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**39 reference(s) found :**

**Keynumber:** 2001BOZU

**Reference:** JINR-E3-2001-55 (2001)

**Authors:** S.B.Borzakov, R.E.Chrien, H.Faikow-Stanczyk, Yu.V.Grigoriev, Ts.Ts.Panteleev, S.Pospisil, L.M.Smotritsky, S.A.Telezhnikov

**Title:** An Accurate Redetermination of the  $^{118}\text{Sn}$  Binding Energy

**Keyword abstract:** NUCLEAR REACTIONS  $^{56}\text{Fe}$ ,  $^{63}\text{Cu}$ ,  $^{117}\text{Sn}(n,\gamma)$ , E=thermal; measured  $E_\gamma$ ,  $I_\gamma$ .  $^{57}\text{Fe}$ ,  $^{64}\text{Cu}$ ,  $^{118}\text{Sn}$  deduced binding energies.

**Keynumber:** [1999SM03](#)

**Reference:** Phys.Rev. C59, 2836 (1999)

**Authors:** D.A.Smith, J.D.Bowman, B.E.Crawford, C.A.Grossmann, T.Haseyama, M.B.Johnson, A.Masaike, Y.Matsuda, G.E.Mitchell, V.A.Nazarenko, S.I.Penttila, N.R.Roberson, S.J.Seestrom, E.I.Sharapov, L.M.Smotritsky, S.L.Stephenson, V.Yuan

**Title:** Neutron Resonance Spectroscopy of  $^{117}\text{Sn}$  from 1 eV to 1.5 keV

**Keyword abstract:** NUCLEAR REACTIONS  $^{117}\text{Sn}(n,\gamma)$ , E=1-1500 eV; measured  $\sigma(E)$ .  $^{117}\text{Sn}$  deduced neutron resonance parameters.

**Keynumber:** 1997SMZZ

**Reference:** Proc.9th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Budapest, Hungary, October 1996, G.L.Molnar, T.Belgya, Zs.Revay, Eds., Vol.2, p.628 (1997)

**Authors:** L.M.Smotritsky, Yu.E.Loginov, P.A.Sushkov

**Title:** The Measurement of P-Odd Angular Asymmetry for Some Primary  $\gamma$ -Transitions in  $^{117}\text{Sn}(n,\gamma)$ -Reaction

**Keyword abstract:** NUCLEAR REACTIONS  $^{117}\text{Sn}(\text{polarized } n,\gamma)$ , E=thermal; measured  $E_\gamma$ ,  $I_\gamma$ , asymmetry; deduced weak NN interaction isoscalar component role.

**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  $\sigma$  for stellar temperatures kT=10 to 100 keV.

**Keynumber:** 1996VE07

**Reference:** Bull.Rus.Acad.Sci.Phys. 60, 1793 (1996)

**Authors:** V.A.Vesna, I.S.Okunev, E.V.Shulgina

**Title:** Integral P-Even Circular Polarization in  $(n\gamma)$  Reactions on  $^{117}\text{Sn}$ ,  $^{113}\text{Cd}$ ,  $^{139}\text{La}$ ,  $(\text{nat})\text{Br}$ ,  $^{35}\text{Cl}$  Nuclei and Density of Final Nuclear States as a Function of Their Angular Momenta

**Keyword abstract:** NUCLEAR REACTIONS  $^{117}\text{Sn}$ ,  $^{113}\text{Cd}$ ,  $^{139}\text{La}$ ,  $\text{Br}$ ,  $^{35}\text{Cl}(n,\gamma)$ , E not given; analyzed  $\gamma$  P-even, P-odd integral CP.  $^{118}\text{Sn}$ ,  $^{114}\text{Cd}$ ,  $^{140}\text{La}$ ,  $^{80}$ ,  $^{82}\text{Br}$ ,  $^{36}\text{Cl}$ ; deduced level structure, density roles.

**Keynumber:** 1996KAZV

**Reference:** Proc.11th Seminar on Precise Measurements in Nucl.Spectrosc., Sarov, p.86 (1996)

**Authors:** L.P.Kabina, Yu.E.Loginov, P.A.Sushkov

**Title:** Energy Correlations and Its Uncertainties by Calculating Level and Transition Energies from  $\gamma$ -Spectra

**Keyword abstract:** NUCLEAR REACTIONS  $^{117}\text{Sn}(n,\gamma),E=\text{thermal}$ ; measured  $\gamma$ -spectra.  $^{118}\text{Sn}$  deduced levels.

