E=10.77-39.9 MeV; ^{54}Fe, ^{64}Ni(p, p), E=9.69-65.0 MeV; ^{58}Ni(p, p), E=7.0-192.0 MeV; ^{60}Ni(p, p), E=7.0-178.0 MeV; ^{62}Ni(p, p), E=8.02-156.0 MeV; ^{90}Zr(p, p), E=5.57-185.0 MeV; ^{92}Mo(p, p), E=12.5-49.45 MeV; ^{114}Sn(p, p), E=30.4 MeV; ^{116}Sn(p, p), E=16.0-61.4 MeV; ^{118,122,124}Sn(p, p), E=16.0-49.35 MeV; ^{120}Sn(p, p), E=9.8-156.0 MeV; ^{208}Pb(p, p), E=9.0-200.0 MeV; analyzed total cross sections, σ(E, θ), single-particle levels, spectroscopic factors, occupation probabilities, mass dependence on cross section. Dispersal optical model (DOM) analysis. JOUR PRVCA 83 064605
	2011SO22	NUCLEAR REACTIONS Be(^{40}P, p), (^{41}P, np), (^{42}S, n2p), (^{43}S, 2n2p), (^{42}P, p), (^{43}S, np), (^{44}S, 2np), E=41.5 MeV / nucleon; measured reaction products, Eγ, Iγ. ^{39,41}Si; deduced level scheme, J, π, low-lying intruder and deformed states. ^{48}Ca secondary beams. JOUR PYLBB 703 417
^{48}Ti	2011AD14	NUCLEAR REACTIONS ^{48}Ti, ^{52}Cr, ^{80}Se(n, nγ), E=thermal; measured Eγ, Iγ. ^{48}Ti, ^{52}Cr, ^{80}Se; deduced level energies, lifetime, $T_{1/2}$. Doppler Shift Attenuation method (DSA). JOUR BRSPE 75 914

A=48 *(continued)*

^{48}V	2011DI09	NUCLEAR REACTIONS Ti(d, X)^{48}V, ^{27}Al(d, X)^{22}Na / ^{24}Na, ^{55}Mn(d, p), ^{55}Mn(d, X)^{54}Mn / ^{52}Mn / ^{51}Cr, E<40 MeV; measured reaction products, Eγ, Iγ; deduced production σ, thick target yields. Comparison with ALICE-IPPE and EMPIRE-II calculations. JOUR NIMBE 269 1878
	2011ZHZZ	NUCLEAR REACTIONS ^{47,48,49}Ti, ^{53,54}Cr(p, n), E=7-11 MeV; measured En, In; calculated σ(E); deduced σ(E), residual nuclear level density. CONF Dubna(ISINN-18),P225,Zhuravlev
^{48}Ni	2011PO09	RADIOACTIVITY ^{48}Ni(2p), (β^+p)[from Ni(^{58}Ni, X), E=160 MeV / nucleon]; measured E(p), I(p), time-of-flight using optical time-projection chamber (OPTC), half-life; deduced branching ratios for the two-proton and delayed-proton decay modes. ^{46}Fe(β^+p); measured E(p), I(p). JOUR PRVCA 83 061303

A=49

^{49}V	2011ZHZZ	NUCLEAR REACTIONS ^{47,48,49}Ti, ^{53,54}Cr(p, n), E=7-11 MeV; measured En, In; calculated σ(E); deduced σ(E), residual nuclear level density. CONF Dubna(ISINN-18),P225,Zhuravlev

A=50

^{50}Ti	2011MU10	NUCLEAR REACTIONS ^{40,48}Ca(n, n), E=11.9, 16.9 MeV; measured E(n), I(n), σ, σ(E, θ), time-of-flight spectra. ^{40}Ca(n, n), E=9.9-85.0; ^{48}Ca(n, n), E=7.97-16.9 MeV; ^{54}Ca(n, n), E=5.5-26.0 MeV; ^{58,60}Ni(n, n), E=4.5-24.0 MeV; ^{92}Mo(n, n), E=7.0-30.4 MeV; ^{116,118}Sn(n, n), E=9.95-24.0 MeV; ^{120}Sn(n, n), E=9.94-16.91 MeV; ^{124}Sn(n, n), E=11.0-24.0 MeV; ^{208}Pb(n, n), E=4.0-185.0 MeV; ^{50}Ti(p, p), E=6.0-65.0 MeV; ^{52}Cr(p, p), E=10.77-39.9 MeV; ^{54}Fe, ^{64}Ni(p, p), E=9.69-65.0 MeV; ^{58}Ni(p, p), E=7.0-192.0 MeV; ^{60}Ni(p, p), E=7.0-178.0 MeV; ^{62}Ni(p, p), E=8.02-156.0 MeV; ^{90}Zr(p, p), E=5.57-185.0 MeV; ^{92}Mo(p, p), E=12.5-49.45 MeV; ^{114}Sn(p, p), E=30.4 MeV; ^{116}Sn(p, p), E=16.0-61.4 MeV; ^{118,122,124}Sn(p, p), E=16.0-49.35 MeV; ^{120}Sn(p, p), E=9.8-156.0 MeV; ^{208}Pb(p, p), E=9.0-200.0 MeV; analyzed total cross sections, σ(E, θ), single-particle levels, spectroscopic factors, occupation probabilities, mass dependence on cross section. Dispersal optical model (DOM) analysis. JOUR PRVCA 83 064605

A=51

^{51}Cr	2011DI09	NUCLEAR REACTIONS Ti(d, X)^{48}V, ^{27}Al(d, X)^{22}Na / ^{24}Na, ^{55}Mn(d, p), ^{55}Mn(d, X)^{54}Mn / ^{52}Mn / ^{51}Cr, E<40 MeV; measured reaction products, Eγ, Iγ; deduced production σ, thick target yields. Comparison with ALICE-IPPE and EMPIRE-II calculations. JOUR NIMBE 269 1878

A=51 ***(continued)***

2011FI06 NUCLEAR REACTIONS ^{115}Sn(α, γ)^{119}Te, ^{115}Sn(α, n)^{118}Te, ^{116}Sn(α, n)^{119}Te, E(cm)=9.3-14.8 MeV; ^{48}Ti(α, n)^{51}Cr, E not given; measured Eγ, Iγ, cross sections. Comparison with previous data and predictions of statistical model calculations. JOUR PRVCA 83 064609

A=52

^{52}Cr

2011AD14 NUCLEAR REACTIONS ^{48}Ti, ^{52}Cr, ^{80}Se(n, nγ), E=thermal; measured Eγ, Iγ. ^{48}Ti, ^{52}Cr, ^{80}Se; deduced level energies, lifetime, $T_{1/2}$. Doppler Shift Attenuation method (DSA). JOUR BRSPE 75 914

2011MU10 NUCLEAR REACTIONS ^{40,48}Ca(n, n), E=11.9, 16.9 MeV; measured E(n), I(n), σ, σ(E, θ), time-of-flight spectra. ^{40}Ca(n, n), E=9.9-85.0; ^{48}Ca(n, n), E=7.97-16.9 MeV; ^{54}Ca(n, n), E=5.5-26.0 MeV; ^{58,60}Ni(n, n), E=4.5-24.0 MeV; ^{92}Mo(n, n), E=7.0-30.4 MeV; ^{116,118}Sn(n, n), E=9.95-24.0 MeV; ^{120}Sn(n, n), E=9.94-16.91 MeV; ^{124}Sn(n, n), E=11.0-24.0 MeV; ^{208}Pb(n, n), E=4.0-185.0 MeV; ^{50}Ti(p, p), E=6.0-65.0 MeV; ^{52}Cr(p, p), E=10.77-39.9 MeV; ^{54}Fe, ^{64}Ni(p, p), E=9.69-65.0 MeV; ^{58}Ni(p, p), E=7.0-192.0 MeV; ^{60}Ni(p, p), E=7.0-178.0 MeV; ^{62}Ni(p, p), E=8.02-156.0 MeV; ^{90}Zr(p, p), E=5.57-185.0 MeV; ^{92}Mo(p, p), E=12.5-49.45 MeV; ^{114}Sn(p, p), E=30.4 MeV; ^{116}Sn(p, p), E=16.0-61.4 MeV; ^{118,122,124}Sn(p, p), E=16.0-49.35 MeV; ^{120}Sn(p, p), E=9.8-156.0 MeV; ^{208}Pb(p, p), E=9.0-200.0 MeV; analyzed total cross sections, σ(E, θ), single-particle levels, spectroscopic factors, occupation probabilities, mass dependence on cross section. Dispersal optical model (DOM) analysis. JOUR PRVCA 83 064605

^{52}Mn

2010FUZQ NUCLEAR REACTIONS ^{52}Cr(^{3}He, t), E=140 MeV / nucleon; measured E(particle), I(particle); calculated ^{52}Ni β-decay f-factor, $T_{1/2}$, GT transition strengths. CONF Kobe(Tours Nuc.Phys.and Astroph.VII) Proc.P297,Fujita

2011DI09 NUCLEAR REACTIONS Ti(d, X)^{48}V, ^{27}Al(d, X)^{22}Na / ^{24}Na, ^{55}Mn(d, p), ^{55}Mn(d, X)^{54}Mn / ^{52}Mn / ^{51}Cr, E<40 MeV; measured reaction products, Eγ, Iγ; deduced production σ, thick target yields. Comparison with ALICE-IPPE and EMPIRE-II calculations. JOUR NIMBE 269 1878

^{52}Ni

2011AS08 RADIOACTIVITY ^{54}Zn(2p) [from Ni(^{58}Ni, X), E=75.5 MeV / nucleon]; measured decay products, proton spectra; deduced branching ratio, total decay energy, angular and energy correlations, $T_{1/2}$. Comparison with theoretical calculations. JOUR PRLTA 107 102502

A=53

^{53}Ca	2011SA25	NUCLEAR REACTIONS ^{9}Be(^{46}Ar, 2p), [^{46}Ar secondary beam produced in Be(^{48}Ca, X), E=140 MeV / nucleon primary reaction], E=99.9 MeV / nucleon; measured Eγ, Iγ, $\gamma\gamma$-, (fragment)γ-coin using SeGA array, cross sections. ^{44}S; deduced levels, J, π, longitudinal momentum distributions, and configurations. Two-proton knockout reaction. Comparison with shell-model calculations using the SDPF-U interaction. JOUR PRVCA 83 061305
^{53}Mn	2011ZHZZ	NUCLEAR REACTIONS ^{47,48,49}Ti, ^{53,54}Cr(p, n), E=7-11 MeV; measured En, In; calculated σ(E); deduced σ(E), residual nuclear level density. CONF Dubna(ISINN-18),P225,Zhuravlev

A=54

^{54}Ar	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{54}K	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{54}Ca	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade

A=54 *(continued)*

	2011MU10	NUCLEAR REACTIONS ^{40,48}Ca(n, n), E=11.9, 16.9 MeV; measured E(n), I(n), σ, σ(E, θ), time-of-flight spectra. ^{40}Ca(n, n), E=9.9-85.0; ^{48}Ca(n, n), E=7.97-16.9 MeV; ^{54}Ca(n, n), E=5.5-26.0 MeV; ^{58,60}Ni(n, n), E=4.5-24.0 MeV; ^{92}Mo(n, n), E=7.0-30.4 MeV; ^{116,118}Sn(n, n), E=9.95-24.0 MeV; ^{120}Sn(n, n), E=9.94-16.91 MeV; ^{124}Sn(n, n), E=11.0-24.0 MeV; ^{208}Pb(n, n), E=4.0-185.0 MeV; ^{50}Ti(p, p), E=6.0-65.0 MeV; ^{52}Cr(p, p), E=10.77-39.9 MeV; ^{54}Fe, ^{64}Ni(p, p), E=9.69-65.0 MeV; ^{58}Ni(p, p), E=7.0-192.0 MeV; ^{60}Ni(p, p), E=7.0-178.0 MeV; ^{62}Ni(p, p), E=8.02-156.0 MeV; ^{90}Zr(p, p), E=5.57-185.0 MeV; ^{92}Mo(p, p), E=12.5-49.45 MeV; ^{114}Sn(p, p), E=30.4 MeV; ^{116}Sn(p, p), E=16.0-61.4 MeV; ^{118,122,124}Sn(p, p), E=16.0-49.35 MeV; ^{120}Sn(p, p), E=9.8-156.0 MeV; ^{208}Pb(p, p), E=9.0-200.0 MeV; analyzed total cross sections, σ(E, θ), single-particle levels, spectroscopic factors, occupation probabilities, mass dependence on cross section. Dispersal optical model (DOM) analysis. JOUR PRVCA 83 064605
^{54}Sc	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{54}Ti	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{54}V	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{54}Cr	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade

A=54 *(continued)*

^{54}Mn	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
	2011DI09	NUCLEAR REACTIONS Ti(d, X)^{48}V, ^{27}Al(d, X)^{22}Na / ^{24}Na, ^{55}Mn(d, p), ^{55}Mn(d, X)^{54}Mn / ^{52}Mn / ^{51}Cr, E<40 MeV; measured reaction products, Eγ, Iγ; deduced production σ, thick target yields. Comparison with ALICE-IPPE and EMPIRE-II calculations. JOUR NIMBE 269 1878
	2011ZHZZ	NUCLEAR REACTIONS ^{47,48,49}Ti, ^{53,54}Cr(p, n), E=7-11 MeV; measured En, In; calculated σ(E); deduced σ(E), residual nuclear level density. CONF Dubna(ISINN-18),P225,Zhuravlev
^{54}Fe	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
	2011MU10	NUCLEAR REACTIONS ^{40,48}Ca(n, n), E=11.9, 16.9 MeV; measured E(n), I(n), σ, σ(E, θ), time-of-flight spectra. ^{40}Ca(n, n), E=9.9-85.0; ^{48}Ca(n, n), E=7.97-16.9 MeV; ^{54}Ca(n, n), E=5.5-26.0 MeV; ^{58,60}Ni(n, n), E=4.5-24.0 MeV; ^{92}Mo(n, n), E=7.0-30.4 MeV; ^{116,118}Sn(n, n), E=9.95-24.0 MeV; ^{120}Sn(n, n), E=9.94-16.91 MeV; ^{124}Sn(n, n), E=11.0-24.0 MeV; ^{208}Pb(n, n), E=4.0-185.0 MeV; ^{50}Ti(p, p), E=6.0-65.0 MeV; ^{52}Cr(p, p), E=10.77-39.9 MeV; ^{54}Fe, ^{64}Ni(p, p), E=9.69-65.0 MeV; ^{58}Ni(p, p), E=7.0-192.0 MeV; ^{60}Ni(p, p), E=7.0-178.0 MeV; ^{62}Ni(p, p), E=8.02-156.0 MeV; ^{90}Zr(p, p), E=5.57-185.0 MeV; ^{92}Mo(p, p), E=12.5-49.45 MeV; ^{114}Sn(p, p), E=30.4 MeV; ^{116}Sn(p, p), E=16.0-61.4 MeV; ^{118,122,124}Sn(p, p), E=16.0-49.35 MeV; ^{120}Sn(p, p), E=9.8-156.0 MeV; ^{208}Pb(p, p), E=9.0-200.0 MeV; analyzed total cross sections, σ(E, θ), single-particle levels, spectroscopic factors, occupation probabilities, mass dependence on cross section. Dispersal optical model (DOM) analysis. JOUR PRVCA 83 064605
^{54}Co	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{54}Zn	2011AS08	RADIOACTIVITY ^{54}Zn(2p) [from Ni(^{58}Ni, X), E=75.5 MeV / nucleon]; measured decay products, proton spectra; deduced branching ratio, total decay energy, angular and energy correlations, $T_{1/2}$. Comparison with theoretical calculations. JOUR PRLTA 107 102502

A=55

^{55}V	2011DE20	NUCLEAR REACTIONS ^{9}Be(^{48}Ca, np)^{55}V, (^{48}Ca, 2n)^{55}Cr, E=172 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin, $\gamma(\theta)$, DCO using Gammasphere Array. ^{55}V, ^{55}Cr; deduced levels, J, π, high-spin levels, configurations, multipolarities, alignments. Comparison with shell-model, and the projected shell model calculations. JOUR PRVCA 83 064305
^{55}Cr	2011DE20	NUCLEAR REACTIONS ^{9}Be(^{48}Ca, np)^{55}V, (^{48}Ca, 2n)^{55}Cr, E=172 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin, $\gamma(\theta)$, DCO using Gammasphere Array. ^{55}V, ^{55}Cr; deduced levels, J, π, high-spin levels, configurations, multipolarities, alignments. Comparison with shell-model, and the projected shell model calculations. JOUR PRVCA 83 064305

A=56

^{56}Mn	2011DI09	NUCLEAR REACTIONS Ti(d, X)^{48}V, ^{27}Al(d, X)^{22}Na / ^{24}Na, ^{55}Mn(d, p), ^{55}Mn(d, X)^{54}Mn / ^{52}Mn / ^{51}Cr, E<40 MeV; measured reaction products, Eγ, Iγ; deduced production σ, thick target yields. Comparison with ALICE-IPPE and EMPIRE-II calculations. JOUR NIMBE 269 1878
^{56}Fe	2011WAZZ	NUCLEAR REACTIONS ^{56}Fe(n, n'), E≈1000-6000 keV; measured En, In, Eγ, nγ-coin; deduced σ gated by 847 keV state in ^{56}Fe. Compared with ENDFB-VII and Perey data. CONF Dubna(ISINN-18),P127,Wagner

A=57

No references found

A=58

^{58}Ni	2011MU10	NUCLEAR REACTIONS ^{40,48}Ca(n, n), E=11.9, 16.9 MeV; measured E(n), I(n), σ, σ(E, θ), time-of-flight spectra. ^{40}Ca(n, n), E=9.9-85.0; ^{48}Ca(n, n), E=7.97-16.9 MeV; ^{54}Ca(n, n), E=5.5-26.0 MeV; ^{58,60}Ni(n, n), E=4.5-24.0 MeV; ^{92}Mo(n, n), E=7.0-30.4 MeV; ^{116,118}Sn(n, n), E=9.95-24.0 MeV; ^{120}Sn(n, n), E=9.94-16.91 MeV; ^{124}Sn(n, n), E=11.0-24.0 MeV; ^{208}Pb(n, n), E=4.0-185.0 MeV; ^{50}Ti(p, p), E=6.0-65.0 MeV; ^{52}Cr(p, p), E=10.77-39.9 MeV; ^{54}Fe, ^{64}Ni(p, p), E=9.69-65.0 MeV; ^{58}Ni(p, p), E=7.0-192.0 MeV; ^{60}Ni(p, p), E=7.0-178.0 MeV; ^{62}Ni(p, p), E=8.02-156.0 MeV; ^{90}Zr(p, p), E=5.57-185.0 MeV; ^{92}Mo(p, p), E=12.5-49.45 MeV; ^{114}Sn(p, p), E=30.4 MeV; ^{116}Sn(p, p), E=16.0-61.4 MeV; ^{118,122,124}Sn(p, p), E=16.0-49.35 MeV; ^{120}Sn(p, p), E=9.8-156.0 MeV; ^{208}Pb(p, p), E=9.0-200.0 MeV; analyzed total cross sections, σ(E, θ), single-particle levels, spectroscopic factors, occupation probabilities, mass dependence on cross section. Dispersal optical model (DOM) analysis. JOUR PRVCA 83 064605

A=58 *(continued)*

^{58}Cu	2011VI03	NUCLEAR MOMENTS ^{58,59,60,61,62}Cu; measured hyperfine spectrum; deduced ground state nuclear moments, g factors, quadrupole moments, ground-state hyperfine parameters. Comparison with large-scale shell model calculations, GXPF1A effective interaction. JOUR PYLBB 703 34

A=59

^{59}Cu	2011VI03	NUCLEAR MOMENTS ^{58,59,60,61,62}Cu; measured hyperfine spectrum; deduced ground state nuclear moments, g factors, quadrupole moments, ground-state hyperfine parameters. Comparison with large-scale shell model calculations, GXPF1A effective interaction. JOUR PYLBB 703 34

A=60

^{60}Ca	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{60}Sc	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{60}Ti	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{60}V	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade

A=60 ***(continued)***

^{60}Cr	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{60}Mn	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{60}Fe	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{60}Co	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{60}Ni	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade

A=60 *(continued)*

	2011MU10	NUCLEAR REACTIONS ^{40,48}Ca(n, n), E=11.9, 16.9 MeV; measured E(n), I(n), σ, σ(E, θ), time-of-flight spectra. ^{40}Ca(n, n), E=9.9-85.0; ^{48}Ca(n, n), E=7.97-16.9 MeV; ^{54}Ca(n, n), E=5.5-26.0 MeV; ^{58,60}Ni(n, n), E=4.5-24.0 MeV; ^{92}Mo(n, n), E=7.0-30.4 MeV; ^{116,118}Sn(n, n), E=9.95-24.0 MeV; ^{120}Sn(n, n), E=9.94-16.91 MeV; ^{124}Sn(n, n), E=11.0-24.0 MeV; ^{208}Pb(n, n), E=4.0-185.0 MeV; ^{50}Ti(p, p), E=6.0-65.0 MeV; ^{52}Cr(p, p), E=10.77-39.9 MeV; ^{54}Fe, ^{64}Ni(p, p), E=9.69-65.0 MeV; ^{58}Ni(p, p), E=7.0-192.0 MeV; ^{60}Ni(p, p), E=7.0-178.0 MeV; ^{62}Ni(p, p), E=8.02-156.0 MeV; ^{90}Zr(p, p), E=5.57-185.0 MeV; ^{92}Mo(p, p), E=12.5-49.45 MeV; ^{114}Sn(p, p), E=30.4 MeV; ^{116}Sn(p, p), E=16.0-61.4 MeV; ^{118,122,124}Sn(p, p), E=16.0-49.35 MeV; ^{120}Sn(p, p), E=9.8-156.0 MeV; ^{208}Pb(p, p), E=9.0-200.0 MeV; analyzed total cross sections, σ(E, θ), single-particle levels, spectroscopic factors, occupation probabilities, mass dependence on cross section. Dispersal optical model (DOM) analysis. JOUR PRVCA 83 064605
^{60}Cu	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
	2011VI03	NUCLEAR MOMENTS ^{58,59,60,61,62}Cu; measured hyperfine spectrum; deduced ground state nuclear moments, g factors, quadrupole moments, ground-state hyperfine parameters. Comparison with large-scale shell model calculations, GXPF1A effective interaction. JOUR PYLBB 703 34

A=61

^{61}Fe	2010GIZY	NUCLEAR REACTIONS ^{2}H(^{60}Fe, p), E=27 MeV / nucleon; measured E(particle), I(particle), Eγ, Iγ. ^{61}Fe deduced resonances. CONF Heidelberg (NIC XI) Proc,P190,Giron
^{61}Ni	2011GLZZ	NUCLEAR REACTIONS ^{64}Zn(n, α), E=2.5, 4.0, 5.0, 5.5, 6.0 MeV; ^{67}Zn(n, α), E=4.0, 5.0, 6.0 MeV; measured Eα, Iα(θ); deduced σ, σ(θ) to specified group of states. Comparison with JEF-2.2, JEFF-3.1 / A, ROSFOND, TENDL-2009, JENDL / HE-2007and other data. CONF Dubna(ISINN-18),P143,Gledenov
^{61}Cu	2011TH03	NUCLEAR REACTIONS ^{64}Zn(p, α), E=13-16 MeV; measured reaction products; deduced possibility for production of ^{61}Cu. JOUR JLCRD 54 S237
	2011VI03	NUCLEAR MOMENTS ^{58,59,60,61,62}Cu; measured hyperfine spectrum; deduced ground state nuclear moments, g factors, quadrupole moments, ground-state hyperfine parameters. Comparison with large-scale shell model calculations, GXPF1A effective interaction. JOUR PYLBB 703 34

A=62

^{62}Ni	2011MU10	NUCLEAR REACTIONS ^{40,48}Ca(n, n), E=11.9, 16.9 MeV; measured E(n), I(n), σ, σ(E, θ), time-of-flight spectra. ^{40}Ca(n, n), E=9.9-85.0; ^{48}Ca(n, n), E=7.97-16.9 MeV; ^{54}Ca(n, n), E=5.5-26.0 MeV; ^{58,60}Ni(n, n), E=4.5-24.0 MeV; ^{92}Mo(n, n), E=7.0-30.4 MeV; ^{116,118}Sn(n, n), E=9.95-24.0 MeV; ^{120}Sn(n, n), E=9.94-16.91 MeV; ^{124}Sn(n, n), E=11.0-24.0 MeV; ^{208}Pb(n, n), E=4.0-185.0 MeV; ^{50}Ti(p, p), E=6.0-65.0 MeV; ^{52}Cr(p, p), E=10.77-39.9 MeV; ^{54}Fe, ^{64}Ni(p, p), E=9.69-65.0 MeV; ^{58}Ni(p, p), E=7.0-192.0 MeV; ^{60}Ni(p, p), E=7.0-178.0 MeV; ^{62}Ni(p, p), E=8.02-156.0 MeV; ^{90}Zr(p, p), E=5.57-185.0 MeV; ^{92}Mo(p, p), E=12.5-49.45 MeV; ^{114}Sn(p, p), E=30.4 MeV; ^{116}Sn(p, p), E=16.0-61.4 MeV; ^{118,122,124}Sn(p, p), E=16.0-49.35 MeV; ^{120}Sn(p, p), E=9.8-156.0 MeV; ^{208}Pb(p, p), E=9.0-200.0 MeV; analyzed total cross sections, σ(E, θ), single-particle levels, spectroscopic factors, occupation probabilities, mass dependence on cross section. Dispersal optical model (DOM) analysis. JOUR PRVCA 83 064605
^{62}Cu	2011VI03	NUCLEAR MOMENTS ^{58,59,60,61,62}Cu; measured hyperfine spectrum; deduced ground state nuclear moments, g factors, quadrupole moments, ground-state hyperfine parameters. Comparison with large-scale shell model calculations, GXPF1A effective interaction. JOUR PYLBB 703 34
^{62}Zn	2011CH33	NUCLEAR REACTIONS Mo(d, X)^{99}Mo, ^{100}Mo(p, X)^{99}Mo, Cu(p, X)^{62}Zn / ^{65}Zn E=9.7-58.5 MeV; measured reaction products, Eγ, Iγ; deduced σ, thick target yields. JOUR ARISE 69 1447
	2011SI17	NUCLEAR REACTIONS Cu(d, X)^{64}Cu, E=1.5-19.88 MeV; ^{63}Cu(d, 2n)^{63}Zn, E=4.56-19.49 MeV; ^{63}Cu(d, 3n)^{62}Zn, E=16.44-19.88 MeV; ^{65}Cu(d, p)^{66}Cu, E=4.56-19.49 MeV; ^{65}Cu(d, 2n)^{65}Zn, E=4.25-19.88 MeV; ^{65}Cu(d, 2p)^{65}Ni, E=11.36-19.88 MeV; measured Eγ, Iγ, σ(E), activation method. Comparison with previous experimental data, and with evaluated data files. Cu(d, d), E=11.8, 15, 21.6 MeV; ^{63,65}Cu(d, d), E=12, 34.4 MeV; analyzed $\sigma(\theta)$ data; Cu(d, d), ^{63,65}Cu(d, d), E<60 MeV; analyzed σ(E) data; deduced optical potential model parameters for reaction cross sections. Deuteron breakup mechanism, and direct reaction stripping discussed. JOUR PRVCA 84 014605

A=63

^{63}Co	2011DI08	NUCLEAR REACTIONS ^{64}Ni(^{238}U, X), E=6.5 MeV / nucleon; measured particle spectra, Eγ, Iγ, $\gamma\gamma$-coin, half-lives by recoil distance Doppler shift and the differential decay curve methods with a plunger device EXOGAM array. ^{63,65}Co; deduced levels, J, π, B(E2). Systematics of excitation energies and B(E2) values in the even-N Fe, Co, and Ni nuclides. Comparison with large-scale shell model calculations in the pf and pfg$_{9/2}$ valence space. JOUR PRVCA 83 064321

A=63 *(continued)*

^{63}Ni	2010DIZW	NUCLEAR REACTIONS ^{64}Ni(γ, n), E=10.3, 11.5, 13.4 MeV (bremsstrahlung endpoint energy); measured reaction products using AMS (Accelarator Mass Spectrometry); deduced yields; calculated yields using TALYS 1.2, NON-SMOKER. Results not given for E=10.3 MeV. CONF Heidelberg (NIC XI) Proc,P49,Dillmann
	2010LEZW	NUCLEAR REACTIONS ^{62}Ni(n, γ), E=1-10000 eV; measured En, In, Eγ, Ig using n_TOF; deduced yield. Comparison with JENDL-4.0, ENDF / B-VII. CONF Heidelberg (NIC XI) Proc,P48,Lederer
^{63}Cu	2011SI17	NUCLEAR REACTIONS Cu(d, X)^{64}Cu, E=1.5-19.88 MeV; ^{63}Cu(d, 2n)^{63}Zn, E=4.56-19.49 MeV; ^{63}Cu(d, 3n)^{62}Zn, E=16.44-19.88 MeV; ^{65}Cu(d, p)^{66}Cu, E=4.56-19.49 MeV; ^{65}Cu(d, 2n)^{65}Zn, E=4.25-19.88 MeV; ^{65}Cu(d, 2p)^{65}Ni, E=11.36-19.88 MeV; measured Eγ, Iγ, σ(E), activation method. Comparison with previous experimental data, and with evaluated data files. Cu(d, d), E=11.8, 15, 21.6 MeV; ^{63,65}Cu(d, d), E=12, 34.4 MeV; analyzed $\sigma(\theta)$ data; Cu(d, d), ^{63,65}Cu(d, d), E<60 MeV; analyzed σ(E) data; deduced optical potential model parameters for reaction cross sections. Deuteron breakup mechanism, and direct reaction stripping discussed. JOUR PRVCA 84 014605
^{63}Zn	2011SI17	NUCLEAR REACTIONS Cu(d, X)^{64}Cu, E=1.5-19.88 MeV; ^{63}Cu(d, 2n)^{63}Zn, E=4.56-19.49 MeV; ^{63}Cu(d, 3n)^{62}Zn, E=16.44-19.88 MeV; ^{65}Cu(d, p)^{66}Cu, E=4.56-19.49 MeV; ^{65}Cu(d, 2n)^{65}Zn, E=4.25-19.88 MeV; ^{65}Cu(d, 2p)^{65}Ni, E=11.36-19.88 MeV; measured Eγ, Iγ, σ(E), activation method. Comparison with previous experimental data, and with evaluated data files. Cu(d, d), E=11.8, 15, 21.6 MeV; ^{63,65}Cu(d, d), E=12, 34.4 MeV; analyzed $\sigma(\theta)$ data; Cu(d, d), ^{63,65}Cu(d, d), E<60 MeV; analyzed σ(E) data; deduced optical potential model parameters for reaction cross sections. Deuteron breakup mechanism, and direct reaction stripping discussed. JOUR PRVCA 84 014605

