Visit the Isotope Explorer home page!

17 reference(s) found :

Keynumber: 1986VO03
Reference: Nucl.Sci.Eng. 93, 43 (1986); Corrigendum Nucl.Sci.Eng. 96 343 (1987)
Authors: J.Voignier, S.Joly, G.Grenier
Title: Capture Cross Sections and Gamma-Ray Spectra from the Interaction of 0.5- to 3.0-MeV Neutrons with Nuclei in the Mass Range A = 63 to 209
Keyword abstract: NUCLEAR REACTIONS Cu, ^{89}Y,Zr, ^{93}Nb,La,Gd, ^{159}Tb, ^{181}Ta,Re,Pt,Tl, ^{209}Bi, ^{63}, ^{65}Cu, ^{155}, ^{156}, ^{157}, ^{158}, ^{160}Gd, ^{182}, ^{183}, ^{184}, ^{186}W, ^{203}, ^{205}Tl(n,γ),E=0.5-3 MeV; measured absolute σ(E); deduced capture γ-multiplicity.

Keynumber: 1982RA32
Reference: Indian J.Pure Appl.Phys. 20, 627 (1982)
Authors: S.K.Rathi, V.P.Varshney, H.M.Agrawal
Title: Calculations of Neutron Capture Cross-Sections for some Nuclei using Bilpuch Formula
Keyword abstract: NUCLEAR REACTIONS ^{40}, ^{43}Ca, ^{52}, ^{53}Cr, ^{54}, ^{56}Fe, ^{88}Sr, ^{90}, ^{91}, ^{92}, ^{94}Zr, ^{93}Nb, ^{92}, ^{94}, ^{95}, ^{96}, ^{97}, ^{98}, ^{100}Mo, ^{138}Ba, ^{139}La, ^{140}Ce, ^{203}Tl(n,γ),E=24 keV; calculated σ(capture). Experimental parameters,Bilpuch formula.

Keynumber: 1981VOZW
Reference: CEA-R-5089 (1981)
Authors: J.Voignier, S.Joly, G.Grenier
Title: Neutron Capture Cross Section Measurements of Rubidium,Yttrium,Niobium,Gadolinium,Tungsten,Platinum and Thallium between 0.5 and 3.0 MeV
Keyword abstract: NUCLEAR REACTIONS Rb,Y,Nb,Gd,W,Pt,Tl, ^{155}, ^{156}, ^{157}, ^{158}, ^{160}Gd, ^{182}, ^{183}, ^{184}, ^{186}W, ^{203}, ^{205}Tl(n,γ),E=0.5-3 MeV; measured absolute σ. Integrated spectrum method.

Keynumber: 1981VOZU
Coden: REPT NEANDC(E)-210-L,Voignier
Keyword abstract: NUCLEAR REACTIONS Rb,Y,Nb,Gd,W,Pt,Tl, ^{155}, ^{156}, ^{157}, ^{158}, ^{160}Gd, ^{182}, ^{183}, ^{184}, ^{186}W, ^{203}, ^{205}Tl(n,γ),E=0.5-3 MeV; measured absolute σ(capture) vs E. Integrated spectrum method.

Keynumber: 1981RA01
Reference: J.Phys.(London) G7, 53 (1981)
Authors: S.K.Rathi, H.M.Agarwal
Title: P-Wave Neutron Strength Functions
Keyword abstract: NUCLEAR REACTIONS ^{43}Ca, ^{52}Cr, ^{56}Fe, ^{88}Sr, ^{89}Y, ^{90}, ^{92}, ^{94}Zr, ^{93}Nb, ^{92}, ^{94}, ^{95}, ^{96}, ^{97}, ^{98}, ^{100}Mo, ^{138}Ba, ^{139}La, ^{140}Ce, ^{203}Tl(n,γ),E=24 keV; analyzed σ. ^{44}Ca, ^{53}Cr, ^{57}Fe, ^{89}Sr, ^{90}Y, ^{91}, ^{93}, ^{95}Zr, ^{94}Nb, ^{93}, ^{95}, ^{96}, ^{97}, ^{98}, ^{99}, ^{101}Mo, ^{139}Ba, ^{140}La, ^{141}Ce, ^{204}Tl deduced p-wave strength function.