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**Keynumber:** 1995LOZX

**Reference:** Program and Thesis, Proc.45th Ann.Conf.Nucl.Spectrosc.Struct.At.Nuclei, St.Petersburg, p.63 (1995)

**Authors:** Yu.E.Loginov, L.M.Smotritsky, P.A.Sushkov

**Title:** Gamma-Lines and Level Scheme of  $^{118}\text{Sn}$  Nucleus from  $^{117}\text{Sn}(n(\text{th}),\gamma)^{118}\text{Sn}$  Reaction

**Keyword abstract:** NUCLEAR REACTIONS  $^{117}\text{Sn}(n,\gamma),E=\text{thermal}$ ; measured  $\gamma$ -spectra.  $^{118}\text{Sn}$  deduced levels, $J,\pi$ ,neutron binding energy. Ge(Li) detector.

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**Keynumber:** 1995LO16

**Reference:** Bull.Rus.Acad.Sci.Phys. 59, 798 (1995)

**Authors:** Yu.E.Loginov, L.M.Smotritsky, P.A.Sushkov

**Title:** Hard  $\gamma$ -Quanta from Reaction  $^{117}\text{Sn}(n\gamma)^{118}\text{Sn}$  on Thermal Neutrons

**Keyword abstract:** NUCLEAR REACTIONS  $^{117}\text{Sn}(n,\gamma),E=\text{thermal}$ ; measured  $E\gamma,I\gamma$ .  $^{118}\text{Sn}$  deduced levels, $J,\pi$ ,neutron binding energy.

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**Keynumber:** 1994KR20

**Reference:** Fiz.Elem.Chastits At.Yadra 25, 1444 (1994); Sov.J.Part.Nucl 25, 612 (1994)

**Authors:** P.A.Krupchitsky

**Title:** Parity Violation in Nuclear Reactions with Polarized Neutrons

**Keyword abstract:** NUCLEAR REACTIONS  $^2, ^1\text{H}, ^{35}\text{Cl}, ^{57}\text{Fe}, ^{79}, ^{81}\text{Br}, ^{111}, ^{113}\text{Cd}, ^{117}\text{Sn}, ^{139}\text{La}, ^{207}\text{Pb}(\text{polarized } n,\gamma),E=\text{thermal, resonance}$ ; compiled,reviewed parity violation data,analyses; deduced dominant mechanism.

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**Keynumber:** 1992BA58

**Reference:** Yad.Fiz. 55, 2709 (1992); Sov.J.Nucl.Phys. 55, 1513 (1992)

**Authors:** A.L.Barabanov

**Title:** Angular Anisotropy of  $\gamma$  Rays in the  $(n,\gamma)$  Reaction Near the p Resonance

**Keyword abstract:** NUCLEAR REACTIONS  $^{117}\text{Sn}, ^{113}\text{Cd}(\text{polarized } n,\gamma),E \approx \text{resonance}$ ; calculated  $\gamma$ -asymmetry vs E; deduced possible reasons for experimental data discrepancies.

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**Keynumber:** 1992BA44

**Reference:** Yad.Fiz. 55, 1876 (1992); Sov.J.Nucl.Phys. 55, 1039 (1992)

**Authors:** A.L.Barabanov

**Title:** Semiclassical Analysis of Angular Correlations in an  $(n,\gamma)$  Reaction Near a p-Wave Resonance

**Keyword abstract:** NUCLEAR REACTIONS  $^{117}\text{Sn}, ^{113}\text{Cd}(\text{polarized } n,\gamma),E \text{ not given}$ ; analyzed data. Semi-classical theory,p-wave resonances.

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**Keynumber:** 1991SK03

**Reference:** Fiz.Elem.Chastits At.Yadra 22, 1400 (1991); Sov.J.Part.Nucl. 22, 681 (1991)

**Authors:** V.R.Skoi, E.I.Sharapov

**Title:** P-Odd Angular Correlations in Resonance  $(n,\gamma)$  Reactions

**Keyword abstract:** NUCLEAR REACTIONS  $^{113}\text{Cd}, ^{117}\text{Sn}(\text{polarized } n,\gamma),E=\text{reactor}$ ; measured capture  $E\gamma,I\gamma$ ,asymmetry; deduced two spin channels resonance model adequacy.  $^{118}\text{Sn}, ^{114}\text{Cd}$  deduced p-

resonance parameters. Other results reviewed.