A=64

^{64}Ni	2011GLZZ	NUCLEAR REACTIONS ^{64}Zn(n, α), E=2.5, 4.0, 5.0, 5.5, 6.0 MeV; ^{67}Zn(n, α), E=4.0, 5.0, 6.0 MeV; measured Eα, I$\alpha(\theta)$; deduced σ, $\sigma(\theta)$ to specified group of states. Comparison with JEF-2.2, JEFF-3.1 / A, ROSFOND, TENDL-2009, JENDL / HE-2007and other data. CONF Dubna(ISINN-18),P143,Gledenov

A=64 *(continued)*

	2011MU10	NUCLEAR REACTIONS ^{40,48}Ca(n, n), E=11.9, 16.9 MeV; measured E(n), I(n), σ, σ(E, θ), time-of-flight spectra. ^{40}Ca(n, n), E=9.9-85.0; ^{48}Ca(n, n), E=7.97-16.9 MeV; ^{54}Ca(n, n), E=5.5-26.0 MeV; ^{58,60}Ni(n, n), E=4.5-24.0 MeV; ^{92}Mo(n, n), E=7.0-30.4 MeV; ^{116,118}Sn(n, n), E=9.95-24.0 MeV; ^{120}Sn(n, n), E=9.94-16.91 MeV; ^{124}Sn(n, n), E=11.0-24.0 MeV; ^{208}Pb(n, n), E=4.0-185.0 MeV; ^{50}Ti(p, p), E=6.0-65.0 MeV; ^{52}Cr(p, p), E=10.77-39.9 MeV; ^{54}Fe, ^{64}Ni(p, p), E=9.69-65.0 MeV; ^{58}Ni(p, p), E=7.0-192.0 MeV; ^{60}Ni(p, p), E=7.0-178.0 MeV; ^{62}Ni(p, p), E=8.02-156.0 MeV; ^{90}Zr(p, p), E=5.57-185.0 MeV; ^{92}Mo(p, p), E=12.5-49.45 MeV; ^{114}Sn(p, p), E=30.4 MeV; ^{116}Sn(p, p), E=16.0-61.4 MeV; ^{118,122,124}Sn(p, p), E=16.0-49.35 MeV; ^{120}Sn(p, p), E=9.8-156.0 MeV; ^{208}Pb(p, p), E=9.0-200.0 MeV; analyzed total cross sections, σ(E, θ), single-particle levels, spectroscopic factors, occupation probabilities, mass dependence on cross section. Dispersal optical model (DOM) analysis. JOUR PRVCA 83 064605
^{64}Cu	2011EL06	NUCLEAR REACTIONS ^{64}Ni(p, n), E not given; measured reaction products; deduced effective method for production of ^{64}Cu. JOUR JLCRD 54 S244
	2011SI17	NUCLEAR REACTIONS Cu(d, X)^{64}Cu, E=1.5-19.88 MeV; ^{63}Cu(d, 2n)^{63}Zn, E=4.56-19.49 MeV; ^{63}Cu(d, 3n)^{62}Zn, E=16.44-19.88 MeV; ^{65}Cu(d, p)^{66}Cu, E=4.56-19.49 MeV; ^{65}Cu(d, 2n)^{65}Zn, E=4.25-19.88 MeV; ^{65}Cu(d, 2p)^{65}Ni, E=11.36-19.88 MeV; measured Eγ, Iγ, σ(E), activation method. Comparison with previous experimental data, and with evaluated data files. Cu(d, d), E=11.8, 15, 21.6 MeV; ^{63,65}Cu(d, d), E=12, 34.4 MeV; analyzed $\sigma(\theta)$ data; Cu(d, d), ^{63,65}Cu(d, d), E<60 MeV; analyzed σ(E) data; deduced optical potential model parameters for reaction cross sections. Deuteron breakup mechanism, and direct reaction stripping discussed. JOUR PRVCA 84 014605
^{64}Zn	2010BEZO	RADIOACTIVITY ^{64,70}Zn, ^{180,186}W(2β); measured Eγ, Iγ; deduced $T_{1/2}$ limits. $ZnWO_4$ samples, Gran Sasso. CONF Frascati(Nuclear Physics in Astrophysics IV 2009), P012038
^{64}Ge	2011ROZZ	RADIOACTIVITY ^{69}Br, ^{65}As(p) [from ^{69}Kr, ^{65}As(β^+)]; measured decay products, Eγ, Iγ; deduced $T_{1/2}$, isobar analogue states. PC A M Rogers,7/29/2011

A=65

^{65}Co	2011DI08	NUCLEAR REACTIONS ^{64}Ni(^{238}U, X), E=6.5 MeV / nucleon; measured particle spectra, Eγ, Iγ, $\gamma\gamma$-coin, half-lives by recoil distance Doppler shift and the differential decay curve methods with a plunger device EXOGAM array. ^{63,65}Co; deduced levels, J, π, B(E2). Systematics of excitation energies and B(E2) values in the even-N Fe, Co, and Ni nuclides. Comparison with large-scale shell model calculations in the pf and $pfg_{9/2}$ valence space. JOUR PRVCA 83 064321

A=65 *(continued)*

^{65}Ni	2011SI17	NUCLEAR REACTIONS Cu(d, X)^{64}Cu, E=1.5-19.88 MeV; ^{63}Cu(d, 2n)^{63}Zn, E=4.56-19.49 MeV; ^{63}Cu(d, 3n)^{62}Zn, E=16.44-19.88 MeV; ^{65}Cu(d, p)^{66}Cu, E=4.56-19.49 MeV; ^{65}Cu(d, 2n)^{65}Zn, E=4.25-19.88 MeV; ^{65}Cu(d, 2p)^{65}Ni, E=11.36-19.88 MeV; measured Eγ, Iγ, σ(E), activation method. Comparison with previous experimental data, and with evaluated data files. Cu(d, d), E=11.8, 15, 21.6 MeV; ^{63,65}Cu(d, d), E=12, 34.4 MeV; analyzed $\sigma(\theta)$ data; Cu(d, d), ^{63,65}Cu(d, d), E<60 MeV; analyzed σ(E) data; deduced optical potential model parameters for reaction cross sections. Deuteron breakup mechanism, and direct reaction stripping discussed. JOUR PRVCA 84 014605
^{65}Cu	2011SI17	NUCLEAR REACTIONS Cu(d, X)^{64}Cu, E=1.5-19.88 MeV; ^{63}Cu(d, 2n)^{63}Zn, E=4.56-19.49 MeV; ^{63}Cu(d, 3n)^{62}Zn, E=16.44-19.88 MeV; ^{65}Cu(d, p)^{66}Cu, E=4.56-19.49 MeV; ^{65}Cu(d, 2n)^{65}Zn, E=4.25-19.88 MeV; ^{65}Cu(d, 2p)^{65}Ni, E=11.36-19.88 MeV; measured Eγ, Iγ, σ(E), activation method. Comparison with previous experimental data, and with evaluated data files. Cu(d, d), E=11.8, 15, 21.6 MeV; ^{63,65}Cu(d, d), E=12, 34.4 MeV; analyzed $\sigma(\theta)$ data; Cu(d, d), ^{63,65}Cu(d, d), E<60 MeV; analyzed σ(E) data; deduced optical potential model parameters for reaction cross sections. Deuteron breakup mechanism, and direct reaction stripping discussed. JOUR PRVCA 84 014605
^{65}Zn	2011CH33	NUCLEAR REACTIONS Mo(d, X)^{99}Mo, ^{100}Mo(p, X)^{99}Mo, Cu(p, X)^{62}Zn / ^{65}Zn E=9.7-58.5 MeV; measured reaction products, Eγ, Iγ; deduced σ, thick target yields. JOUR ARISE 69 1447
	2011SI17	NUCLEAR REACTIONS Cu(d, X)^{64}Cu, E=1.5-19.88 MeV; ^{63}Cu(d, 2n)^{63}Zn, E=4.56-19.49 MeV; ^{63}Cu(d, 3n)^{62}Zn, E=16.44-19.88 MeV; ^{65}Cu(d, p)^{66}Cu, E=4.56-19.49 MeV; ^{65}Cu(d, 2n)^{65}Zn, E=4.25-19.88 MeV; ^{65}Cu(d, 2p)^{65}Ni, E=11.36-19.88 MeV; measured Eγ, Iγ, σ(E), activation method. Comparison with previous experimental data, and with evaluated data files. Cu(d, d), E=11.8, 15, 21.6 MeV; ^{63,65}Cu(d, d), E=12, 34.4 MeV; analyzed $\sigma(\theta)$ data; Cu(d, d), ^{63,65}Cu(d, d), E<60 MeV; analyzed σ(E) data; deduced optical potential model parameters for reaction cross sections. Deuteron breakup mechanism, and direct reaction stripping discussed. JOUR PRVCA 84 014605
^{65}As	2011ROZZ	RADIOACTIVITY ^{69}Br, ^{65}As(p) [from ^{69}Kr, ^{65}As(β^+)]; measured decay products, Eγ, Iγ; deduced $T_{1/2}$, isobar analogue states. PC A M Rogers,7/29/2011

A=66

^{66}Ti	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade

A=66 ***(continued)***

^{66}V	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{66}Cr	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{66}Mn	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{66}Fe	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{66}Co	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{66}Ni	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{66}Cu	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade

A=66 *(continued)*

	2011SI17	NUCLEAR REACTIONS Cu(d, X)^{64}Cu, E=1.5-19.88 MeV; ^{63}Cu(d, 2n)^{63}Zn, E=4.56-19.49 MeV; ^{63}Cu(d, 3n)^{62}Zn, E=16.44-19.88 MeV; ^{65}Cu(d, p)^{66}Cu, E=4.56-19.49 MeV; ^{65}Cu(d, 2n)^{65}Zn, E=4.25-19.88 MeV; ^{65}Cu(d, 2p)^{65}Ni, E=11.36-19.88 MeV; measured Eγ, Iγ, σ(E), activation method. Comparison with previous experimental data, and with evaluated data files. Cu(d, d), E=11.8, 15, 21.6 MeV; ^{63,65}Cu(d, d), E=12, 34.4 MeV; analyzed $\sigma(\theta)$ data; Cu(d, d), ^{63,65}Cu(d, d), E<60 MeV; analyzed σ(E) data; deduced optical potential model parameters for reaction cross sections. Deuteron breakup mechanism, and direct reaction stripping discussed. JOUR PRVCA 84 014605
^{66}Zn	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{66}Ga	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{66}As	2011AG15	NUCLEAR REACTIONS ^{58}Ni(^{8}B, X)^{66}As, E=22.4-26.9 MeV; measured reaction products, proton spectra; deduced fusion σ, fusion and breakup yields. JOUR PRLTA 107 092701

A=67

No references found

A=68

^{68}Ti	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade

A=68 ***(continued)***

^{68}V	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{68}Cr	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{68}Mn	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{68}Fe	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{68}Co	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{68}Ni	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{68}Cu	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade

A=68 *(continued)*

^{68}Zn	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{68}Ga	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
	2011FL05	NUCLEAR REACTIONS ^{68}Zn(p, n), E=7 MeV; measured reaction products; deduced target yields, method feasibility. JOUR JLCRD 54 S249
^{68}Ge	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{68}Se	2011ROZZ	RADIOACTIVITY ^{69}Br, ^{65}As(p) [from ^{69}Kr, ^{65}As(β^+)]; measured decay products, Eγ, Iγ; deduced $T_{1/2}$, isobar analogue states. PC A M Rogers,7/29/2011

A=69

^{69}Br	2011ROZZ	RADIOACTIVITY ^{69}Br, ^{65}As(p) [from ^{69}Kr, ^{65}As(β^+)]; measured decay products, Eγ, Iγ; deduced $T_{1/2}$, isobar analogue states. PC A M Rogers,7/29/2011

A=70

^{70}V	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade

A=70 ***(continued)***

^{70}Cr	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{70}Mn	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{70}Fe	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{70}Co	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{70}Ni	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{70}Cu	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{70}Zn	2010BEZ0	RADIOACTIVITY ^{64,70}Zn, ^{180,186}W(2β); measured Eγ, Iγ; deduced $T_{1/2}$ limits. $ZnWO_4$ samples, Gran Sasso. CONF Frascati(Nuclear Physics in Astrophysics IV 2009), P012038

A=70 *(continued)*

	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{70}Ga	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{70}Ge	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{70}As	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade

A=71

^{71}Zn	2011UN01	NUCLEAR REACTIONS ^{181}Ta(^{16}O, X)^{71m}Zn / ^{75}Ge / ^{77}Kr / ^{85m}Y / , ^{86}Y / ^{88}Kr / ^{90m}Y / ^{91m}Y / ^{93}Y / ^{105}Ru / ^{105}In / ^{110}In / ^{110m}In / ^{111m}In / ^{113m}In / ^{117}Cd / ^{117}Sb / ^{121}Xe / ^{129}Sb / ^{132}La / ^{132}Ce / ^{132m}I / ^{137}Nd / ^{141m}Sm / ^{192}Tl / ^{192m}Tl / ^{193}Tl / ^{193m}Tl / ^{194}Tl / ^{194m}Tl / ^{191}Hg / ^{191m}Hg / ^{192}Hg / ^{193}Hg / ^{193m}Hg / ^{190}Au / ^{191}Au / ^{192}Au / , E=97, 100; measured Eγ, Iγ, recoil-catcher activation method, production σ, isotopic yields, mass distribution of fission fragments. Comparison of isotopic yields with data for ^{159}Tb+^{16}O, ^{159}Tm+^{16}O, ^{208}Pb+^{20}Ne, ^{232}Th+^{7}Li, ^{232}Th+^{11}B, ^{238}U+^{11}B, ^{238}U+^{22}Ne systems. JOUR PRVCA 84 014612

A=72

No references found

A=73

No references found

A=74

^{74}Cr	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{74}Mn	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{74}Fe	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{74}Co	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{74}Ni	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{74}Cu	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade

A=74 *(continued)*

^{74}Zn	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{74}Ga	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{74}Ge	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{74}As	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade
^{74}Se	2010ESZY	RADIOACTIVITY ^{54}Sc, ^{54}Ti, ^{66}Mn, ^{66}Fe, ^{70,74}Ni, ^{70,74}Cu(β^-); measured mass using TOF-Bρ; deduced EC Q-values. ^{54}Ar, ^{54}K, ^{54,60}Ca, ^{54,60}Sc, ^{54,60,66,68}Ti, ^{54,60,66,68,70}V, ^{54,60,66,68,70,74}Cr, ^{54,60,66,68,70,74}Mn, ^{54,60,66,68,68,70,74}Fe, ^{60,66,68,70,74}Co, ^{60,66,68,70,74}Ni, ^{66,68,70,74}Cu, ^{66,68,70,74}Zn, ^{68,70,74}Ga, ^{70,74}Ge, ^{74}As(β^-); calculated EC Q-values from experimental data, FRDM and HFB-14 models. CONF Heidelberg (NIC XI) Proc,P221,Estrade

A=75

^{75}Ge	2011UN01	NUCLEAR REACTIONS ^{181}Ta(^{16}O, X)^{71m}Zn / ^{75}Ge / ^{77}Kr / ^{85m}Y / , ^{86}Y / ^{88}Kr / ^{90m}Y / ^{91m}Y / ^{93}Y / ^{105}Ru / ^{105}In / ^{110}In / ^{110m}In / ^{111m}In / ^{113m}In / ^{117}Cd / ^{117}Sb / ^{121}Xe / ^{129}Sb / ^{132}La / ^{132}Ce / ^{132m}I / ^{137}Nd / ^{141m}Sm / ^{192}Tl / ^{192m}Tl / ^{193}Tl / ^{193m}Tl / ^{194}Tl / ^{194m}Tl / ^{191}Hg / ^{191m}Hg / ^{192}Hg / ^{193}Hg / ^{193m}Hg / ^{190}Au / ^{191}Au / ^{192}Au / , E=97, 100; measured Eγ, Iγ, recoil-catcher activation method, production σ, isotopic yields, mass distribution of fission fragments. Comparison of isotopic yields with data for ^{159}Tb+^{16}O, ^{159}Tm+^{16}O, ^{208}Pb+^{20}Ne, ^{232}Th+^{7}Li, ^{232}Th+^{11}B, ^{238}U+^{11}B, ^{238}U+^{22}Ne systems. JOUR PRVCA 84 014612

A=76

No references found

A=77

^{77}Kr	2011UN01	NUCLEAR REACTIONS ^{181}Ta(^{16}O, X)^{71m}Zn / ^{75}Ge / ^{77}Kr / ^{85m}Y / , ^{86}Y / ^{88}Kr / ^{90m}Y / ^{91m}Y / ^{93}Y / ^{105}Ru / ^{105}In / ^{110}In / ^{110m}In / ^{111m}In / ^{113m}In / ^{117}Cd / ^{117}Sb / ^{121}Xe / ^{129}Sb / ^{132}La / ^{132}Ce / ^{132m}I / ^{137}Nd / ^{141m}Sm / ^{192}Tl / ^{192m}Tl / ^{193}Tl / ^{193m}Tl / ^{194}Tl / ^{194m}Tl / ^{191}Hg / ^{191m}Hg / ^{192}Hg / ^{193}Hg / ^{193m}Hg / ^{190}Au / ^{191}Au / ^{192}Au / , E=97, 100; measured Eγ, Iγ, recoil-catcher activation method, production σ, isotopic yields, mass distribution of fission fragments. Comparison of isotopic yields with data for ^{159}Tb+^{16}O, ^{159}Tm+^{16}O, ^{208}Pb+^{20}Ne, ^{232}Th+^{7}Li, ^{232}Th+^{11}B, ^{238}U+^{11}B, ^{238}U+^{22}Ne systems. JOUR PRVCA 84 014612

A=78

No references found

A=79

^{79}Se	2010JIZZ	RADIOACTIVITY ^{79}Se(β^-); measured $T_{1/2}$ using AMS (Accelerator Mass Spectrometry) and LSC (Liquid Scintillation Counting). CONF Tsukuba(Nuclear Physics Trends) Proc.P144,Jiang
^{79}Br	2010JIZZ	RADIOACTIVITY ^{79}Se(β^-); measured $T_{1/2}$ using AMS (Accelerator Mass Spectrometry) and LSC (Liquid Scintillation Counting). CONF Tsukuba(Nuclear Physics Trends) Proc.P144,Jiang

A=80

^{80}Se	2011AD14	NUCLEAR REACTIONS ^{48}Ti, ^{52}Cr, ^{80}Se(n, nγ), E=thermal; measured Eγ, Iγ. ^{48}Ti, ^{52}Cr, ^{80}Se; deduced level energies, lifetime, $T_{1/2}$. Doppler Shift Attenuation method (DSA). JOUR BRSPE 75 914
^{80}Br	2011WA21	NUCLEAR REACTIONS ^{76}Ge(^{11}B, 3nα), (^{7}Li, 3n), E=54 MeV; measured reaction products, Eγ, Iγ, γ-γ-coin.; deduced new band on the top of yrast, B(M1) / B(E2), quadrupole deformation parameters, angular momentum. JOUR PYLBB 703 40

A=81

No references found

A=82

No references found

A=83

No references found

A=84

^{84}Rb	2011ZH26	NUCLEAR REACTIONS ^{85,87}Rb, ^{89}Y, ^{140,142}Ce, ^{169}Tm, ^{175}Lu, ^{181}Ta, ^{185}Re, ^{238}U(n, 2n), E=14 MeV; measured reaction products, Eγ, Iγ; deduced σ. Comparison with ENDF / B-VII.0 evaluated nuclear data library. JOUR NSENA 169 188

A=85

^{85}Kr	2011AD18	NUCLEAR REACTIONS ^{232}Th, U(n, f), (n, γ), (n, 2n), E=1.E-10-1.E3 MeV; measured reaction products, Eγ, Iγ. ^{85m}Kr, ^{93}Y, ^{97}Zr, ^{99}Mo, ^{103}Ru, ^{105}Rh, ^{132}Te, ^{131,133}I, ^{133,135}Xe, ^{140}Ba, ^{141,143}Ce, ^{231}Th, ^{233}Pa, ^{237}U, ^{239}Np deduced reaction rates, $T_{1/2}$. ^{232}Th, U(n, 2n), E=10-2000 MeV; calculated σ using TALYS. ^{232}Th(n, f), E=400 keV, 14, 25, 50, 100, 200 MeV; measured fission products, deduced mass distribution; calculated mass distribution at two lowest energies using TALYS. Neutron flux calculated using MCNPX with LA150 cross section library. JOUR ZAANE 47 85
^{85}Sr	2010KUZS	NUCLEAR REACTIONS ^{76}Ge(^{13}C, 4n), E=52 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin; deduced levels, J, π, γ-transitions, high-spin states, DCO ratios, angular momentum of individual states. CONF Sinaia (Exotic Nucei and Nuc.Part.Astroph.III)Proc.P374,Kumar
^{85}Y	2011UN01	NUCLEAR REACTIONS ^{181}Ta(^{16}O, X)^{71m}Zn / ^{75}Ge / ^{77}Kr / ^{85m}Y / , ^{86}Y / ^{88}Kr / ^{90m}Y / ^{91m}Y / ^{93}Y / ^{105}Ru / ^{105}In / ^{110}In / ^{110m}In / ^{111m}In / ^{113m}In / ^{117}Cd / ^{117}Sb / ^{121}Xe / ^{129}Sb / ^{132}La / ^{132}Ce / ^{132m}I / ^{137}Nd / ^{141m}Sm / ^{192}Tl / ^{192m}Tl / ^{193}Tl / ^{193m}Tl / ^{194}Tl / ^{194m}Tl / ^{191}Hg / ^{191m}Hg / ^{192}Hg / ^{193}Hg / ^{193m}Hg / ^{190}Au / ^{191}Au / ^{192}Au / , E=97, 100; measured Eγ, Iγ, recoil-catcher activation method, production σ, isotopic yields, mass distribution of fission fragments. Comparison of isotopic yields with data for ^{159}Tb+^{16}O, ^{159}Tm+^{16}O, ^{208}Pb+^{20}Ne, ^{232}Th+^{7}Li, ^{232}Th+^{11}B, ^{238}U+^{11}B, ^{238}U+^{22}Ne systems. JOUR PRVCA 84 014612

A=86

^{86}Se	2011LI34	RADIOACTIVITY ^{252}Cf(SF); measured decay products, Eγ, Iγ, γ-γ-γ-coin. ^{88,90,92}Kr, ^{86}Se; deduced level schemes, energies, J, π. Comparison with nuclear systematics and angular correlation measurements. JOUR IMPEE 20 1825

A=86 *(continued)*

^{86}Rb	2011ZH26	NUCLEAR REACTIONS ^{85,87}Rb, ^{89}Y, ^{140,142}Ce, ^{169}Tm, ^{175}Lu, ^{181}Ta, ^{185}Re, ^{238}U(n, 2n), E=14 MeV; measured reaction products, Eγ, Iγ; deduced σ. Comparison with ENDF / B-VII.0 evaluated nuclear data library. JOUR NSENA 169 188
^{86}Y	2011BE28	NUCLEAR REACTIONS ^{90}Zr(γ, 2np), (γ, 3np), ^{91}Zr(γ, 3np), (γ, 4np), E<84 MeV; measured Eγ, Iγ; deduced yields, isomeric ratios. Comparison with TALYS code calculations. JOUR BRSPE 75 937
	2011ME10	NUCLEAR REACTIONS ^{88}Sr(p, 2n), ^{86}Sr(p, n), E=16.6-45.5 MeV; measured reaction products, Eγ, Iγ; deduced yields. JOUR JLCRD 54 S236

A=87

^{87}Y	2011BE28	NUCLEAR REACTIONS ^{90}Zr(γ, 2np), (γ, 3np), ^{91}Zr(γ, 3np), (γ, 4np), E<84 MeV; measured Eγ, Iγ; deduced yields, isomeric ratios. Comparison with TALYS code calculations. JOUR BRSPE 75 937
	2011ME10	NUCLEAR REACTIONS ^{88}Sr(p, 2n), ^{86}Sr(p, n), E=16.6-45.5 MeV; measured reaction products, Eγ, Iγ; deduced yields. JOUR JLCRD 54 S236

A=88

^{88}Kr	2011LI34	RADIOACTIVITY ^{252}Cf(SF); measured decay products, Eγ, Iγ, γ-γ-γ-coin. ^{88,90,92}Kr, ^{86}Se; deduced level schemes, energies, J, π. Comparison with nuclear systematics and angular correlation measurements. JOUR IMPEE 20 1825
^{88}Y	2011ZH26	NUCLEAR REACTIONS ^{85,87}Rb, ^{89}Y, ^{140,142}Ce, ^{169}Tm, ^{175}Lu, ^{181}Ta, ^{185}Re, ^{238}U(n, 2n), E=14 MeV; measured reaction products, Eγ, Iγ; deduced σ. Comparison with ENDF / B-VII.0 evaluated nuclear data library. JOUR NSENA 169 188

A=89

^{89}Zr	2011CI05	NUCLEAR REACTIONS ^{89}Y(p, n), E=16.5 MeV; measured reaction products, Eγ, Iγ; deduced yield. Chemical separation and purification studies. JOUR RAACA 99 631
	2011DE25	NUCLEAR REACTIONS ^{89}Y(p, n), E=13 MeV; measured reaction products; deduced yields, feasibility for ^{89}Zr production. JOUR JLCRD 54 S248

A=90

^{90}Kr	2011LI34	RADIOACTIVITY ^{252}Cf(SF); measured decay products, Eγ, Iγ, γ-γ-γ-coin. ^{88,90,92}Kr, ^{86}Se; deduced level schemes, energies, J, π. Comparison with nuclear systematics and angular correlation measurements. JOUR IMPEE 20 1825
^{90}Zr	2011MU10	NUCLEAR REACTIONS ^{40,48}Ca(n, n), E=11.9, 16.9 MeV; measured E(n), I(n), σ, σ(E, θ), time-of-flight spectra. ^{40}Ca(n, n), E=9.9-85.0; ^{48}Ca(n, n), E=7.97-16.9 MeV; ^{54}Ca(n, n), E=5.5-26.0 MeV; ^{58,60}Ni(n, n), E=4.5-24.0 MeV; ^{92}Mo(n, n), E=7.0-30.4 MeV; ^{116,118}Sn(n, n), E=9.95-24.0 MeV; ^{120}Sn(n, n), E=9.94-16.91 MeV; ^{124}Sn(n, n), E=11.0-24.0 MeV; ^{208}Pb(n, n), E=4.0-185.0 MeV; ^{50}Ti(p, p), E=6.0-65.0 MeV; ^{52}Cr(p, p), E=10.77-39.9 MeV; ^{54}Fe, ^{64}Ni(p, p), E=9.69-65.0 MeV; ^{58}Ni(p, p), E=7.0-192.0 MeV; ^{60}Ni(p, p), E=7.0-178.0 MeV; ^{62}Ni(p, p), E=8.02-156.0 MeV; ^{90}Zr(p, p), E=5.57-185.0 MeV; ^{92}Mo(p, p), E=12.5-49.45 MeV; ^{114}Sn(p, p), E=30.4 MeV; ^{116}Sn(p, p), E=16.0-61.4 MeV; ^{118,122,124}Sn(p, p), E=16.0-49.35 MeV; ^{120}Sn(p, p), E=9.8-156.0 MeV; ^{208}Pb(p, p), E=9.0-200.0 MeV; analyzed total cross sections, σ(E, θ), single-particle levels, spectroscopic factors, occupation probabilities, mass dependence on cross section. Dispersal optical model (DOM) analysis. JOUR PRVCA 83 064605

A=91

No references found

A=92

^{92}Kr	2011LI34	RADIOACTIVITY ^{252}Cf(SF); measured decay products, Eγ, Iγ, γ-γ-γ-coin. ^{88,90,92}Kr, ^{86}Se; deduced level schemes, energies, J, π. Comparison with nuclear systematics and angular correlation measurements. JOUR IMPEE 20 1825
^{92}Zr	2011LE23	RADIOACTIVITY ^{92}Mo(β^+EC); measured decay products, Eβ, Iβ; deduced $T_{1/2}$ limit. $CaMoO_4$ scintillator. JOUR NIMAE 654 157
^{92}Nb	2010JIZZ	NUCLEAR REACTIONS ^{93}Nb(n, 2n), ^{238}U(n, 3n), E=14 MeV; measured σ using AMS (Accelerator Mass Spectrometry). CONF Tsukuba(Nuclear Physics Trends) Proc.P144,Jiang
^{92}Mo	2011LE23	RADIOACTIVITY ^{92}Mo(β^+EC); measured decay products, Eβ, Iβ; deduced $T_{1/2}$ limit. $CaMoO_4$ scintillator. JOUR NIMAE 654 157

