

Visit the [Isotope Explorer](#) home page!

12 reference(s) found :

Keynumber: [1996WI14](#)

Reference: Phys.Rev. C54, 1451 (1996)

Authors: K.Wisshak, F.Voss, Ch.Theis, F.Kappeler, K.Guber, L.Kazakov, N.Kornilov, G.Reffo

Title: Stellar Neutron Capture Cross Sections of the Tin Isotopes

Keyword abstract: NUCLEAR REACTIONS $^{114, 115, 116, 117, 118, 120}\text{Sn}(n,\gamma), E=3-225$ keV; measured capture $\sigma(E)$; deduced Maxwellian averaged σ for stellar temperatures $kT=10$ to 100 keV.

Keynumber: [1991RA01](#)

Reference: Phys.Rev. C43, 521 (1991)

Authors: S.Raman, T.A.Walkiewicz, S.Kahane, E.T.Jurney, J.Sa, Z.Gacsi, J.L.Weil, K.Allaart, G.Bonsignori, J.F.Shriner, Jr.

Title: Nearly Complete Level Scheme of ^{116}Sn Below 4.3 MeV

Keyword abstract: NUCLEAR REACTIONS $^{115}\text{Sn}(n,\gamma), E=\text{thermal}$; $^{116}\text{Sn}(n,n'\gamma), E \leq 4.5$ MeV; measured $E\gamma, I\gamma, \gamma(\theta)$ vs E . ^{116}Sn deduced levels, J, π , neutron separation energy.

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. $^{113, 115, 116, 117, 118, 119, 121, 122, 123, 125}\text{Sn}$ deduced s-, p-wave, γ -strength functions.

Keynumber: 1984NEZR

Reference: Proc.Conf.Neutron Physics, Kiev, Vol.3, p.143 (1984)

Authors: K.Nedvedyuk, Yu.P.Popov

Title: Determination of the Average Radiative Neutron Capture from Systematics

Keyword abstract: NUCLEAR REACTIONS $^{74, 82}\text{Se}$, ^{82}Kr , ^{84}Sr , $^{102, 109, 112}\text{Pd}$, $^{104, 109, 115, 117, 118}\text{Cd}$, $^{110, 113, 114, 115, 121}\text{Sn}$, $^{120, 127, 129, 131, 132}\text{Te}$, $^{131, 132, 133}\text{Ba}$, $^{145, 146, 151, 156}\text{Sm}$, $^{152, 154, 159}\text{Gd}$, $^{156, 158, 160, 165}\text{Dy}$, $^{166, 168, 169, 175}\text{Yb}$, $^{190}\text{Os}(n,\gamma), E=30$ keV; analyzed average radiative σ dependence on neutron number, neutron binding energy; deduced σ .

Keynumber: 1984GAZV

Reference: Bull.Am.Phys.Soc. 29, No.7, 1041, CC5 (1984)

Authors: Z.Gacsi, J.Sa, J.L.Weil, E.T.Jurney, S.Raman

Title: Energy Levels of ^{116}Sn from $(n,n'\gamma)$ and (n,γ) Reactions

Keyword abstract: NUCLEAR REACTIONS $^{116}\text{Sn}(n,n'\gamma)$, $^{115}\text{Sn}(n,\gamma), E$ not given; measured $\gamma(\theta), E\gamma, I\gamma$. ^{116}Sn deduced levels, J upper limit.

Keynumber: 1978CAZO

Reference: Proc.Intern.Symp.Neutron Capture Gamma Ray Spectroscopy and Related Topics, 3rd, BNL, Upton, (1978), R.E.Chrien, W.R.Kane, eds., Plenum Press, New York, p.571 (1978); Contrib.

No.14 (1978)

Authors: R.F.Carlton, S.Raman, E.T.Jurney

Title: The $^{115}\text{Sn}(n,\gamma)$ Reaction with Thermal Neutrons

Keyword abstract: NUCLEAR REACTIONS $^{115}\text{Sn}(n,\gamma),E=\text{th}$; measured γ -spectrum; deduced Q. ^{116}Sn deduced level scheme,neutron separation energy. Enriched target.

Keynumber: 1978CAZL

Coden: CONF Brookhaven(Neutron Capt γ -Ray Spectr),Proc,P571,Carlton

Keyword abstract: NUCLEAR REACTIONS $^{115}\text{Sn}(n,\gamma),E=\text{thermal}$; measured $E\gamma,I\gamma$. ^{116}Sn deduced levels,S(n).

Keynumber: 1976DA26

Reference: Pisma Zh.Eksp.Teor.Fiz. 24, 380 (1976); JETP Lett.(USSR) 24, 344 (1976)

Authors: G.V.Danilyan, V.V.Novitskii, V.S.Pavlov, S.P.Borovlev, B.D.Vodennikov, V.P.Dronyaev

Title: Parity Violation in Gamma Decay of ^{118}Sn

Keyword abstract: NUCLEAR REACTIONS $^{115},^{117}\text{Sn}(\text{polarized } n,\gamma)$; measured γ asymmetry. ^{118}Sn deduced parity violation.

Keynumber: 1972MC08

Reference: Phys.Rev. C5, 922 (1972)

Authors: D.A.McClure, J.W.Lewis,III

Title: Level Structure of the Low-Lying Excited States of ^{116}Sn Populated by the Radiative Capture of Thermal Neutrons

Keyword abstract: NUCLEAR REACTIONS $^{115}\text{Sn}(n,\gamma),E=\text{thermal}$; measured $E\gamma,I\gamma,\gamma\gamma$ -coin; deduced Q. ^{116}Sn deduced levels, γ -branching. Ge(Li) detectors.

Keynumber: 1971LEZQ

Coden: JOUR BAPSA 16 643

Keyword abstract: NUCLEAR REACTIONS $^{115}\text{Sn}(n,\gamma),E=\text{thermal}$; measured $E\gamma,I\gamma,\gamma\gamma$ -coin. ^{116}Sn deduced levels,J, π , γ -branching.

Keynumber: 1970ALZJ

Reference: Program and Theses, Proc.20th Ann.Conf.Nucl.Spectrosc.Struct.At.Nuclei, Pt.1, Leningrad, p.69 (1970)

Authors: V.L.Alexeev, D.M.Kaminker, E.G.Lapin, V.L.Rumyantsev, A.I.Smirnov

Title: Study of γ -Rays Accompanying Slow-Neutron Capture in Indium

Keyword abstract: NUCLEAR REACTIONS $^{115}\text{Sn}(n,\gamma),E=\text{th}$; measured $E\gamma$. ^{116}Sn deduced levels.

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.