Visit the Isotope Explorer home page!

76 reference(s) found :

Keynumber: 2001VA11
Reference: Yad.Fiz. 64, No 2, 195 (2001); Phys.Atomic Nuclei 64, 153 (2001)
Authors: E.V.Vasilieva, A.M.Sukhovoj, V.A.Khitrov
Title: Direct Experimental Estimate of Parameters That Determine the Cascade Gamma Decay of Compound States of Heavy Nuclei
Keyword abstract: NUCLEAR REACTIONS ^{113}Cd, ^{123}Te, ^{127}I, ^{149}Sm, ^{155}Gd, ^{159}Tb, ^{169}Tm, ^{180}Hf, ^{189}Os, ^{191}Ir, ^{195}Pt, ^{199}Hg(n,γ),E=thermal; measured Eγ, 2-step photon cascades. ^{114}Cd, ^{124}Te, ^{128}I, ^{150}Sm, ^{156}Gd, ^{160}Tb, ^{170}Tm, ^{181}Hf, ^{190}Os, ^{192}Ir, ^{196}Pt, ^{200}Hg deduced level densities vs excitation energy, sum of radiative strengths for E1 and M1 transitions. Comparison with Statistical Model calculations.

Keynumber: 2000VA13
Reference: Fiz.Elem.Chastits At.Yadra 31, 350 (2000); Phys.Part.Nucl. 31, 170 (2000)
Authors: E.V.Vasileva, A.M.Sukhovoi, V.A.Khitrov
Title: Influence of the Structure of Excited States in Heavy Ions on the Process of Cascade γ-Decay at Energies below the Neutron Binding Energy
Keyword abstract: NUCLEAR REACTIONS ^{127}I, ^{155}, ^{157}Gd, ^{173}Yb, ^{180}Hf, ^{182}W, ^{189}Os, ^{197}Au (n,γ),E not given; analyzed level densities,dipole strength distributions,two-step cascade intensities following neutron capture; deduced structure effects.

Keynumber: 2000NAZY
Reference: INDC(JPN)-185/U (JAERI-Conf 2000-005), p.20 (2000)
Authors: S.Nakamura, H.Harada, T.Katoh
Title: Precise Measurements of Neutron Capture Cross Sections for FP
Keyword abstract: NUCLEAR REACTIONS ^{90}Sr, ^{99}Tc, ^{127}, ^{129}I, ^{133}, ^{134}, ^{135}, ^{137}Cs(n,γ),E=thermal; measured capture σ,resonance integrals.

Keynumber: 1999SU03
Reference: Yad.Fiz. 62, No 1, 24 (1999); Phys.Atomic Nuclei 62, 19 (1999)
Authors: A.M.Sukhovoi, V.A.Khitrov
Title: Experimental Estimate of the Density of Levels in a Heavy Nucleus That Are Excited in (n,γ) Reactions at Excitation Energies of 3 to 4 MeV
Keyword abstract: NUCLEAR REACTIONS ^{113}Cd, ^{123}Te, ^{145}Nd, ^{149}Sm, ^{155}, ^{157}Gd, ^{162}, ^{163}, ^{164}Dy, ^{167}Er, ^{173}, ^{174}Yb, ^{177}, ^{178}, ^{180}Hf, ^{187}, ^{189}Os, ^{195}Pt, ^{199}Hg, ^{127}I, ^{159}Tb, ^{165}Ho, ^{169}Tm, ^{175}Lu, ^{181}Ta, ^{191}Ir, ^{197}Au, ^{124}Te, ^{182}, ^{185}W(n,γ),E=thermal; analyzed Iγ; deduced non-exponential level densities.

Keynumber: 1999NAZZ
Reference: INDC(JPN)-182/U (JAERI-Conf 99-002),p.176 (1999)
Authors: S.Nakamura, K.Furutaka, H.Harada, T.Katoh
Title: Measurements of Thermal Neutron Capture Cross Sections for Some FP Nuclides
Keyword abstract: NUCLEAR REACTIONS ^{80}Se, ^{94}Zr, ^{124}Sn, ^{127}I, ^{133}Cs(n,γ),E=thermal; measured capture σ,resonance integrals.

Keynumber: 1999KA19

Reference: J.Nucl.Sci.Technol.(Tokyo) 36, 223 (1999)
Authors: T.Katoh, S.Nakamura, H.Harada, Y.Ogata
Title: Measurement of Thermal Neutron Capture Cross Section and Resonance Integral of the Reaction $^{127}I(n,\gamma)^{128}I$
Keyword abstract: NUCLEAR REACTIONS $^{127}I(n,\gamma)$,E=thermal; measured Eγ,Iγ(t),capture σ,resonance integral. ^{128}I deduced $T_{1/2}$. Activation technique. Comparison with previous results.

Keynumber: 1999BO14
Reference: Yad.Fiz. 62, No 5, 892 (1999); Phys.Atomic Nuclei 62, 832 (1999)
Authors: S.T.Boneva, E.V.Vasilieva, L.I.Simonova, V.A.Bondarenko, A.M.Sukhovoi, V.A.Khitrov
Title: (n,γ) Reactions in Heavy Nuclei: Manifestations of nuclear structure at excitation energies up to the neutron binding energy
Keyword abstract: NUCLEAR REACTIONS ^{113}Cd, ^{123}, ^{124}Te, ^{127}I, ^{134}, ^{136}, ^{137}, ^{138}Ba, ^{139}La, ^{142}, ^{143}, ^{145}Nd, ^{149}Sm, ^{155}, ^{157}Gd, ^{159}Tb, ^{162}, ^{163}, ^{164}Dy, ^{165}Ho, ^{167}Er, ^{169}Tm, ^{173}, ^{174}, ^{176}Yb, ^{175}, ^{176}Lu, ^{177}, ^{178}, ^{179}, ^{180}Hf, ^{181}Ta, ^{182}, ^{186}W, ^{187}, ^{189}Os, ^{191}Ir, ^{195}Pt, ^{197}Au, ^{199}Hg(n,γ),E not given; analyzed two-photon γ cascade data; deduced structure effects.