A=92 *(continued)*

2011MU10 NUCLEAR REACTIONS ^{40,48}Ca(n, n), E=11.9, 16.9 MeV; measured E(n), I(n), σ, σ(E, θ), time-of-flight spectra. ^{40}Ca(n, n), E=9.9-85.0; ^{48}Ca(n, n), E=7.97-16.9 MeV; ^{54}Ca(n, n), E=5.5-26.0 MeV; ^{58,60}Ni(n, n), E=4.5-24.0 MeV; ^{92}Mo(n, n), E=7.0-30.4 MeV; ^{116,118}Sn(n, n), E=9.95-24.0 MeV; ^{120}Sn(n, n), E=9.94-16.91 MeV; ^{124}Sn(n, n), E=11.0-24.0 MeV; ^{208}Pb(n, n), E=4.0-185.0 MeV; ^{50}Ti(p, p), E=6.0-65.0 MeV; ^{52}Cr(p, p), E=10.77-39.9 MeV; ^{54}Fe, ^{64}Ni(p, p), E=9.69-65.0 MeV; ^{58}Ni(p, p), E=7.0-192.0 MeV; ^{60}Ni(p, p), E=7.0-178.0 MeV; ^{62}Ni(p, p), E=8.02-156.0 MeV; ^{90}Zr(p, p), E=5.57-185.0 MeV; ^{92}Mo(p, p), E=12.5-49.45 MeV; ^{114}Sn(p, p), E=30.4 MeV; ^{116}Sn(p, p), E=16.0-61.4 MeV; ^{118,122,124}Sn(p, p), E=16.0-49.35 MeV; ^{120}Sn(p, p), E=9.8-156.0 MeV; ^{208}Pb(p, p), E=9.0-200.0 MeV; analyzed total cross sections, σ(E, θ), single-particle levels, spectroscopic factors, occupation probabilities, mass dependence on cross section. Dispersal optical model (DOM) analysis. JOUR PRVCA 83 064605

A=93

^{93}Y 2011AD18 NUCLEAR REACTIONS ^{232}Th, U(n, f), (n, γ), (n, 2n), E=1.E-10-1.E3 MeV; measured reaction products, Eγ, Iγ. ^{85m}Kr, ^{93}Y, ^{97}Zr, ^{99}Mo, ^{103}Ru, ^{105}Rh, ^{132}Te, ^{131,133}I, ^{133,135}Xe, ^{140}Ba, ^{141,143}Ce, ^{231}Th, ^{233}Pa, ^{237}U, ^{239}Np deduced reaction rates, $T_{1/2}$. ^{232}Th, U(n, 2n), E=10-2000 MeV; calculated σ using TALYS. ^{232}Th(n, f), E=400 keV, 14, 25, 50, 100, 200 MeV; measured fission products, deduced mass distribution; calculated mass distribution at two lowest energies using TALYS. Neutron flux calculated using MCNPX with LA150 cross section library. JOUR ZAANE 47 85

^{93}Tc 2010SAZM NUCLEAR REACTIONS ^{92}Mo(p, γ), E=2450-3500 keV; measured prompt Eγ, Iγ, $\gamma\gamma$-coin, activation Iβ; deduced σ using both methods; calculated σ using TALYS, NON-SMOKER. CONF Heidelberg (NIC XI) Proc,P244,Sauerwein

A=94

^{94}Tc 2011LE22 NUCLEAR REACTIONS ^{95,96,97,98,100}Mo(p, 2n), E=16-24 MeV; measured reaction products, Eγ, Iγ; deduced production rates, yields. JOUR JLCRD 54 S243

2011MO21 NUCLEAR REACTIONS ^{94}Mo(p, n), E=13 MeV; measured reaction products; deduced yields and activities. JOUR JLCRD 54 S245

A=95

^{95}Zr	2011TA17	NUCLEAR REACTIONS ^{94}Zr(n, γ), E=0.001-60 keV; measured E(n), I(n), capture yield using CERN n_TOF neutron source; deduced resonance parameters E_R, gamma and neutron widths, capture kernels; calculated Maxwellian-averaged capture cross sections. ^{95}Zr; deduced resonances, J, l-values, R-matrix analysis. Comparison with previous studies. Discussed astrophysical implications. JOUR PRVCA 84 015801
^{95}Tc	2011LE22	NUCLEAR REACTIONS ^{95,96,97,98,100}Mo(p, 2n), E=16-24 MeV; measured reaction products, Eγ, Iγ; deduced production rates, yields. JOUR JLCRD 54 S243

A=96

^{96}Tc	2011LE22	NUCLEAR REACTIONS ^{95,96,97,98,100}Mo(p, 2n), E=16-24 MeV; measured reaction products, Eγ, Iγ; deduced production rates, yields. JOUR JLCRD 54 S243

A=97

^{97}Zr	2011AD18	NUCLEAR REACTIONS ^{232}Th, U(n, f), (n, γ), (n, 2n), E=1.E-10-1.E3 MeV; measured reaction products, Eγ, Iγ. ^{85m}Kr, ^{93}Y, ^{97}Zr, ^{99}Mo, ^{103}Ru, ^{105}Rh, ^{132}Te, ^{131,133}I, ^{133,135}Xe, ^{140}Ba, ^{141,143}Ce, ^{231}Th, ^{233}Pa, ^{237}U, ^{239}Np deduced reaction rates, $T_{1/2}$. ^{232}Th, U(n, 2n), E=10-2000 MeV; calculated σ using TALYS. ^{232}Th(n, f), E=400 keV, 14, 25, 50, 100, 200 MeV; measured fission products, deduced mass distribution; calculated mass distribution at two lowest energies using TALYS. Neutron flux calculated using MCNPX with LA150 cross section library. JOUR ZAANE 47 85
^{97}Tc	2011LE22	NUCLEAR REACTIONS ^{95,96,97,98,100}Mo(p, 2n), E=16-24 MeV; measured reaction products, Eγ, Iγ; deduced production rates, yields. JOUR JLCRD 54 S243

A=98

No references found

A=99

^{99}Nb	2011EJ01	NUCLEAR REACTIONS ^{100}Mo, ^{197}Au(γ, n), ^{100}Mo(γ, p), E=12-16 MeV; measured reaction products, Eγ, Iγ; deduced relative yields, effective σ. JOUR JUPSA 80 094202

A=99 *(continued)*

^{99}Mo	2011AD18	NUCLEAR REACTIONS ^{232}Th, U(n, f), (n, γ), (n, 2n), E=1.E-10-1.E3 MeV; measured reaction products, Eγ, Iγ. ^{85m}Kr, ^{93}Y, ^{97}Zr, ^{99}Mo, ^{103}Ru, ^{105}Rh, ^{132}Te, ^{131,133}I, ^{133,135}Xe, ^{140}Ba, ^{141,143}Ce, ^{231}Th, ^{233}Pa, ^{237}U, ^{239}Np deduced reaction rates, $T_{1/2}$. ^{232}Th, U(n, 2n), E=10-2000 MeV; calculated σ using TALYS. ^{232}Th(n, f), E=400 keV, 14, 25, 50, 100, 200 MeV; measured fission products, deduced mass distribution; calculated mass distribution at two lowest energies using TALYS. Neutron flux calculated using MCNPX with LA150 cross section library. JOUR ZAANE 47 85
	2011CH33	NUCLEAR REACTIONS Mo(d, X)^{99}Mo, ^{100}Mo(p, X)^{99}Mo, Cu(p, X)^{62}Zn / ^{65}Zn E=9.7-58.5 MeV; measured reaction products, Eγ, Iγ; deduced σ, thick target yields. JOUR ARISE 69 1447
	2011EJ01	NUCLEAR REACTIONS ^{100}Mo, ^{197}Au(γ, n), ^{100}Mo(γ, p), E=12-16 MeV; measured reaction products, Eγ, Iγ; deduced relative yields, effective σ. JOUR JUPSA 80 094202
^{99}Tc	2011LE22	NUCLEAR REACTIONS ^{95,96,97,98,100}Mo(p, 2n), E=16-24 MeV; measured reaction products, Eγ, Iγ; deduced production rates, yields. JOUR JLCRD 54 S243
	2011SC21	NUCLEAR REACTIONS ^{100}Mo(p, 2n), E=8-18 MeV; measured reaction products; deduced σ. JOUR JLCRD 54 S247

A=100

^{100}Mo	2011FL06	RADIOACTIVITY ^{100}Mo($2\beta^-$); measured Eγ, Iγ, Eβ, Iβ; deduced $T_{1/2}$, nuclear matrix elements. JOUR NPBSE 217 53
^{100}Ru	2011FL06	RADIOACTIVITY ^{100}Mo($2\beta^-$); measured Eγ, Iγ, Eβ, Iβ; deduced $T_{1/2}$, nuclear matrix elements. JOUR NPBSE 217 53
^{100}Rh	2011DI10	NUCLEAR REACTIONS ^{103}Rh(d, X)^{100}Pd / ^{101}Pd / ^{103}Pd / ^{100}Rh / ^{101}Rh / ^{102}Rh / ^{103}Ru, E<40 MeV; measured reaction products, Eγ, Iγ; deduced σ, yields. Comparison with ALICE-IPPE, EMPIRE-II, Talys calculations and experimental data. JOUR NIMBE 269 1963
^{100}Pd	2011DI10	NUCLEAR REACTIONS ^{103}Rh(d, X)^{100}Pd / ^{101}Pd / ^{103}Pd / ^{100}Rh / ^{101}Rh / ^{102}Rh / ^{103}Ru, E<40 MeV; measured reaction products, Eγ, Iγ; deduced σ, yields. Comparison with ALICE-IPPE, EMPIRE-II, Talys calculations and experimental data. JOUR NIMBE 269 1963

A=101

^{101}Rh	2011DI10	NUCLEAR REACTIONS ^{103}Rh(d, X)^{100}Pd / ^{101}Pd / ^{103}Pd / ^{100}Rh / ^{101}Rh / ^{102}Rh / ^{103}Ru, E<40 MeV; measured reaction products, Eγ, Iγ; deduced σ, yields. Comparison with ALICE-IPPE, EMPIRE-II, Talys calculations and experimental data. JOUR NIMBE 269 1963
^{101}Pd	2011DI10	NUCLEAR REACTIONS ^{103}Rh(d, X)^{100}Pd / ^{101}Pd / ^{103}Pd / ^{100}Rh / ^{101}Rh / ^{102}Rh / ^{103}Ru, E<40 MeV; measured reaction products, Eγ, Iγ; deduced σ, yields. Comparison with ALICE-IPPE, EMPIRE-II, Talys calculations and experimental data. JOUR NIMBE 269 1963

A=102

^{102}Rh	2011DI10	NUCLEAR REACTIONS ^{103}Rh(d, X)^{100}Pd / ^{101}Pd / ^{103}Pd / ^{100}Rh / ^{101}Rh / ^{102}Rh / ^{103}Ru, E<40 MeV; measured reaction products, Eγ, Iγ; deduced σ, yields. Comparison with ALICE-IPPE, EMPIRE-II, Talys calculations and experimental data. JOUR NIMBE 269 1963

A=103

^{103}Nb	2010ZHZT	RADIOACTIVITY ^{252}Cf(SF); measured Eγ, Iγ, $\gamma\gamma$-coin. ^{103}Nb, ^{105,106}Mo, ^{107,108}Tc, ^{110,112}Ru deduced levels, J, π, collective vibrational, rotational bands. CONF Tsukuba(Nuclear Physics Trends) Proc.P253,Zhu
^{103}Ru	2011AD18	NUCLEAR REACTIONS ^{232}Th, U(n, f), (n, γ), (n, 2n), E=1.E-10-1.E3 MeV; measured reaction products, Eγ, Iγ. ^{85m}Kr, ^{93}Y, ^{97}Zr, ^{99}Mo, ^{103}Ru, ^{105}Rh, ^{132}Te, ^{131,133}I, ^{133,135}Xe, ^{140}Ba, ^{141,143}Ce, ^{231}Th, ^{233}Pa, ^{237}U, ^{239}Np deduced reaction rates, $T_{1/2}$. ^{232}Th, U(n, 2n), E=10-2000 MeV; calculated σ using TALYS. ^{232}Th(n, f), E=400 keV, 14, 25, 50, 100, 200 MeV; measured fission products, deduced mass distribution; calculated mass distribution at two lowest energies using TALYS. Neutron flux calculated using MCNPX with LA150 cross section library. JOUR ZAANE 47 85
	2011DI10	NUCLEAR REACTIONS ^{103}Rh(d, X)^{100}Pd / ^{101}Pd / ^{103}Pd / ^{100}Rh / ^{101}Rh / ^{102}Rh / ^{103}Ru, E<40 MeV; measured reaction products, Eγ, Iγ; deduced σ, yields. Comparison with ALICE-IPPE, EMPIRE-II, Talys calculations and experimental data. JOUR NIMBE 269 1963
^{103}Pd	2011DI10	NUCLEAR REACTIONS ^{103}Rh(d, X)^{100}Pd / ^{101}Pd / ^{103}Pd / ^{100}Rh / ^{101}Rh / ^{102}Rh / ^{103}Ru, E<40 MeV; measured reaction products, Eγ, Iγ; deduced σ, yields. Comparison with ALICE-IPPE, EMPIRE-II, Talys calculations and experimental data. JOUR NIMBE 269 1963
^{103}Ag	2011DI11	NUCLEAR REACTIONS ^{102,104}Pd(p, γ), ^{105}Pd(p, n), E=2.75-9 MeV; measured Eγ, Iγ, total cross sections. ^{104}Pd(p, n), ^{105}Pd(p, γ)^{106m}Ag, ^{106}Pd(p, n)^{106m}Ag, ^{110}Pd(p, n)^{110m}Ag, E=2.75-9 MeV; measured Eγ, Iγ, partial cross sections; deduced S factors. Activation method. Relevant cross sections measured close to the astrophysical Gamow window of the γ process. Comparison with previous measurements and theoretical predictions from Hauser-Feshbach model "NON-SMOKER". JOUR PRVCA 84 015802
^{103}Cd	2011KI17	NUCLEAR REACTIONS ^{94,96,98}Mo(^{12}C, 3n), E=50 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin, $\gamma\gamma$(t), half-lives. ^{103,105,107}Cd; deduced levels, J, π, B(M1), B(E2). Comparison with systematics of B(M1) and B(E2) values for A=102-112 Cd, and for Z=40-50, N=54-74 nuclei. JOUR PRVCA 84 014324

A=104

^{104}Pd	2010WEZZ	NUCLEAR REACTIONS ^{103}Rh(p, γ), E=2.0, 3.0 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin, En, In, Iα. Cross section to be extracted. CONF Heidelberg (NIC XI) Proc,P248,Weigand

A=104 ***(continued)***

	2011DI11	RADIOACTIVITY ^{104}Ag(EC); measured precise Iγ. JOUR PRVCA 84 015802
^{104}Ag	2011BE29	NUCLEAR REACTIONS ^{107}Ag(γ, 3n), ^{109}Ag(γ, 5n), ^{113}In(γ, 3n), ^{115}In(γ, 5n), (γ, 7n), E=32-84 MeV; measured Eγ, Iγ; deduced yields, isomeric ratios. Comparison with TALYS code calculations. JOUR BRSPE 75 941
	2011DI11	NUCLEAR REACTIONS ^{102,104}Pd(p, γ), ^{105}Pd(p, n), E=2.75-9 MeV; measured Eγ, Iγ, total cross sections. ^{104}Pd(p, n), ^{105}Pd(p, γ)^{106m}Ag, ^{106}Pd(p, n)^{106m}Ag, ^{110}Pd(p, n)^{110m}Ag, E=2.75-9 MeV; measured Eγ, Iγ, partial cross sections; deduced S factors. Activation method. Relevant cross sections measured close to the astrophysical Gamow window of the γ process. Comparison with previous measurements and theoretical predictions from Hauser-Feshbach model "NON-SMOKER". JOUR PRVCA 84 015802
	2011DI11	RADIOACTIVITY ^{104}Ag(EC); measured precise Iγ. JOUR PRVCA 84 015802

A=105

^{105}Mo	2010ZHZT	RADIOACTIVITY ^{252}Cf(SF); measured Eγ, Iγ, $\gamma\gamma$-coin. ^{103}Nb, ^{105,106}Mo, ^{107,108}Tc, ^{110,112}Ru deduced levels, J, π, collective vibrational, rotational bands. CONF Tsukuba(Nuclear Physics Trends) Proc.P253,Zhu
^{105}Rh	2011AD18	NUCLEAR REACTIONS ^{232}Th, U(n, f), (n, γ), (n, 2n), E=1.E-10-1.E3 MeV; measured reaction products, Eγ, Iγ. ^{85m}Kr, ^{93}Y, ^{97}Zr, ^{99}Mo, ^{103}Ru, ^{105}Rh, ^{132}Te, ^{131,133}I, ^{133,135}Xe, ^{140}Ba, ^{141,143}Ce, ^{231}Th, ^{233}Pa, ^{237}U, ^{239}Np deduced reaction rates, $T_{1/2}$. ^{232}Th, U(n, 2n), E=10-2000 MeV; calculated σ using TALYS. ^{232}Th(n, f), E=400 keV, 14, 25, 50, 100, 200 MeV; measured fission products, deduced mass distribution; calculated mass distribution at two lowest energies using TALYS. Neutron flux calculated using MCNPX with LA150 cross section library. JOUR ZAANE 47 85
^{105}Ag	2011DI11	NUCLEAR REACTIONS ^{102,104}Pd(p, γ), ^{105}Pd(p, n), E=2.75-9 MeV; measured Eγ, Iγ, total cross sections. ^{104}Pd(p, n), ^{105}Pd(p, γ)^{106m}Ag, ^{106}Pd(p, n)^{106m}Ag, ^{110}Pd(p, n)^{110m}Ag, E=2.75-9 MeV; measured Eγ, Iγ, partial cross sections; deduced S factors. Activation method. Relevant cross sections measured close to the astrophysical Gamow window of the γ process. Comparison with previous measurements and theoretical predictions from Hauser-Feshbach model "NON-SMOKER". JOUR PRVCA 84 015802
^{105}Cd	2011KI17	NUCLEAR REACTIONS ^{94,96,98}Mo(^{12}C, 3n), E=50 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin, $\gamma\gamma$(t), half-lives. ^{103,105,107}Cd; deduced levels, J, π, B(M1), B(E2). Comparison with systematics of B(M1) and B(E2) values for A=102-112 Cd, and for Z=40-50, N=54-74 nuclei. JOUR PRVCA 84 014324

A=106

^{106}Mo	2010ZHZT	RADIOACTIVITY ^{252}Cf(SF); measured Eγ, Iγ, $\gamma\gamma$-coin. ^{103}Nb, ^{105,106}Mo, ^{107,108}Tc, ^{110,112}Ru deduced levels, J, π, collective vibrational, rotational bands. CONF Tsukuba(Nuclear Physics Trends) Proc.P253,Zhu
^{106}Pd	2011RU10	RADIOACTIVITY ^{106}Cd(2β^+), (β^+EC), (2EC); measured decay products, Eγ, Iγ, X-rays; deduced $T_{1/2}$ limits. TGV-2 multidetector germanium spectrometer. JOUR BRSPE 75 879
^{106}Ag	2010ZHZR	NUCLEAR REACTIONS ^{100}Mo(^{11}B, 5n), E=60 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{106}Ag deduced levels, J, π, positive parity bands, rotational band, yrast, yrare, B(M1) / B(E2). ^{124}Sn(^{11}B, 5n), E=65 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{130}Cs deduced levels, J, π, $T_{1/2}$, yrast, B(E2), B(M1). ^{152}Sm(^{28}Si, 4n), E=140 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{176}Os deduced levels, J, π, $T_{1/2}$, quadrupole moment, deformation, B(E2); calculated quadrupole moment using U(5), X(5), SU(3). CONF Tsukuba(Nuclear Physics Trends) Proc.P363,Zhu
	2011DI11	NUCLEAR REACTIONS ^{102,104}Pd(p, γ), ^{105}Pd(p, n), E=2.75-9 MeV; measured Eγ, Iγ, total cross sections. ^{104}Pd(p, n), ^{105}Pd(p, γ)^{106m}Ag, ^{106}Pd(p, n)^{106m}Ag, ^{110}Pd(p, n)^{110m}Ag, E=2.75-9 MeV; measured Eγ, Iγ, partial cross sections; deduced S factors. Activation method. Relevant cross sections measured close to the astrophysical Gamow window of the γ process. Comparison with previous measurements and theoretical predictions from Hauser-Feshbach model "NON-SMOKER". JOUR PRVCA 84 015802
^{106}Cd	2010BEZI	RADIOACTIVITY ^{106}Cd(2β); measured Eβ, Iβ, Eγ, Iγ; deduced $T_{1/2}$ limits for (0ν2EC), (2$\nu\beta^+$EC), (2ν2β^+), (0ν2K), (0νLK); calculated possible resonant enhancement of (0ν2EC) within QRPA. Gran Sasso Natl Lab. CONF Sinaia (Exotic Nucei and Nuc.Part.Astroph.III)Proc.P354,Belli
	2011KI15	NUCLEAR REACTIONS ^{110,116}Cd(α, α'), E=16.4, 19.46 MeV; measured Eα, yields and $\sigma(\theta)$. ^{106}Cd, ^{112}Sn(α, α'), E(cm)=15.6, 18.9 MeV; analyzed $\sigma(\theta)$ data. ^{110,116}Cd(α, α), E=8-20 MeV; analyzed σ(E) data. Optical model analysis and predictions. Global parameterization of the α-nucleus potential used in astrophysical p-process calculations. JOUR PRVCA 83 065807
	2011RU10	RADIOACTIVITY ^{106}Cd(2β^+), (β^+EC), (2EC); measured decay products, Eγ, Iγ, X-rays; deduced $T_{1/2}$ limits. TGV-2 multidetector germanium spectrometer. JOUR BRSPE 75 879

A=107

^{107}Tc	2010ZHZT	RADIOACTIVITY ^{252}Cf(SF); measured Eγ, Iγ, $\gamma\gamma$-coin. ^{103}Nb, ^{105,106}Mo, ^{107,108}Tc, ^{110,112}Ru deduced levels, J, π, collective vibrational, rotational bands. CONF Tsukuba(Nuclear Physics Trends) Proc.P253,Zhu

A=107 *(continued)*

^{107}Cd	2011KI17	NUCLEAR REACTIONS ^{94,96,98}Mo(^{12}C, 3n), E=50 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin, $\gamma\gamma$(t), half-lives. ^{103,105,107}Cd; deduced levels, J, π, B(M1), B(E2). Comparison with systematics of B(M1) and B(E2) values for A=102-112 Cd, and for Z=40-50, N=54-74 nuclei. JOUR PRVCA 84 014324

A=108

^{108}Tc	2010ZHZT	RADIOACTIVITY ^{252}Cf(SF); measured Eγ, Iγ, $\gamma\gamma$-coin. ^{103}Nb, ^{105,106}Mo, ^{107,108}Tc, ^{110,112}Ru deduced levels, J, π, collective vibrational, rotational bands. CONF Tsukuba(Nuclear Physics Trends) Proc.P253,Zhu
^{108}In	2011BE29	NUCLEAR REACTIONS ^{107}Ag(γ, 3n), ^{109}Ag(γ, 5n), ^{113}In(γ, 3n), ^{115}In(γ, 5n), (γ, 7n), E=32-84 MeV; measured Eγ, Iγ; deduced yields, isomeric ratios. Comparison with TALYS code calculations. JOUR BRSPE 75 941

A=109

^{109}I	2011PR12	NUCLEAR REACTIONS ^{58}Ni(^{54}Fe, 2np)^{109}I, E=206 MeV; measured reaction products, Eγ, Iγ; deduced σ, lifetime or $T_{1/2}$ for the first excited state. Comparison with theoretical calculations, Recoil distance Doppler-shift method. JOUR PYLBB 704 118

A=110

^{110}Ru	2010ZHZT	RADIOACTIVITY ^{252}Cf(SF); measured Eγ, Iγ, $\gamma\gamma$-coin. ^{103}Nb, ^{105,106}Mo, ^{107,108}Tc, ^{110,112}Ru deduced levels, J, π, collective vibrational, rotational bands. CONF Tsukuba(Nuclear Physics Trends) Proc.P253,Zhu
^{110}Ag	2011DI11	NUCLEAR REACTIONS ^{102,104}Pd(p, γ), ^{105}Pd(p, n), E=2.75-9 MeV; measured Eγ, Iγ, total cross sections. ^{104}Pd(p, n), ^{105}Pd(p, γ)^{106m}Ag, ^{106}Pd(p, n)^{106m}Ag, ^{110}Pd(p, n)^{110m}Ag, E=2.75-9 MeV; measured Eγ, Iγ, partial cross sections; deduced S factors. Activation method. Relevant cross sections measured close to the astrophysical Gamow window of the γ process. Comparison with previous measurements and theoretical predictions from Hauser-Feshbach model "NON-SMOKER". JOUR PRVCA 84 015802
^{110}Cd	2011KI15	NUCLEAR REACTIONS ^{110,116}Cd(α, α'), E=16.4, 19.46 MeV; measured Eα, yields and $\sigma(\theta)$. ^{106}Cd, ^{112}Sn(α, α'), E(cm)=15.6, 18.9 MeV; analyzed $\sigma(\theta)$ data. ^{110,116}Cd(α, α), E=8-20 MeV; analyzed σ(E) data. Optical model analysis and predictions. Global parameterization of the α-nucleus potential used in astrophysical p-process calculations. JOUR PRVCA 83 065807

A=110 *(continued)*

^{110}In	2011BE29	NUCLEAR REACTIONS ^{107}Ag(γ, 3n), ^{109}Ag(γ, 5n), ^{113}In(γ, 3n), ^{115}In(γ, 5n), (γ, 7n), E=32-84 MeV; measured Eγ, Iγ; deduced yields, isomeric ratios. Comparison with TALYS code calculations. JOUR BRSPE 75 941

A=111

No references found

A=112

^{112}Ru	2010ZHZT	RADIOACTIVITY ^{252}Cf(SF); measured Eγ, Iγ, $\gamma\gamma$-coin. ^{103}Nb, ^{105,106}Mo, ^{107,108}Tc, ^{110,112}Ru deduced levels, J, π, collective vibrational, rotational bands. CONF Tsukuba(Nuclear Physics Trends) Proc.P253,Zhu
^{112}Sn	2010FUZR	NUCLEAR REACTIONS ^{112,114,116,118,120,122,124}Sn(α, α'), E=400 MeV; measured reaction products; deduced GM resonance strength distributions, GM resonance parameters, asymmetry term of nuclear compressibility. CONF Kobe(Tours Nuc.Phys.and Astroph.VII) Proc.P274,Fujiwara
	2011KI15	NUCLEAR REACTIONS ^{110,116}Cd(α, α'), E=16.4, 19.46 MeV; measured Eα, yields and $\sigma(\theta)$. ^{106}Cd, ^{112}Sn(α, α'), E(cm)=15.6, 18.9 MeV; analyzed $\sigma(\theta)$ data. ^{110,116}Cd(α, α), E=8-20 MeV; analyzed σ(E) data. Optical model analysis and predictions. Global parameterization of the α-nucleus potential used in astrophysical p-process calculations. JOUR PRVCA 83 065807
	2011WA15	NUCLEAR MOMENTS ^{112,114,116,122,124}Sn; measured g factors of the first 2+, 4+ and 3- states by transient field technique in Coulomb excitation in inverse kinematics. Comparisons with shell-model and other theoretical calculations. JOUR PRVCA 84 014319
	2011WA15	NUCLEAR REACTIONS ^{12}C(^{112}Sn, ^{112}Sn'), (^{114}Sn, ^{114}Sn'), (^{116}Sn, ^{116}Sn'), E=4 MeV / nucleon; ^{12}C(^{122}Sn, ^{122}Sn'), (^{124}Sn, ^{124}Sn'), E=3.8 MeV / nucleon; measured Eγ, Iγ, (^{12}C)γ-coin, (^{12}C)$\gamma\gamma(\theta)$, precession angles. ^{112,114,116,122,124}Sn; deduced g-factors, configurations. Comparison with RQRPA, QRPA, and shell-model calculations. ^{12}C(^{124}Sn, X)^{130}Xe / ^{126}Te / ^{128}Te, E=3.8 MeV / nucleon; measured Eγ, Iγ. JOUR PRVCA 84 014319

A=113

^{113}Cd	2010HAZO	NUCLEAR REACTIONS ^{112}Cd(n, γ), E=thermal, reactor; measured Eγ, Iγ, σ using Cd-difference method. ^{113}Cd deduced isomeric transition, resonance integral; calculated σ, isomer σ using Hauser-Feshbach. CONF Kobe(Tours Nuc.Phys.and Astroph.VII) Proc.P225,Hayakawa