Keynumber: 1981GRZY
Reference: CEA-N-2195 (1981)
Authors: G.Grenier, J.Voignier, S.Joly
Title: Capture Cross-Section Measurements for Different Elements at Neutron Energies between 0.5

and 3.0 MeV
Keyword abstract: NUCLEAR REACTIONS Rb, ^{89}Y, ^{93}Nb,Gd,W,Pt,Tl, ^{155}, ^{156}, ^{157}, ^{158}, ^{160}Gd, ^{182}, ^{183}, ^{184}, ^{186}W, ^{203}, ^{205}Tl(n,γ),E=0.5-3 MeV; measured σ(E). NaI scintillator,γ-detection. Statistical model.

Keynumber: 1978ZA10
Reference: Yad.Fiz. 27, 1534 (1978); Sov.J.Nucl.Phys. 27, 808 (1978)
Authors: D.F.Zaretskii, V.K.Sirotkin
Title: Total Radiative Widths of Neutron Resonances
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl, ^{55}Mn, ^{68}Zn, ^{78}Se, ^{88}Sr, ^{96}Mo, ^{107}Ag, ^{116}Sn, ^{129}I, ^{143}Nd, ^{149}Sm, ^{161}Dy, ^{169}Tm, ^{179}Hf, ^{191}Ir, ^{199}Hg, ^{203}Tl, ^{235}, ^{238}U, ^{243}Am(n,γ); calculated total Γγ assuming dipole transitions.

Keynumber: 1975LI15
Reference: Phys.Rev. C12, 102 (1975)
Authors: H.I.Liou, J.Rainwater, G.Hacken, U.N.Singh
Title: Neutron Resonance Spectroscopy: ^{203}, ^{205}Tl
Keyword abstract: NUCLEAR REACTIONS ^{203}, ^{205}Tl(n,n), (n,γ),E=15 eV-104 keV; measured σ(E). ^{203}, ^{204}, ^{205}, ^{206}Tl deduced resonances,Γ,L,J,π,S.

Keynumber: 1974CO23
Reference: Nucl.Instrum.Methods 116, 251 (1974)
Authors: A.H.Colenbrander, T.J.Kennett
Title: The Application of a Statistical Description for Complex Spectra to the (n,γ) Reaction
Keyword abstract: NUCLEAR REACTIONS ^{27}Al, ^{45}Sc, ^{55}Mn, ^{59}Co, ^{63}Cu, ^{75}As, ^{103}Rh, ^{109}Ag, ^{115}In, ^{133}Cs, ^{185}Re, ^{197}Au, ^{203}Tl(n,γ); measured Eγ,Iγ. ^{28}Al, ^{46}Sc, ^{56}Mn, ^{60}Co, ^{64}Cu, ^{76}As, ^{104}Rh, ^{110}Ag, ^{116}In, ^{134}Cs, ^{186}Re, ^{198}Au, ^{204}Tl deduced nuclear temperature,level densities.

Keynumber: 1974CO21
Reference: Can.J.Phys. 52, 1215 (1974)
Authors: A.H.Colenbrander, T.J.Kennett
Title: Radiative Neutron Capture Study of ^{203}Tl
Keyword abstract: NUCLEAR REACTIONS ^{203}Tl(n,γ); measured Eγ,Iγ,σ; deduced Q. ^{204}Tl deduced levels.

Keynumber: 1974ALYP
Coden: REPT BARC-770 P30
Keyword abstract: NUCLEAR REACTIONS ^{180}Hf, ^{203}Tl, ^{208}Pb, ^{209}Bi(n,α), (n,γ),E=thermal; measured σ(E,Eα)/σ(E,Eγ). ^{178m}, ^{178}Lu deduced isomeric cross-section ratio,J.

Keynumber: 1973FU17
Reference: Nuovo Cim. 18A, 711 (1973)
Authors: A.Fubini, R.Alberini, D.Lattanzi
Title: ^{203}Tl(n,γ) Reaction and Level Structure of ^{204}Tl
Keyword abstract: NUCLEAR REACTIONS ^{203}Tl(n,γ),E=thermal; measured Eγ,Iγ,γγ-coin. ^{204}Tl deduced levels,J,π.