Keynumber: 1997SU29
Reference: Bull.Rus.Acad.Sci.Phys. 61, 1611 (1997)
Authors: A.M.Sukhovoi, V.A.Khitrov
Title: Cascade Gamma Decay of the Compound State of Heavy Nucleus as Seen Experimentally
Keyword abstract: NUCLEAR REACTIONS ^{113}Cd, ^{127}I, ^{123}Te, ^{134}, ^{136}, ^{137}, ^{138}Ba, ^{142}, ^{143}, ^{145}Nd, ^{149}Sm, ^{155}, ^{157}Gd, ^{159}Tb, ^{165}Ho, ^{162}, ^{163}, ^{164}Dy, ^{167}Er, ^{169}Tm, ^{173}, ^{174}, ^{176}Yb, ^{175}, ^{176}Lu, ^{177}, ^{178}, ^{179}, ^{180}Hf, ^{195}Pt, ^{199}Hg, ^{181}Ta, ^{182}, ^{186}W, ^{191}Ir, ^{197}Au(n,γ),E=thermal; analyzed γ spectra,$\gamma\gamma$-coin. ^{114}Cd, ^{124}Te, ^{137}, ^{138}, ^{139}Ba, ^{146}Nd, ^{150}Sm, ^{156}, ^{158}Gd, ^{160}Tb, ^{164}Dy, ^{168}Er, ^{170}Tm, ^{174}Yb, ^{181}Hf, ^{196}Pt, ^{200}Hg, ^{182}Ta, ^{183}W, ^{192}Ir, ^{198}Au deduced two-quantum cascade intensities vs excitation energy,level density parameters,pairing features.

Keynumber: 1997MUZV
Reference: Proc.Intern.on Nuclear Data for Science and Technology, Trieste, Italy, 19-24 May, 1997, G.Reffo, A.Ventura, C.Grandi, Eds., Editrice Compositori, Italy, Pt.2, p.1624 (1997)
Authors: S.Mughabghab
Title: Neutron Capture Cross Sections for Nucleosynthesis
Keyword abstract: NUCLEAR REACTIONS ^{93}Nb, ^{127}I, ^{141}Pr, ^{150}, ^{152}, ^{154}Sm, ^{181}Ta(n,γ),E=30 keV; calculated Maxwellian averaged capture σ.

Keynumber: 1997AL29
Reference: Bull.Rus.Acad.Sci.Phys. 61, 1638 (1997)
Authors: M.A.Ali, A.T.Boneva, E.B.Vasileva, A.M.Sukhovoi, V.A.Khitrov
Title: Two-Quantum Gamma Cascades After Thermal Neutron Capture in ^{127}I
Keyword abstract: NUCLEAR REACTIONS $^{127}I(n,\gamma)$,E=thermal; measured Eγ,Iγ,$\gamma\gamma$-coin. ^{128}I levels deduced collective modes contributions.

Keynumber: 1991SA07
Reference: Nucl.Phys. A528, 317 (1991)
Authors: S.L.Sakharov, V.L.Alexeev, I.A.Kondurov, E.K.Leushkin, Yu.E.Loginov, V.V.Martynov, V.L.Rumiantsev, P.A.Sushkov, Yu.L.Khazov, A.I.Egorov, H.Lindner, H.Hiller, T.von Egidy,

G.Hlawatsch, J.Klora, U.Mayerhofer, H.Trieb, A.Walter
Title: Low-Lying ^{128}I Excited States from the (n,γ) Reaction
Keyword abstract: NUCLEAR REACTIONS ^{127}I(n,γ),E=thermal; measured Eγ,Iγ,I(ce),γγ-coin,γγ(t). ^{129}I(d,t),E=15 MeV; analyzed data. ^{127}I(d,p),E=22 MeV; analyzed data. ^{128}I deduced levels,J,π,ICC,γ-multipolarity,γ-branching,$T_{1/2}$,configurations. Ge(Li),Si(Li) detectors,bent-crystal spectrometer,magnetic spectrometer,natural and enriched targets.

Keynumber: 1990SAZK
Reference: Leningrad Nucl.Phys.Inst., 1988-1989 Ann.Rept., p.76 (1990)
Authors: S.L.Sakharov, V.L.Alexeyev, I.A.Kondurov, E.K.Leushkin, Yu.E.Loginov, V.V.Martynov, V.L.Rumiantsev, P.A.Sushkov, Yu.L.Khazov, A.I.Yegorov, G.Hlawatsch, T.von Egidy, H.Lindner
Title: Low-Lying ^{128}I Excited States from (n,γ)-Reaction
Keyword abstract: NUCLEAR REACTIONS ^{127}I(n,γ),E=20-600 keV; measured Eγ,Iγ,I(ce),γγ-coin,γγ(t). ^{127}I(d,p),E=22 MeV; ^{129}I(d,t),E=15 MeV; measured spectra. ^{128}I deduced levels,J,π,$T_{1/2}$,isomers.

Keynumber: 1990IS03
Reference: Z.Phys. A335, 173 (1990)
Authors: M.A.Islam, T.J.Kennett, W.V.Prestwich
Title: A Study of the ^{127}I(n,γ)^{128}I Reaction
Keyword abstract: NUCLEAR REACTIONS ^{127}I(n,γ),E=reactor; measured Eγ,Iγ. ^{128}I deduced levels,possible J,π,electric,magnetic dipole strength,GDR contribution,neutron separation energy.