A=114

^{114}Rh	2011LI25	RADIOACTIVITY ^{252}Cf(SF); measured Eγ, Iγ, $\gamma\gamma$-coin, fission yields ratios using the Gammasphere array. ^{114}Rh; deduced levels, J, π, rotational bands, signature inversion, configurations. Comparison with Triaxial Projected Shell Model calculations. Systematics of negative-parity yrast bands of odd-odd Rh nuclei with A=104-114. JOUR PRVCA 83 064310
^{114}Sn	2010FUZR	NUCLEAR REACTIONS ^{112,114,116,118,120,122,124}Sn(α, α'), E=400 MeV; measured reaction products; deduced GM resonance strength distributions, GM resonance parameters, asymmetry term of nuclear compressibility. CONF Kobe(Tours Nuc.Phys.and Astroph.VII) Proc.P274,Fujiwara
	2011MU10	NUCLEAR REACTIONS ^{40,48}Ca(n, n), E=11.9, 16.9 MeV; measured E(n), I(n), σ, σ(E, θ), time-of-flight spectra. ^{40}Ca(n, n), E=9.9-85.0; ^{48}Ca(n, n), E=7.97-16.9 MeV; ^{54}Ca(n, n), E=5.5-26.0 MeV; ^{58,60}Ni(n, n), E=4.5-24.0 MeV; ^{92}Mo(n, n), E=7.0-30.4 MeV; ^{116,118}Sn(n, n), E=9.95-24.0 MeV; ^{120}Sn(n, n), E=9.94-16.91 MeV; ^{124}Sn(n, n), E=11.0-24.0 MeV; ^{208}Pb(n, n), E=4.0-185.0 MeV; ^{50}Ti(p, p), E=6.0-65.0 MeV; ^{52}Cr(p, p), E=10.77-39.9 MeV; ^{54}Fe, ^{64}Ni(p, p), E=9.69-65.0 MeV; ^{58}Ni(p, p), E=7.0-192.0 MeV; ^{60}Ni(p, p), E=7.0-178.0 MeV; ^{62}Ni(p, p), E=8.02-156.0 MeV; ^{90}Zr(p, p), E=5.57-185.0 MeV; ^{92}Mo(p, p), E=12.5-49.45 MeV; ^{114}Sn(p, p), E=30.4 MeV; ^{116}Sn(p, p), E=16.0-61.4 MeV; ^{118,122,124}Sn(p, p), E=16.0-49.35 MeV; ^{120}Sn(p, p), E=9.8-156.0 MeV; ^{208}Pb(p, p), E=9.0-200.0 MeV; analyzed total cross sections, σ(E, θ), single-particle levels, spectroscopic factors, occupation probabilities, mass dependence on cross section. Dispersal optical model (DOM) analysis. JOUR PRVCA 83 064605
	2011WA15	NUCLEAR MOMENTS ^{112,114,116,122,124}Sn; measured g factors of the first 2+, 4+ and 3- states by transient field technique in Coulomb excitation in inverse kinematics. Comparisons with shell-model and other theoretical calculations. JOUR PRVCA 84 014319
	2011WA15	NUCLEAR REACTIONS ^{12}C(^{112}Sn, ^{112}Sn'), (^{114}Sn, ^{114}Sn'), (^{116}Sn, ^{116}Sn'), E=4 MeV / nucleon; ^{12}C(^{122}Sn, ^{122}Sn'), (^{124}Sn, ^{124}Sn'), E=3.8 MeV / nucleon; measured Eγ, Iγ, (^{12}C)γ-coin, (^{12}C)$\gamma\gamma(\theta)$, precession angles. ^{112,114,116,122,124}Sn; deduced g-factors, configurations. Comparison with RQRPA, QRPA, and shell-model calculations. ^{12}C(^{124}Sn, X)^{130}Xe / ^{126}Te / ^{128}Te, E=3.8 MeV / nucleon; measured Eγ, Iγ. JOUR PRVCA 84 014319

A=115

^{115}Ru	2011RI07	RADIOACTIVITY ^{115}Ru(β^-)[from U(p, f), E=25 MeV, selected by JYFLTRAP]; measured Eγ, Iγ, Eβ, Iβ, X-rays, $\beta\gamma$-coin. ^{115}Rh deduced levels, J, π, level log ft, level β-feeding, ICC(K) for 80.1 keV transition, rotational constants for the K=1 / 2 intruder band. ^{115}Ru deduced ground state J, π, β-strength distribution. Penning-trap-assisted β and γ spectroscopy, IGISOL facility. Comparison with near-by isotopes of Ru and Rh. JOUR ZAANE 47 97

A=115 *(continued)*

^{115}Rh	2011LI29	RADIOACTIVITY ^{252}Cf(SF); measured Eγ, Iγ, $\gamma\gamma$-coin using Gammasphere array. ^{115}Rh; deduced levels, J, π, bands, moment of inertia, signature splitting, fission yield ratios. Comparison with Rotor plus particle model calculations. Systematics of level energies, signature splittings and moments of inertia plots of ^{107,109,111,113,115}Rh nuclei. JOUR PRVCA 84 014304
	2011RI07	RADIOACTIVITY ^{115}Ru(β^-)[from U(p, f), E=25 MeV, selected by JYFLTRAP]; measured Eγ, Iγ, Eβ, Iβ, X-rays, $\beta\gamma$-coin. ^{115}Rh deduced levels, J, π, level log ft, level β-feeding, ICC(K) for 80.1 keV transition, rotational constants for the K=1 / 2 intruder band. ^{115}Ru deduced ground state J, π, β-strength distribution. Penning-trap-assisted β and γ spectroscopy, IGISOL facility. Comparison with near-by isotopes of Ru and Rh. JOUR ZAANE 47 97
^{115}Sn	2010KAZJ	NUCLEAR REACTIONS ^{116,117}Sn(γ, n), E=7-12.5 MeV; measured En, In; calculated σ using statistical model and different γ-ray E1 strength functions; deduced σ using Taylor expansion method, E1 γ strength, radiative neutron capture σ. Comparison with other data. CONF Kobe(Tours Nuc.Phys.and Astroph.VII) Proc.P234,Kamata

A=116

^{116}Cd	2011JA07	RADIOACTIVITY ^{116}Cd, ^{130}Te($2\beta^-$); measured Eγ, Iγ, Eβ, Iβ; deduced transitions to excited states $T_{1/2}$ limits. JOUR NPBSE 217 47
	2011KI15	NUCLEAR REACTIONS ^{110,116}Cd(α, α'), E=16.4, 19.46 MeV; measured Eα, yields and $\sigma(\theta)$. ^{106}Cd, ^{112}Sn(α, α'), E(cm)=15.6, 18.9 MeV; analyzed $\sigma(\theta)$ data. ^{110,116}Cd(α, α), E=8-20 MeV; analyzed σ(E) data. Optical model analysis and predictions. Global parameterization of the α-nucleus potential used in astrophysical p-process calculations. JOUR PRVCA 83 065807
	2011RA24	ATOMIC MASSES ^{116}Cd, ^{130}Te; measured cyclotron frequencies; deduced double beta decay Q-values, mass differences. JOUR PYLBB 703 412
	2011RA24	RADIOACTIVITY ^{116}Cd, ^{130}Te($2\beta^-$); calculated nuclear matrix elements. JOUR PYLBB 703 412
^{116}Sn	2010FUZR	NUCLEAR REACTIONS ^{112,114,116,118,120,122,124}Sn(α, α'), E=400 MeV; measured reaction products; deduced GM resonance strength distributions, GM resonance parameters, asymmetry term of nuclear compressibility. CONF Kobe(Tours Nuc.Phys.and Astroph.VII) Proc.P274,Fujiwara
	2010KAZJ	NUCLEAR REACTIONS ^{116,117}Sn(γ, n), E=7-12.5 MeV; measured En, In; calculated σ using statistical model and different γ-ray E1 strength functions; deduced σ using Taylor expansion method, E1 γ strength, radiative neutron capture σ. Comparison with other data. CONF Kobe(Tours Nuc.Phys.and Astroph.VII) Proc.P234,Kamata
	2011JA07	RADIOACTIVITY ^{116}Cd, ^{130}Te($2\beta^-$); measured Eγ, Iγ, Eβ, Iβ; deduced transitions to excited states $T_{1/2}$ limits. JOUR NPBSE 217 47

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

	2011MU10	NUCLEAR REACTIONS ^{40,48}Ca(n, n), E=11.9, 16.9 MeV; measured E(n), I(n), σ, σ(E, θ), time-of-flight spectra. ^{40}Ca(n, n), E=9.9-85.0; ^{48}Ca(n, n), E=7.97-16.9 MeV; ^{54}Ca(n, n), E=5.5-26.0 MeV; ^{58,60}Ni(n, n), E=4.5-24.0 MeV; ^{92}Mo(n, n), E=7.0-30.4 MeV; ^{116,118}Sn(n, n), E=9.95-24.0 MeV; ^{120}Sn(n, n), E=9.94-16.91 MeV; ^{124}Sn(n, n), E=11.0-24.0 MeV; ^{208}Pb(n, n), E=4.0-185.0 MeV; ^{50}Ti(p, p), E=6.0-65.0 MeV; ^{52}Cr(p, p), E=10.77-39.9 MeV; ^{54}Fe, ^{64}Ni(p, p), E=9.69-65.0 MeV; ^{58}Ni(p, p), E=7.0-192.0 MeV; ^{60}Ni(p, p), E=7.0-178.0 MeV; ^{62}Ni(p, p), E=8.02-156.0 MeV; ^{90}Zr(p, p), E=5.57-185.0 MeV; ^{92}Mo(p, p), E=12.5-49.45 MeV; ^{114}Sn(p, p), E=30.4 MeV; ^{116}Sn(p, p), E=16.0-61.4 MeV; ^{118,122,124}Sn(p, p), E=16.0-49.35 MeV; ^{120}Sn(p, p), E=9.8-156.0 MeV; ^{208}Pb(p, p), E=9.0-200.0 MeV; analyzed total cross sections, σ(E, θ), single-particle levels, spectroscopic factors, occupation probabilities, mass dependence on cross section. Dispersal optical model (DOM) analysis. JOUR PRVCA 83 064605
	2011RA24	RADIOACTIVITY ^{116}Cd, ^{130}Te($2\beta^-$); calculated nuclear matrix elements. JOUR PYLBB 703 412
	2011WA15	NUCLEAR MOMENTS ^{112,114,116,122,124}Sn; measured g factors of the first 2+, 4+ and 3- states by transient field technique in Coulomb excitation in inverse kinematics. Comparisons with shell-model and other theoretical calculations. JOUR PRVCA 84 014319
	2011WA15	NUCLEAR REACTIONS ^{12}C(^{112}Sn, ^{112}Sn'), (^{114}Sn, ^{114}Sn'), (^{116}Sn, ^{116}Sn'), E=4 MeV / nucleon; ^{12}C(^{122}Sn, ^{122}Sn'), (^{124}Sn, ^{124}Sn'), E=3.8 MeV / nucleon; measured Eγ, Iγ, (^{12}C)γ-coin, (^{12}C)$\gamma\gamma$(θ), precession angles. ^{112,114,116,122,124}Sn; deduced g-factors, configurations. Comparison with RQRPA, QRPA, and shell-model calculations. ^{12}C(^{124}Sn, X)^{130}Xe / ^{126}Te / ^{128}Te, E=3.8 MeV / nucleon; measured Eγ, Iγ. JOUR PRVCA 84 014319
^{116}Ba	2011LI28	RADIOACTIVITY ^{117}La(p) [from ^{64}Zn(^{58}Ni, 4np), E=305 MeV]; measured reaction products, Eγ, Iγ; deduced ground-state proton decay, Q-value, $T_{1/2}$, prompt γ-rays, no evidence of isomeric state. Comparison with theoretical predictions. JOUR PYLBB 702 24

A=117

^{117}La	2011LI28	RADIOACTIVITY ^{117}La(p) [from ^{64}Zn(^{58}Ni, 4np), E=305 MeV]; measured reaction products, Eγ, Iγ; deduced ground-state proton decay, Q-value, $T_{1/2}$, prompt γ-rays, no evidence of isomeric state. Comparison with theoretical predictions. JOUR PYLBB 702 24

A=118

^{118}Sn	2010FUZR	NUCLEAR REACTIONS ^{112,114,116,118,120,122,124}Sn(α, α'), E=400 MeV; measured reaction products; deduced GM resonance strength distributions, GM resonance parameters, asymmetry term of nuclear compressibility. CONF Kobe(Tours Nuc.Phys.and Astroph.VII) Proc.P274,Fujiwara
	2011MU10	NUCLEAR REACTIONS ^{40,48}Ca(n, n), E=11.9, 16.9 MeV; measured E(n), I(n), σ, σ(E, θ), time-of-flight spectra. ^{40}Ca(n, n), E=9.9-85.0; ^{48}Ca(n, n), E=7.97-16.9 MeV; ^{54}Ca(n, n), E=5.5-26.0 MeV; ^{58,60}Ni(n, n), E=4.5-24.0 MeV; ^{92}Mo(n, n), E=7.0-30.4 MeV; ^{116,118}Sn(n, n), E=9.95-24.0 MeV; ^{120}Sn(n, n), E=9.94-16.91 MeV; ^{124}Sn(n, n), E=11.0-24.0 MeV; ^{208}Pb(n, n), E=4.0-185.0 MeV; ^{50}Ti(p, p), E=6.0-65.0 MeV; ^{52}Cr(p, p), E=10.77-39.9 MeV; ^{54}Fe, ^{64}Ni(p, p), E=9.69-65.0 MeV; ^{58}Ni(p, p), E=7.0-192.0 MeV; ^{60}Ni(p, p), E=7.0-178.0 MeV; ^{62}Ni(p, p), E=8.02-156.0 MeV; ^{90}Zr(p, p), E=5.57-185.0 MeV; ^{92}Mo(p, p), E=12.5-49.45 MeV; ^{114}Sn(p, p), E=30.4 MeV; ^{116}Sn(p, p), E=16.0-61.4 MeV; ^{118,122,124}Sn(p, p), E=16.0-49.35 MeV; ^{120}Sn(p, p), E=9.8-156.0 MeV; ^{208}Pb(p, p), E=9.0-200.0 MeV; analyzed total cross sections, σ(E, θ), single-particle levels, spectroscopic factors, occupation probabilities, mass dependence on cross section. Dispersal optical model (DOM) analysis. JOUR PRVCA 83 064605
^{118}Te	2011FI06	NUCLEAR REACTIONS ^{115}Sn(α, γ)^{119}Te, ^{115}Sn(α, n)^{118}Te, ^{116}Sn(α, n)^{119}Te, E(cm)=9.3-14.8 MeV; ^{48}Ti(α, n)^{51}Cr, E not given; measured Eγ, Iγ, cross sections. Comparison with previous data and predictions of statistical model calculations. JOUR PRVCA 83 064609

A=119

^{119}Te	2011FI06	NUCLEAR REACTIONS ^{115}Sn(α, γ)^{119}Te, ^{115}Sn(α, n)^{118}Te, ^{116}Sn(α, n)^{119}Te, E(cm)=9.3-14.8 MeV; ^{48}Ti(α, n)^{51}Cr, E not given; measured Eγ, Iγ, cross sections. Comparison with previous data and predictions of statistical model calculations. JOUR PRVCA 83 064609

A=120

^{120}Sn	2010FUZR	NUCLEAR REACTIONS ^{112,114,116,118,120,122,124}Sn(α, α'), E=400 MeV; measured reaction products; deduced GM resonance strength distributions, GM resonance parameters, asymmetry term of nuclear compressibility. CONF Kobe(Tours Nuc.Phys.and Astroph.VII) Proc.P274,Fujiwara

A=120 ***(continued)***

2011MU10 NUCLEAR REACTIONS ^{40,48}Ca(n, n), E=11.9, 16.9 MeV; measured E(n), I(n), σ, σ(E, θ), time-of-flight spectra. ^{40}Ca(n, n), E=9.9-85.0; ^{48}Ca(n, n), E=7.97-16.9 MeV; ^{54}Ca(n, n), E=5.5-26.0 MeV; ^{58,60}Ni(n, n), E=4.5-24.0 MeV; ^{92}Mo(n, n), E=7.0-30.4 MeV; ^{116,118}Sn(n, n), E=9.95-24.0 MeV; ^{120}Sn(n, n), E=9.94-16.91 MeV; ^{124}Sn(n, n), E=11.0-24.0 MeV; ^{208}Pb(n, n), E=4.0-185.0 MeV; ^{50}Ti(p, p), E=6.0-65.0 MeV; ^{52}Cr(p, p), E=10.77-39.9 MeV; ^{54}Fe, ^{64}Ni(p, p), E=9.69-65.0 MeV; ^{58}Ni(p, p), E=7.0-192.0 MeV; ^{60}Ni(p, p), E=7.0-178.0 MeV; ^{62}Ni(p, p), E=8.02-156.0 MeV; ^{90}Zr(p, p), E=5.57-185.0 MeV; ^{92}Mo(p, p), E=12.5-49.45 MeV; ^{114}Sn(p, p), E=30.4 MeV; ^{116}Sn(p, p), E=16.0-61.4 MeV; ^{118,122,124}Sn(p, p), E=16.0-49.35 MeV; ^{120}Sn(p, p), E=9.8-156.0 MeV; ^{208}Pb(p, p), E=9.0-200.0 MeV; analyzed total cross sections, σ(E, θ), single-particle levels, spectroscopic factors, occupation probabilities, mass dependence on cross section. Dispersal optical model (DOM) analysis. JOUR PRVCA 83 064605

A=121

^{121}Sb 2010WAZX NUCLEAR REACTIONS Yb, Lu, W, Os(^{136}Xe, X), E≈6.0-6.2 MeV / nucleon; measured Eγ, Iγ, $\gamma\gamma$-coin using GAMMASPHERE. ^{120}Sn(^{7}Li, 2nα), E=58 MeV;^{122}Sn(^{7}Li, 2nα), E=54 MeV; measured Eγ, Iγ(θ), $\gamma\gamma$-coin using CAESAR and LEPS. ^{121,123}Sb deduced energy, J, π, isomeric transition $T_{1/2}$. CONF Tsukuba(Nuclear Physics Trends) Proc.P84,Watanabe

^{121}I 2011AL17 NUCLEAR REACTIONS Te(p, xn)^{121}I / ^{123}I / ^{124}I / ^{126}I / ^{130}I, E=18 MeV; measured reaction products, Eγ, Iγ; deduced yields, activities, method feasibility. JOUR JLCRD 54 S250

A=122

^{122}Sn 2010FUZR NUCLEAR REACTIONS ^{112,114,116,118,120,122,124}Sn(α, α'), E=400 MeV; measured reaction products; deduced GM resonance strength distributions, GM resonance parameters, asymmetry term of nuclear compressibility. CONF Kobe(Tours Nuc.Phys.and Astroph.VII) Proc.P274,Fujiwara

A=122 *(continued)*

2011MU10 NUCLEAR REACTIONS ^{40,48}Ca(n, n), E=11.9, 16.9 MeV; measured E(n), I(n), σ, σ(E, θ), time-of-flight spectra. ^{40}Ca(n, n), E=9.9-85.0; ^{48}Ca(n, n), E=7.97-16.9 MeV; ^{54}Ca(n, n), E=5.5-26.0 MeV; ^{58,60}Ni(n, n), E=4.5-24.0 MeV; ^{92}Mo(n, n), E=7.0-30.4 MeV; ^{116,118}Sn(n, n), E=9.95-24.0 MeV; ^{120}Sn(n, n), E=9.94-16.91 MeV; ^{124}Sn(n, n), E=11.0-24.0 MeV; ^{208}Pb(n, n), E=4.0-185.0 MeV; ^{50}Ti(p, p), E=6.0-65.0 MeV; ^{52}Cr(p, p), E=10.77-39.9 MeV; ^{54}Fe, ^{64}Ni(p, p), E=9.69-65.0 MeV; ^{58}Ni(p, p), E=7.0-192.0 MeV; ^{60}Ni(p, p), E=7.0-178.0 MeV; ^{62}Ni(p, p), E=8.02-156.0 MeV; ^{90}Zr(p, p), E=5.57-185.0 MeV; ^{92}Mo(p, p), E=12.5-49.45 MeV; ^{114}Sn(p, p), E=30.4 MeV; ^{116}Sn(p, p), E=16.0-61.4 MeV; ^{118,122,124}Sn(p, p), E=16.0-49.35 MeV; ^{120}Sn(p, p), E=9.8-156.0 MeV; ^{208}Pb(p, p), E=9.0-200.0 MeV; analyzed total cross sections, σ(E, θ), single-particle levels, spectroscopic factors, occupation probabilities, mass dependence on cross section. Dispersal optical model (DOM) analysis. JOUR PRVCA 83 064605

2011WA15 NUCLEAR MOMENTS ^{112,114,116,122,124}Sn; measured g factors of the first 2+, 4+ and 3- states by transient field technique in Coulomb excitation in inverse kinematics. Comparisons with shell-model and other theoretical calculations. JOUR PRVCA 84 014319

2011WA15 NUCLEAR REACTIONS ^{12}C(^{112}Sn, ^{112}Sn'), (^{114}Sn, ^{114}Sn'), (^{116}Sn, ^{116}Sn'), E=4 MeV / nucleon; ^{12}C(^{122}Sn, ^{122}Sn'), (^{124}Sn, ^{124}Sn'), E=3.8 MeV / nucleon; measured Eγ, Iγ, (^{12}C)γ-coin, (^{12}C)$\gamma\gamma(\theta)$, precession angles. ^{112,114,116,122,124}Sn; deduced g-factors, configurations. Comparison with RQRPA, QRPA, and shell-model calculations. ^{12}C(^{124}Sn, X)^{130}Xe / ^{126}Te / ^{128}Te, E=3.8 MeV / nucleon; measured Eγ, Iγ. JOUR PRVCA 84 014319

A=123

^{123}Sb 2010WAZX NUCLEAR REACTIONS Yb, Lu, W, Os(^{136}Xe, X), E≈6.0-6.2 MeV / nucleon; measured Eγ, Iγ, $\gamma\gamma$-coin using GAMMASPHERE. ^{120}Sn(^{7}Li, 2nα), E=58 MeV;^{122}Sn(^{7}Li, 2nα), E=54 MeV; measured Eγ, I$\gamma(\theta)$, $\gamma\gamma$-coin using CAESAR and LEPS. ^{121,123}Sb deduced energy, J, π, isomeric transition $T_{1/2}$. CONF Tsukuba(Nuclear Physics Trends) Proc.P84,Watanabe

^{123}I 2011AL17 NUCLEAR REACTIONS Te(p, xn)^{121}I / ^{123}I / ^{124}I / ^{126}I / ^{130}I, E=18 MeV; measured reaction products, Eγ, Iγ; deduced yields, activities, method feasibility. JOUR JLCRD 54 S250

A=124

^{124}Sn 2010FUZR NUCLEAR REACTIONS ^{112,114,116,118,120,122,124}Sn(α, α'), E=400 MeV; measured reaction products; deduced GM resonance strength distributions, GM resonance parameters, asymmetry term of nuclear compressibility. CONF Kobe(Tours Nuc.Phys.and Astroph.VII) Proc.P274,Fujiwara

A=124 ***(continued)***

	2011MU10	NUCLEAR REACTIONS ^{40,48}Ca(n, n), E=11.9, 16.9 MeV; measured E(n), I(n), σ, σ(E, θ), time-of-flight spectra. ^{40}Ca(n, n), E=9.9-85.0; ^{48}Ca(n, n), E=7.97-16.9 MeV; ^{54}Ca(n, n), E=5.5-26.0 MeV; ^{58,60}Ni(n, n), E=4.5-24.0 MeV; ^{92}Mo(n, n), E=7.0-30.4 MeV; ^{116,118}Sn(n, n), E=9.95-24.0 MeV; ^{120}Sn(n, n), E=9.94-16.91 MeV; ^{124}Sn(n, n), E=11.0-24.0 MeV; ^{208}Pb(n, n), E=4.0-185.0 MeV; ^{50}Ti(p, p), E=6.0-65.0 MeV; ^{52}Cr(p, p), E=10.77-39.9 MeV; ^{54}Fe, ^{64}Ni(p, p), E=9.69-65.0 MeV; ^{58}Ni(p, p), E=7.0-192.0 MeV; ^{60}Ni(p, p), E=7.0-178.0 MeV; ^{62}Ni(p, p), E=8.02-156.0 MeV; ^{90}Zr(p, p), E=5.57-185.0 MeV; ^{92}Mo(p, p), E=12.5-49.45 MeV; ^{114}Sn(p, p), E=30.4 MeV; ^{116}Sn(p, p), E=16.0-61.4 MeV; ^{118,122,124}Sn(p, p), E=16.0-49.35 MeV; ^{120}Sn(p, p), E=9.8-156.0 MeV; ^{208}Pb(p, p), E=9.0-200.0 MeV; analyzed total cross sections, σ(E, θ), single-particle levels, spectroscopic factors, occupation probabilities, mass dependence on cross section. Dispersal optical model (DOM) analysis. JOUR PRVCA 83 064605
	2011WA15	NUCLEAR MOMENTS ^{112,114,116,122,124}Sn; measured g factors of the first 2+, 4+ and 3- states by transient field technique in Coulomb excitation in inverse kinematics. Comparisons with shell-model and other theoretical calculations. JOUR PRVCA 84 014319
	2011WA15	NUCLEAR REACTIONS ^{12}C(^{112}Sn, ^{112}Sn'), (^{114}Sn, ^{114}Sn'), (^{116}Sn, ^{116}Sn'), E=4 MeV / nucleon; ^{12}C(^{122}Sn, ^{122}Sn'), (^{124}Sn, ^{124}Sn'), E=3.8 MeV / nucleon; measured Eγ, Iγ, (^{12}C)γ-coin, (^{12}C)$\gamma\gamma(\theta)$, precession angles. ^{112,114,116,122,124}Sn; deduced g-factors, configurations. Comparison with RQRPA, QRPA, and shell-model calculations. ^{12}C(^{124}Sn, X)^{130}Xe / ^{126}Te / ^{128}Te, E=3.8 MeV / nucleon; measured Eγ, Iγ. JOUR PRVCA 84 014319
^{124}I	2011AL17	NUCLEAR REACTIONS Te(p, xn)^{121}I / ^{123}I / ^{124}I / ^{126}I / ^{130}I, E=18 MeV; measured reaction products, Eγ, Iγ; deduced yields, activities, method feasibility. JOUR JLCRD 54 S250
^{124}Xe	2011BR13	RADIOACTIVITY ^{124,126}Cs(EC); measured Eγ, Iγ, X-rays, Eβ, Iβ; deduced possibility of electron capture branching ratio measurement of ^{100} Tc. Penning trap. JOUR HYIND 199 191
^{124}Cs	2011BR13	RADIOACTIVITY ^{124,126}Cs(EC); measured Eγ, Iγ, X-rays, Eβ, Iβ; deduced possibility of electron capture branching ratio measurement of ^{100} Tc. Penning trap. JOUR HYIND 199 191

A=125

No references found

A=126

^{126}Te	2011WA15	NUCLEAR REACTIONS ^{12}C(^{112}Sn, ^{112}Sn'), (^{114}Sn, ^{114}Sn'), (^{116}Sn, ^{116}Sn'), E=4 MeV / nucleon; ^{12}C(^{122}Sn, ^{122}Sn'), (^{124}Sn, ^{124}Sn'), E=3.8 MeV / nucleon; measured Eγ, Iγ, (^{12}C)γ-coin, (^{12}C)$\gamma\gamma(\theta)$, precession angles. ^{112,114,116,122,124}Sn; deduced g-factors, configurations. Comparison with RQRPA, QRPA, and shell-model calculations. ^{12}C(^{124}Sn, X)^{130}Xe / ^{126}Te / ^{128}Te, E=3.8 MeV / nucleon; measured Eγ, Iγ. JOUR PRVCA 84 014319
^{126}I	2011AL17	NUCLEAR REACTIONS Te(p, xn)^{121}I / ^{123}I / ^{124}I / ^{126}I / ^{130}I, E=18 MeV; measured reaction products, Eγ, Iγ; deduced yields, activities, method feasibility. JOUR JLCRD 54 S250
^{126}Xe	2011BR13	RADIOACTIVITY ^{124,126}Cs(EC); measured Eγ, Iγ, X-rays, Eβ, Iβ; deduced possibility of electron capture branching ratio measurement of ^{100} Tc. Penning trap. JOUR HYIND 199 191
^{126}Cs	2011BR13	RADIOACTIVITY ^{124,126}Cs(EC); measured Eγ, Iγ, X-rays, Eβ, Iβ; deduced possibility of electron capture branching ratio measurement of ^{100} Tc. Penning trap. JOUR HYIND 199 191
	2011GR12	NUCLEAR REACTIONS ^{120}Sn(^{10}B, X)^{126}Cs, E=55 MeV; measured reaction products, Eγ, Iγ; deduced lifetimes of excited states, B(M1), $T_{1/2}$. Doppler Shift Attenuation method (DSM). JOUR PYLBB 703 46

A=127

No references found

A=128

^{128}Te	2011WA15	NUCLEAR REACTIONS ^{12}C(^{112}Sn, ^{112}Sn'), (^{114}Sn, ^{114}Sn'), (^{116}Sn, ^{116}Sn'), E=4 MeV / nucleon; ^{12}C(^{122}Sn, ^{122}Sn'), (^{124}Sn, ^{124}Sn'), E=3.8 MeV / nucleon; measured Eγ, Iγ, (^{12}C)γ-coin, (^{12}C)$\gamma\gamma(\theta)$, precession angles. ^{112,114,116,122,124}Sn; deduced g-factors, configurations. Comparison with RQRPA, QRPA, and shell-model calculations. ^{12}C(^{124}Sn, X)^{130}Xe / ^{126}Te / ^{128}Te, E=3.8 MeV / nucleon; measured Eγ, Iγ. JOUR PRVCA 84 014319

A=129

No references found

A=130

^{130}Te	2011AR09	RADIOACTIVITY ^{130}Te(2β^-); measured decay products, Eβ, Iβ; deduced $T_{1/2}$, nuclear matrix elements. JOUR PRLTA 107 062504
	2011BU07	RADIOACTIVITY ^{130}Te(2β^-); measured Eγ, Iγ, Eβ, Iβ; deduced neutrinoless mode $T_{1/2}$ limit. JOUR NPBSE 217 41