Keynumber: 1973AL06
Reference: Nucl.Phys. A205, 614 (1973)
Authors: J.Alam, M.L.Sehgal
Title: Study of (n,α) Reactions at Thermal Energies
Keyword abstract: NUCLEAR REACTIONS ^{180}Hf, ^{203}Tl, ^{208}Pb, ^{209}Bi(n,α), (n,γ),E=thermal; measured σ(n,α)/σ(n,γ).

Keynumber: 1971FU15
Reference: Lett.Nuovo Cim. 2, 992 (1971)
Authors: A.Fubini, F.Terrasi, I.Vata
Title: Analysis of ^{204}Tl Level Scheme
Keyword abstract: NUCLEAR REACTIONS ^{203}Tl(n,γ),E=thermal; measured Eγ,Iγ. ^{204}Tl deduced levels. Ge(Li) detector.

Keynumber: 1970SI10
Reference: J.Inorg.Nucl.Chem. 32, 2839 (1970)
Authors: G.H.E.Sims, D.G.Juhnke
Title: The Thermal Neutron Capture Cross-Sections and Resonance Capture Integrals of ^{44}Ca, ^{62}Ni, ^{168}Yb, ^{174}Yb, ^{169}Tm, and ^{203}Tl
Keyword abstract: NUCLEAR REACTIONS ^{44}Ca, ^{62}Ni, ^{168}, ^{174}Yb, ^{169}Tm, ^{203}Tl(n,γ), E=thermal; measured σ; deduced resonance integrals.

Keynumber: 1969WEZY
Reference: Proc.Intern.Symp.Neutron Capture Gamma-Ray Spectroscopy, Studsvik, Intern.At.En.Agency, Vienna, p. 421 (1969)
Authors: C.Weitkamp, J.A.Harvey, G.G.Slaughter, E.C.Campbell
Title: Low-Lying Excited States of ^{204}Tl and ^{206}Tl Populated in Thermal Neutron Capture
Keyword abstract: NUCLEAR REACTIONS ^{203}, ^{205}Tl(n,γ), E=thermal; measured Eγ,Iγ. ^{204}Tl deduced levels,γ-branching. ^{206}Tl deduced levels,J,π,γ-branching.

Keynumber: 1967RA24
Reference: Proc.Intern.Conf.Atomic Masses, 3rd, Winnipeg, Canada, R.C.Barber, Ed., Univ.Manitoba Press, p.278(1967)
Authors: N.C.Rasmussen, V.J.Orphan, Y.Hukai
Title: Determination of (n,γ) Reaction Q Values from Capture γ-Ray Spectra
Keyword abstract: NUCLEAR REACTIONS ^{6}Li, ^{7}Li, ^{9}Be, ^{10}B, ^{12}C, ^{14}N, ^{19}F, ^{23}Na, ^{24}Mg, ^{25}Mg, ^{26}Mg, ^{27}Al, ^{28}Si, ^{31}P, ^{32}S, ^{35}Cl, ^{40}Ca, ^{45}Sc, ^{48}Ti, ^{51}V, ^{55}Mn, ^{54}Fe, ^{56}Fe, ^{59}Co, ^{58}Ni, ^{60}Ni, ^{63}Cu, ^{65}Cu, ^{66}Zn, ^{67}Zn, ^{73}Ge, ^{76}Se, ^{85}Rb, ^{87}Rb, ^{89}Y, ^{93}Nb, ^{103}Rh, ^{113}Cd, ^{123}Te, ^{133}Cs, ^{139}La, ^{141}Pr, ^{149}Sm, ^{153}Eu, ^{157}Gd, ^{159}Tb, ^{165}Ho, ^{167}Er, ^{169}Tm, ^{181}Ta, ^{182}W, ^{195}Pt, ^{197}Au, ^{199}Hg, ^{203}Tl, ^{207}Pb(n,γ), E = thermal; measured Eγ; deduced Q. Natural targets.
