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16 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 ($n\gamma$) 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 , $^{196}\text{Hg}(n,\gamma)$, $E=\text{thermal}$; ^{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 , $^{198}\text{Hg}(\gamma,n)$, $E=25$ MeV bremsstrahlung; measured isomeric cross section ratios. Comparison with statistical model calculations.

Keynumber: 1997PA24

Reference: Bull.Rus.Acad.Sci.Phys. 61, 163 (1997)

Authors: I.V.Panov

Title: Radiative Neutron Capture and r-Process

Keyword abstract: NUCLEAR REACTIONS 116 , 118 , 120 , 122 , 124 , ^{119}Sn , 120 , 125 , 126 , 122 , 124 , 128 , $^{130}\text{Te}(n,\gamma)$, $E=30$ keV; calculated capture σ ; deduced r-process associated kinetic models predictions features regarding elements concentration. Fermi gas model.

Keyword abstract: NUCLEAR STRUCTURE $A=110-140$; $A=140-180$; $A=230-270$; calculated 30 keV neutron capture σ on neutron rich Cd,Pr,U isotopes; deduced r-process associated kinetic models predictions features regarding elements concentration. Fermi gas model.

Keynumber: 1995GR22

Reference: Yad.Fiz. 58, No 12, 2127 (1995); Phys.Atomic Nuclei 58, 2013 (1995)

Authors: O.T.Grudzevich, V.A.Tolstikov

Title: Cross Sections for Isomer Excitation in the Radiative Capture and Inelastic Scattering of Neutrons with Energies 0.3-0.7 MeV for Tin Isotopes

Keyword abstract: NUCLEAR REACTIONS $^{116}\text{Sn}(n,\gamma)$, (n,n') , 122 , $^{124}\text{Sn}(n,\gamma)$, $E=0.3-0.7$ MeV; measured capture $\sigma(E)$, isomer excitation $\sigma(E)$. Activation technique. Model comparison.

Keynumber: 1989TI03

Reference: Yad.Fiz. 50, 609 (1989)

Authors: V.M.Timokhov, M.V.Bokhovko, A.G.Isakov, L.E.Kazakov, V.N.Kononov, G.N.Manturov, E.D.Poletaev, V.G.Pronyaev

Title: Neutron Capture, Total Cross Sections and Average Resonance Parameters for Tin Isotopes

Keyword abstract: NUCLEAR REACTIONS 112 , 114 , 115 , 116 , 117 , 118 , 119 , 120 , 122 , $^{124}\text{Sn}(n,\gamma)$, $E=20-450$ keV; measured capture $\sigma(E)$. 112 , 114 , 115 , 116 , 117 , 118 , 119 , 120 , 122 , $^{124}\text{Sn}(n,X)$, $E=20-1400$ keV; measured total $\sigma(E)$; deduced s-,p-wave potential scattering radii, model parameters. 113 , 115 , 116 , 117 , 118 , 119 , 121 , 122 , 123 , ^{125}Sn deduced s-,p-wave, γ -strength functions.

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; $^{92}\text{Mo}(p,\gamma)$, E =1.8-7.4 MeV; analyzed σ (capture) isomer ratio vs E .
 Statistical theory.

Keynumber: 1979BAYJ

Reference: Program and Thesis, Proc.29th Ann.Conf.Nucl.Spectrosc.Struct.At.Nuclei, Ridga, p.76 (1979)

Authors: I.F.Barchuk, G.V.Belykh, V.I.Golyshkin, E.N.Gorban, A.F.Ogorodnik

Title: Gamma-Rays from the Reactions $^{120,122,124}\text{Sn}(n,\gamma)^{121,123,125}\text{Sn}$ with Thermal Neutrons

Keyword abstract: NUCLEAR REACTIONS 120 , 122 , $^{124}\text{Sn}(n,\gamma)$, E =thermal; measured $E\gamma$, $I\gamma$. 121 , 123 , ^{125}Sn deduced transitions.

Keynumber: 1979AN22

Reference: Nuovo Cim. 50A, 247 (1979)

Authors: R.P.Anand, M.L.Jhingan, D.Bhattacharya, E.Kondaiah

Title: 25 keV-Neutron Capture Cross-Sections

Keyword abstract: NUCLEAR REACTIONS ^{51}V , ^{63}Cu , ^{71}Ga , ^{74}Ge , ^{75}As , 98 , ^{100}Mo , ^{104}Ru , ^{115}In , ^{116}Cd , 122 , ^{124}Sn , 128 , ^{130}Te , ^{139}La , 140 , ^{142}Ce , ^{165}Ho , 185 , $^{187}\text{Re}(n,\gamma)$, E =25 keV; measured σ ; deduced rapid, slow capture processes.