A=130 ***(continued)***

	2011JA07	RADIOACTIVITY ^{116}Cd, ^{130}Te($2\beta^-$); measured Eγ, Iγ, Eβ, Iβ; deduced transitions to excited states $T_{1/2}$ limits. JOUR NPBSE 217 47
	2011RA24	ATOMIC MASSES ^{116}Cd, ^{130}Te; measured cyclotron frequencies; deduced double beta decay Q-values, mass differences. JOUR PYLBB 703 412
	2011RA24	RADIOACTIVITY ^{116}Cd, ^{130}Te($2\beta^-$); calculated nuclear matrix elements. JOUR PYLBB 703 412
^{130}I	2011AL17	NUCLEAR REACTIONS Te(p, xn)^{121}I / ^{123}I / ^{124}I / ^{126}I / ^{130}I, E=18 MeV; measured reaction products, Eγ, Iγ; deduced yields, activities, method feasibility. JOUR JLCRD 54 S250
^{130}Xe	2011AR09	RADIOACTIVITY ^{130}Te($2\beta^-$); measured decay products, Eβ, Iβ; deduced $T_{1/2}$, nuclear matrix elements. JOUR PRLTA 107 062504
	2011BU07	RADIOACTIVITY ^{130}Te($2\beta^-$); measured Eγ, Iγ, Eβ, Iβ; deduced neutrinoless mode $T_{1/2}$ limit. JOUR NPBSE 217 41
	2011JA07	RADIOACTIVITY ^{116}Cd, ^{130}Te($2\beta^-$); measured Eγ, Iγ, Eβ, Iβ; deduced transitions to excited states $T_{1/2}$ limits. JOUR NPBSE 217 47
	2011RA24	RADIOACTIVITY ^{116}Cd, ^{130}Te($2\beta^-$); calculated nuclear matrix elements. JOUR PYLBB 703 412
	2011WA15	NUCLEAR REACTIONS ^{12}C(^{112}Sn, ^{112}Sn'), (^{114}Sn, ^{114}Sn'), (^{116}Sn, ^{116}Sn'), E=4 MeV / nucleon; ^{12}C(^{122}Sn, ^{122}Sn'), (^{124}Sn, ^{124}Sn'), E=3.8 MeV / nucleon; measured Eγ, Iγ, (^{12}C)γ-coin, (^{12}C)$\gamma\gamma(\theta)$, precession angles. ^{112,114,116,122,124}Sn; deduced g-factors, configurations. Comparison with RQRPA, QRPA, and shell-model calculations. ^{12}C(^{124}Sn, X)^{130}Xe / ^{126}Te / ^{128}Te, E=3.8 MeV / nucleon; measured Eγ, Iγ. JOUR PRVCA 84 014319
^{130}Cs	2010ZHZR	NUCLEAR REACTIONS ^{100}Mo(^{11}B, 5n), E=60 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{106}Ag deduced levels, J, π, positive parity bands, rotational band, yrast, yrare, B(M1) / B(E2). ^{124}Sn(^{11}B, 5n), E=65 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{130}Cs deduced levels, J, π, $T_{1/2}$, yrast, B(E2), B(M1). ^{152}Sm(^{28}Si, 4n), E=140 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{176}Os deduced levels, J, π, $T_{1/2}$, quadrupole moment, deformation, B(E2); calculated quadrupole moment using U(5), X(5), SU(3). CONF Tsukuba(Nuclear Physics Trends) Proc.P363,Zhu

A=131

^{131}I	2011AD18	NUCLEAR REACTIONS ^{232}Th, U(n, f), (n, γ), (n, 2n), E=1.E-10-1.E3 MeV; measured reaction products, Eγ, Iγ. ^{85m}Kr, ^{93}Y, ^{97}Zr, ^{99}Mo, ^{103}Ru, ^{105}Rh, ^{132}Te, ^{131,133}I, ^{133,135}Xe, ^{140}Ba, ^{141,143}Ce, ^{231}Th, ^{233}Pa, ^{237}U, ^{239}Np deduced reaction rates, $T_{1/2}$. ^{232}Th, U(n, 2n), E=10-2000 MeV; calculated σ using TALYS. ^{232}Th(n, f), E=400 keV, 14, 25, 50, 100, 200 MeV; measured fission products, deduced mass distribution; calculated mass distribution at two lowest energies using TALYS. Neutron flux calculated using MCNPX with LA150 cross section library. JOUR ZAANE 47 85

A=132

^{132}Sn	2011PE20	NUCLEAR REACTIONS Pb(^{238}U, X)^{132}Sn, E=950 MeV / nucleon; Be(^{132}Sn, X), E not given; measured reaction products; deduced σ. Comparison with code COFRA results. JOUR PYLBB 703 552
^{132}Te	2011AD18	NUCLEAR REACTIONS ^{232}Th, U(n, f), (n, γ), (n, 2n), E=1.E-10-1.E3 MeV; measured reaction products, Eγ, Iγ. ^{85m}Kr, ^{93}Y, ^{97}Zr, ^{99}Mo, ^{103}Ru, ^{105}Rh, ^{132}Te, ^{131,133}I, ^{133,135}Xe, ^{140}Ba, ^{141,143}Ce, ^{231}Th, ^{233}Pa, ^{237}U, ^{239}Np deduced reaction rates, $T_{1/2}$. ^{232}Th, U(n, 2n), E=10-2000 MeV; calculated σ using TALYS. ^{232}Th(n, f), E=400 keV, 14, 25, 50, 100, 200 MeV; measured fission products, deduced mass distribution; calculated mass distribution at two lowest energies using TALYS. Neutron flux calculated using MCNPX with LA150 cross section library. JOUR ZAANE 47 85

A=133

^{133}I	2011AD18	NUCLEAR REACTIONS ^{232}Th, U(n, f), (n, γ), (n, 2n), E=1.E-10-1.E3 MeV; measured reaction products, Eγ, Iγ. ^{85m}Kr, ^{93}Y, ^{97}Zr, ^{99}Mo, ^{103}Ru, ^{105}Rh, ^{132}Te, ^{131,133}I, ^{133,135}Xe, ^{140}Ba, ^{141,143}Ce, ^{231}Th, ^{233}Pa, ^{237}U, ^{239}Np deduced reaction rates, $T_{1/2}$. ^{232}Th, U(n, 2n), E=10-2000 MeV; calculated σ using TALYS. ^{232}Th(n, f), E=400 keV, 14, 25, 50, 100, 200 MeV; measured fission products, deduced mass distribution; calculated mass distribution at two lowest energies using TALYS. Neutron flux calculated using MCNPX with LA150 cross section library. JOUR ZAANE 47 85
^{133}Xe	2011AD18	NUCLEAR REACTIONS ^{232}Th, U(n, f), (n, γ), (n, 2n), E=1.E-10-1.E3 MeV; measured reaction products, Eγ, Iγ. ^{85m}Kr, ^{93}Y, ^{97}Zr, ^{99}Mo, ^{103}Ru, ^{105}Rh, ^{132}Te, ^{131,133}I, ^{133,135}Xe, ^{140}Ba, ^{141,143}Ce, ^{231}Th, ^{233}Pa, ^{237}U, ^{239}Np deduced reaction rates, $T_{1/2}$. ^{232}Th, U(n, 2n), E=10-2000 MeV; calculated σ using TALYS. ^{232}Th(n, f), E=400 keV, 14, 25, 50, 100, 200 MeV; measured fission products, deduced mass distribution; calculated mass distribution at two lowest energies using TALYS. Neutron flux calculated using MCNPX with LA150 cross section library. JOUR ZAANE 47 85

A=134

No references found

A=135

^{135}Xe	2011AD18	NUCLEAR REACTIONS ^{232}Th, U(n, f), (n, γ), (n, 2n), E=1.E-10-1.E3 MeV; measured reaction products, Eγ, Iγ. ^{85m}Kr, ^{93}Y, ^{97}Zr, ^{99}Mo, ^{103}Ru, ^{105}Rh, ^{132}Te, ^{131,133}I, ^{133,135}Xe, ^{140}Ba, ^{141,143}Ce, ^{231}Th, ^{233}Pa, ^{237}U, ^{239}Np deduced reaction rates, $T_{1/2}$. ^{232}Th, U(n, 2n), E=10-2000 MeV; calculated σ using TALYS. ^{232}Th(n, f), E=400 keV, 14, 25, 50, 100, 200 MeV; measured fission products, deduced mass distribution; calculated mass distribution at two lowest energies using TALYS. Neutron flux calculated using MCNPX with LA150 cross section library. JOUR ZAANE 47 85

A=136

^{136}Cs	2011WI09	NUCLEAR REACTIONS U(p, X)^{136m}Cs, E=1.4 GeV; measured Eγ, Iγ, E(ce), I(ce), γ(ce)-coin, isomer half-life, conversion coefficients. ^{136}Cs; deduced levels, J, π, multipolarity, level scheme of isomer decay, B(E3), B(M4). Comparison with shell-model calculations. JOUR PRVCA 84 014329

A=137

No references found

A=138

No references found

A=139

^{139}La	2010MAZD	NUCLEAR REACTIONS ^{139}La(γ, γ'), E=0-11.5 MeV, bremsstrahlung; measured Eγ, Iγ; deduced σ, dipole-strength distribution. Compared with (γ, n) data from literature. CONF Kobe(Tours Nuc.Phys.and Astroph.VII) Proc.P228,Makinaga
^{139}Ce	2011ZH26	NUCLEAR REACTIONS ^{85,87}Rb, ^{89}Y, ^{140,142}Ce, ^{169}Tm, ^{175}Lu, ^{181}Ta, ^{185}Re, ^{238}U(n, 2n), E=14 MeV; measured reaction products, Eγ, Iγ; deduced σ. Comparison with ENDF / B-VII.0 evaluated nuclear data library. JOUR NSENA 169 188

A=140

^{140}Ba	2011AD18	NUCLEAR REACTIONS ^{232}Th, U(n, f), (n, γ), (n, 2n), E=1.E-10-1.E3 MeV; measured reaction products, Eγ, Iγ. ^{85m}Kr, ^{93}Y, ^{97}Zr, ^{99}Mo, ^{103}Ru, ^{105}Rh, ^{132}Te, ^{131,133}I, ^{133,135}Xe, ^{140}Ba, ^{141,143}Ce, ^{231}Th, ^{233}Pa, ^{237}U, ^{239}Np deduced reaction rates, $T_{1/2}$. ^{232}Th, U(n, 2n), E=10-2000 MeV; calculated σ using TALYS. ^{232}Th(n, f), E=400 keV, 14, 25, 50, 100, 200 MeV; measured fission products, deduced mass distribution; calculated mass distribution at two lowest energies using TALYS. Neutron flux calculated using MCNPX with LA150 cross section library. JOUR ZAANE 47 85
^{140}Ce	2010NIZR	RADIOACTIVITY ^{140}Pr(EC)[from ^{140}Ce(p, n)]; measured ^{140}Ce X-rays E(X), I(X, t). CONF Tsukuba(Nuclear Physics Trends) Proc.P219,Nishimura
^{140}Pr	2010NIZR	RADIOACTIVITY ^{140}Pr(EC)[from ^{140}Ce(p, n)]; measured ^{140}Ce X-rays E(X), I(X, t). CONF Tsukuba(Nuclear Physics Trends) Proc.P219,Nishimura

A=141

^{141}Ce	2011AD18	NUCLEAR REACTIONS ^{232}Th, U(n, f), (n, γ), (n, 2n), E=1.E-10-1.E3 MeV; measured reaction products, Eγ, Iγ. ^{85m}Kr, ^{93}Y, ^{97}Zr, ^{99}Mo, ^{103}Ru, ^{105}Rh, ^{132}Te, ^{131,133}I, ^{133,135}Xe, ^{140}Ba, ^{141,143}Ce, ^{231}Th, ^{233}Pa, ^{237}U, ^{239}Np deduced reaction rates, $T_{1/2}$. ^{232}Th, U(n, 2n), E=10-2000 MeV; calculated σ using TALYS. ^{232}Th(n, f), E=400 keV, 14, 25, 50, 100, 200 MeV; measured fission products, deduced mass distribution; calculated mass distribution at two lowest energies using TALYS. Neutron flux calculated using MCNPX with LA150 cross section library. JOUR ZAANE 47 85
	2011ZH26	NUCLEAR REACTIONS ^{85,87}Rb, ^{89}Y, ^{140,142}Ce, ^{169}Tm, ^{175}Lu, ^{181}Ta, ^{185}Re, ^{238}U(n, 2n), E=14 MeV; measured reaction products, Eγ, Iγ; deduced σ. Comparison with ENDF / B-VII.0 evaluated nuclear data library. JOUR NSENA 169 188
^{141}Pm	2011GU12	NUCLEAR REACTIONS ^{126}Te(^{19}F, 4n), E=90 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin, DCO. ^{141}Pm; deduced levels, J, π, high-spin oblate bands, moments of inertia, multipolarity. Comparison with MRPM (triaxial n-particle-n-hole particle rotor model) calculations; and with systematics of moments of inertia plots for ^{132}Ba, ^{131,136}La and ^{134,136}Ce. JOUR PRVCA 83 064303

A=142

^{142}Xe	2010SMZX	RADIOACTIVITY ^{142}Xe(β^-); measured Iβ(t); deduced $T_{1/2}$. No numbers given, analysis in progress. CONF Heidelberg (NIC XI) Proc,P283,Smith
^{142}Cs	2010SMZX	RADIOACTIVITY ^{142}Xe(β^-); measured Iβ(t); deduced $T_{1/2}$. No numbers given, analysis in progress. CONF Heidelberg (NIC XI) Proc,P283,Smith

A=143

^{143}Xe	2011RZ01	RADIOACTIVITY ^{248}Cm(SF); measured Eγ, Iγ, $\gamma\gamma$-coin, $\gamma\gamma(\theta)$, using EUROGAM-2 array. ^{143}Xe; deduced levels, J, π, conversion coefficients, multipolarity, bands, configurations. Comparison with quasiparticle-rotor model calculations with a reflection-symmetric potential. Systematics of bandheads of N=89 nuclei. JOUR PRVCA 83 067301
^{143}Ce	2011AD18	NUCLEAR REACTIONS ^{232}Th, U(n, f), (n, γ), (n, 2n), E=1.E-10-1.E3 MeV; measured reaction products, Eγ, Iγ. ^{85m}Kr, ^{93}Y, ^{97}Zr, ^{99}Mo, ^{103}Ru, ^{105}Rh, ^{132}Te, ^{131,133}I, ^{133,135}Xe, ^{140}Ba, ^{141,143}Ce, ^{231}Th, ^{233}Pa, ^{237}U, ^{239}Np deduced reaction rates, $T_{1/2}$. ^{232}Th, U(n, 2n), E=10-2000 MeV; calculated σ using TALYS. ^{232}Th(n, f), E=400 keV, 14, 25, 50, 100, 200 MeV; measured fission products, deduced mass distribution; calculated mass distribution at two lowest energies using TALYS. Neutron flux calculated using MCNPX with LA150 cross section library. JOUR ZAANE 47 85

A=144

No references found

A=145

No references found

A=146

No references found

A=147

No references found

A=148

No references found

A=149

^{149}Pm	2011IN04	RADIOACTIVITY ^{149}Sm(EC)[from ^{149}Eu electron capture]; measured conversion electrons, X-rays from excited ^{149}Sm using Eu compounds as targets; deduced energy differences, relative intensities. JOUR ZAANE 47 84

A=149 *(continued)*

^{149}Sm	2011IN04	RADIOACTIVITY ^{149}Sm(EC)[from ^{149}Eu electron capture]; measured conversion electrons, X-rays from excited ^{149}Sm using Eu compounds as targets; deduced energy differences, relative intensities. JOUR ZAANE 47 84

A=150

^{150}Nd	2011GU14	RADIOACTIVITY ^{150}Nd($2\beta^-$); calculated matrix elements for $0\nu\beta\beta$ and $2\nu\beta\beta$ decay modes using QRPA calculations. Comparison with experimental data. JOUR PRVCA 83 064318
^{150}Pm	2011GU14	NUCLEAR REACTIONS ^{150}Nd(^{3}He, t), E=140 MeV / nucleon; ^{150}Sm(t, ^{3}He), E=115 MeV / nucleon; measured triton and ^{3}He spectra, excitation energy spectra, differential cross sections, $\sigma(\theta)$ ^{150}Pm; deduced B(GT) strengths; isovector spin-flip giant monopole resonance (IVSGMR). Grand Raiden Spectrometer for (^{3}He, t) and S-800 spectrometer for (t, ^{3}He). Comparison with Quasi-Particle Random Phase Approximation (QRPA) calculations. Application to double β decay of ^{150}Nd. JOUR PRVCA 83 064318
^{150}Sm	2011GU14	RADIOACTIVITY ^{150}Nd($2\beta^-$); calculated matrix elements for $0\nu\beta\beta$ and $2\nu\beta\beta$ decay modes using QRPA calculations. Comparison with experimental data. JOUR PRVCA 83 064318

A=151

No references found

A=152

^{152}Sm	2010ZHZU	NUCLEAR REACTIONS ^{184}W(^{32}S, X), E(cm)=118-148 MeV; measured reaction products; deduced σ, quasifission σ, anisotropy, reaction mechanism; calculated σ, fusion probability, anisotropy. ^{90,96}Zr(^{32}S, X), E(cm)=70-95 MeV; measured reaction products; deduced σ; calculated σ. ^{152,154}Sm, ^{184}W, ^{196}Pt, ^{208}Pb(^{16}O, ^{16}O), E(cm)=35-70 MeV; measured reaction products; deduced $\sigma(\theta=175^0)$; calculated $\sigma(\theta=175^0)$ using CCFULL. CONF Tsukuba(Nuclear Physics Trends) Proc.P50,Zhang
^{152}Gd	2011KE03	ATOMIC MASSES ^{153}Eu, ^{152,154,155,156,157,158,160}Gd, ^{175,176}Lu, ^{176,177,178,179,180}Hf; measured masses using TOF-ICR technique and TRIGA-TRAP Penning-trap mass spectrometer; deduced δV_{pn} values; evaluated mass excesses. JOUR PRVCA 84 014311
^{152}Yb	2011DA12	RADIOACTIVITY ^{160}Re(p), (α)[from ^{106}Cd(^{58}Ni, X), E=290, 300 MeV]; ^{156}Ta(p), (β^+)[from ^{160}Re α decay]; ^{159}W(α)[from ^{160}Re p decay]; ^{156}Hf(α)[from ^{156}Ta β^+ decay]; measured E(p), I(p), Eα, Iα, Eγ, half-lives using GREAT spectrometer; deduced branching ratios for proton, α and β decay modes, spectroscopic factors. ^{156}Ta, ^{160}Re; deduced J, π for ground states. JOUR PRVCA 83 064320

A=153

^{153}Eu	2011KE03	ATOMIC MASSES ^{153}Eu, ^{152,154,155,156,157,158,160}Gd, ^{175,176}Lu, ^{176,177,178,179,180}Hf; measured masses using TOF-ICR technique and TRIGA-TRAP Penning-trap mass spectrometer; deduced δV_{pn} values; evaluated mass excesses. JOUR PRVCA 84 014311

A=154

^{154}Sm	2010ZHZU	NUCLEAR REACTIONS ^{184}W(^{32}S, X), E(cm)=118-148 MeV; measured reaction products; deduced σ, quasifission σ, anisotropy, reaction mechanism; calculated σ, fusion probability, anisotropy. ^{90,96}Zr(^{32}S, X), E(cm)=70-95 MeV; measured reaction products; deduced σ; calculated σ. ^{152,154}Sm, ^{184}W, ^{196}Pt, ^{208}Pb(^{16}O, ^{16}O), E(cm)=35-70 MeV; measured reaction products; deduced $\sigma(\theta=175^0)$; calculated $\sigma(\theta=175^0)$ using CCFULL. CONF Tsukuba(Nuclear Physics Trends) Proc.P50,Zhang
^{154}Gd	2011KE03	ATOMIC MASSES ^{153}Eu, ^{152,154,155,156,157,158,160}Gd, ^{175,176}Lu, ^{176,177,178,179,180}Hf; measured masses using TOF-ICR technique and TRIGA-TRAP Penning-trap mass spectrometer; deduced δV_{pn} values; evaluated mass excesses. JOUR PRVCA 84 014311

A=155

^{155}Gd	2011KE03	ATOMIC MASSES ^{153}Eu, ^{152,154,155,156,157,158,160}Gd, ^{175,176}Lu, ^{176,177,178,179,180}Hf; measured masses using TOF-ICR technique and TRIGA-TRAP Penning-trap mass spectrometer; deduced δV_{pn} values; evaluated mass excesses. JOUR PRVCA 84 014311
^{155}Hf	2011DA12	RADIOACTIVITY ^{160}Re(p), (α)[from ^{106}Cd(^{58}Ni, X), E=290, 300 MeV]; ^{156}Ta(p), (β^+)[from ^{160}Re α decay]; ^{159}W(α)[from ^{160}Re p decay]; ^{156}Hf(α)[from ^{156}Ta β^+ decay]; measured E(p), I(p), Eα, Iα, Eγ, half-lives using GREAT spectrometer; deduced branching ratios for proton, α and β decay modes, spectroscopic factors. ^{156}Ta, ^{160}Re; deduced J, π for ground states. JOUR PRVCA 83 064320

A=156

^{156}Gd	2011EL05	ATOMIC MASSES ^{156}Dy, ^{156}Gd; measured cyclotron frequency ratio, TOF; deduced Q-value for double electron capture. SHIPTRAP Penning-trap mass spectrometer. Comparison with AME-2003. JOUR PRVCA 84 012501
	2011EL05	RADIOACTIVITY ^{156}Dy(2EC); calculated electron wave functions, double-electron-hole binding energy; deduced resonant enhancement factor for the probability of neutrinoless double-electron capture. Estimated partial half-life. Dirac-Fock method, Fermi model. JOUR PRVCA 84 012501

A=156 ***(continued)***

	2011KE03	ATOMIC MASSES ^{153}Eu, ^{152,154,155,156,157,158,160}Gd, ^{175,176}Lu, ^{176,177,178,179,180}Hf; measured masses using TOF-ICR technique and TRIGA-TRAP Penning-trap mass spectrometer; deduced δV_{pn} values; evaluated mass excesses. JOUR PRVCA 84 014311
	2011SU15	NUCLEAR REACTIONS ^{156}Gd(^{32}S, ^{32}S'), E=118 MeV; ^{156}Gd(^{58}Ni, ^{58}Ni'), E=225 MeV; measured scattered particle spectra, Eγ, Iγ, $\gamma\gamma$-, (particle)γ-, (particle)$\gamma\gamma$-coin, (particle)$\gamma(\theta)$. ^{156}Gd; deduced levels, J, π, ground-state, γ, β and octupole bands, γ-ray yields and branching ratios, E2, E1 and E3 matrix elements from GOSIA analysis of Coulomb excitation data. JOUR PRVCA 83 064308
^{156}Dy	2011EL05	ATOMIC MASSES ^{156}Dy, ^{156}Gd; measured cyclotron frequency ratio, TOF; deduced Q-value for double electron capture. SHIPTRAP Penning-trap mass spectrometer. Comparison with AME-2003. JOUR PRVCA 84 012501
	2011EL05	RADIOACTIVITY ^{156}Dy(2EC); calculated electron wave functions, double-electron-hole binding energy; deduced resonant enhancement factor for the probability of neutrinoless double-electron capture. Estimated partial half-life. Dirac-Fock method, Fermi model. JOUR PRVCA 84 012501
^{156}Hf	2011DA12	RADIOACTIVITY ^{160}Re(p), (α)[from ^{106}Cd(^{58}Ni, X), E=290, 300 MeV]; ^{156}Ta(p), (β^+)[from ^{160}Re α decay]; ^{159}W(α)[from ^{160}Re p decay]; ^{156}Hf(α)[from ^{156}Ta β^+ decay]; measured E(p), I(p), Eα, Iα, Eγ, half-lives using GREAT spectrometer; deduced branching ratios for proton, α and β decay modes, spectroscopic factors. ^{156}Ta, ^{160}Re; deduced J, π for ground states. JOUR PRVCA 83 064320
^{156}Ta	2011DA12	RADIOACTIVITY ^{160}Re(p), (α)[from ^{106}Cd(^{58}Ni, X), E=290, 300 MeV]; ^{156}Ta(p), (β^+)[from ^{160}Re α decay]; ^{159}W(α)[from ^{160}Re p decay]; ^{156}Hf(α)[from ^{156}Ta β^+ decay]; measured E(p), I(p), Eα, Iα, Eγ, half-lives using GREAT spectrometer; deduced branching ratios for proton, α and β decay modes, spectroscopic factors. ^{156}Ta, ^{160}Re; deduced J, π for ground states. JOUR PRVCA 83 064320

A=157

^{157}Gd	2011KE03	ATOMIC MASSES ^{153}Eu, ^{152,154,155,156,157,158,160}Gd, ^{175,176}Lu, ^{176,177,178,179,180}Hf; measured masses using TOF-ICR technique and TRIGA-TRAP Penning-trap mass spectrometer; deduced δV_{pn} values; evaluated mass excesses. JOUR PRVCA 84 014311
^{157}Er	2011WA14	NUCLEAR REACTIONS ^{114}Cd(^{48}Ca, X)^{157}Er / ^{158}Er, E=215 MeV; measured reaction products, Eγ, Iγ, γ-γ-coin.; deduced transition quadrupole moments for weakly populated collective bands, large deformations, stable triaxial shapes. Comparison with Nilsson-Strutinsky calculations. JOUR PYLBB 702 127

A=158

^{158}Gd	2011CH31	NUCLEAR REACTIONS ^{157}Gd(n, γ), E=<300 eV; measured Eγ, Iγ using DANCE γ calorimeter. ^{158}Gd; deduced E1, M1 and E1 photon strength distributions, resonances, multiplicity, spin distribution, multistep cascade (MSC) spectra. Statistical model calculations using DICEBOX code. Scissors mode. JOUR PRVCA 84 014306
	2011KE03	ATOMIC MASSES ^{153}Eu, ^{152,154,155,156,157,158,160}Gd, ^{175,176}Lu, ^{176,177,178,179,180}Hf; measured masses using TOF-ICR technique and TRIGA-TRAP Penning-trap mass spectrometer; deduced δV_{pn} values; evaluated mass excesses. JOUR PRVCA 84 014311
^{158}Tb	2011PR06	NUCLEAR REACTIONS ^{159}Tb(^{6}Li, X)^{158}Tb / ^{158}Dy / ^{159}Tb / ^{159}Dy / ^{160}Tb / ^{160}Dy / ^{161}Ho / ^{160}Er / ^{161}Er / ^{162}Er / ^{163}Er / , E=23-39 MeV; ^{159}Tb(^{7}Li, X)^{161}Er / ^{162}Er / ^{163}Er / ^{164}Er / , E=28, 34, 37; measured Eγ, Iγ, on-line and off-line γ spectra, complete fusion cross sections, incomplete fusion (ICF) and / or transfer cross sections; deduced ratios of cross sections for different reaction channels. Comparison with previous data for ^{159}Tb+^{6}Li, ^{159}Tb+^{7}Li, ^{159}Tb+^{10}B, ^{159}Tb+^{11}B, ^{144}Sm+^{6}Li, ^{208}Pb+^{6}Li, ^{209}Bi+^{6}Li systems, and with Coupled-channel (CC) calculations using the computer code CCFULL. JOUR PRVCA 83 064606
^{158}Dy	2011PR06	NUCLEAR REACTIONS ^{159}Tb(^{6}Li, X)^{158}Tb / ^{158}Dy / ^{159}Tb / ^{159}Dy / ^{160}Tb / ^{160}Dy / ^{161}Ho / ^{160}Er / ^{161}Er / ^{162}Er / ^{163}Er / , E=23-39 MeV; ^{159}Tb(^{7}Li, X)^{161}Er / ^{162}Er / ^{163}Er / ^{164}Er / , E=28, 34, 37; measured Eγ, Iγ, on-line and off-line γ spectra, complete fusion cross sections, incomplete fusion (ICF) and / or transfer cross sections; deduced ratios of cross sections for different reaction channels. Comparison with previous data for ^{159}Tb+^{6}Li, ^{159}Tb+^{7}Li, ^{159}Tb+^{10}B, ^{159}Tb+^{11}B, ^{144}Sm+^{6}Li, ^{208}Pb+^{6}Li, ^{209}Bi+^{6}Li systems, and with Coupled-channel (CC) calculations using the computer code CCFULL. JOUR PRVCA 83 064606
^{158}Er	2011WA14	NUCLEAR REACTIONS ^{114}Cd(^{48}Ca, X)^{157}Er / ^{158}Er, E=215 MeV; measured reaction products, Eγ, Iγ, γ-γ-coin.; deduced transition quadrupole moments for weakly populated collective bands, large deformations, stable triaxial shapes. Comparison with Nilsson-Strutinsky calculations. JOUR PYLBB 702 127

A=159

^{159}Gd	2011BU08	NUCLEAR REACTIONS ^{158}Gd, ^{179}Hf(n, γ), E=thermal; measured reaction products, Eγ, Iγ; deduced resonance energies. Comparison with available values, Am-Be neutron source. JOUR ANEND 38 2550

