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19 reference(s) found :

Keynumber: 2001BO30

Reference: Nucl.Phys. A688, 493c (2001)

Authors: I.N.Borzov, A.V.Avdeenkov, B.Grun, H.Oberhummer

Title: Direct Neutron Capture in a Microscopic Model

Keyword abstract: NUCLEAR REACTIONS $^{124}, ^{132}\text{Sn}, ^{208}, ^{232}\text{Pb}(n,\gamma), E=30$ keV; calculated non-resonant direct capture σ . Green's function formalism, comparison with other calculations and with data.

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 $^{80}\text{Se}, ^{94}\text{Zr}, ^{124}\text{Sn}, ^{127}\text{I}, ^{133}\text{Cs}(n,\gamma), E=\text{thermal}$; measured capture σ , resonance integrals.

Keynumber: 1997RA23

Reference: Nucl.Phys. A621, 327c (1997)

Authors: T.Rauscher, K.-L.Kratz, H.Oberhummer, J.Dobaczewski, P.Moller, M.Sharma

Title: Uncertainties in Direct Neutron Capture Calculations Due to Nuclear Structure Models

Keyword abstract: NUCLEAR REACTIONS $^{124}, ^{126}, ^{128}, ^{130}, ^{132}, ^{134}, ^{136}, ^{138}, ^{140}, ^{142}, ^{144}\text{Sn}(n,\gamma), E$ (cm)=30 keV; calculated capture σ ; deduced accuracy of models far from stability. Optical potential, several models compared.

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 $^{116}, ^{118}, ^{120}, ^{122}, ^{124}, ^{119}\text{Sn}, ^{120}, ^{125}, ^{126}, ^{122}, ^{124}, ^{128}, ^{130}\text{Te}(n,\gamma), E=30$ 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: 1993SH04

Reference: Nucl.Phys. A552, 293 (1993)

Authors: H.M.Shimizu, T.Adachi, S.Ishimoto, A.Masaike, Y.Masuda, K.Morimoto

Title: Longitudinal Asymmetry and γ -Ray Angular Distribution in Neutron-Radiative-Capture

Reactions

Keyword abstract: NUCLEAR REACTIONS ^{81}Br , ^{93}Nb , ^{108}Pd , ^{111}Cd , ^{124}Sn , ^{139}La (polarized n, γ), $E=0.4-70$ eV; measured $I\gamma(\theta)$. Neutron-helicity dependence,p-wave resonance asymmetry,parity-nonconserving effect.

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: 1987ZA05

Reference: Yad.Fiz. 45, 1302 (1987)

Authors: D.F.Zaretsky, V.K.Sirotkin

Title: On Effects of Various Mechanisms in Violation of Space Parity in Neutron-Induced Reactions

Keyword abstract: NUCLEAR REACTIONS ^{35}Cl , ^{81}Br , ^{93}Nb , ^{111}Cd , 117 , ^{124}Sn , ^{207}Pb (polarized n, γ), $E=\text{cold}$; calculated forward-backward asymmetries,polarization vector rotations,helicity dependent asymmetries; deduced reaction mechanism dependences. Valence,compound nucleus mechanisms.

Keynumber: 1981BA53

Reference: Izv.Akad.Nauk SSSR, Ser.Fiz. 45, 727 (1981)

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

Title: Levels of ^{121}Sn and ^{125}Sn Excited by Radiative Capture of Thermal Neutrons

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

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), $E=\text{thermal}$, $0.2-2.8$ MeV; $^{92}\text{Mo}(p,\gamma)$, $E=1.8-7.4$ MeV; analyzed $\sigma(\text{capture})$ isomer ratio vs E. Statistical theory.

Keynumber: 1980BAZA

Reference: Program and Thesis, Proc.30th Ann.Conf.Nucl.Spectrosc.Struct.At.Nuclei, Leningrad, p.92 (1980)

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

Title: Levels in ^{125}Sn Excited by Thermal Neutron Capture

Keyword abstract: NUCLEAR REACTIONS $^{124}\text{Sn}(n,\gamma)$, $E=\text{thermal}$; measured γ -spectra. ^{125}Sn deduced levels,neutron separation energy ($S(n)$).

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 $^{120, 122, 124}\text{Sn}(n,\gamma), E=\text{thermal}$; measured $E\gamma, I\gamma$. $^{121, 123, 125}\text{Sn}$ 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 $^{51}\text{V}, ^{63}\text{Cu}, ^{71}\text{Ga}, ^{74}\text{Ge}, ^{75}\text{As}, ^{98}, ^{100}\text{Mo}, ^{104}\text{Ru}, ^{115}\text{In}, ^{116}\text{Cd}, ^{122}, ^{124}\text{Sn}, ^{128}, ^{130}\text{Te}, ^{139}\text{La}, ^{140}, ^{142}\text{Ce}, ^{165}\text{Ho}, ^{185}, ^{187}\text{Re}(n,\gamma), E=25 \text{ keV}$; measured σ ; deduced rapid, slow capture processes.

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 $\sigma(E, E\gamma)$. $^{123}, ^{125}\text{Sn}$ deduced resonances, levels, J, π .

Keynumber: 1972BHZZ

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

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

Keynumber: 1970RAZU

Coden: CONF Madurai(Nucl,Solid State Phys), Vol2,P19

Keyword abstract: NUCLEAR REACTIONS $^{74}\text{Ge}, ^{85}\text{Rb}, ^{110}\text{Pd}, ^{116}\text{Cd}, ^{121}\text{Sb}, ^{124}\text{Sn}, ^{151}\text{Eu}, ^{196}\text{Pt}(n,\gamma), E=25 \text{ keV}$; measured σ , isomeric σ ratios.

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 $^{119}\text{Sn}, ^{116}\text{Sn}, ^{122}\text{Sn}$, 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: 1968BH01

Reference: Phys.Rev. 166, 1111(1968)

Authors: M.R.Bhat, R.E.Chrien, O.A.Wasson, M.Beer, M.A.Lone

Title: Investigation of γ Rays Following s- and p-Wave Neutron Capture in Tin Isotopes

Keyword abstract: NUCLEAR REACTIONS $^{117}, ^{118}, ^{120}, ^{124}\text{Sn}(n,\gamma), E=0.02-500 \text{ eV}$; measured

$E\gamma, I\gamma, \sigma(\theta(\gamma))$. $^{118}, ^{119}, ^{121}, ^{125}\text{Sn}$ deduced resonances, J, π , level-width. $^{118}, ^{119}, ^{121}, ^{125}\text{Sn}$ deduced levels, J, π .

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.