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**Keynumber:** 1991BA59

**Reference:** Yad.Fiz. 54, 1538 (1991); Sov.J.Nucl.Phys. 54, 941 (1991)

**Authors:** A.L.Barabanov

**Title:** P-Odd Effects in Interactions of Neutrons with  $^{117}\text{Sn}$  and  $^{139}\text{La}$  and the Positions of Negative Resonances

**Keyword abstract:** NUCLEAR REACTIONS  $^{117}\text{Sn}(\text{polarized } n, \gamma), E \leq 50 \text{ eV}$ ; calculated capture  $\sigma(E)$ .  $^{139}\text{La}$ ,  $^{117}\text{Sn}(\text{polarized } n, X), E=\text{low}$ ; calculated p-wave resonance asymmetries. Negative s-wave resonance close to thermal point.

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**Keynumber:** 1990SKZX

**Reference:** JINR-P3-90-126 (1990)

**Authors:** V.R.Skoi, E.I.Sharapov

**Title:** Total and Partial Neutron Cross Sections of  $^{117}\text{Sn}$  at  $E < 5 \text{ eV}$

**Keyword abstract:** NUCLEAR REACTIONS  $^{117}\text{Sn}(n, \gamma), E < 5 \text{ eV}$ ; measured scattering, capture, total  $\sigma(E)$ .  $^{118}\text{Sn}$  transitions deduced  $I_\gamma$ . Enriched target, tof.

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**Keynumber:** 1990LYZZ

**Reference:** JINR-P3-90-125 (1990)

**Authors:** D.I.Lyapin, I.M.Salamatin, A.P.Sirotnin, V.R.Skoi, V.G.Tishin, E.I.Sharapov

**Title:** Fore-Aft Asymmetry in Yield of  $\gamma$ -Quanta with  $E(\gamma) = 9325 \text{ keV}$  from  $^{117}\text{Sn}(n, \gamma)$  Reaction in Epithermal Neutron Energy Range

**Keyword abstract:** NUCLEAR REACTIONS  $^{117}\text{Sn}(n, \gamma), E=0.005-3 \text{ eV}$ ; measured  $\gamma$ -ray forward-backward asymmetry vs  $E$ . ToF.

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**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  $^{112, 114, 115, 116, 117, 118, 119, 120, 122, 124}\text{Sn}(n, \gamma), E=20-450 \text{ keV}$ ; measured capture  $\sigma(E)$ .  $^{112, 114, 115, 116, 117, 118, 119, 120, 122, 124}\text{Sn}(n, X), E=20-1400 \text{ keV}$ ; 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,  $\gamma$ -strength functions.

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**Keynumber:** 1988EFZX

**Reference:** JINR-P4-88-848 (1988)

**Authors:** V.N.Efimov

**Title:** Angular Distribution and Polarization of  $\gamma$ -Quanta in Resonant Reactions with Polarized Particles. Two Level Interferences

**Keyword abstract:** NUCLEAR REACTIONS  $^{117}\text{Sn}(\text{polarized } n, \gamma), E=\text{resonance}$ ; calculated linear, circular polarization vs  $E, \theta$ . R-matrix theory, s-, p-level interference.

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

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**Keynumber:** 1986AL08

**Reference:** Radiat.Eff. 94, 263 (1986)

**Authors:** V.P.Alfimenkov, S.B.Borzakov, Yu.D.Mareev, L.B.Pikelner, I.M.Frank, A.S.Khrykin, E.I.Sharapov

**Title:** Polarization and Angular Correlations in the  $^{117}\text{Sn}(n,\gamma)$  Reaction near the 1.33 eV p-Wave Resonance

**Keyword abstract:** NUCLEAR REACTIONS  $^{117}\text{Sn}$ (polarized n, $\gamma$ ),E=0.1-10 eV; measured  $\sigma(\theta)$  vs E,analyzing power,asymmetry.  $^{118}\text{Sn}$  deduced resonance,parameters.

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**Keynumber:** 1985FL03

**Reference:** Nucl.Phys. A435, 352 (1985)

**Authors:** V.V.Flambaum, O.P.Sushkov

**Title:** Angular and Polarization Correlations in the (n, $\gamma$ ) Reaction

**Keyword abstract:** NUCLEAR REACTIONS  $^{35}\text{Cl}$ ,  $^{81}\text{Br}$ ,  $^{113}\text{Cd}$ ,  $^{117}\text{Sn}$ ,  $^{139}\text{La}$ (polarized n, $\gamma$ ),E  $\approx$  resonance; calculated odd-,even-parity correlation parameters.