A=159 *(continued)*

^{159}Tb	2011PR06	NUCLEAR REACTIONS ^{159}Tb(^{6}Li, X)^{158}Tb / ^{158}Dy / ^{159}Tb / ^{159}Dy / ^{160}Tb / ^{160}Dy / ^{161}Ho / ^{160}Er / ^{161}Er / ^{162}Er / ^{163}Er / , E=23-39 MeV; ^{159}Tb(^{7}Li, X)^{161}Er / ^{162}Er / ^{163}Er / ^{164}Er / , E=28, 34, 37; measured Eγ, Iγ, on-line and off-line γ spectra, complete fusion cross sections, incomplete fusion (ICF) and / or transfer cross sections; deduced ratios of cross sections for different reaction channels. Comparison with previous data for ^{159}Tb+^{6}Li, ^{159}Tb+^{7}Li, ^{159}Tb+^{10}B, ^{159}Tb+^{11}B, ^{144}Sm+^{6}Li, ^{208}Pb+^{6}Li, ^{209}Bi+^{6}Li systems, and with Coupled-channel (CC) calculations using the computer code CCFULL. JOUR PRVCA 83 064606
^{159}Dy	2011PR06	NUCLEAR REACTIONS ^{159}Tb(^{6}Li, X)^{158}Tb / ^{158}Dy / ^{159}Tb / ^{159}Dy / ^{160}Tb / ^{160}Dy / ^{161}Ho / ^{160}Er / ^{161}Er / ^{162}Er / ^{163}Er / , E=23-39 MeV; ^{159}Tb(^{7}Li, X)^{161}Er / ^{162}Er / ^{163}Er / ^{164}Er / , E=28, 34, 37; measured Eγ, Iγ, on-line and off-line γ spectra, complete fusion cross sections, incomplete fusion (ICF) and / or transfer cross sections; deduced ratios of cross sections for different reaction channels. Comparison with previous data for ^{159}Tb+^{6}Li, ^{159}Tb+^{7}Li, ^{159}Tb+^{10}B, ^{159}Tb+^{11}B, ^{144}Sm+^{6}Li, ^{208}Pb+^{6}Li, ^{209}Bi+^{6}Li systems, and with Coupled-channel (CC) calculations using the computer code CCFULL. JOUR PRVCA 83 064606
^{159}W	2011DA12	RADIOACTIVITY ^{160}Re(p), (α)[from ^{106}Cd(^{58}Ni, X), E=290, 300 MeV]; ^{156}Ta(p), (β^+)[from ^{160}Re α decay]; ^{159}W(α)[from ^{160}Re p decay]; ^{156}Hf(α)[from ^{156}Ta β^+ decay]; measured E(p), I(p), Eα, Iα, Eγ, half-lives using GREAT spectrometer; deduced branching ratios for proton, α and β decay modes, spectroscopic factors. ^{156}Ta, ^{160}Re; deduced J, π for ground states. JOUR PRVCA 83 064320

A=160

^{160}Gd	2011KE03	ATOMIC MASSES ^{153}Eu, ^{152,154,155,156,157,158,160}Gd, ^{175,176}Lu, ^{176,177,178,179,180}Hf; measured masses using TOF-ICR technique and TRIGA-TRAP Penning-trap mass spectrometer; deduced δV_{pn} values; evaluated mass excesses. JOUR PRVCA 84 014311
^{160}Tb	2011PR06	NUCLEAR REACTIONS ^{159}Tb(^{6}Li, X)^{158}Tb / ^{158}Dy / ^{159}Tb / ^{159}Dy / ^{160}Tb / ^{160}Dy / ^{161}Ho / ^{160}Er / ^{161}Er / ^{162}Er / ^{163}Er / , E=23-39 MeV; ^{159}Tb(^{7}Li, X)^{161}Er / ^{162}Er / ^{163}Er / ^{164}Er / , E=28, 34, 37; measured Eγ, Iγ, on-line and off-line γ spectra, complete fusion cross sections, incomplete fusion (ICF) and / or transfer cross sections; deduced ratios of cross sections for different reaction channels. Comparison with previous data for ^{159}Tb+^{6}Li, ^{159}Tb+^{7}Li, ^{159}Tb+^{10}B, ^{159}Tb+^{11}B, ^{144}Sm+^{6}Li, ^{208}Pb+^{6}Li, ^{209}Bi+^{6}Li systems, and with Coupled-channel (CC) calculations using the computer code CCFULL. JOUR PRVCA 83 064606

A=160 *(continued)*

^{160}Dy	2011PR06	NUCLEAR REACTIONS ^{159}Tb(^{6}Li, X)^{158}Tb / ^{158}Dy / ^{159}Tb / ^{159}Dy / ^{160}Tb / ^{160}Dy / ^{161}Ho / ^{160}Er / ^{161}Er / ^{162}Er / ^{163}Er / , E=23-39 MeV; ^{159}Tb(^{7}Li, X)^{161}Er / ^{162}Er / ^{163}Er / ^{164}Er / , E=28, 34, 37; measured Eγ, Iγ, on-line and off-line γ spectra, complete fusion cross sections, incomplete fusion (ICF) and / or transfer cross sections; deduced ratios of cross sections for different reaction channels. Comparison with previous data for ^{159}Tb+^{6}Li, ^{159}Tb+^{7}Li, ^{159}Tb+^{10}B, ^{159}Tb+^{11}B, ^{144}Sm+^{6}Li, ^{208}Pb+^{6}Li, ^{209}Bi+^{6}Li systems, and with Coupled-channel (CC) calculations using the computer code CCFULL. JOUR PRVCA 83 064606
^{160}Er	2011PR06	NUCLEAR REACTIONS ^{159}Tb(^{6}Li, X)^{158}Tb / ^{158}Dy / ^{159}Tb / ^{159}Dy / ^{160}Tb / ^{160}Dy / ^{161}Ho / ^{160}Er / ^{161}Er / ^{162}Er / ^{163}Er / , E=23-39 MeV; ^{159}Tb(^{7}Li, X)^{161}Er / ^{162}Er / ^{163}Er / ^{164}Er / , E=28, 34, 37; measured Eγ, Iγ, on-line and off-line γ spectra, complete fusion cross sections, incomplete fusion (ICF) and / or transfer cross sections; deduced ratios of cross sections for different reaction channels. Comparison with previous data for ^{159}Tb+^{6}Li, ^{159}Tb+^{7}Li, ^{159}Tb+^{10}B, ^{159}Tb+^{11}B, ^{144}Sm+^{6}Li, ^{208}Pb+^{6}Li, ^{209}Bi+^{6}Li systems, and with Coupled-channel (CC) calculations using the computer code CCFULL. JOUR PRVCA 83 064606
^{160}Re	2011DA12	RADIOACTIVITY ^{160}Re(p), (α)[from ^{106}Cd(^{58}Ni, X), E=290, 300 MeV]; ^{156}Ta(p), (β^+)[from ^{160}Re α decay]; ^{159}W(α)[from ^{160}Re p decay]; ^{156}Hf(α)[from ^{156}Ta β^+ decay]; measured E(p), I(p), Eα, Iα, Eγ, half-lives using GREAT spectrometer; deduced branching ratios for proton, α and β decay modes, spectroscopic factors. ^{156}Ta, ^{160}Re; deduced J, π for ground states. JOUR PRVCA 83 064320

A=161

^{161}Ho	2011PR06	NUCLEAR REACTIONS ^{159}Tb(^{6}Li, X)^{158}Tb / ^{158}Dy / ^{159}Tb / ^{159}Dy / ^{160}Tb / ^{160}Dy / ^{161}Ho / ^{160}Er / ^{161}Er / ^{162}Er / ^{163}Er / , E=23-39 MeV; ^{159}Tb(^{7}Li, X)^{161}Er / ^{162}Er / ^{163}Er / ^{164}Er / , E=28, 34, 37; measured Eγ, Iγ, on-line and off-line γ spectra, complete fusion cross sections, incomplete fusion (ICF) and / or transfer cross sections; deduced ratios of cross sections for different reaction channels. Comparison with previous data for ^{159}Tb+^{6}Li, ^{159}Tb+^{7}Li, ^{159}Tb+^{10}B, ^{159}Tb+^{11}B, ^{144}Sm+^{6}Li, ^{208}Pb+^{6}Li, ^{209}Bi+^{6}Li systems, and with Coupled-channel (CC) calculations using the computer code CCFULL. JOUR PRVCA 83 064606

A=161 ***(continued)***

^{161}Er 2011PR06 NUCLEAR REACTIONS ^{159}Tb(^{6}Li, X)^{158}Tb / ^{158}Dy / ^{159}Tb / ^{159}Dy / ^{160}Tb / ^{160}Dy / ^{161}Ho / ^{160}Er / ^{161}Er / ^{162}Er / ^{163}Er / , E=23-39 MeV; ^{159}Tb(^{7}Li, X)^{161}Er / ^{162}Er / ^{163}Er / ^{164}Er / , E=28, 34, 37; measured Eγ, Iγ, on-line and off-line γ spectra, complete fusion cross sections, incomplete fusion (ICF) and / or transfer cross sections; deduced ratios of cross sections for different reaction channels. Comparison with previous data for ^{159}Tb+^{6}Li, ^{159}Tb+^{7}Li, ^{159}Tb+^{10}B, ^{159}Tb+^{11}B, ^{144}Sm+^{6}Li, ^{208}Pb+^{6}Li, ^{209}Bi+^{6}Li systems, and with Coupled-channel (CC) calculations using the computer code CCFULL. JOUR PRVCA 83 064606

A=162

^{162}Er 2011PR06 NUCLEAR REACTIONS ^{159}Tb(^{6}Li, X)^{158}Tb / ^{158}Dy / ^{159}Tb / ^{159}Dy / ^{160}Tb / ^{160}Dy / ^{161}Ho / ^{160}Er / ^{161}Er / ^{162}Er / ^{163}Er / , E=23-39 MeV; ^{159}Tb(^{7}Li, X)^{161}Er / ^{162}Er / ^{163}Er / ^{164}Er / , E=28, 34, 37; measured Eγ, Iγ, on-line and off-line γ spectra, complete fusion cross sections, incomplete fusion (ICF) and / or transfer cross sections; deduced ratios of cross sections for different reaction channels. Comparison with previous data for ^{159}Tb+^{6}Li, ^{159}Tb+^{7}Li, ^{159}Tb+^{10}B, ^{159}Tb+^{11}B, ^{144}Sm+^{6}Li, ^{208}Pb+^{6}Li, ^{209}Bi+^{6}Li systems, and with Coupled-channel (CC) calculations using the computer code CCFULL. JOUR PRVCA 83 064606

A=163

^{163}Er 2011PR06 NUCLEAR REACTIONS ^{159}Tb(^{6}Li, X)^{158}Tb / ^{158}Dy / ^{159}Tb / ^{159}Dy / ^{160}Tb / ^{160}Dy / ^{161}Ho / ^{160}Er / ^{161}Er / ^{162}Er / ^{163}Er / , E=23-39 MeV; ^{159}Tb(^{7}Li, X)^{161}Er / ^{162}Er / ^{163}Er / ^{164}Er / , E=28, 34, 37; measured Eγ, Iγ, on-line and off-line γ spectra, complete fusion cross sections, incomplete fusion (ICF) and / or transfer cross sections; deduced ratios of cross sections for different reaction channels. Comparison with previous data for ^{159}Tb+^{6}Li, ^{159}Tb+^{7}Li, ^{159}Tb+^{10}B, ^{159}Tb+^{11}B, ^{144}Sm+^{6}Li, ^{208}Pb+^{6}Li, ^{209}Bi+^{6}Li systems, and with Coupled-channel (CC) calculations using the computer code CCFULL. JOUR PRVCA 83 064606

A=164

^{164}Er 2011PR06 NUCLEAR REACTIONS ^{159}Tb(^{6}Li, X)^{158}Tb / ^{158}Dy / ^{159}Tb / ^{159}Dy / ^{160}Tb / ^{160}Dy / ^{161}Ho / ^{160}Er / ^{161}Er / ^{162}Er / ^{163}Er / , E=23-39 MeV; ^{159}Tb(^{7}Li, X)^{161}Er / ^{162}Er / ^{163}Er / ^{164}Er / , E=28, 34, 37; measured Eγ, Iγ, on-line and off-line γ spectra, complete fusion cross sections, incomplete fusion (ICF) and / or transfer cross sections; deduced ratios of cross sections for different reaction channels. Comparison with previous data for ^{159}Tb+^{6}Li, ^{159}Tb+^{7}Li, ^{159}Tb+^{10}B, ^{159}Tb+^{11}B, ^{144}Sm+^{6}Li, ^{208}Pb+^{6}Li, ^{209}Bi+^{6}Li systems, and with Coupled-channel (CC) calculations using the computer code CCFULL. JOUR PRVCA 83 064606

A=165

^{165}Er 2011WA19 NUCLEAR REACTIONS ^{160}Gd(^{9}Be, 4n), E=42, 45 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{165}Er; deduced levels, J, π, rotational bands, alignments, configurations; calculated quasineutron Routhians. Comparison of alignments in ^{161,163,165}Er, ^{163}Dy, ^{167}Yb, ^{169}Hf nuclei, and with predictions of cranked shell model. JOUR PRVCA 84 017303

A=166

No references found

A=167

^{167}Ta 2011HA25 NUCLEAR REACTIONS ^{120}Sn(^{51}V, 4n), E=235 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin $\gamma\gamma(\theta)$ using Gammasphere array. ^{167}Ta; deduced levels, J, π, multipolarity, B(M1) / B(E2), rotational bands, alignments, band crossing frequencies, band configurations. Comparison with particle-rotor model calculations, and trends in the wobbling phonon energies in ^{161,163,165,167}Lu, and ^{167}Ta. JOUR PRVCA 83 064307

A=168

^{168}Tm 2011ZH26 NUCLEAR REACTIONS ^{85,87}Rb, ^{89}Y, ^{140,142}Ce, ^{169}Tm, ^{175}Lu, ^{181}Ta, ^{185}Re, ^{238}U(n, 2n), E=14 MeV; measured reaction products, Eγ, Iγ; deduced σ. Comparison with ENDF / B-VII.0 evaluated nuclear data library. JOUR NSENA 169 188

A=169

^{169}Yb	2010GLZZ	NUCLEAR REACTIONS ^{170}Yb(γ, n), E=8.9-9.9 MeV; measured activation technique Eγ, Iγ at HIPS (High INtensity Photon Setup); ^{169}Tm(p, n), E=3.3-7 MeV;^{166}Er(α, n), E=11.75-15 MeV; measured activation technique Eγ, Iγ; deduced σ; calculated σ using TALYS, NON-SMOKER. CONF Heidelberg (NIC XI) Proc,P234,Glorius

A=170

No references found

A=171

No references found

A=172

No references found

A=173

No references found

A=174

^{174}Lu	2011ZH26	NUCLEAR REACTIONS ^{85,87}Rb, ^{89}Y, ^{140,142}Ce, ^{169}Tm, ^{175}Lu, ^{181}Ta, ^{185}Re, ^{238}U(n, 2n), E=14 MeV; measured reaction products, Eγ, Iγ; deduced σ. Comparison with ENDF / B-VII.0 evaluated nuclear data library. JOUR NSENA 169 188

A=175

^{175}Lu	2011KE03	ATOMIC MASSES ^{153}Eu, ^{152,154,155,156,157,158,160}Gd, ^{175,176}Lu, ^{176,177,178,179,180}Hf; measured masses using TOF-ICR technique and TRIGA-TRAP Penning-trap mass spectrometer; deduced δV_{pn} values; evaluated mass excesses. JOUR PRVCA 84 014311

A=176

^{176}Lu	2011KE03	ATOMIC MASSES ^{153}Eu, ^{152,154,155,156,157,158,160}Gd, ^{175,176}Lu, ^{176,177,178,179,180}Hf; measured masses using TOF-ICR technique and TRIGA-TRAP Penning-trap mass spectrometer; deduced δV_{pn} values; evaluated mass excesses. JOUR PRVCA 84 014311

A=176 ***(continued)***

^{176}Hf	2011KE03	ATOMIC MASSES ^{153}Eu, ^{152,154,155,156,157,158,160}Gd, ^{175,176}Lu, ^{176,177,178,179,180}Hf; measured masses using TOF-ICR technique and TRIGA-TRAP Penning-trap mass spectrometer; deduced δV_{pn} values; evaluated mass excesses. JOUR PRVCA 84 014311
^{176}Os	2010ZHZR	NUCLEAR REACTIONS ^{100}Mo(^{11}B, 5n), E=60 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{106}Ag deduced levels, J, π, positive parity bands, rotational band, yrast, yrare, B(M1) / B(E2). ^{124}Sn(^{11}B, 5n), E=65 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{130}Cs deduced levels, J, π, $T_{1/2}$, yrast, B(E2), B(M1). ^{152}Sm(^{28}Si, 4n), E=140 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin. ^{176}Os deduced levels, J, π, $T_{1/2}$, quadrupole moment, deformation, B(E2); calculated quadrupole moment using U(5), X(5), SU(3). CONF Tsukuba(Nuclear Physics Trends) Proc.P363,Zhu

A=177

^{177}Lu	2011RO22	NUCLEAR REACTIONS ^{177m}Lu(n, n'), E=cold ; measured E(n), I(n), Eγ, Iγ, cross section in the inelastic neutron acceleration (INNA) process; deduced resonances parameters. Mechanism to induce an isomer de-excitation. JOUR PRVCA 83 064617
^{177}Hf	2011KE03	ATOMIC MASSES ^{153}Eu, ^{152,154,155,156,157,158,160}Gd, ^{175,176}Lu, ^{176,177,178,179,180}Hf; measured masses using TOF-ICR technique and TRIGA-TRAP Penning-trap mass spectrometer; deduced δV_{pn} values; evaluated mass excesses. JOUR PRVCA 84 014311

A=178

^{178}Hf	2011KE03	ATOMIC MASSES ^{153}Eu, ^{152,154,155,156,157,158,160}Gd, ^{175,176}Lu, ^{176,177,178,179,180}Hf; measured masses using TOF-ICR technique and TRIGA-TRAP Penning-trap mass spectrometer; deduced δV_{pn} values; evaluated mass excesses. JOUR PRVCA 84 014311

A=179

^{179}Hf	2011KE03	ATOMIC MASSES ^{153}Eu, ^{152,154,155,156,157,158,160}Gd, ^{175,176}Lu, ^{176,177,178,179,180}Hf; measured masses using TOF-ICR technique and TRIGA-TRAP Penning-trap mass spectrometer; deduced δV_{pn} values; evaluated mass excesses. JOUR PRVCA 84 014311

A=180

^{180}Hf	2011BU08	NUCLEAR REACTIONS ^{158}Gd, ^{179}Hf(n, γ), E=thermal; measured reaction products, Eγ, Iγ; deduced resonance energies. Comparison with available values, Am-Be neutron source. JOUR ANEND 38 2550

A=180 *(continued)*

	2011KE03	ATOMIC MASSES ^{153}Eu, ^{152,154,155,156,157,158,160}Gd, ^{175,176}Lu, ^{176,177,178,179,180}Hf; measured masses using TOF-ICR technique and TRIGA-TRAP Penning-trap mass spectrometer; deduced δV_{pn} values; evaluated mass excesses. JOUR PRVCA 84 014311
^{180}Ta	2011ZH26	NUCLEAR REACTIONS ^{85,87}Rb, ^{89}Y, ^{140,142}Ce, ^{169}Tm, ^{175}Lu, ^{181}Ta, ^{185}Re, ^{238}U(n, 2n), E=14 MeV; measured reaction products, Eγ, Iγ; deduced σ. Comparison with ENDF / B-VII.0 evaluated nuclear data library. JOUR NSENA 169 188
^{180}W	2010BEZO	RADIOACTIVITY ^{64,70}Zn, ^{180,186}W(2β); measured Eγ, Iγ; deduced $T_{1/2}$ limits. $ZnWO_4$ samples, Gran Sasso. CONF Frascati(Nuclear Physics in Astrophysics IV 2009), P012038

A=181

No references found

A=182

No references found

A=183

No references found

A=184

^{184}W	2010ZHZU	NUCLEAR REACTIONS ^{184}W(^{32}S, X), E(cm)=118-148 MeV; measured reaction products; deduced σ, quasifission σ, anisotropy, reaction mechanism; calculated σ, fusion probability, anisotropy. ^{90,96}Zr(^{32}S, X), E(cm)=70-95 MeV; measured reaction products; deduced σ; calculated σ. ^{152,154}Sm, ^{184}W, ^{196}Pt, ^{208}Pb(^{16}O, ^{16}O), E(cm)=35-70 MeV; measured reaction products; deduced $\sigma(\theta=175^0)$; calculated $\sigma(\theta=175^0)$ using CCFULL. CONF Tsukuba(Nuclear Physics Trends) Proc.P50,Zhang
^{184}Re	2011ZH26	NUCLEAR REACTIONS ^{85,87}Rb, ^{89}Y, ^{140,142}Ce, ^{169}Tm, ^{175}Lu, ^{181}Ta, ^{185}Re, ^{238}U(n, 2n), E=14 MeV; measured reaction products, Eγ, Iγ; deduced σ. Comparison with ENDF / B-VII.0 evaluated nuclear data library. JOUR NSENA 169 188

A=185

^{185}Pt	2011LI35	NUCLEAR REACTIONS ^{173}Yb(^{16}O, 4n), E=90 MeV; measured reaction products, Eγ, Iγ, γ-γ-coin.; deduced level scheme, J, π, intra-band B(M1) / B(E2) ratios. Comparison with theoretical values from the semi-classical Donau and Frauendorf approach. JOUR JPGPE 38 095105

A=186

^{186}W	2010BEZO	RADIOACTIVITY ^{64,70}Zn, ^{180,186}W(2β); measured Eγ, Iγ; deduced $T_{1/2}$ limits. $ZnWO_4$ samples, Gran Sasso. CONF Frascati(Nuclear Physics in Astrophysics IV 2009), P012038

A=187

No references found

A=188

No references found

A=189

^{189}Pt	2010HUZZ	NUCLEAR REACTIONS ^{176}Yb(^{18}O, 5n), E=88, 95 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin, (X-ray)γ-coin. ^{189}Pt deduced levels, E, J, π, rotational bands, deformation. CONF Tsukuba(Nuclear Physics Trends) Proc.P77,Hua

A=190

^{190}Os	2011BE32	RADIOACTIVITY ^{190,198}Pt(2β), (2EC); measured Eγ, Iγ using ultra-low background HPGe; deduced $T_{1/2}$ limit. Gran Sasso laboratory. JOUR ZAANE 47 91
^{190}Pt	2011BE32	RADIOACTIVITY ^{190,198}Pt(2β), (2EC); measured Eγ, Iγ using ultra-low background HPGe; deduced $T_{1/2}$ limit. Gran Sasso laboratory. JOUR ZAANE 47 91

A=191

No references found

A=192

No references found

A=193

No references found

A=194

^{194}Re	2010BEZM	RADIOACTIVITY ^{194,195,196}Re, ^{199,200}Os, ^{198,199,201,202}Ir, ^{203,204}Pt, ^{204}Au(β^-)[from ^{208}Pb and ^{238}U fragmentation on ^{9}Be target at 1 GeV / nucleon]; measured decay products position, time; deduced $T_{1/2}$. Comparison with calculations. CONF Heidelberg (NIC XI) Proc,P84,Benlliure
^{194}Os	2010BEZM	RADIOACTIVITY ^{194,195,196}Re, ^{199,200}Os, ^{198,199,201,202}Ir, ^{203,204}Pt, ^{204}Au(β^-)[from ^{208}Pb and ^{238}U fragmentation on ^{9}Be target at 1 GeV / nucleon]; measured decay products position, time; deduced $T_{1/2}$. Comparison with calculations. CONF Heidelberg (NIC XI) Proc,P84,Benlliure

A=195

^{195}Re	2010BEZM	RADIOACTIVITY ^{194,195,196}Re, ^{199,200}Os, ^{198,199,201,202}Ir, ^{203,204}Pt, ^{204}Au(β^-)[from ^{208}Pb and ^{238}U fragmentation on ^{9}Be target at 1 GeV / nucleon]; measured decay products position, time; deduced $T_{1/2}$. Comparison with calculations. CONF Heidelberg (NIC XI) Proc,P84,Benlliure
^{195}Os	2010BEZM	RADIOACTIVITY ^{194,195,196}Re, ^{199,200}Os, ^{198,199,201,202}Ir, ^{203,204}Pt, ^{204}Au(β^-)[from ^{208}Pb and ^{238}U fragmentation on ^{9}Be target at 1 GeV / nucleon]; measured decay products position, time; deduced $T_{1/2}$. Comparison with calculations. CONF Heidelberg (NIC XI) Proc,P84,Benlliure
^{195}Pt	2011FA08	NUCLEAR REACTIONS ^{192}Os(^{7}Li, 3np), (^{7}Li, 2nd), (^{7}Li, nt), E=44 MeV; measured Eγ, Iγ, $\gamma\gamma(\theta)$, (x ray)γ-, $\gamma\gamma$-coin. ^{195}Pt; deduced levels, J, π, bands, multipolarity. Systematics of level energies in ^{191,193,195}Pt with reference to yrast g.s. members in ^{192,194,196}Pt. JOUR PRVCA 84 017301

A=196

^{196}Re	2010BEZM	RADIOACTIVITY ^{194,195,196}Re, ^{199,200}Os, ^{198,199,201,202}Ir, ^{203,204}Pt, ^{204}Au(β^-)[from ^{208}Pb and ^{238}U fragmentation on ^{9}Be target at 1 GeV / nucleon]; measured decay products position, time; deduced $T_{1/2}$. Comparison with calculations. CONF Heidelberg (NIC XI) Proc,P84,Benlliure

A=196 *(continued)*

^{196}Os	2010BEZM	RADIOACTIVITY ^{194,195,196}Re, ^{199,200}Os, ^{198,199,201,202}Ir, ^{203,204}Pt, ^{204}Au(β^-)[from ^{208}Pb and ^{238}U fragmentation on ^{9}Be target at 1 GeV / nucleon]; measured decay products position, time; deduced $T_{1/2}$. Comparison with calculations. CONF Heidelberg (NIC XI) Proc,P84,Benlliure
^{196}Pt	2010ZHZU	NUCLEAR REACTIONS ^{184}W(^{32}S, X), E(cm)=118-148 MeV; measured reaction products; deduced σ, quasifission σ, anisotropy, reaction mechanism; calculated σ, fusion probability, anisotropy. ^{90,96}Zr(^{32}S, X), E(cm)=70-95 MeV; measured reaction products; deduced σ; calculated σ. ^{152,154}Sm, ^{184}W, ^{196}Pt, ^{208}Pb(^{16}O, ^{16}O), E(cm)=35-70 MeV; measured reaction products; deduced $\sigma(\theta=175^0)$; calculated $\sigma(\theta=175^0)$ using CCFULL. CONF Tsukuba(Nuclear Physics Trends) Proc.P50,Zhang
^{196}Au	2010ITZX	NUCLEAR REACTIONS ^{197}Au(γ, n), E=8-13.4 MeV; measured LCS (Laser Inverse Compton Scattering) Eγ, Iγ, En, In; deduced σ, resonance parameters. Cross sections compared with other data. CONF Kobe(Tours Nuc.Phys.and Astroph.VII) Proc.P237,Itoh
	2011EJ01	NUCLEAR REACTIONS ^{100}Mo, ^{197}Au(γ, n), ^{100}Mo(γ, p), E=12-16 MeV; measured reaction products, Eγ, Iγ; deduced relative yields, effective σ. JOUR JUPSA 80 094202

A=197

^{197}Au	2011COZZ	NUCLEAR REACTIONS ^{3}He(^{7}Be, α), E=53.4 MeV; measured reaction products; deduced σ(E). ^{197}Au(^{7}Be, ^{7}Be), E=53.4 MeV; measured reaction products; deduced $\sigma(\theta)$. REPT CNS-REP-86,P19,Condori
	2011PI08	NUCLEAR REACTIONS ^{9}Be, ^{197}Au(^{6}He, ^{6}He), E=16.2, 21.3 MeV, [^{6}He secondary beam from ^{9}Be(^{7}Li, ^{6}He), E=22.18, 26.10 MeV primary beam]; measured ^{6}He spectra, cross sections, $\sigma(\theta)$, biparametric spectrum. Effect of the collective couplings to the excited states. Coupled channels calculations, using a double-folding potential, and three- and four-body continuum-discretized coupled-channels (CDCC) calculations. JOUR PRVCA 83 064603

A=198

^{198}Os	2011BE32	RADIOACTIVITY ^{190,198}Pt(2β), (2EC); measured Eγ, Iγ using ultra-low background HPGe; deduced $T_{1/2}$ limit. Gran Sasso laboratory. JOUR ZAANE 47 91
^{198}Ir	2010BEZM	RADIOACTIVITY ^{194,195,196}Re, ^{199,200}Os, ^{198,199,201,202}Ir, ^{203,204}Pt, ^{204}Au(β^-)[from ^{208}Pb and ^{238}U fragmentation on ^{9}Be target at 1 GeV / nucleon]; measured decay products position, time; deduced $T_{1/2}$. Comparison with calculations. CONF Heidelberg (NIC XI) Proc,P84,Benlliure

A=198 ***(continued)***

^{198}Pt	2010BEZM	RADIOACTIVITY ^{194,195,196}Re, ^{199,200}Os, ^{198,199,201,202}Ir, ^{203,204}Pt, ^{204}Au(β^-)[from ^{208}Pb and ^{238}U fragmentation on ^{9}Be target at 1 GeV / nucleon]; measured decay products position, time; deduced $T_{1/2}$. Comparison with calculations. CONF Heidelberg (NIC XI) Proc,P84,Benlliure
	2011BE32	RADIOACTIVITY ^{190,198}Pt(2β), (2EC); measured Eγ, Iγ using ultra-low background HPGe; deduced $T_{1/2}$ limit. Gran Sasso laboratory. JOUR ZAANE 47 91