Keynumber: 1989PE04
Reference: Nucl.Instrum.Methods Phys.Res. B40/41, 1205 (1989)
Authors: R.Pepelnik
Title: Sensitivities of High-Flux 14 MeV Neutron Activation Analysis
Keyword abstract: NUCLEAR REACTIONS ^{11}B, ^{16}O, ^{19}F, ^{20}Ne, ^{23}Na, ^{24}Mg, ^{27}Al, ^{28}Si, ^{34}S, ^{44}Ca, ^{51}V, ^{60}Ni, ^{75}As, ^{109}Ag(n,p), ^{31}P, ^{40}Ar, ^{55}Mn, ^{65}Cu, ^{93}Nb(n,α), ^{35}Cl, ^{45}Sc, ^{64}Zn, ^{71}Ga, ^{76}Ge, ^{80}Se, ^{79}Br, ^{86}Kr, ^{85}Rb, ^{90}Zr, ^{100}Mo, ^{96}Ru, ^{110}Pd, ^{124}Sn, ^{123}Sb, ^{130}Te, ^{136}Xe, ^{133}Cs, ^{138}Ba, ^{140}Ce, ^{141}Pr, ^{142}Nd, ^{144}Sm, ^{160}Gd, ^{159}Tb, ^{165}Ho, ^{164}Er, ^{169}Tm, ^{168}Yb, ^{181}Ta, ^{186}W, ^{198}Pt, ^{191}Ir, ^{197}Au, ^{203}Tl, ^{208}Pb(n,2n),Ti,Cr,Fe,Sr,Cd,Eu,Hf, ^{200}Hg(n,X), ^{59}Co, ^{103}Rh, ^{115}In, ^{127}I, ^{164}Dy, ^{175}Lu, ^{187}Re, ^{226}Ra (n,γ), ^{232}Th, ^{238}U(n,F),E=14 MeV; calculated analytical sensitivities. Activation analysis.

Keynumber: **1989HO01**
Reference: Phys.Rev. C39, 94 (1989)
Authors: Y.-K.Ho, Z.-Y.Pan
Title: Laser-Induced Two-Step Population of Nuclear Resonances Near Neutron Binding Energies
Keyword abstract: NUCLEAR REACTIONS ^{98}Mo, ^{127}I, ^{139}La(n,γ),E=low; calculated capture neutron width enhancement factor. Laser induced excitation.

Keynumber: 1989DU03
Reference: Nucl.Instrum.Methods Phys.Res. A278, 484 (1989)
Authors: P.Durner, T.von Egidy, F.J.Hartmann
Title: Neutron-Capture Gamma Rays below 40 keV
Keyword abstract: NUCLEAR REACTIONS ^{27}Al, ^{39}K, ^{51}V, ^{127}I, ^{133}Cs, ^{159}Tb, ^{165}Ho, ^{169}Tm, ^{175}Lu, ^{181}Ta, ^{191}Ir, ^{197}Au, ^{232}Th(n,γ),E=low; meaured Eγ,absolute Iγ. ^{28}Al, ^{40}K, ^{52}V, ^{128}I, ^{134}Cs,

^{160}Tb, ^{166}Ho, ^{170}Tm, ^{176}Lu, ^{182}Ta, ^{192}Ir, ^{198}Au, ^{233}Th deduced transitions. Si-Li detector.

Keynumber: 1989CV01
Reference: Z.Phys. A332, 163 (1989)
Authors: F.Cvelbar, E.Betak
Title: Exciton Model Comparison of the Activation and the Integrated 14 MeV Neutron Radiative Capture Cross Sections
Keyword abstract: NUCLEAR REACTIONS ^{27}Al, ^{51}V, ^{45}Sc, ^{55}Mn, ^{127}I, ^{141}Pr, ^{208}Pb, ^{209}Bi (n,γ),E=14.1 MeV; calculated σ(E(γ)). Exciton model.

Keynumber: 1984LOZT
Reference: Proc.Conf.Neutron Physics, Kiev, Vol.3, p.20 (1984)
Authors: Ya.E.Loginov, V.V.Martynov, A.V.Murzin, E.I.Fedorova
Title:
Keyword abstract: NUCLEAR REACTIONS ^{127}I(n,γ),E ≈ 2 keV; measured Eγ,Iγ. ^{128}I deduced levels,J,π. Pair spectrometer,Ge(Li) detectors.

Keynumber: 1983MA72
Reference: Nucl.Sci.Eng. 85, 350 (1983)
Authors: R.L.Macklin
Title: Neutron Capture Cross Sections and Resonances of Iodine-127 and Iodine-129
Keyword abstract: NUCLEAR REACTIONS ^{127}I(n,γ),E=3-700 keV; ^{129}I(n,γ),E=3-500 keV; measured average capture σ. ^{128}, ^{130}I deduced resonances, (gΓn), (gΓγ), (gΓγΓn/Γ).

Keynumber: 1983FR29
Reference: Radiochim.Acta 33, 183 (1983)
Authors: L.Friedmann, D.C.Aumann
Title: The Thermal Neutron Cross-Sections and Resonance Integrals of ^{127}I, ^{128}I and ^{129}I
Keyword abstract: NUCLEAR REACTIONS ^{127}, ^{128}, ^{129}I(n,γ),E=thermal; measured effective capture σ. Activation technique,radioactive targets from successive neutron capture in Iodine.

Keynumber: 1981YAZW
Reference: NEANDC(J)-75/U, p.76 (1981)
Authors: N.Yamamuro, K.Saito, T.Emoto, T.Wada, Y.Fujita, K.Kobayashi
Title: Neutron Capture Cross Section Measurements of Nb-93, I-127, Ho-165, Ta-181 and U-238 between 3.2 and 80 keV
Keyword abstract: NUCLEAR REACTIONS ^{93}Nb, ^{127}I, ^{165}Ho, ^{181}Ta, ^{238}U(n,γ),E=3.2-80 keV; measured σ(capture) vs E.

Keynumber: 1981POZW
Reference: JINR-P3-81-721 (1981)
Authors: A.B.Popov, K.Tshetsyak
Title: Parameters of Iodine and Cesium Neutron Resonances in 20-250 eV Range
Keyword abstract: NUCLEAR REACTIONS ^{133}Cs, ^{127}I(n,γ), (n,X),E=20-250 eV; measured transmission. ^{134}Cs, ^{128}I deduced resonances,Γγ,resonance parameters.

Keynumber: 1981ALZM
Reference: Program and Thesis, Proc.31st Ann.Conf.Nucl.Spectrosc.Struct.At.Nuclei, Samarkand, p.93

(1981)
Authors: V.L.Alekseev, L.P.Kabina, I.A.Kondurov, E.K.Leushkin, Yu.E.Loginov, V.B.Martynov, V.L.Rumyantsev, S.L.Sakharov, Yu.L.Khazov
Title:
Keyword abstract: NUCLEAR REACTIONS ^{127}I(n,γ),E=thermal; measured γ-,ce-spectra,γγ-coin. ^{128}I deduced levels,J,π,configurations. Magnetic spectrometer,Ge(Li) detectors.

