Visit the Isotope Explorer home page!

13 reference(s) found :

Keynumber: 2001GA57
Reference: Bull.Rus.Acad.Sci.Phys. 65, 121 (2001)
Authors: Yu.P.Gangrsky, P.Zuzaan, N.N.Kolesnikov, V.G.Lukashek, A.P.Tonchev
Title: Isomeric Ratios in Crossing (nγ) and (γn) Reactions
Keyword abstract: NUCLEAR REACTIONS ^{74}Ge, ^{80}Se, ^{84}Sr, ^{108}Pd, ^{114}Cd, ^{112}, ^{122}Sn, ^{120}, ^{126}, ^{128}Te, ^{130}, ^{132}Ba, ^{136}, ^{138}Ce, ^{196}Pt, ^{196}Hg(n,γ),E=thermal; ^{76}Ge, ^{82}Se, ^{86}Sr, ^{110}Pd, ^{116}Cd, ^{114}, ^{124}Sn, ^{122}, ^{128}, ^{130}Te, ^{132}, ^{134}Ba, ^{138}, ^{140}Ce, ^{198}Pt, ^{198}Hg(γ,n),E=25 MeV bremsstrahlung; measured isomeric cross section ratios. Comparison with statistical model calculations.

Keynumber: 1989BA37
Reference: J.Radioanal.Nucl.Chem. 131, 457 (1989)
Authors: A.M.Barouni, L.Bakos, E.Papp Zemplen, G.Keomley
Title: Reactor Neutron Activation Analysis followed by Characteristic X-Ray Spectrometry
Keyword abstract: NUCLEAR REACTIONS ^{74}Se(n,p), ^{114}Cd, ^{151}Eu(n,γ),E=reactor; measured X-ray spectra following residue decay.

Keynumber: 1983ZA08
Reference: Yad.Fiz. 37, 607 (1983); Sov.J.Nucl.Phys. 37, 361 (1983)
Authors: D.F.Zaretsky, V.K.Sirotkin
Title: On the Mechanism of Parity Violation in Interactions between Neutrons and Nuclei
Keyword abstract: NUCLEAR REACTIONS ^{117}Sn, ^{139}La, ^{114}Cd(n,n), (n,γ),E ≈ resonance; analyzed data; deduced parity violation mechanism.

Keynumber: 1981HE03
Reference: Nucl.Phys. A357, 1 (1981)
Authors: M.Herman, A.Marcinkowski
Title: Cross Sections for Fast Neutron Capture on the Se,Pd,Cd,Os and Pt Isotopes
Keyword abstract: NUCLEAR REACTIONS ^{78}, ^{80}, ^{82}Se, ^{108}, ^{110}Pd, ^{114}, ^{116}Cd, ^{190}, ^{192}Os, ^{196}, ^{198}Pt (n,γ),E=0.5-1.3 MeV; measured σ(E). Activation technique. Compound nucleus model.

Keynumber: 1981AR22
Reference: Yad.Fiz. 34, 1028 (1981)
Authors: L.Ya.Arifov, B.S.Mazitov, V.G.Ulanov
Title: Relative Probability of Isomer Population in Radiative Capture
Keyword abstract: NUCLEAR REACTIONS ^{45}Sc, ^{59}Co, ^{68}, ^{70}Zn, ^{74}, ^{76}Ge, ^{80}, ^{82}Se, ^{84}Kr, ^{85}Rb, ^{84}Sr, ^{89}Y, ^{103}Rh, ^{108}, ^{110}Pd, ^{109}Ag, ^{114}Cd, ^{113}, ^{115}In, ^{112}, ^{120}, ^{122}, ^{124}Sn, ^{121}Sb, ^{120}, ^{126}, ^{128}, ^{130}Te, ^{133}Cs, ^{132}Ba, ^{136}, ^{138}Ce, ^{151}Eu, ^{164}Dy, ^{181}Ta, ^{184}W, ^{187}Re, ^{190}Os, ^{191}Ir, ^{196}Pt, ^{196}Hg (n,γ),E=thermal,0.2-2.8 MeV; ^{92}Mo(p,γ),E=1.8-7.4 MeV; analyzed σ(capture) isomer ratio vs E. Statistical theory.

Keynumber: 1979HEZK
Reference: Bull.Am.Phys.Soc. 24, No.7, 870, CC1 (1979)
Authors: M.Herman, A.Marcinkowski
Title: Cross Sections for Fast Neutron Capture on Se,Cd, and Os Isotopes

Keyword abstract: NUCLEAR REACTIONS ^{78}, ^{80}, ^{82}Se, ^{114}, ^{116}Cd, ^{190}, ^{192}Os (n,γ),E=0.53,0.86,1.20,1.31 MeV; measured σ. Activation technique. Statistical model estimates.

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: 1978MU06
Reference: J.Phys.(London) G4, 771 (1978)
Authors: A.R.de L.Musgrove, B.J.Allen, R.L.Macklin
Title: Neutron-Capture Resonance Parameters and Cross Sections for the Even-A Isotopes of Cadmium
Keyword abstract: NUCLEAR REACTIONS ^{106}, ^{108}, ^{110}, ^{112}, ^{114}, ^{116}Cd(n,γ),E=res; measured σ(Eγ); deduced resonance parameters.

Keynumber: 1974LI12
Reference: Phys.Rev. C10, 709 (1974)
Authors: H.I.Liou, G.Hacken, F.Rahn, J.Rainwater, M.Slagowitz, W.Makofske
Title: Neutron Resonance Spectroscopy. XV. The Separated Isotopes of Cd
Keyword abstract: NUCLEAR REACTIONS Cd, ^{110}, ^{112}, ^{114}, ^{116}Cd(n,n), (n,γ),E=0-10 keV; measured σ(E). ^{115}, ^{111}, ^{112}, ^{113}, ^{114}, ^{117}Cd deduced resonances,n-width. ^{112}, ^{114}Cd resonances deduced γ-width,J.

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: 1971NAZW
Reference: Proc.3rd Intern.Conf.Neutron Cross Sections and Technology, Knoxville, Vol.1, p.259

(1971)
Authors: R.J.Nagle, J.H.Landrum, M.Lindner
Title: Neutron Capture Cross Sections in the MeV Range
Keyword abstract: NUCLEAR REACTIONS ^{114}Cd, ^{181}Ta, ^{186}W, ^{185}, ^{187}Re, ^{191}, ^{193}Ir, ^{197}Au, ^{232}Th, ^{237}Np, ^{238}U(n,γ),E=0.1-3 MeV; measured σ(E).

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.