A=199

^{199}Os	2010BEZM	RADIOACTIVITY ^{194,195,196}Re, ^{199,200}Os, ^{198,199,201,202}Ir, ^{203,204}Pt, ^{204}Au(β^-)[from ^{208}Pb and ^{238}U fragmentation on ^{9}Be target at 1 GeV / nucleon]; measured decay products position, time; deduced $T_{1/2}$. Comparison with calculations. CONF Heidelberg (NIC XI) Proc,P84,Benlliure
^{199}Ir	2010BEZM	RADIOACTIVITY ^{194,195,196}Re, ^{199,200}Os, ^{198,199,201,202}Ir, ^{203,204}Pt, ^{204}Au(β^-)[from ^{208}Pb and ^{238}U fragmentation on ^{9}Be target at 1 GeV / nucleon]; measured decay products position, time; deduced $T_{1/2}$. Comparison with calculations. CONF Heidelberg (NIC XI) Proc,P84,Benlliure
^{199}Pt	2010BEZM	RADIOACTIVITY ^{194,195,196}Re, ^{199,200}Os, ^{198,199,201,202}Ir, ^{203,204}Pt, ^{204}Au(β^-)[from ^{208}Pb and ^{238}U fragmentation on ^{9}Be target at 1 GeV / nucleon]; measured decay products position, time; deduced $T_{1/2}$. Comparison with calculations. CONF Heidelberg (NIC XI) Proc,P84,Benlliure

A=200

^{200}Os	2010BEZM	RADIOACTIVITY ^{194,195,196}Re, ^{199,200}Os, ^{198,199,201,202}Ir, ^{203,204}Pt, ^{204}Au(β^-)[from ^{208}Pb and ^{238}U fragmentation on ^{9}Be target at 1 GeV / nucleon]; measured decay products position, time; deduced $T_{1/2}$. Comparison with calculations. CONF Heidelberg (NIC XI) Proc,P84,Benlliure
^{200}Ir	2010BEZM	RADIOACTIVITY ^{194,195,196}Re, ^{199,200}Os, ^{198,199,201,202}Ir, ^{203,204}Pt, ^{204}Au(β^-)[from ^{208}Pb and ^{238}U fragmentation on ^{9}Be target at 1 GeV / nucleon]; measured decay products position, time; deduced $T_{1/2}$. Comparison with calculations. CONF Heidelberg (NIC XI) Proc,P84,Benlliure

A=201

^{201}Ir	2010BEZM	RADIOACTIVITY ^{194,195,196}Re, ^{199,200}Os, ^{198,199,201,202}Ir, ^{203,204}Pt, ^{204}Au(β^-)[from ^{208}Pb and ^{238}U fragmentation on ^{9}Be target at 1 GeV / nucleon]; measured decay products position, time; deduced $T_{1/2}$. Comparison with calculations. CONF Heidelberg (NIC XI) Proc,P84,Benlliure
^{201}Pt	2010BEZM	RADIOACTIVITY ^{194,195,196}Re, ^{199,200}Os, ^{198,199,201,202}Ir, ^{203,204}Pt, ^{204}Au(β^-)[from ^{208}Pb and ^{238}U fragmentation on ^{9}Be target at 1 GeV / nucleon]; measured decay products position, time; deduced $T_{1/2}$. Comparison with calculations. CONF Heidelberg (NIC XI) Proc,P84,Benlliure

A=202

^{202}Ir	2010BEZM	RADIOACTIVITY ^{194,195,196}Re, ^{199,200}Os, ^{198,199,201,202}Ir, ^{203,204}Pt, ^{204}Au(β^-)[from ^{208}Pb and ^{238}U fragmentation on ^{9}Be target at 1 GeV / nucleon]; measured decay products position, time; deduced $T_{1/2}$. Comparison with calculations. CONF Heidelberg (NIC XI) Proc,P84,Benlliure
^{202}Pt	2010BEZM	RADIOACTIVITY ^{194,195,196}Re, ^{199,200}Os, ^{198,199,201,202}Ir, ^{203,204}Pt, ^{204}Au(β^-)[from ^{208}Pb and ^{238}U fragmentation on ^{9}Be target at 1 GeV / nucleon]; measured decay products position, time; deduced $T_{1/2}$. Comparison with calculations. CONF Heidelberg (NIC XI) Proc,P84,Benlliure

A=203

^{203}Pt	2010BEZM	RADIOACTIVITY ^{194,195,196}Re, ^{199,200}Os, ^{198,199,201,202}Ir, ^{203,204}Pt, ^{204}Au(β^-)[from ^{208}Pb and ^{238}U fragmentation on ^{9}Be target at 1 GeV / nucleon]; measured decay products position, time; deduced $T_{1/2}$. Comparison with calculations. CONF Heidelberg (NIC XI) Proc,P84,Benlliure
^{203}Au	2010BEZM	RADIOACTIVITY ^{194,195,196}Re, ^{199,200}Os, ^{198,199,201,202}Ir, ^{203,204}Pt, ^{204}Au(β^-)[from ^{208}Pb and ^{238}U fragmentation on ^{9}Be target at 1 GeV / nucleon]; measured decay products position, time; deduced $T_{1/2}$. Comparison with calculations. CONF Heidelberg (NIC XI) Proc,P84,Benlliure
^{203}Hg	2011SZ01	NUCLEAR REACTIONS ^{208}Pb, ^{238}U(^{40}Ca, X), E=305, 330 MeV; measured Eγ, Iγ, $\gamma\gamma$-coin, prompt and delayed γ spectra, isomer half-lives by γ(t) using Gammasphere array. ^{203}Hg; deduced high-spin levels, isomers, J, π, total conversion coefficients, multipolarities, configurations. Comparison with shell model calculations. JOUR PRVCA 83 064315

A=204

^{204}Ir	2011MO18	NUCLEAR REACTIONS Be(^{208}Pb, X)^{207}Hg / ^{206}Au / ^{205}Pt / ^{204}Ir, E=1 GeV / nucleon; measured yields of the reaction products, (p, n) charge exchange cross sections, production cross sections, longitudinal, velocity distributions. Comparison with simulated fragmentation yields for ^{238}U projectile. Relevance to r-process nuclei in elemental abundances. JOUR PRVCA 84 011601
^{204}Pt	2010BEZM	RADIOACTIVITY ^{194,195,196}Re, ^{199,200}Os, ^{198,199,201,202}Ir, ^{203,204}Pt, ^{204}Au(β^-)[from ^{208}Pb and ^{238}U fragmentation on ^{9}Be target at 1 GeV / nucleon]; measured decay products position, time; deduced $T_{1/2}$. Comparison with calculations. CONF Heidelberg (NIC XI) Proc,P84,Benlliure
^{204}Au	2010BEZM	RADIOACTIVITY ^{194,195,196}Re, ^{199,200}Os, ^{198,199,201,202}Ir, ^{203,204}Pt, ^{204}Au(β^-)[from ^{208}Pb and ^{238}U fragmentation on ^{9}Be target at 1 GeV / nucleon]; measured decay products position, time; deduced $T_{1/2}$. Comparison with calculations. CONF Heidelberg (NIC XI) Proc,P84,Benlliure
^{204}Hg	2010BEZM	RADIOACTIVITY ^{194,195,196}Re, ^{199,200}Os, ^{198,199,201,202}Ir, ^{203,204}Pt, ^{204}Au(β^-)[from ^{208}Pb and ^{238}U fragmentation on ^{9}Be target at 1 GeV / nucleon]; measured decay products position, time; deduced $T_{1/2}$. Comparison with calculations. CONF Heidelberg (NIC XI) Proc,P84,Benlliure
^{204}Tl	2011BR12	NUCLEAR REACTIONS ^{208}Pb(^{48}Ca, X), E=305; ^{238}U(^{48}Ca, X), E=330 MeV; measured Eγ, in-beam and off-beam Iγ, $\gamma\gamma$-coin, $\gamma\gamma$(t), isomer half-lives using Gammasphere array. ^{204}Tl; deduced levels, J, π, conversion coefficients, multipolarity, B(M2), B(E3), configurations, octupole excitations. Comparison with shell-model calculations. JOUR PRVCA 84 014330

A=205

^{205}Pt	2011MO18	NUCLEAR REACTIONS Be(^{208}Pb, X)^{207}Hg / ^{206}Au / ^{205}Pt / ^{204}Ir, E=1 GeV / nucleon; measured yields of the reaction products, (p, n) charge exchange cross sections, production cross sections, longitudinal, velocity distributions. Comparison with simulated fragmentation yields for ^{238}U projectile. Relevance to r-process nuclei in elemental abundances. JOUR PRVCA 84 011601
^{205}Pb	2010KOZX	NUCLEAR REACTIONS ^{206,207,208}Pb(γ, n), E=7.00-13.50 MeV; measured In; deduced σ using Taylor expansion method. Comparison with other data. CONF Kobe(Tours Nuc.Phys.and Astroph.VII) Proc.P231,Kondo

A=206

^{206}Au	2011MO18	NUCLEAR REACTIONS Be(^{208}Pb, X)^{207}Hg / ^{206}Au / ^{205}Pt / ^{204}Ir, E=1 GeV / nucleon; measured yields of the reaction products, (p, n) charge exchange cross sections, production cross sections, longitudinal, velocity distributions. Comparison with simulated fragmentation yields for ^{238}U projectile. Relevance to r-process nuclei in elemental abundances. JOUR PRVCA 84 011601
^{206}Pb	2010KOZX	NUCLEAR REACTIONS ^{206,207,208}Pb(γ, n), E=7.00-13.50 MeV; measured In; deduced σ using Taylor expansion method. Comparison with other data. CONF Kobe(Tours Nuc.Phys.and Astroph.VII) Proc.P231,Kondo

A=207

^{207}Hg	2011MO18	NUCLEAR REACTIONS Be(^{208}Pb, X)^{207}Hg / ^{206}Au / ^{205}Pt / ^{204}Ir, E=1 GeV / nucleon; measured yields of the reaction products, (p, n) charge exchange cross sections, production cross sections, longitudinal, velocity distributions. Comparison with simulated fragmentation yields for ^{238}U projectile. Relevance to r-process nuclei in elemental abundances. JOUR PRVCA 84 011601
^{207}Pb	2010KOZX	NUCLEAR REACTIONS ^{206,207,208}Pb(γ, n), E=7.00-13.50 MeV; measured In; deduced σ using Taylor expansion method. Comparison with other data. CONF Kobe(Tours Nuc.Phys.and Astroph.VII) Proc.P231,Kondo

A=208

^{208}Pb	2010BEZJ	NUCLEAR REACTIONS ^{208}Pb(^{27}P, p^{26}Si), E≈450 MeV / nucleon; measured Coulomb excitation products using ALADIN-LAND setup; deduced preliminary σ. CONF Heidelberg (NIC XI) Proc,P227,Beceiro Novo
	2010ERZV	NUCLEAR REACTIONS ^{208}Pb(^{92}Mo, n^{91}Mo), (^{100}Mo, 2n^{98}Mo), (^{100}Mo, n^{99}Mo), E≈500 MeV / nucleon; measured Coulomb excitation products using SIS / FRS / LAND; deduced mass yields, σ. Comparison with Beil et al. Measured also ^{93,94}Mo Coulomb dissociation, analysis is underway. CONF Heidelberg (NIC XI) Proc,P232,Ershova
	2010LAZU	NUCLEAR REACTIONS ^{208}Pb(^{32}Ar, p^{31}Cl), (^{31}Cl, p^{30}S), (^{34}Ar, p^{33}Cl), E=590 MeV / nucleon; measured Coulomb excitation products using ALADIN-LAND setup; deduced Q-value. Analysis still under way to determine σ(E), B(E1). CONF Heidelberg (NIC XI) Proc,P224,Langer
	2010MAZF	NUCLEAR REACTIONS ^{208}Pb(^{17}Ne, 2p^{15}O), E=500 MeV / nucleon; measured Coulomb excitation products. Analysis in progress. CONF Heidelberg (NIC XI) Proc,P225,Marganiec
	2010TOZW	NUCLEAR REACTIONS ^{208}Pb(^{31}Cl, p^{30}S), E=58 MeV / nucleon; measured Coulomb excitation products; deduced ^{31}Cl 1st excited state resonance. CONF Heidelberg (NIC XI) Proc,P228,Togano

A=208 ***(continued)***

2010ZHZU NUCLEAR REACTIONS ^{184}W(^{32}S, X), E(cm)=118-148 MeV; measured reaction products; deduced σ, quasifission σ, anisotropy, reaction mechanism; calculated σ, fusion probability, anisotropy. ^{90,96}Zr(^{32}S, X), E(cm)=70-95 MeV; measured reaction products; deduced σ; calculated σ. ^{152,154}Sm, ^{184}W, ^{196}Pt, ^{208}Pb(^{16}O, ^{16}O), E(cm)=35-70 MeV; measured reaction products; deduced $\sigma(\theta=175^0)$; calculated $\sigma(\theta=175^0)$ using CCFULL. CONF Tsukuba(Nuclear Physics Trends) Proc.P50,Zhang

2011HE13 NUCLEAR REACTIONS ^{208}Pb(p, p'), ^{207}Pb(d, p), E<14 MeV; measured proton spectra; deduced excitation energies, J, π, σ. JOUR JPGPE 38 105102

2011MU10 NUCLEAR REACTIONS ^{40,48}Ca(n, n), E=11.9, 16.9 MeV; measured E(n), I(n), σ, σ(E, θ), time-of-flight spectra. ^{40}Ca(n, n), E=9.9-85.0; ^{48}Ca(n, n), E=7.97-16.9 MeV; ^{54}Ca(n, n), E=5.5-26.0 MeV; ^{58,60}Ni(n, n), E=4.5-24.0 MeV; ^{92}Mo(n, n), E=7.0-30.4 MeV; ^{116,118}Sn(n, n), E=9.95-24.0 MeV; ^{120}Sn(n, n), E=9.94-16.91 MeV; ^{124}Sn(n, n), E=11.0-24.0 MeV; ^{208}Pb(n, n), E=4.0-185.0 MeV; ^{50}Ti(p, p), E=6.0-65.0 MeV; ^{52}Cr(p, p), E=10.77-39.9 MeV; ^{54}Fe, ^{64}Ni(p, p), E=9.69-65.0 MeV; ^{58}Ni(p, p), E=7.0-192.0 MeV; ^{60}Ni(p, p), E=7.0-178.0 MeV; ^{62}Ni(p, p), E=8.02-156.0 MeV; ^{90}Zr(p, p), E=5.57-185.0 MeV; ^{92}Mo(p, p), E=12.5-49.45 MeV; ^{114}Sn(p, p), E=30.4 MeV; ^{116}Sn(p, p), E=16.0-61.4 MeV; ^{118,122,124}Sn(p, p), E=16.0-49.35 MeV; ^{120}Sn(p, p), E=9.8-156.0 MeV; ^{208}Pb(p, p), E=9.0-200.0 MeV; analyzed total cross sections, σ(E, θ), single-particle levels, spectroscopic factors, occupation probabilities, mass dependence on cross section. Dispersal optical model (DOM) analysis. JOUR PRVCA 83 064605

2011TA18 NUCLEAR REACTIONS ^{208}Pb(p, p'), E<20 MeV; measured reaction products, proton spectra; deduced electric dipole (E1) and spin magnetic dipole (M1) modes, E1 strength distribution, neutron skin thickness. Comparison with experimental data. JOUR PRLTA 107 062502

A=209

No references found

A=210

No references found

A=211

^{211}Rn 2011KA23 NUCLEAR REACTIONS ^{208}Pb(^{12}C, X)^{220}Ra, ^{207}Pb(^{13}C, X)^{220}Ra, ^{208}Pb(^{12}C, 2n), (^{12}C, 3n), (^{12}C, 4n), (^{12}C, 5n), (^{12}C, 6n), (^{12}C, nα), (^{12}C, 3nα), (^{12}C, 4nα), (^{12}C, 5nα), ^{207}Pb(^{13}C, 3n), (^{13}C, 4n), (^{13}C, 5n), (^{13}C, 6n), (^{13}C, 3nα), (^{13}C, 4nα), ^{207}Pb(^{13}C, F), (^{13}C, xn), ^{208}Pb(^{12}C, F), (^{12}C, xn), E=58-94 MeV; measured reaction products; deduced fusion σ. deduced incomplete fusion. Comparison with with the single-barrier penetration model calculations. JOUR JPGPE 38 095104

A=212

^{212}Rn 2011KA23 NUCLEAR REACTIONS ^{208}Pb(^{12}C, X)^{220}Ra, ^{207}Pb(^{13}C, X)^{220}Ra, ^{208}Pb(^{12}C, 2n), (^{12}C, 3n), (^{12}C, 4n), (^{12}C, 5n), (^{12}C, 6n), (^{12}C, nα), (^{12}C, 3nα), (^{12}C, 4nα), (^{12}C, 5nα), ^{207}Pb(^{13}C, 3n), (^{13}C, 4n), (^{13}C, 5n), (^{13}C, 6n), (^{13}C, 3nα), (^{13}C, 4nα), ^{207}Pb(^{13}C, F), (^{13}C, xn), ^{208}Pb(^{12}C, F), (^{12}C, xn), E=58-94 MeV; measured reaction products; deduced fusion σ. deduced incomplete fusion. Comparison with with the single-barrier penetration model calculations. JOUR JPGPE 38 095104

A=213

^{213}Rn 2011KA23 NUCLEAR REACTIONS ^{208}Pb(^{12}C, X)^{220}Ra, ^{207}Pb(^{13}C, X)^{220}Ra, ^{208}Pb(^{12}C, 2n), (^{12}C, 3n), (^{12}C, 4n), (^{12}C, 5n), (^{12}C, 6n), (^{12}C, nα), (^{12}C, 3nα), (^{12}C, 4nα), (^{12}C, 5nα), ^{207}Pb(^{13}C, 3n), (^{13}C, 4n), (^{13}C, 5n), (^{13}C, 6n), (^{13}C, 3nα), (^{13}C, 4nα), ^{207}Pb(^{13}C, F), (^{13}C, xn), ^{208}Pb(^{12}C, F), (^{12}C, xn), E=58-94 MeV; measured reaction products; deduced fusion σ. deduced incomplete fusion. Comparison with with the single-barrier penetration model calculations. JOUR JPGPE 38 095104

A=214

^{214}Ra 2011KA23 NUCLEAR REACTIONS ^{208}Pb(^{12}C, X)^{220}Ra, ^{207}Pb(^{13}C, X)^{220}Ra, ^{208}Pb(^{12}C, 2n), (^{12}C, 3n), (^{12}C, 4n), (^{12}C, 5n), (^{12}C, 6n), (^{12}C, nα), (^{12}C, 3nα), (^{12}C, 4nα), (^{12}C, 5nα), ^{207}Pb(^{13}C, 3n), (^{13}C, 4n), (^{13}C, 5n), (^{13}C, 6n), (^{13}C, 3nα), (^{13}C, 4nα), ^{207}Pb(^{13}C, F), (^{13}C, xn), ^{208}Pb(^{12}C, F), (^{12}C, xn), E=58-94 MeV; measured reaction products; deduced fusion σ. deduced incomplete fusion. Comparison with with the single-barrier penetration model calculations. JOUR JPGPE 38 095104

A=215

^{215}Rn	2011KA23	NUCLEAR REACTIONS ^{208}Pb(^{12}C, X)^{220}Ra, ^{207}Pb(^{13}C, X)^{220}Ra, ^{208}Pb(^{12}C, 2n), (^{12}C, 3n), (^{12}C, 4n), (^{12}C, 5n), (^{12}C, 6n), (^{12}C, nα), (^{12}C, 3nα), (^{12}C, 4nα), (^{12}C, 5nα), ^{207}Pb(^{13}C, 3n), (^{13}C, 4n), (^{13}C, 5n), (^{13}C, 6n), (^{13}C, 3nα), (^{13}C, 4nα), ^{207}Pb(^{13}C, F), (^{13}C, xn), ^{208}Pb(^{12}C, F), (^{12}C, xn), E=58-94 MeV; measured reaction products; deduced fusion σ. deduced incomplete fusion. Comparison with with the single-barrier penetration model calculations. JOUR JPGPE 38 095104
^{215}Ra	2011KA23	NUCLEAR REACTIONS ^{208}Pb(^{12}C, X)^{220}Ra, ^{207}Pb(^{13}C, X)^{220}Ra, ^{208}Pb(^{12}C, 2n), (^{12}C, 3n), (^{12}C, 4n), (^{12}C, 5n), (^{12}C, 6n), (^{12}C, nα), (^{12}C, 3nα), (^{12}C, 4nα), (^{12}C, 5nα), ^{207}Pb(^{13}C, 3n), (^{13}C, 4n), (^{13}C, 5n), (^{13}C, 6n), (^{13}C, 3nα), (^{13}C, 4nα), ^{207}Pb(^{13}C, F), (^{13}C, xn), ^{208}Pb(^{12}C, F), (^{12}C, xn), E=58-94 MeV; measured reaction products; deduced fusion σ. deduced incomplete fusion. Comparison with with the single-barrier penetration model calculations. JOUR JPGPE 38 095104

A=216

^{216}Ra	2011KA23	NUCLEAR REACTIONS ^{208}Pb(^{12}C, X)^{220}Ra, ^{207}Pb(^{13}C, X)^{220}Ra, ^{208}Pb(^{12}C, 2n), (^{12}C, 3n), (^{12}C, 4n), (^{12}C, 5n), (^{12}C, 6n), (^{12}C, nα), (^{12}C, 3nα), (^{12}C, 4nα), (^{12}C, 5nα), ^{207}Pb(^{13}C, 3n), (^{13}C, 4n), (^{13}C, 5n), (^{13}C, 6n), (^{13}C, 3nα), (^{13}C, 4nα), ^{207}Pb(^{13}C, F), (^{13}C, xn), ^{208}Pb(^{12}C, F), (^{12}C, xn), E=58-94 MeV; measured reaction products; deduced fusion σ. deduced incomplete fusion. Comparison with with the single-barrier penetration model calculations. JOUR JPGPE 38 095104
^{216}Th	2011RO20	NUCLEAR REACTIONS ^{208}Pb(^{50}Ti, 2n), E=240 MeV; measured Eγ, Iγ, ce, $\gamma\gamma$-, γ(ce)-coin, γ(t), half-life. ^{256}Rf; deduced levels, J, π, isomers, configurations; calculated energies of two-quasiparticle high-K isomers with the universal Woods-Saxon energies. ^{170}Er(^{50}Ti, 4n)^{216}Th, E=222 MeV; measured Eγ, ce, γ(ce)-coin from isomer, half-life, isomer ratio; used as a test case. JOUR PRVCA 83 064311

A=217

^{217}Ra	2011KA23	NUCLEAR REACTIONS ^{208}Pb(^{12}C, X)^{220}Ra, ^{207}Pb(^{13}C, X)^{220}Ra, ^{208}Pb(^{12}C, 2n), (^{12}C, 3n), (^{12}C, 4n), (^{12}C, 5n), (^{12}C, 6n), (^{12}C, nα), (^{12}C, 3nα), (^{12}C, 4nα), (^{12}C, 5nα), ^{207}Pb(^{13}C, 3n), (^{13}C, 4n), (^{13}C, 5n), (^{13}C, 6n), (^{13}C, 3nα), (^{13}C, 4nα), ^{207}Pb(^{13}C, F), (^{13}C, xn), ^{208}Pb(^{12}C, F), (^{12}C, xn), E=58-94 MeV; measured reaction products; deduced fusion σ. deduced incomplete fusion. Comparison with with the single-barrier penetration model calculations. JOUR JPGPE 38 095104

A=218

^{218}Ra 2011KA23 NUCLEAR REACTIONS ^{208}Pb(^{12}C, X)^{220}Ra, ^{207}Pb(^{13}C, X)^{220}Ra, ^{208}Pb(^{12}C, 2n), (^{12}C, 3n), (^{12}C, 4n), (^{12}C, 5n), (^{12}C, 6n), (^{12}C, nα), (^{12}C, 3nα), (^{12}C, 4nα), (^{12}C, 5nα), ^{207}Pb(^{13}C, 3n), (^{13}C, 4n), (^{13}C, 5n), (^{13}C, 6n), (^{13}C, 3nα), (^{13}C, 4nα), ^{207}Pb(^{13}C, F), (^{13}C, xn), ^{208}Pb(^{12}C, F), (^{12}C, xn), E=58-94 MeV; measured reaction products; deduced fusion σ. deduced incomplete fusion. Comparison with with the single-barrier penetration model calculations. JOUR JPGPE 38 095104

A=219

No references found

A=220

^{220}Rn 2011KI16 RADIOACTIVITY ^{232,233}U(α); ^{228,229}Th(α)[from ^{232,233}U α decay]; measured Eα, Iα. ^{229}Th; deduced half-life of ground state by the method of activity ratios and growth times. Comparison with previous measurements. ^{224}Ra, ^{225}Ac(α); measured Eα, Iα. JOUR PRVCA 84 014316

^{220}Ra 2011KA23 NUCLEAR REACTIONS ^{208}Pb(^{12}C, X)^{220}Ra, ^{207}Pb(^{13}C, X)^{220}Ra, ^{208}Pb(^{12}C, 2n), (^{12}C, 3n), (^{12}C, 4n), (^{12}C, 5n), (^{12}C, 6n), (^{12}C, nα), (^{12}C, 3nα), (^{12}C, 4nα), (^{12}C, 5nα), ^{207}Pb(^{13}C, 3n), (^{13}C, 4n), (^{13}C, 5n), (^{13}C, 6n), (^{13}C, 3nα), (^{13}C, 4nα), ^{207}Pb(^{13}C, F), (^{13}C, xn), ^{208}Pb(^{12}C, F), (^{12}C, xn), E=58-94 MeV; measured reaction products; deduced fusion σ. deduced incomplete fusion. Comparison with with the single-barrier penetration model calculations. JOUR JPGPE 38 095104

A=221

^{221}Fr 2011KI16 RADIOACTIVITY ^{232,233}U(α); ^{228,229}Th(α)[from ^{232,233}U α decay]; measured Eα, Iα. ^{229}Th; deduced half-life of ground state by the method of activity ratios and growth times. Comparison with previous measurements. ^{224}Ra, ^{225}Ac(α); measured Eα, Iα. JOUR PRVCA 84 014316

A=222

No references found

A=223

No references found

A=224

^{224}Ra	2011KI16	RADIOACTIVITY ^{232,233}U(α); ^{228,229}Th(α)[from ^{232,233}U α decay]; measured Eα, Iα. ^{229}Th; deduced half-life of ground state by the method of activity ratios and growth times. Comparison with previous measurements. ^{224}Ra, ^{225}Ac(α); measured Eα, Iα. JOUR PRVCA 84 014316

A=225

^{225}Ra	2011KI16	RADIOACTIVITY ^{232,233}U(α); ^{228,229}Th(α)[from ^{232,233}U α decay]; measured Eα, Iα. ^{229}Th; deduced half-life of ground state by the method of activity ratios and growth times. Comparison with previous measurements. ^{224}Ra, ^{225}Ac(α); measured Eα, Iα. JOUR PRVCA 84 014316
^{225}Ac	2011KI16	RADIOACTIVITY ^{232,233}U(α); ^{228,229}Th(α)[from ^{232,233}U α decay]; measured Eα, Iα. ^{229}Th; deduced half-life of ground state by the method of activity ratios and growth times. Comparison with previous measurements. ^{224}Ra, ^{225}Ac(α); measured Eα, Iα. JOUR PRVCA 84 014316

A=226

No references found

A=227

No references found

A=228

^{228}Th	2011KI16	RADIOACTIVITY ^{232,233}U(α); ^{228,229}Th(α)[from ^{232,233}U α decay]; measured Eα, Iα. ^{229}Th; deduced half-life of ground state by the method of activity ratios and growth times. Comparison with previous measurements. ^{224}Ra, ^{225}Ac(α); measured Eα, Iα. JOUR PRVCA 84 014316

A=229

^{229}Th	2011KI16	RADIOACTIVITY ^{232,233}U(α); ^{228,229}Th(α)[from ^{232,233}U α decay]; measured Eα, Iα. ^{229}Th; deduced half-life of ground state by the method of activity ratios and growth times. Comparison with previous measurements. ^{224}Ra, ^{225}Ac(α); measured Eα, Iα. JOUR PRVCA 84 014316

A=230

No references found

A=231

^{231}Th 2011AD18 NUCLEAR REACTIONS ^{232}Th, U(n, f), (n, γ), (n, 2n), E=1.E-10-1.E3 MeV; measured reaction products, Eγ, Iγ. ^{85m}Kr, ^{93}Y, ^{97}Zr, ^{99}Mo, ^{103}Ru, ^{105}Rh, ^{132}Te, ^{131,133}I, ^{133,135}Xe, ^{140}Ba, ^{141,143}Ce, ^{231}Th, ^{233}Pa, ^{237}U, ^{239}Np deduced reaction rates, $T_{1/2}$. ^{232}Th, U(n, 2n), E=10-2000 MeV; calculated σ using TALYS. ^{232}Th(n, f), E=400 keV, 14, 25, 50, 100, 200 MeV; measured fission products, deduced mass distribution; calculated mass distribution at two lowest energies using TALYS. Neutron flux calculated using MCNPX with LA150 cross section library. JOUR ZAANE 47 85

2011RE13 NUCLEAR REACTIONS ^{232}Th(n, 2n), E=13.57-14.83 MeV; measured reaction products, Eγ, Iγ; deduced σ. Comparison with nuclear model calculations and ENDF / B-VII, ENDF / B-VI, ROSFOND-2010, JENDL-4.0, JENDL-3.3 and JEFF-3.1 evaluated nuclear libraries. JOUR ANEND 38 2359

A=232

^{232}Th 2011RO26 NUCLEAR REACTIONS ^{232}Th(α, α'), E=16-30 MeV; measured Eα, Iα, quasi-elastic-scattering σ(E); deduced fusion-barrier distribution and width. ^{232}Th(^{12}C, ^{12}C'), E(cm)=52-77 MeV; ^{232}Th(^{16}O, ^{16}O'), E(cm)=70-97 MeV; ^{232}Th(^{19}F, ^{19}F'), E(cm)=77-102 MeV; analyzed fusion-barrier distributions and widths. Comparison with coupled-channel fusion model calculations. JOUR PRVCA 84 011602