Keynumber: 1980MA02
Reference: Phys.Scr. 21, 21 (1980)
Authors: G.Magnusson, P.Andersson, I.Bergqvist
Title: 14.7 MeV Neutron Capture Cross-Section Measurements with Activation Technique
Keyword abstract: NUCLEAR REACTIONS ^{23}Na, ^{55}Mn, ^{89}Y, ^{127}I, ^{138}Ba, ^{186}W, ^{197}Au(n,γ),E=14.7 MeV; measured σ. Activation technique.

Keynumber: 1980KOZJ
Reference: Program and Theses, Proc.30th Ann.Conf.Nucl.Spectrosc.At.Nuclei, Leningrad, p.95 (1980)
Authors: I.A.Kondurov, Yu.E.Loginov, V.V.Martynov, E.I.Fedorova
Title: Isomeric Levels in ^{128}I
Keyword abstract: NUCLEAR REACTIONS ^{127}I(n,γ),E=reactor; measured γγ-coin,Eγ. ^{128}I deduced levels,isomer $T_{1/2}$,γ-branching.

Keynumber: 1980BEYE
Coden: CONF Kiev(Neutron Physics) Proc,Part2,P173,Belyaev
Keyword abstract: NUCLEAR REACTIONS ^{121}Sb, ^{127}I(n,γ),E=10-250 eV; measured prompt integrated Iγ vs Eγ. ^{122}Sb, ^{128}I resonances deduced nonstatistical effects in γ-ray intensities.

Keynumber: 1979MAZF
Reference: NEANDC(OR)-152L, p.12 (1979)
Authors: G.Magnusson, P.Andersson, I.Bergqvist
Title: MeV Neutron Capture Cross Section Measurements with Activation Technique
Keyword abstract: NUCLEAR REACTIONS ^{55}Mn, ^{89}Y, ^{127}I, ^{138}Ba, ^{186}W, ^{197}Au(n,γ),E=14-15 MeV; measured σ.

Keynumber: 1979BUZS
Reference: INDC(YUG)-6/L (1979)
Authors: M.Budnar, F.Cvelbar, E.Hodgson, A.Hudoklin, V.Ivkovic, A.Likar, M.V.Mihailovic, R.Martincic, M.Najzer, A.Perdan, M.Potokar, V.Ramsak
Title: Prompt γ-Ray Spectra and Integrated Cross Sections for the Radiative Capture of 14 MeV Neutrons for 28 Natural Targets in the Mass Region from 12 to 208
Keyword abstract: NUCLEAR REACTIONS Mg, ^{27}Al,Si, ^{31}P,S,Ca, ^{45}Sc, ^{51}V,Cr, ^{55}Mn,Fe, ^{59}Co,Cu,Se,Br,Sr, ^{89}Y,In,Sb, ^{127}I,Ba, ^{141}Pr, ^{165}Ho, ^{181}Ta,W,Tl,Pb, ^{209}Bi(n,γ),E=14.6 MeV; measured σ(Eγ).

Keynumber: 1979AG02
Reference: J.Phys.Soc.Jpn. 46, 1 (1979)
Authors: H.M.Agrawal, M.L.Sehgal
Title: Statistical Theory Calculations of Neutron-Capture Cross-Sections at 24 keV
Keyword abstract: NUCLEAR REACTIONS ^{45}Sc, ^{55}Mn, ^{63}, ^{65}Cu, ^{69}, ^{71}Ga, ^{75}As, ^{79}, ^{81}Br, ^{80}Se, ^{85},

^{87}Rb, ^{89}Y, ^{93}Nb, ^{96}Zr, ^{98}, ^{100}Mo, ^{107}, ^{109}Ag, ^{108}Pd, ^{114}Cd, ^{115}In, ^{127}I, ^{133}Cs, ^{138}Ba, ^{139}La, ^{140}, ^{142}Ce, ^{141}Pr, ^{152}, ^{154}Sm, ^{158}, ^{160}Gd, ^{164}Dy, ^{165}Ho, ^{170}Er, ^{175}Lu, ^{180}Hf, ^{181}Ta, ^{184}, ^{186}W, ^{185}, ^{187}Re, ^{197}Au, ^{202}Hg, ^{208}Pb, ^{209}Bi, ^{232}Th(n,γ),E=24 keV; calculated σ; deduced ratio of average Γγ to average level spacing. Margolis formula of statistical theory, low energy resonance parameters.

Keynumber: 1978YA14
Reference: J.Nucl.Sci.Technol. 15, 637 (1979)
Authors: N.Yamamuro, T.Doi, T.Miyagawa, Y.Fujita, K.Kobayashi, R.C.Block
Title: Measurement of Neutron Capture Cross Sections with Fe-Filtered Beam
Keyword abstract: NUCLEAR REACTIONS ^{93}Nb, ^{115}In, ^{127}I, ^{165}Ho, ^{181}Ta, ^{232}Th, ^{238}U(n,γ),E=24 keV; measured σ. Fe-filtered beam.

Keynumber: 1977ROYK
Coden: REPT NEANDC(E)-192U,Vol3,P19,Rohr
Keyword abstract: NUCLEAR REACTIONS ^{127}I(n,X), (n,γ),E=20 eV-5 keV; measured σ(E). ^{128}I resonances deduced neutron resonance parameters,significance for burnup calculations.

Keynumber: 1976SC16
Reference: Nucl.Phys. A264, 105 (1976)
Authors: O.Schwerer, M.Winkler-Rohatsch, H.Warhanek, G.Winkler
Title: Measurement of Cross Sections for 14 MeV Neutron Capture
Keyword abstract: NUCLEAR REACTIONS ^{37}Cl, ^{41}K, ^{50}Ti, ^{51}V, ^{55}Mn, ^{71}Ga, ^{87}Rb, ^{89}Y, ^{127}I, ^{130}Te, ^{138}Ba, ^{139}La, ^{142}Ce, ^{186}W, ^{198}Pt, ^{197}Au(n,γ),E=14.6 MeV; measured σ. Natural targets.