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**Keynumber:** 1984ZAZU

**Reference:** Proc.Conf.Neutron Physics, Kiev, Vol.3, p.386 (1984)

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

**Title:**

**Keyword abstract:** NUCLEAR REACTIONS  $^{81}\text{Br}$ ,  $^{111}\text{Cd}$ ,  $^{117}\text{Sn}$ ,  $^{139}\text{La}$ (polarized n, $\gamma$ ), (polarized n,X),E <10 eV; analyzed parity violation mechanism.

-----  
**Keynumber:** 1984ZA05

**Reference:** Yad.Fiz. 39, 585 (1984)

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

**Title:** Space Parity Nonconservation Effects in Radiative Neutron Capture

**Keyword abstract:** NUCLEAR REACTIONS Br,  $^{111}\text{Cd}$ ,  $^{117}\text{Sn}$ ,  $^{139}\text{La}(n,\gamma)$ ,E  $\approx$  resonance; calculated capture  $\gamma$  CP, $\gamma(\theta)$  asymmetry coefficient; deduced space parity nonconservation role.

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**Keynumber:** 1984AV04

**Reference:** J.Phys.(Paris), Colloq.C3, 99 (1984)

**Authors:** M.Avenier, G.Bagieu, J.F.Cavaignac, D.H.Koang, A.Idrissi, B.Vignon, R.Wilson

**Title:** Study of the Neutron-Proton Weak Interaction at the ILL Reactor

**Keyword abstract:** NUCLEAR REACTIONS  $^1\text{H}$ ,  $^{117}\text{Sn}$ ,  $^{35}\text{Cl}$ (polarized n, $\gamma$ ),E=low; measured  $\gamma$ -asymmetry.

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**Keynumber:** 1984AL23

**Reference:** Pisma Zh.Eksp.Teor.Fiz. 39, 346 (1984); JETP Lett.(USSR) 39, 416 (1984)

**Authors:** V.P.Alfimenkov, S.B.Borzakov, Vo Van Tkhuon, Yu.D.Mareev, L.B.Pikelner, I.M.Frank, A.S.Khrykin, E.I.Sharapov

**Title:** Left-Right Asymmetry in the  $\gamma$  Emission at a P-Parity-Breaking Neutron Resonance of  $^{117}\text{Sn}$

**Keyword abstract:** NUCLEAR REACTIONS  $^{117}\text{Sn}$ (polarized n, $\gamma$ ),E  $\approx$  1.33 eV; measured  $\gamma$ -asymmetry,radiative capture.  $^{118}\text{Sn}$  resonance deduced ( $\Gamma(p_{1/2})/\Gamma(p)$ ).

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**Keynumber:** 1984AL14

**Reference:** Yad.Fiz. 39, 1057 (1984)

**Authors:** V.P.Alfimenkov, S.B.Borzakov, Vo Vang Thuan, Yu.D.Mareev, L.B.Pikelner, I.M.Frank, A.S.Khrykin, E.I.Sharapov

**Title:**  $\gamma$ -Ray Spectra from the Neutron Resonances  $^{81}\text{Br}$ ,  $^{117}\text{Sn}$ ,  $^{139}\text{La}$  Violating the Space Parity

**Keyword abstract:** NUCLEAR REACTIONS  $^{81}\text{Br}$ ,  $^{117}\text{Sn}$ ,  $^{139}\text{La}(n,\gamma)$ ,  $E=0.88$  eV; measured  $E\gamma, I\gamma$ .  $^{117}\text{Sn}(n,\gamma)$ ,  $E=\text{thermal}$ ; measured  $E\gamma, I\gamma$ ; deduced capture  $\sigma$ .  $^{82}\text{Br}$ ,  $^{118}\text{Sn}$ ,  $^{140}\text{La}$  deduced resonances,  $I\gamma, \Gamma\gamma$ .

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**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  $^{117}\text{Sn}$ ,  $^{139}\text{La}$ ,  $^{114}\text{Cd}(n,n)$ ,  $(n,\gamma)$ ,  $E \approx \text{resonance}$ ; analyzed data; deduced parity violation mechanism.