Keynumber: 1977CA09

Reference: Phys.Rev. C15, 883 (1977)

Authors: R.F.Carlton, S.Raman, G.G.Slaughter

Title: Neutron Capture Gamma-Ray Studies of Levels in ^{123}Sn and ^{125}Sn

Keyword abstract: NUCLEAR REACTIONS $^{122}\text{Sn}(n,\gamma)$, E =0.1-20 keV; $^{124}\text{Sn}(n,\gamma)$, E =0.05-11 keV; measured $E\gamma$, $I\gamma$. 123 , ^{125}Sn deduced levels, J,π ,neutron separation energies. 119 , 121 , 123 , ^{125}Sn systematics. Enriched targets.

Keynumber: 1976CAZQ

Reference: Bull.Am.Phys.Soc. 21, No.4, 634, HF10 (1976)

Authors: R.R.Carlton, S.Raman, G.G.Slaughter

Title: Capture Gamma Rays from $^{122}\text{Sn} + n$ and $^{124}\text{Sn} + n$ Systems

Keyword abstract: NUCLEAR REACTIONS 122 , $^{124}\text{Sn}(n,\gamma)$; measured $\sigma(E,E\gamma)$. 123 , ^{125}Sn deduced resonances,levels, J,π .

Keynumber: 1975BH01

Reference: Phys.Rev. C12, 1457 (1975)

Authors: M.R.Bhat, R.E.Chrien, G.W.Cole, O.A.Wasson

Title: Neutron-Capture Gamma Rays from ^{116}Sn and ^{122}Sn and the Valence Model

Keyword abstract: NUCLEAR REACTIONS 116 , $^{122}\text{Sn}(n,\gamma)$, E =7.724 MeV; measured $\sigma(E\gamma,\theta)$. 117 , ^{123}Sn deduced resonances, J,Γ .

Keynumber: 1974TIZT

Coden: REPT BARC-770 P24

Keyword abstract: NUCLEAR REACTIONS $^{122}\text{Sn}(n,\gamma)$, E =14.7 MeV; measured $E\gamma$, $I\gamma$,I X-ray. ^{123}Sn deduced levels, λ,J .

Keynumber: 1973MU09

Reference: J.Phys.Soc.Jap. 35, 8 (1973)

Authors: M.S.Murty, K.Siddappa, J.Rama Rao

Title: Capture Cross Sections of Intermediate Neutrons

Keyword abstract: NUCLEAR REACTIONS ^{59}Co , ^{68}Zn , ^{86}Sr , ^{87}Rb , $^{96, 102, 104}\text{Ru}$, $^{98, 100}\text{Mo}$, $^{113, 115}\text{In}$, ^{122}Sn , $^{133}\text{Cs}(n,\gamma)$, $E=24$ keV; measured capture σ .

Keynumber: 1972BHZZ

Coden: CONF Budapest,Contributions,P60,M Bhat,10/11/72

Keyword abstract: NUCLEAR REACTIONS ^{56}Fe , ^{96}Zr , ^{98}Mo , $^{116, 118, 120, 122, 124}\text{Sn}$ (n,γ), $E=\text{resonance}$; measured $I\gamma(\theta)$. ^{57}Fe , ^{97}Zr , ^{99}Mo , $^{117, 119, 121, 123, 125}\text{Sn}$ resonances, levels deduced J.

Keynumber: 1971CHYQ

Coden: REPT NCSAC-42,P48,R Chrien,5/19/72

Keyword abstract: NUCLEAR REACTIONS $^{122}\text{Sn}(n,\gamma)$, measured $\sigma(E\gamma,\theta(\gamma))$; deduced Q. ^{123}Sn deduced resonances,J.

Keynumber: 1968HAZW

Reference: Proc.Conf.Slow-Neutron-Capture Gamma-Ray Spectr., Argonne, Ill. (1966), F.E.Throw, Ed., ANL-7282, p.507 (1968)

Authors: J.A.Harvey, M.J.Martin, G.G.Slaughter

Title: High-Resolution Capture Gamma-Ray Measurements from Thermal and Resonance Neutron Capture in ^{119}Sn , ^{116}Sn , ^{122}Sn , and ^{124}Sn

Keyword abstract: NUCLEAR REACTIONS $^{116, 119, 122, 124}\text{Sn}(n,\gamma)$, $E = \text{thermal, resonance}$; measured $E\gamma$, $I\gamma$. $^{117, 120, 123, 125}\text{Sn}$ deduced levels. Ge(Li) detector.

Keynumber: 1966HAZY

Reference: ORNL-3924, p.37 (1966)

Authors: J.A.Harvey, G.G.Slaughter, M.J.Martin

Title: High-Resolution Measurements of Gamma Rays from Thermal- and Resonance-Neutron Capture in the Isotopes of Tin

Keyword abstract: NUCLEAR REACTIONS $^{114, 115, 116, 117, 118, 119, 120, 122, 124}\text{Sn}(n,\gamma)$, $E=\text{thermal, resonance}$; measured $\sigma(E\gamma)$, $I\gamma$. $^{116, 117, 118, 119, 120, 121, 123, 125}\text{Sn}$ deduced levels. $^{118, 122}\text{Sn}$ deduced resonance.