Keynumber: 1975YAZX
Coden: JOUR BAPSA 20 168 HB22
Keyword abstract: NUCLEAR REACTIONS ^{93}Nb,Ag, ^{127}I, ^{165}Ho, ^{198}Au, ^{238}U(n,γ),E approx 24 keV; measured σ.

Keynumber: 1975RIZV
Coden: REPT ERDA/NDC-2, p40, Rimawi
Keyword abstract: NUCLEAR REACTIONS ^{127}I, ^{197}Au, ^{238}U, ^{115}In(n,γ),E=24.3 keV; measured σ.

Keynumber: 1975JAYM
Coden: CONF Petten(Neutron Capture γ-Ray Spect),Proc P165
Keyword abstract: NUCLEAR REACTIONS ^{121}Sb, ^{127}I, ^{159}Tb, ^{197}Au(n,γ),E=1-800 eV; measured γ-spectra; deduced width correlations.

Keynumber: 1974VU01
Reference: Lett.Nuovo Cim. 10, 1 (1974)
Authors: J.Vuletin, P.Kulisic, N.Cindro
Title: Activation Cross-Sections of (n,γ) Reactions at 14 MeV
Keyword abstract: NUCLEAR REACTIONS ^{50}Ti, ^{27}Mg, ^{37}Cl, ^{55}Mn, ^{75}As, ^{127}I, ^{138}Ba, ^{141}Pr, ^{170}Er (n,γ),E=14 MeV; measured σ.

Keynumber: 1974RIZD
Coden: CONF Petten(Neutron Capture Gamma Ray Spectroscopy),P151
Keyword abstract: NUCLEAR REACTIONS ^{27}Al, ^{50}Ti, ^{51}V, ^{103}Rh, ^{127}I, ^{139}La(n,γ),E=14.6 MeV;

measured σ(Eγ).

Keynumber: 1974RI14
Reference: Nucl.Sci.Eng. 55, 17 (1974)
Authors: F.Rigaud, M.G.Desthuilliers, G.Y.Petit, J.L.Irigaray, G.Longo, F.Saporetti
Title: Improved Activation Measurements of (n,γ) Cross Section for 14.6-MeV Neutrons
Keyword abstract: NUCLEAR REACTIONS ^{27}Al, ^{50}Ti, ^{51}V, ^{103}Rh, ^{127}I, ^{139}La(n,γ),E=14.6 MeV; measured σ.

Keynumber: 1974JAZJ
Coden: CONF Petten(Neutron Capture Gamma Ray Spectroscopy),P41
Keyword abstract: NUCLEAR REACTIONS ^{121}Sb, ^{127}I, ^{159}Tb, ^{197}Au(n,γ)E=1-800 eV; measured σ (E,Eγ),analyzed data for non-statistical effects. ^{160}Tb deduced intermediate structure.

Keynumber: 1974JA14
Reference: Nucl.Phys. A223, 509 (1974)
Authors: A.P.Jain, B.Cauvin, A.Lottin
Title: Width Correlations and Intermediate Structure in the n-γ Spectra of Au, Sb, I and Tb
Keyword abstract: NUCLEAR REACTIONS ^{197}Au, ^{121}Sb, ^{127}I, ^{159}Tb(n,γ),E=0-600 eV; measured ratio of high,low energy γ-rays. ^{122}Sb, ^{128}I, ^{160}Tb, ^{198}Au deduced resonances J,π,level-width,width correlations, intermediate structure.

Keynumber: 1973SCYA
Coden: REPT INDC(SEC)-36/L P8
Keyword abstract: NUCLEAR REACTIONS ^{26}Mg, ^{37}Cl, ^{41}K, ^{55}Mn, ^{71}Ga, ^{81}Br, ^{87}Rb, ^{100}Mo, ^{115}In, ^{127}I, ^{133}Cs, ^{138}Ba, ^{139}La, ^{142}Ce, ^{181}Ta, ^{198}Pt(n,γ); measured σ.

Keynumber: 1973SCXT
Coden: REPT HEDL-TME-73-79,F Schmittroth
Keyword abstract: NUCLEAR REACTIONS ^{63}, ^{65}Cu, ^{75}As, ^{79}Br, ^{107}Ag, ^{115}In, ^{71}Ga, ^{103}Rh, ^{127}I, ^{165}Ho, ^{193}Ir, ^{197}Au(n,γ); calculated σ(E).

Keynumber: 1973PE10
Reference: Acta Phys. 33, 363 (1973)
Authors: G.Peto, J.Csikai, G.M.Shuriet, I.Jozsa, V.Asztalos
Title: Average Cross Sections for Pu-α-Be Neutrons; Low-Energy Neutrons from α-n Sources
Keyword abstract: NUCLEAR REACTIONS ^{27}Al, ^{28}Si, ^{31}P(n,p), ^{77}Se, ^{79}Br, ^{87}Sr, ^{89}Y, ^{111}Cd, ^{115}In, ^{135}, ^{137}Ba, ^{197}Au, ^{199}Hg, ^{204}Pb(n,n'γ), ^{76}Se, ^{79}Br, ^{86}Sr, ^{110}Cd, ^{115}In, ^{127}I, ^{134}, ^{136}Ba, ^{197}Au, ^{198}Hg (n,γ), E <2 MeV; measured σ.

Keynumber: 1973LAYT
Reference: INDC(HUN)-11/L, p.26 (1973)
Authors: L.Lakosi, A.Veres
Title: Activation Experiments of Photo-Neutrons by using ^{24}Na-Be Source
Keyword abstract: NUCLEAR REACTIONS ^{55}Mn, ^{114}, ^{116}Cd, ^{115}In, ^{127}I, ^{152}, ^{154}Sm, ^{166}, ^{170}Er, ^{175}Lu, ^{191}, ^{193}Ir(n,γ), ^{107}, ^{109}Ag, ^{111}Cd, ^{115}In, ^{167}Er, ^{176}Lu(n,n'γ); measured σ.