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**Keynumber:** 1983VEZU

**Reference:** Program and Theses, Proc.33rd Ann.Conf.Nucl.Spectrosc.Struct.At.Nuclei, Moscow, p.306 (1983)

**Authors:** V.A.Vesna, E.A.Kolomensky, V.M.Lobashev, V.A.Nazarenko, A.N.Pirozhkov, L.M.Smotritsky, Yu.V.Sobolev, N.A.Titov

**Title:**

**Keyword abstract:** NUCLEAR REACTIONS  $\text{Cl, Br, Cd}$ ,  $^{117}\text{Sn, La}(\text{polarized } n,\gamma)$ ,  $E=\text{thermal}$ ; measured capture  $\gamma$  asymmetry; deduced parity violating effects.  $\text{Cl, Br, Cd}$ ,  $^{117}\text{Sn, La}(n,\gamma)$ ,  $E=\text{thermal}$ ; measured  $\gamma$  CP; deduced parity violating effects.

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**Keynumber:** 1983BUZU

**Reference:** JINR-P4-83-379 (1983)

**Authors:** V.E.Bunakov, V.P.Gudkov, S.G.Kadmensky, I.A.Lomachenkov, V.I.Furman

**Title:** Parity Nonconservation Effects in Radiative Caspture Cross-Section

**Keyword abstract:** NUCLEAR REACTIONS  $^{81}\text{Br}$ ,  $^{113}\text{Cd}$ ,  $^{117}\text{Sn}$ ,  $^{139}\text{La}(n,\gamma)$ ,  $E=\text{thermal}$ ; analyzed radiative capture  $\sigma$  data; deduced parity nonconserving effect role in weak interaction matrix element determination.

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**Keynumber:** 1982VEZR

**Reference:** Program and Theses, Proc.32nd Ann.Conf.Nucl.Spectrosc.Struct.At.Nuclei, Kiev, p.292 (1982)

**Authors:** V.A.Vesna, E.A.Kolomensky, V.M.Lobashev, A.N.Pirozhkov, L.M.Smotritsky, N.A.Titov

**Title:**

**Keyword abstract:** NUCLEAR REACTIONS  $^{117}\text{Sn}$ ,  $^{139}\text{La}(\text{polarized } n,\gamma)$ ,  $(\text{polarized } n,X)$ ,  $E=\text{thermal}$ ; measured radiative, total  $\sigma$  dependence on neutron helicity; deduced parity violation effect.

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**Keynumber:** 1982VE14

**Reference:** Izv.Akad.Nauk SSSR, Ser.Fiz. 46, 2116 (1982)

**Authors:** V.A.Vesna, E.A.Kolomensky, V.M.Lobashev, A.N.Pirozhkov, L.M.Smotritsky, N.A.Titov

**Title:** Observation of Parity Violation Effect in the Total Cross Section and Radiative Capture Cross Sections in the Interaction of Polarized Thermal Neutrons with the Nuclei  $^{117}\text{Sn}$  and  $^{139}\text{La}$

**Keyword abstract:** NUCLEAR REACTIONS  $^{117}\text{Sn}$ ,  $^{139}\text{La}(\text{polarized } n,n)$ ,  $(\text{polarized } n,\gamma)$ ,  $E=\text{thermal}$ ;

measured total  $\sigma$ ; deduced parity violation effect.

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**Keynumber:** 1982BO20

**Reference:** Yad.Fiz. 35, 675 (1982)

**Authors:** V.I.Bondarenko, M.G.Urin

**Title:** Average Total Radiative Widths of Neutron Resonances and the E1 Transitions between the Nuclear Compound States

**Keyword abstract:** NUCLEAR REACTIONS  $^{94}\text{Mo}$ ,  $^{117}\text{Sn}$ ,  $^{123}\text{Sb}$ ,  $^{123}\text{Te}$ ,  $^{143}\text{Nd}$ ,  $^{198}\text{Hg}$ ,  $^{230}$ ,  $^{232}\text{Th}$ ,  $^{231}$ ,  $^{233}\text{Pa}$ ,  $^{234}$ ,  $^{238}\text{U}$ ,  $^{239}$ ,  $^{242}\text{Pu}$ ,  $^{241}\text{Am}$ ,  $^{244}$ ,  $^{246}\text{Cm}(n,\gamma)$ , E not given; analyzed E1 photoabsorption data.  $^{95}\text{Mo}$ ,  $^{118}\text{Sn}$ ,  $^{124}\text{Sb}$ ,  $^{124}\text{Te}$ ,  $^{144}\text{Nd}$ ,  $^{199}\text{Hg}$ ,  $^{231}$ ,  $^{233}\text{Th}$ ,  $^{232}$ ,  $^{234}\text{Pa}$ ,  $^{235}$ ,  $^{239}\text{U}$ ,  $^{240}$ ,  $^{243}\text{Pu}$ ,  $^{242}\text{Am}$ ,  $^{245}$ ,  $^{247}\text{Cm}$  resonances deduced total  $\Gamma\gamma$ . Semi-microscopic shell model.