^{232}U 2011KI16 RADIOACTIVITY ^{232,233}U(α); ^{228,229}Th(α)[from ^{232,233}U α decay]; measured Eα, Iα. ^{229}Th; deduced half-life of ground state by the method of activity ratios and growth times. Comparison with previous measurements. ^{224}Ra, ^{225}Ac(α); measured Eα, Iα. JOUR PRVCA 84 014316

A=233

^{233}Th 2011AD18 NUCLEAR REACTIONS ^{232}Th, U(n, f), (n, γ), (n, 2n), E=1.E-10-1.E3 MeV; measured reaction products, Eγ, Iγ. ^{85m}Kr, ^{93}Y, ^{97}Zr, ^{99}Mo, ^{103}Ru, ^{105}Rh, ^{132}Te, ^{131,133}I, ^{133,135}Xe, ^{140}Ba, ^{141,143}Ce, ^{231}Th, ^{233}Pa, ^{237}U, ^{239}Np deduced reaction rates, $T_{1/2}$. ^{232}Th, U(n, 2n), E=10-2000 MeV; calculated σ using TALYS. ^{232}Th(n, f), E=400 keV, 14, 25, 50, 100, 200 MeV; measured fission products, deduced mass distribution; calculated mass distribution at two lowest energies using TALYS. Neutron flux calculated using MCNPX with LA150 cross section library. JOUR ZAANE 47 85

A=233 *(continued)*

^{233}Pa	2011AD18	NUCLEAR REACTIONS ^{232}Th, U(n, f), (n, γ), (n, 2n), E=1.E-10-1.E3 MeV; measured reaction products, Eγ, Iγ. ^{85m}Kr, ^{93}Y, ^{97}Zr, ^{99}Mo, ^{103}Ru, ^{105}Rh, ^{132}Te, ^{131,133}I, ^{133,135}Xe, ^{140}Ba, ^{141,143}Ce, ^{231}Th, ^{233}Pa, ^{237}U, ^{239}Np deduced reaction rates, $T_{1/2}$. ^{232}Th, U(n, 2n), E=10-2000 MeV; calculated σ using TALYS. ^{232}Th(n, f), E=400 keV, 14, 25, 50, 100, 200 MeV; measured fission products, deduced mass distribution; calculated mass distribution at two lowest energies using TALYS. Neutron flux calculated using MCNPX with LA150 cross section library. JOUR ZAANE 47 85
	2011KO32	RADIOACTIVITY ^{233}Pa(β^-) [from ^{237}Nb(α)]; measured decay products, Eγ, Iγ, Eα, Iα; deduced γ-emission probabilities. Comparison with experimental data. JOUR NIMAE 652 654
^{233}U	2011KI16	RADIOACTIVITY ^{232,233}U(α); ^{228,229}Th(α)[from ^{232,233}U α decay]; measured Eα, Iα. ^{229}Th; deduced half-life of ground state by the method of activity ratios and growth times. Comparison with previous measurements. ^{224}Ra, ^{225}Ac(α); measured Eα, Iα. JOUR PRVCA 84 014316
	2011KO30	NUCLEAR REACTIONS ^{234}U(polarized d, t), E=22 MeV; measured E(t), I(t), $\sigma(\theta)$, analyzing powers using Q3D spectrometer. ^{233}U; deduced levels, J, π, rotational bands, spectroscopic strengths and fingerprints for bands, Nilsson configurations. DWBA analysis. Comparison with previous data. JOUR PRVCA 84 014334
	2011KO32	RADIOACTIVITY ^{233}Pa(β^-) [from ^{237}Nb(α)]; measured decay products, Eγ, Iγ, Eα, Iα; deduced γ-emission probabilities. Comparison with experimental data. JOUR NIMAE 652 654

A=234

No references found

A=235

No references found

A=236

^{236}U	2010JIZZ	NUCLEAR REACTIONS ^{93}Nb(n, 2n), ^{238}U(n, 3n), E=14 MeV; measured σ using AMS (Accelerator Mass Spectrometry). CONF Tsukuba(Nuclear Physics Trends) Proc.P144,Jiang

A=237

^{237}U	2011AD18	NUCLEAR REACTIONS ^{232}Th, U(n, f), (n, γ), (n, 2n), E=1.E-10-1.E3 MeV; measured reaction products, Eγ, Iγ. ^{85m}Kr, ^{93}Y, ^{97}Zr, ^{99}Mo, ^{103}Ru, ^{105}Rh, ^{132}Te, ^{131,133}I, ^{133,135}Xe, ^{140}Ba, ^{141,143}Ce, ^{231}Th, ^{233}Pa, ^{237}U, ^{239}Np deduced reaction rates, $T_{1/2}$. ^{232}Th, U(n, 2n), E=10-2000 MeV; calculated σ using TALYS. ^{232}Th(n, f), E=400 keV, 14, 25, 50, 100, 200 MeV; measured fission products, deduced mass distribution; calculated mass distribution at two lowest energies using TALYS. Neutron flux calculated using MCNPX with LA150 cross section library. JOUR ZAANE 47 85
	2011ZH26	NUCLEAR REACTIONS ^{85,87}Rb, ^{89}Y, ^{140,142}Ce, ^{169}Tm, ^{175}Lu, ^{181}Ta, ^{185}Re, ^{238}U(n, 2n), E=14 MeV; measured reaction products, Eγ, Iγ; deduced σ. Comparison with ENDF / B-VII.0 evaluated nuclear data library. JOUR NSENA 169 188

A=238

No references found

A=239

^{239}Np	2011AD18	NUCLEAR REACTIONS ^{232}Th, U(n, f), (n, γ), (n, 2n), E=1.E-10-1.E3 MeV; measured reaction products, Eγ, Iγ. ^{85m}Kr, ^{93}Y, ^{97}Zr, ^{99}Mo, ^{103}Ru, ^{105}Rh, ^{132}Te, ^{131,133}I, ^{133,135}Xe, ^{140}Ba, ^{141,143}Ce, ^{231}Th, ^{233}Pa, ^{237}U, ^{239}Np deduced reaction rates, $T_{1/2}$. ^{232}Th, U(n, 2n), E=10-2000 MeV; calculated σ using TALYS. ^{232}Th(n, f), E=400 keV, 14, 25, 50, 100, 200 MeV; measured fission products, deduced mass distribution; calculated mass distribution at two lowest energies using TALYS. Neutron flux calculated using MCNPX with LA150 cross section library. JOUR ZAANE 47 85

A=240

No references found

A=241

^{241}Pu	2009WE08	RADIOACTIVITY ^{241}Pu(β^-); measured half-life by ratios of ^{241}Pu / ^{240}Pu and ^{240}Pu / ^{239}Pu activities over 30-year year interval. JOUR JASPE 24 801
^{241}Am	2009WE08	RADIOACTIVITY ^{241}Pu(β^-); measured half-life by ratios of ^{241}Pu / ^{240}Pu and ^{240}Pu / ^{239}Pu activities over 30-year year interval. JOUR JASPE 24 801

A=242

No references found

A=243

No references found

A=244

No references found

A=245

No references found

A=246

No references found

A=247

No references found

A=248

^{248}Cm	2011RZ01	RADIOACTIVITY ^{248}Cm(SF); measured Eγ, Iγ, $\gamma\gamma$-coin, $\gamma\gamma(\theta)$, using EUROGAM-2 array. ^{143}Xe; deduced levels, J, π, conversion coefficients, multipolarity, bands, configurations. Comparison with quasiparticle-rotor model calculations with a reflection-symmetric potential. Systematics of bandheads of N=89 nuclei. JOUR PRVCA 83 067301

A=249

No references found

A=250

No references found

A=251

No references found

A=252

^{252}Cf	2010ZHZT	RADIOACTIVITY ^{252}Cf(SF); measured Eγ, Iγ, $\gamma\gamma$-coin. ^{103}Nb, ^{105,106}Mo, ^{107,108}Tc, ^{110,112}Ru deduced levels, J, π, collective vibrational, rotational bands. CONF Tsukuba(Nuclear Physics Trends) Proc.P253,Zhu
	2011KAZY	RADIOACTIVITY ^{252}Cf(SF); measured fission fragment mass, (fragment)(fragment)-coin, n(fragment)-coin. CONF Dubna(ISINN-18),P102,Kamanin
	2011LI25	RADIOACTIVITY ^{252}Cf(SF); measured Eγ, Iγ, $\gamma\gamma$-coin, fission yields ratios using the Gammasphere array. ^{114}Rh; deduced levels, J, π, rotational bands, signature inversion, configurations. Comparison with Triaxial Projected Shell Model calculations. Systematics of negative-parity yrast bands of odd-odd Rh nuclei with A=104-114. JOUR PRVCA 83 064310
	2011LI29	RADIOACTIVITY ^{252}Cf(SF); measured Eγ, Iγ, $\gamma\gamma$-coin using Gammasphere array. ^{115}Rh; deduced levels, J, π, bands, moment of inertia, signature splitting, fission yield ratios. Comparison with Rotor plus particle model calculations. Systematics of level energies, signature splittings and moments of inertia plots of ^{107,109,111,113,115}Rh nuclei. JOUR PRVCA 84 014304
	2011LI34	RADIOACTIVITY ^{252}Cf(SF); measured decay products, Eγ, Iγ, γ-γ-γ-coin. ^{88,90,92}Kr, ^{86}Se; deduced level schemes, energies, J, π. Comparison with nuclear systematics and angular correlation measurements. JOUR IMPEE 20 1825

A=253

^{253}No	2010HAZN	NUCLEAR REACTIONS ^{207}Pb(^{48}Ca, 2n), E=220 MeV; measured reaction products, (ER)α-correlations, Eγ, Iγ, (DSSD)γ-coin, X-rays. ^{253}No deduced decay partial scheme. DSDD (Double-Sided Si-Strip Detector), analysis in progress. CONF Kobe(Tours Nuc.Phys.and Astroph.VII) Proc.P337,Hauschild

A=254

No references found

A=255

No references found

A=256

^{256}Rf 2011RO20 NUCLEAR REACTIONS ^{208}Pb(^{50}Ti, 2n), E=240 MeV; measured Eγ, Iγ, ce, $\gamma\gamma$-, γ(ce)-coin, γ(t), half-life. ^{256}Rf; deduced levels, J, π, isomers, configurations; calculated energies of two-quasiparticle high-K isomers with the universal Woods-Saxon energies. ^{170}Er(^{50}Ti, 4n)^{216}Th, E=222 MeV; measured Eγ, ce, γ(ce)-coin from isomer, half-life, isomer ratio; used as a test case. JOUR PRVCA 83 064311

A=257

No references found

A=258

^{258}Lr 2010MOZV RADIOACTIVITY ^{266}Bh(α)[from ^{248}Cm(^{23}Na, 5n)];^{262}Db(α)[from ^{266}Bh]; measured evaporation residues, Eα, Iα, $\alpha\alpha$-coin, (SF)α-coin, $\alpha\alpha$-correlations, (SF)α-correlations; deduced $T_{1/2}$, Q-values. CONF Kobe(Tours Nuc.Phys.and Astroph.VII) Proc.P331,Morita

A=259

No references found

A=260

^{260}Sg 2011SA41 RADIOACTIVITY ^{264,265}Hs(α), (SF) [from ^{208}Pb(^{58}Fe, 2n), ^{207,208}Pb(^{58}Fe, n), E(cm)=200-227 MeV]; measured Eα, Iα; deduced α-particle energies, α and spontaneous fission branches, Q-values, $T_{1/2}$. JOUR JUPSA 80 094201

A=261

^{261}Sg 2011SA41 RADIOACTIVITY ^{264,265}Hs(α), (SF) [from ^{208}Pb(^{58}Fe, 2n), ^{207,208}Pb(^{58}Fe, n), E(cm)=200-227 MeV]; measured Eα, Iα; deduced α-particle energies, α and spontaneous fission branches, Q-values, $T_{1/2}$. JOUR JUPSA 80 094201

A=262

^{262}Db 2010MOZV RADIOACTIVITY ^{266}Bh(α)[from ^{248}Cm(^{23}Na, 5n)];^{262}Db(α)[from ^{266}Bh]; measured evaporation residues, Eα, Iα, $\alpha\alpha$-coin, (SF)α-coin, $\alpha\alpha$-correlations, (SF)α-correlations; deduced $T_{1/2}$, Q-values. CONF Kobe(Tours Nuc.Phys.and Astroph.VII) Proc.P331,Morita

A=263

No references found

A=264

^{264}Hs	2011SA41	NUCLEAR REACTIONS ^{208}Pb(^{58}Fe, 2n), ^{207,208}Pb(^{58}Fe, n), E(cm)=200-227 MeV; measured reaction products; deduced σ. JOUR JUPSA 80 094201
	2011SA41	RADIOACTIVITY ^{264,265}Hs(α), (SF) [from ^{208}Pb(^{58}Fe, 2n), ^{207,208}Pb(^{58}Fe, n), E(cm)=200-227 MeV]; measured Eα, Iα; deduced α-particle energies, α and spontaneous fission branches, Q-values, $T_{1/2}$. JOUR JUPSA 80 094201

A=265

^{265}Hs	2011SA41	NUCLEAR REACTIONS ^{208}Pb(^{58}Fe, 2n), ^{207,208}Pb(^{58}Fe, n), E(cm)=200-227 MeV; measured reaction products; deduced σ. JOUR JUPSA 80 094201
	2011SA41	RADIOACTIVITY ^{264,265}Hs(α), (SF) [from ^{208}Pb(^{58}Fe, 2n), ^{207,208}Pb(^{58}Fe, n), E(cm)=200-227 MeV]; measured Eα, Iα; deduced α-particle energies, α and spontaneous fission branches, Q-values, $T_{1/2}$. JOUR JUPSA 80 094201

A=266

^{266}Rf	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429
^{266}Db	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429

A=266 ***(continued)***

^{266}Sg	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429
^{266}Bh	2010MOZV	RADIOACTIVITY ^{266}Bh(α)[from ^{248}Cm(^{23}Na, 5n)];^{262}Db(α)[from ^{266}Bh]; measured evaporation residues, Eα, Iα, $\alpha\alpha$-coin, (SF)α-coin, $\alpha\alpha$-correlations, (SF)α-correlations; deduced $T_{1/2}$, Q-values. CONF Kobe(Tours Nuc.Phys.and Astroph.VII) Proc.P331,Morita
^{266}Hs	2011IT06	NUCLEAR REACTIONS ^{249}Cf(^{22}Ne, X)^{271}Hs*, E=102, 127 MeV; ^{248}Cm(^{26}Mg, X)^{274}Hs*, E=129, 143, 160 MeV; ^{238}U(^{36}S, X)^{274}Hs*, E=173, 179, 186, 198 MeV; ^{208}Pb(^{58}Fe, X)^{266}Hs*, E=289, 305, 315, 324 MeV; measured binary reaction product spectra in coincidence mode using TOF; deduced yields, mass-energy and TKE distributions of binary products. Comparison of measured fragment mass-energy distributions with those expected for fission processes of excited compound nucleus in the framework of the liquid drop model and empirical systematics. JOUR PRVCA 83 064613

A=267

^{267}Rf	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429

A=268

^{268}Rf	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429

A=268 ***(continued)***

^{268}Db	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429

A=269

^{269}Db	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429

A=270

^{270}Rf	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429
^{270}Db	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429
^{270}Bh	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429

A=270 ***(continued)***

^{270}Hs	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429

A=271

^{271}Sg	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429
^{271}Bh	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429
^{271}Hs	2011IT06	NUCLEAR REACTIONS ^{249}Cf(^{22}Ne, X)^{271}Hs*, E=102, 127 MeV; ^{248}Cm(^{26}Mg, X)^{274}Hs*, E=129, 143, 160 MeV; ^{238}U(^{36}S, X)^{274}Hs*, E=173, 179, 186, 198 MeV; ^{208}Pb(^{58}Fe, X)^{266}Hs*, E=289, 305, 315, 324 MeV; measured binary reaction product spectra in coincidence mode using TOF; deduced yields, mass-energy and TKE distributions of binary products. Comparison of measured fragment mass-energy distributions with those expected for fission processes of excited compound nucleus in the framework of the liquid drop model and empirical systematics. JOUR PRVCA 83 064613

A=272

^{272}Bh	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429

A=273

No references found

A=274

^{274}Bh	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429
^{274}Hs	2011IT06	NUCLEAR REACTIONS ^{249}Cf(^{22}Ne, X)^{271}Hs*, E=102, 127 MeV; ^{248}Cm(^{26}Mg, X)^{274}Hs*, E=129, 143, 160 MeV; ^{238}U(^{36}S, X)^{274}Hs*, E=173, 179, 186, 198 MeV; ^{208}Pb(^{58}Fe, X)^{266}Hs*, E=289, 305, 315, 324 MeV; measured binary reaction product spectra in coincidence mode using TOF; deduced yields, mass-energy and TKE distributions of binary products. Comparison of measured fragment mass-energy distributions with those expected for fission processes of excited compound nucleus in the framework of the liquid drop model and empirical systematics. JOUR PRVCA 83 064613
^{274}Mt	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429

A=275

^{275}Hs	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429

A=275 ***(continued)***

^{275}Mt	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429

A=276

^{276}Mt	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429

A=277

No references found

A=278

^{278}Mt	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429
^{278}Rg	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429

A=279

^{279}Ds	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429
^{279}Rg	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429

A=280

^{280}Rg	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429

A=281

^{281}Ds	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429
^{281}Rg	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429

A=282

^{282}Rg	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429
^{282}113	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429

A=283

^{283}113	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429

A=284

^{284}113	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429

A=285

^{285}113 20110G07 RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429

A=286

^{286}113 20110G07 RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429

^{286}114 20110G07 RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429

A=287

^{287}114 20110G07 RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429

^{287}115 20110G07 RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429

A=288

^{288}Ds	2011DE21	ATOMIC MASSES ^{288,289,290,291,292,293,294,295}Ds, ^{292,293,294,295,296,297,298,299}114, ^{293,294,295,296,297,298,299,300}115; measured abundance in natural platinum, lead, and bismuth samples using accelerator mass spectrometry (AMS) technique. Comparison with previous data. Ultrasensitive search for SHE in natural Pt, Pb and Bi samples proved negative with upper limits established. JOUR PRVCA 83 065806
^{288}114	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429
^{288}115	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429

A=289

^{289}Ds	2011DE21	ATOMIC MASSES ^{288,289,290,291,292,293,294,295}Ds, ^{292,293,294,295,296,297,298,299}114, ^{293,294,295,296,297,298,299,300}115; measured abundance in natural platinum, lead, and bismuth samples using accelerator mass spectrometry (AMS) technique. Comparison with previous data. Ultrasensitive search for SHE in natural Pt, Pb and Bi samples proved negative with upper limits established. JOUR PRVCA 83 065806
^{289}114	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429

A=289 *(continued)*

^{289}115	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429

A=290

^{290}Ds	2011DE21	ATOMIC MASSES ^{288,289,290,291,292,293,294,295}Ds, ^{292,293,294,295,296,297,298,299}114, ^{293,294,295,296,297,298,299,300}115; measured abundance in natural platinum, lead, and bismuth samples using accelerator mass spectrometry (AMS) technique. Comparison with previous data. Ultrasensitive search for SHE in natural Pt, Pb and Bi samples proved negative with upper limits established. JOUR PRVCA 83 065806
^{290}115	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429
^{290}116	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429

A=291

^{291}Ds	2011DE21	ATOMIC MASSES ^{288,289,290,291,292,293,294,295}Ds, ^{292,293,294,295,296,297,298,299}114, ^{293,294,295,296,297,298,299,300}115; measured abundance in natural platinum, lead, and bismuth samples using accelerator mass spectrometry (AMS) technique. Comparison with previous data. Ultrasensitive search for SHE in natural Pt, Pb and Bi samples proved negative with upper limits established. JOUR PRVCA 83 065806

A=291 ***(continued)***

^{291}116	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429

A=292

^{292}Ds	2011DE21	ATOMIC MASSES ^{288,289,290,291,292,293,294,295}Ds, ^{292,293,294,295,296,297,298,299}114, ^{293,294,295,296,297,298,299,300}115; measured abundance in natural platinum, lead, and bismuth samples using accelerator mass spectrometry (AMS) technique. Comparison with previous data. Ultrasensitive search for SHE in natural Pt, Pb and Bi samples proved negative with upper limits established. JOUR PRVCA 83 065806
^{292}114	2011DE21	ATOMIC MASSES ^{288,289,290,291,292,293,294,295}Ds, ^{292,293,294,295,296,297,298,299}114, ^{293,294,295,296,297,298,299,300}115; measured abundance in natural platinum, lead, and bismuth samples using accelerator mass spectrometry (AMS) technique. Comparison with previous data. Ultrasensitive search for SHE in natural Pt, Pb and Bi samples proved negative with upper limits established. JOUR PRVCA 83 065806
^{292}116	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429

A=293

^{293}Ds	2011DE21	ATOMIC MASSES ^{288,289,290,291,292,293,294,295}Ds, ^{292,293,294,295,296,297,298,299}114, ^{293,294,295,296,297,298,299,300}115; measured abundance in natural platinum, lead, and bismuth samples using accelerator mass spectrometry (AMS) technique. Comparison with previous data. Ultrasensitive search for SHE in natural Pt, Pb and Bi samples proved negative with upper limits established. JOUR PRVCA 83 065806

A=293 ***(continued)***

^{293}114	2011DE21	ATOMIC MASSES ^{288,289,290,291,292,293,294,295}Ds, ^{292,293,294,295,296,297,298,299}114, ^{293,294,295,296,297,298,299,300}115; measured abundance in natural platinum, lead, and bismuth samples using accelerator mass spectrometry (AMS) technique. Comparison with previous data. Ultrasensitive search for SHE in natural Pt, Pb and Bi samples proved negative with upper limits established. JOUR PRVCA 83 065806
^{293}115	2011DE21	ATOMIC MASSES ^{288,289,290,291,292,293,294,295}Ds, ^{292,293,294,295,296,297,298,299}114, ^{293,294,295,296,297,298,299,300}115; measured abundance in natural platinum, lead, and bismuth samples using accelerator mass spectrometry (AMS) technique. Comparison with previous data. Ultrasensitive search for SHE in natural Pt, Pb and Bi samples proved negative with upper limits established. JOUR PRVCA 83 065806
^{293}116	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429
^{293}117	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429

A=294

^{294}Ds	2011DE21	ATOMIC MASSES ^{288,289,290,291,292,293,294,295}Ds, ^{292,293,294,295,296,297,298,299}114, ^{293,294,295,296,297,298,299,300}115; measured abundance in natural platinum, lead, and bismuth samples using accelerator mass spectrometry (AMS) technique. Comparison with previous data. Ultrasensitive search for SHE in natural Pt, Pb and Bi samples proved negative with upper limits established. JOUR PRVCA 83 065806
^{294}114	2011DE21	ATOMIC MASSES ^{288,289,290,291,292,293,294,295}Ds, ^{292,293,294,295,296,297,298,299}114, ^{293,294,295,296,297,298,299,300}115; measured abundance in natural platinum, lead, and bismuth samples using accelerator mass spectrometry (AMS) technique. Comparison with previous data. Ultrasensitive search for SHE in natural Pt, Pb and Bi samples proved negative with upper limits established. JOUR PRVCA 83 065806

A=294 ***(continued)***

^{294}115	2011DE21	ATOMIC MASSES ^{288,289,290,291,292,293,294,295}Ds, ^{292,293,294,295,296,297,298,299}114, ^{293,294,295,296,297,298,299,300}115; measured abundance in natural platinum, lead, and bismuth samples using accelerator mass spectrometry (AMS) technique. Comparison with previous data. Ultrasensitive search for SHE in natural Pt, Pb and Bi samples proved negative with upper limits established. JOUR PRVCA 83 065806
^{294}117	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429
^{294}118	2011OG07	RADIOACTIVITY ^{267}Rf(SF), ^{266,268,270}Db(SF), (EC), ^{269}Db(SF), ^{266}Sg(SF), ^{271}Sg(α), (SF), ^{270,272,274}Bh(α), ^{270,275}Hs(α), ^{274,275,276,278}Mt(α), ^{279}Ds(SF), (α), ^{281}Ds(SF), ^{278,279,280,282}Rg(α), ^{281}Rg(SF), ^{282,284}Cn(SF), ^{285}Cn(α), ^{283}Cn(α), (SF), ^{282,283,284,285,286}113, ^{286}114(α), (SF), ^{287,288,289}114, ^{287,288,289,290}115, ^{290,291,292,293}116, ^{293,294}117, ^{294}118(α); measured decay and fission products, Eα, Iα; deduced decay mode, $T_{1/2}$, energy, Q-value. Comparison with theoretical calculations. JOUR RAACA 99 429

A=295

^{295}Ds	2011DE21	ATOMIC MASSES ^{288,289,290,291,292,293,294,295}Ds, ^{292,293,294,295,296,297,298,299}114, ^{293,294,295,296,297,298,299,300}115; measured abundance in natural platinum, lead, and bismuth samples using accelerator mass spectrometry (AMS) technique. Comparison with previous data. Ultrasensitive search for SHE in natural Pt, Pb and Bi samples proved negative with upper limits established. JOUR PRVCA 83 065806
^{295}114	2011DE21	ATOMIC MASSES ^{288,289,290,291,292,293,294,295}Ds, ^{292,293,294,295,296,297,298,299}114, ^{293,294,295,296,297,298,299,300}115; measured abundance in natural platinum, lead, and bismuth samples using accelerator mass spectrometry (AMS) technique. Comparison with previous data. Ultrasensitive search for SHE in natural Pt, Pb and Bi samples proved negative with upper limits established. JOUR PRVCA 83 065806
^{295}115	2011DE21	ATOMIC MASSES ^{288,289,290,291,292,293,294,295}Ds, ^{292,293,294,295,296,297,298,299}114, ^{293,294,295,296,297,298,299,300}115; measured abundance in natural platinum, lead, and bismuth samples using accelerator mass spectrometry (AMS) technique. Comparison with previous data. Ultrasensitive search for SHE in natural Pt, Pb and Bi samples proved negative with upper limits established. JOUR PRVCA 83 065806

A=296

^{296}114 2011DE21 ATOMIC MASSES ^{288,289,290,291,292,293,294,295}Ds, ^{292,293,294,295,296,297,298,299}114, ^{293,294,295,296,297,298,299,300}115; measured abundance in natural platinum, lead, and bismuth samples using accelerator mass spectrometry (AMS) technique. Comparison with previous data. Ultrasensitive search for SHE in natural Pt, Pb and Bi samples proved negative with upper limits established. JOUR PRVCA 83 065806

^{296}115 2011DE21 ATOMIC MASSES ^{288,289,290,291,292,293,294,295}Ds, ^{292,293,294,295,296,297,298,299}114, ^{293,294,295,296,297,298,299,300}115; measured abundance in natural platinum, lead, and bismuth samples using accelerator mass spectrometry (AMS) technique. Comparison with previous data. Ultrasensitive search for SHE in natural Pt, Pb and Bi samples proved negative with upper limits established. JOUR PRVCA 83 065806

A=297

^{297}114 2011DE21 ATOMIC MASSES ^{288,289,290,291,292,293,294,295}Ds, ^{292,293,294,295,296,297,298,299}114, ^{293,294,295,296,297,298,299,300}115; measured abundance in natural platinum, lead, and bismuth samples using accelerator mass spectrometry (AMS) technique. Comparison with previous data. Ultrasensitive search for SHE in natural Pt, Pb and Bi samples proved negative with upper limits established. JOUR PRVCA 83 065806

^{297}115 2011DE21 ATOMIC MASSES ^{288,289,290,291,292,293,294,295}Ds, ^{292,293,294,295,296,297,298,299}114, ^{293,294,295,296,297,298,299,300}115; measured abundance in natural platinum, lead, and bismuth samples using accelerator mass spectrometry (AMS) technique. Comparison with previous data. Ultrasensitive search for SHE in natural Pt, Pb and Bi samples proved negative with upper limits established. JOUR PRVCA 83 065806

A=298

^{298}114 2011DE21 ATOMIC MASSES ^{288,289,290,291,292,293,294,295}Ds, ^{292,293,294,295,296,297,298,299}114, ^{293,294,295,296,297,298,299,300}115; measured abundance in natural platinum, lead, and bismuth samples using accelerator mass spectrometry (AMS) technique. Comparison with previous data. Ultrasensitive search for SHE in natural Pt, Pb and Bi samples proved negative with upper limits established. JOUR PRVCA 83 065806

A=298 *(continued)*

$^{298}115$	2011DE21	ATOMIC MASSES ^{288,289,290,291,292,293,294,295}Ds, $^{292,293,294,295,296,297,298,299}114$, $^{293,294,295,296,297,298,299,300}115$; measured abundance in natural platinum, lead, and bismuth samples using accelerator mass spectrometry (AMS) technique. Comparison with previous data. Ultrasensitive search for SHE in natural Pt, Pb and Bi samples proved negative with upper limits established. JOUR PRVCA 83 065806

A=299

$^{299}114$	2011DE21	ATOMIC MASSES ^{288,289,290,291,292,293,294,295}Ds, $^{292,293,294,295,296,297,298,299}114$, $^{293,294,295,296,297,298,299,300}115$; measured abundance in natural platinum, lead, and bismuth samples using accelerator mass spectrometry (AMS) technique. Comparison with previous data. Ultrasensitive search for SHE in natural Pt, Pb and Bi samples proved negative with upper limits established. JOUR PRVCA 83 065806
$^{299}115$	2011DE21	ATOMIC MASSES ^{288,289,290,291,292,293,294,295}Ds, $^{292,293,294,295,296,297,298,299}114$, $^{293,294,295,296,297,298,299,300}115$; measured abundance in natural platinum, lead, and bismuth samples using accelerator mass spectrometry (AMS) technique. Comparison with previous data. Ultrasensitive search for SHE in natural Pt, Pb and Bi samples proved negative with upper limits established. JOUR PRVCA 83 065806

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