Keynumber: 1973LAYG
Reference: RCN-191 (1973)
Authors: G.Lautenbach
Title: Calculated Neutron Absorption Cross Sections of 75 Fission Products
Keyword abstract: NUCLEAR REACTIONS ^{81}Br, ^{83}, ^{84}, ^{85}, ^{86}Kr, ^{85}, ^{87}Rb, ^{88}, ^{90}Sr, ^{89}Y, ^{91}, ^{92}, ^{93}, ^{94}, ^{95}, ^{96}Zr, ^{95}, ^{97}, ^{98}, ^{100}Mo, ^{99}Tc, ^{101}, ^{102}, ^{104}, ^{106}Ru, ^{103}Rh, ^{105}, ^{106}, ^{107}, ^{108}, ^{110}Pd, ^{109}Ag, ^{111}, ^{112}, ^{113}, ^{114}Cd, ^{115}In, ^{126}, ^{128}, ^{130}Te, ^{127}, ^{129}I, ^{131}, ^{132}, ^{134}, ^{136}Xe, ^{133}, ^{135}, ^{137}Cs, ^{138}Ba, ^{139}La, ^{140}, ^{142}Ce, ^{141}Pr, ^{143}, ^{144}, ^{145}, ^{146}, ^{148}, ^{150}Nd, ^{147}Pm, ^{147}, ^{148}, ^{149}, ^{150}, ^{151}, ^{152}, ^{154}Sm, ^{153}, ^{154}, ^{155}Eu, ^{155}, ^{156}, ^{157}, ^{158}Gd, ^{159}Tb(n,γ); calculated σ(E).

Keynumber: 1973JAYX
Coden: REPT EANDC(E)-157/U Vol2 P11
Keyword abstract: NUCLEAR REACTIONS ^{121}Sb, ^{127}I, ^{159}Tb, ^{197}Au(n,γ); measured Eγ. ^{122}Sb, ^{128}I, ^{160}Tb, ^{198}Au deduced resonances.

Keynumber: 1973HAYX
Reference: ANCR-1129, p.3 (1973)
Authors: Y.D.Harker, R.G.Nisle, E.H.Turk, J.R.Berreth
Title: Integral Capture Cross Section Measurements of Fission Product Isotopes (CFRMF)
Keyword abstract: NUCLEAR REACTIONS ^{87}Rb, ^{99}Tc, ^{102}, ^{104}Ru, ^{115}In, ^{121}, ^{123}Sb, ^{127}I, ^{132}, ^{134}Xe, ^{133}Cs, ^{141}Pr, ^{147}Pm, ^{148}, ^{150}Nd, ^{152}, ^{154}Sm(n,γ),E=reactor spectrum; measured σ.

Keynumber: 1973HAYP
Coden: REPT EANDC(US)-186'U' P6
Keyword abstract: NUCLEAR REACTIONS ^{98}, ^{100}Mo, ^{109}Ag, ^{127}, ^{129}I, ^{139}La, ^{151}, ^{153}Eu, ^{159}Tb, ^{169}Tm, ^{181}Ta(n,γ); measured integral σ.

Keynumber: 1972VA29
Reference: Nucl.Instrum.Methods 103, 549 (1972)
Authors: M.Valkonen, J.Kantele
Title: The Role of Target Geometry in 14 MeV Neutron Capture Cross-Section Measurements
Keyword abstract: NUCLEAR REACTIONS ^{81}Br, ^{103}Rh, ^{127}I, ^{170}Er(n,γ),E=14.5 MeV; measured σ; analyzed target geometry effects.

Keynumber: 1972KA21
Reference: Phys.Lett. 39B, 625 (1972)
Authors: J.Kantele, M.Valkonen
Title: Mass Number Dependence of Activation Capture Cross Sections for 14 MeV Neutrons
Keyword abstract: NUCLEAR REACTIONS ^{51}V, ^{81}Br, ^{103}Rh, ^{127}I, ^{154}Sm, ^{160}Gd, ^{165}Ho, ^{170}Er (n,γ),E=14.5 MeV; measured activation σ.

Keynumber: 1972HAWB
Coden: REPT ANCR-1088,P3,Y Harker,12/11/72
Keyword abstract: NUCLEAR REACTIONS ^{99}Tc, ^{103}Rh, ^{133}Cs, ^{102}Ru, ^{147}Pm, ^{109}Ag, ^{104}Ru, ^{98}Mo, ^{141}Pr, ^{148}Nd, ^{150}Nd, ^{127}I, ^{107}Ag, ^{140}, ^{142}Ce, ^{159}Tb, ^{121}, ^{123}Sb, ^{158}Gd(n,γ); measured σ.

Keynumber: 1972CAYH
Coden: JOUR FZKAA 4 Suppl,59

Keyword abstract: NUCLEAR REACTIONS ^{23}Na, ^{27}Al, ^{37}Cl, ^{55}Mn, ^{41}K, ^{127}I(n,γ),E=14 MeV; measured activation σ.

Keynumber: 1971SC07
Reference: Nucl.Phys. A165, 415 (1971)
Authors: L.A.Schaller, J.Kern, B.Michaud
Title: Study of the Reaction ^{127}I(n,γ)^{128}I
Keyword abstract: NUCLEAR REACTIONS ^{127}I(n,γ),E=th; measured Eγ,Iγ; deduced Q. ^{128}I deduced levels.

Keynumber: 1971RYZZ
Reference: Proc.Int.Conf.Chemical Nuclear Data, Measurements and Applications, Canterbury, England, M.L.Hurrell, Ed., Institution of Civil Engineers, London, p.139 (1971)
Authors: T.B.Ryves
Title: Thermal Neutron Capture Cross Section Measurements at the NPL
Keyword abstract: NUCLEAR REACTIONS ^{23}Na, ^{26}Mg, ^{27}Al, ^{30}Si, ^{37}Cl, ^{41}K, ^{50}Ti, ^{51}V, ^{58}Fe, ^{64}Ni, ^{63}, ^{65}Cu, ^{69}, ^{71}Ga, ^{75}As, ^{79}, ^{81}Br, ^{89}Y, ^{107}, ^{109}Ag, ^{115}In, ^{121}, ^{123}Sb, ^{127}I, ^{139}La, ^{151}Eu, ^{196}, ^{198}Pt (n,γ),E=thermal; measured σ.