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**Keynumber:** 1981KO36

**Reference:** Phys.Lett. 107B, 272 (1981)

**Authors:** E.A.Kolomensky, V.M.Lobashev, A.N.Pirozhkov, L.M.Smotritsky, N.A.Titov, V.A.Vesna

**Title:** Observation of Parity Violating Effects in the Polarized Thermal Neutron Total and Radiative Capture Cross Sections of  $^{117}\text{Sn}$  and  $^{139}\text{La}$

**Keyword abstract:** NUCLEAR REACTIONS  $^{117}\text{Sn}$ ,  $^{139}\text{La}(\text{polarized } n,\gamma)$ , ( $\text{polarized } n,X$ ), E=thermal; measured  $\sigma$ , transmission, helicity dependent asymmetry; deduced parity violating effects. Longitudinal beam polarization.

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**Keynumber:** 1977BE55

**Reference:** Phys.Lett. 71B, 287 (1977)

**Authors:** H.Benkoula, J.C.Cavaignac, J.L.Charvet, D.H.Koang, B.Vignon, R.Wilson

**Title:** Evidence of Parity Violation in Neutron Capture by  $^{117}\text{Sn}$

**Keyword abstract:** NUCLEAR REACTIONS  $^{117}\text{Sn}(\text{polarized } n,\gamma)$ , E=cold; measured  $\gamma(\theta)$ ; deduced parity violation.

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**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  $^{118}\text{Sn}$

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

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**Keynumber:** 1973BOWK

**Coden:** REPT ANL-8035 P9

**Keyword abstract:** NUCLEAR REACTIONS  $^{117}$ ,  $^{119}\text{Sn}(n,\gamma)$ ; measured  $\sigma(E\gamma)$ .

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**Keynumber:** 1971BOZC

**Coden:** JOUR BAPSA 16 1181, L M Bollinger, 10/29/71

**Keyword abstract:** NUCLEAR REACTIONS  $^{117}$ ,  $^{119}\text{Sn}(n,\gamma)$ , E=resonance; measured  $E\gamma, I\gamma$ .  $^{118}$ ,  $^{120}\text{Sn}$  deduced giant resonance, level-width.

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**Keynumber:** 1969AD06

**Reference:** Yadern.Fiz. 10, 18 (1969); Soviet J.Nucl.Phys. 10, 10 (1970)

**Authors:** Y.V.Adamchuk, V.S.Zenkevich, S.S.Moskalev, G.V.Muradyan, Y.G.Shchepkin

**Title:** Study of  $\text{Sn}^{117}$  Neutron Cross Sections

**Keyword abstract:** NUCLEAR REACTIONS  $^{117}\text{Sn}(n,X)$ ,  $(n,\gamma)$ ,  $(n,n')$ ,  $E < 1$  keV; measured  $\sigma(E)$ .  $^{118}\text{Sn}$  deduced resonances, level-width, J, strength functions.

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**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  $\gamma$  Rays Following s- and p-Wave Neutron Capture in Tin Isotopes

**Keyword abstract:** NUCLEAR REACTIONS  $^{117}$ ,  $^{118}$ ,  $^{120}$ ,  $^{124}\text{Sn}(n,\gamma)$ ,  $E=0.02-500$  eV; measured  $E\gamma, I\gamma, \sigma(\theta(\gamma))$ .  $^{118}$ ,  $^{119}$ ,  $^{121}$ ,  $^{125}\text{Sn}$  deduced resonances, J,  $\pi$ , level-width.  $^{118}$ ,  $^{119}$ ,  $^{121}$ ,  $^{125}\text{Sn}$  deduced levels, J,  $\pi$ .

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**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.

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