Keynumber: 1971RYZX
Coden: CONF Canterbury(Chem Nucl Data),P139,12/10/72
Keyword abstract: NUCLEAR REACTIONS ^{23}Na, ^{26}Mg, ^{27}Al, ^{30}Si, ^{37}Cl, ^{41}K, ^{50}Ti, ^{51}V, ^{58}Fe, ^{64}Ni, ^{63}, ^{65}Cu, ^{69}, ^{71}Ga, ^{75}As, ^{79}Br, ^{81}Br, ^{89}Y, ^{107}, ^{109}Ag, ^{115}In, ^{121}, ^{123}Sb, ^{127}I, ^{139}La, ^{151}Eu, ^{196}, ^{198}Pt (n,γ),E=thermal; measured σ; deduced resonance integrals.

Keynumber: 1971HAXS
Coden: REPT V D Harker,NCSAC-42, P5,5/19/72
Keyword abstract: NUCLEAR REACTIONS ^{87}Rb, ^{102}, ^{104}Ru, ^{121}, ^{123}Sb, ^{127}I, ^{148}, ^{150}Nd(n,γ),E= pile; measured integral σ.

Keynumber: 1971CAYZ
Coden: CONF CONF-710301(Knoxville),Vol2,P785,11/2/71
Keyword abstract: NUCLEAR REACTIONS ^{127}I, ^{143}, ^{145}Nd, ^{147}, ^{149}Sm, ^{121}, ^{123}Sb(n,γ), ^{123}, ^{125}Te (n,n), measured σ. ^{128}I, ^{144}, ^{146}Nd, ^{148}, ^{150}Sm, ^{122}, ^{124}Sb, ^{124}, ^{126}Te resonances deduced J.

Keynumber: 1971CAYD
Reference: Proc.Conf.Neutron Cross Sections and Technol., 3rd, Knoxville, Tenn., R.L.Macklin, Ed., CONF-710301, Vol.2, p.785 (1971)
Authors: B.Cauvin, A.Lottin, A.Michaudon, C.M.Newstead, D.Paya, J.Trochon
Title: Spin Assignments from Capture Gamma-Rays and Scattering Measurements
Keyword abstract: NUCLEAR REACTIONS ^{127}I, ^{143}, ^{145}Nd, ^{147}, ^{149}Sm, ^{121}, ^{123}Sb (n,γ),E=resonance; measured σ(Eγ),Iγ ratios. ^{123}, ^{125}Te(n,n)E=resonance; measured σ(E). ^{128}I, ^{144}, ^{146}Nd, ^{148}, ^{150}Sm, ^{122}, ^{124}Sb, ^{124}, ^{126}Te resonances deduced J.

Keynumber: 1971BR57
Reference: Acta Phys.Pol. B2, 489 (1971)
Authors: J.S.Brzosko, E.Gierlik, A.Soltan, Jr., Z.Szeflinski, Z.Wilhelmi
Title: Measurement of γ-Ray Spectra Accompanying Radiative Capture of Nucleons

Keyword abstract: NUCLEAR REACTIONS ^{115}In,Sb, ^{127}I, ^{133}Cs, ^{159}Tb, ^{165}Ho, ^{181}Ta, ^{197}Au,Tl, ^{238}U(n,γ),E approx 400 keV; measured σ(Eγ). ^{115}In, ^{181}Ta, ^{197}Au(n,γ),E=0.03-1.4 MeV; measured σ (E;Eγ). ^{115}In,Ag, ^{181}Ta, ^{197}Au(p,γ),E approx 4 MeV; measured σ(Eγ).

Keynumber: 1970SCZW
Coden: JOUR HPACA 43 741
Keyword abstract: NUCLEAR REACTIONS ^{127}I(n,γ),E=thermal; measured Eγ,Iγ; deduced Q. ^{128}I deduced levels,transitions.

Keynumber: 1970MA65
Reference: Indian J.Phys. 44, 204 (1970)
Authors: M.Majumder
Title: Capture Cross Section of 14 MeV Neutrons
Keyword abstract: NUCLEAR REACTIONS ^{71}Ga, ^{75}As, ^{127}I, ^{138}Ba, ^{141}Pr(n,γ),E=14.8 MeV; measured σ. Activation method.

Keynumber: 1970HAZB
Coden: CONF Madurai(Nucl,Solid State Phys),Vol2,P36
Keyword abstract: NUCLEAR REACTIONS ^{103}Rh, ^{127}I, ^{175}Lu(n,γ),E=14.8 MeV; measured σ.

Keynumber: 1970FU03
Reference: Lett.Nuovo Cimento 3, 785 (1970)
Authors: A.Fubini, E.Ivanov, V.Rado
Title: A New Isomer of ^{128}I
Keyword abstract: NUCLEAR REACTIONS ^{127}I(n,γ), E=thermal; measured γγ-coin, γγ-delay, Eγ. ^{128m}I deduced J, π, levels, $T_{1/2}$, γ-multipolarity.

Keynumber: 1970EI04
Reference: Nucl.Phys. A147, 150 (1970)
Authors: J.Eichler, F.Djadali
Title: Measurement of the Average Circular γ-Polarization and Determination of Spins for Compound States Formed in Thermal Neutron Capture
Keyword abstract: NUCLEAR REACTIONS ^{95}Mo, ^{113}Cd, ^{115}In, ^{121}, ^{123}Sb, ^{127}I, ^{133}Cs, ^{141}Pr, ^{155}, ^{157}Gd, ^{159}Tb, ^{165}Ho, ^{181}Ta, ^{199}Hg(polarized n,γ), E = thermal; measured average γ-circular polarization. ^{96}Mo, ^{114}Cd, ^{116}In, ^{122}, ^{124}Sb, ^{128}I, ^{134}Cs, ^{142}Pr, ^{156}, ^{158}Gd, ^{160}Tb, ^{166}Ho, ^{182}Ta, ^{200}Hg deduced J for compound state. Natural targets.

Keynumber: 1970CV01
Reference: Nucl.Phys. A158, 251 (1970)
Authors: F.Cvelbar, A.Hudoklin, M.Potokar
Title: Comparison between the Activation Cross Sections and Integrated Cross Sections for the Radiative Capture of 14 MeV Neutrons
Keyword abstract: NUCLEAR REACTIONS Mg, ^{27}Al,Si, ^{31}P, ^{32}S, ^{40}Ca, ^{51}V, ^{52}Cr, ^{55}Mn,Fe,Cu, Br,Se, ^{115}In, ^{127}I,Ba(n,γ),E=14 MeV; measured σ(Eγ); deduced integrated σ.

Keynumber: 1970CHYM
Coden: CONF Madurai(Nucl,Solid State Phys),Vol2,P615,10/25/71

Keyword abstract: NUCLEAR REACTIONS ^{55}Mn, ^{63}Cu, ^{75}As, ^{98}Mo, ^{114}Cd, ^{127}I, ^{139}La, ^{141}Pr (n,γ),E=24 keV; measured σ.

Keynumber: 1969SP06
Reference: Phys.Rev. 184, 1201 (1969)
Authors: D.Sperber
Title: Statistical Theory of (n,γ) and (p,γ) Excitation Functions
Keyword abstract: NUCLEAR REACTIONS ^{127}I(n,γ), E = 2-14 MeV; ^{209}Bi(p,γ), E = 3-22 MeV; calculated σ(E).

Keynumber: 1969KO23
Reference: Nucl.Phys. A138, 392 (1969)
Authors: R.G.Korteling, J.M.D'Auria, C.H.W.Jones, T.L.Isenhour
Title: Lifetimes Associated with Low-Energy Gamma Transitions in ^{128}I and ^{134}Cs
Keyword abstract: NUCLEAR REACTIONS ^{127}I, ^{133}Cs(n,γ), E = thermal; measured Eγ, Iγ, γγ-delay. ^{128}I, ^{134}Cs deduced levels, $T_{1/2}$.

Keynumber: 1969BR34
Reference: Can.J.Phys. 47, 2849 (1969)
Authors: J.S.Brzosko, E.Gierlik, A.Soltan,Jr., Z.Wilhelmi
Title: Effect of the Pigmy Resonance on the Calculations of the Neutron Capture Cross Section
Keyword abstract: NUCLEAR REACTIONS ^{103}Rh, ^{127}I, ^{181}Ta, ^{197}Au(n,γ),E <6 keV; calculated σ (E;Eγ); analyzed pigmy resonance effects.

Keynumber: 1968KA33
Reference: Osterr.Akad.Wiss., Math.-Naturw.Kl., Anz. No.10, 1 (1968)
Authors: B.Karlik
Title: Messungeiniger Einfangsquerschnitte fur schnelle Nautronen
Keyword abstract: NUCLEAR REACTIONS ^{26}Mg, ^{27}Al, ^{37}Cl, ^{51}V, ^{55}Mn, ^{65}Cu, ^{68}Zn, ^{75}As, ^{115}In, ^{127}I, ^{138}Ba(n,γ),E=2.9 MeV; measured σ.

Keynumber: 1968DI03
Reference: Nucl.Phys. A111, 360(1968)
Authors: H.Dinter
Title: Gammaspektren und Wirkungsquerschnitte beim Einfang von 14 MeV Neutronen in ^{27}Al und ^{127}I
Keyword abstract: NUCLEAR REACTIONS ^{27}Al, ^{127}I(n,γ),E=14 MeV; measured σ(Eγ); deduced reaction mechanism. Natural targets.

Keynumber: 1968CR11
Reference: Acad.Rep.Populare Romine, Studii Cercetari Fiz. 20, 577 (1968)
Authors: M.I.Cristu
Title: Tranzitii Si Stari de Joasa Energie Ale Nucleelor Impar-Impare Excitate Prin Captura Radiativa a Neutronilor
Keyword abstract: NUCLEAR REACTIONS ^{75}As, ^{127}I(n,γ), E=thermal; measured Eγ, Iγ, γγ-coin. ^{76}As, ^{128}I deduced levels, J, π.

Keynumber: 1968COZW
Coden: REPT UCRL-tr-10603,J Colditz,1/3/73
Keyword abstract: NUCLEAR REACTIONS ^{26}Mg, ^{27}Al, ^{37}Cl, ^{51}V, ^{55}Mn, ^{65}Cu, ^{66}Zn, ^{75}As, ^{115}In, ^{127}I, ^{138}Ba(n,γ),E=2.9 MeV; measured σ.

Keynumber: 1968BRZW
Coden: REPT INR-P-967,J Brzosko
Keyword abstract: NUCLEAR REACTIONS ^{103}Rh, ^{127}I, ^{181}Ta, ^{197}Au(n,γ); calculated σ(E). ^{104}Rh, ^{128}I, ^{182}Ta, ^{198}Au deduced level spacing,level-width,pigmy resonance effects.

Keynumber: 1966AR09
Reference: Nucl.Phys. 83, 241 (1966); Erratum Nucl.Phys. 89, 706 (1966)
Authors: N.P.Archer, L.B.Hughes, T.J.Kennett, W.V.Prestwich
Title: A Study of the ^{127}I(n,γ)^{128}I and ^{133}Cs(n,γ)^{134}Cs Reactions
Keyword abstract: NUCLEAR REACTIONS ^{127}I, ^{133}Cs(n,γ), E = th; measured Eγ, Iγ, Q. ^{128}I, ^{134}Cs deduced levels.

Keynumber: 1965RO10
Reference: Nucl.Phys. 71, 417(1965)
Authors: J.C.Robertson
Title: The Radiative Capture Cross Section of Iodine at 24 keV and Thermal Energy
Keyword abstract: NUCLEAR REACTIONS ^{127}I(n,γ), E = th, 24 keV; measured σ(E).
