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**35 reference(s) found :**

**Keynumber:** 1996SI34

**Reference:** J.Radioanal.Nucl.Chem. 204, 241 (1996)

**Authors:** M.Siad, M.Belgaid

**Title:** Activation Cross Sections for Some Isotopes of Zr,Mo,Br,Ta and Ce at 14.7 MeV Neutrons

**Keyword abstract:** NUCLEAR REACTIONS  $^{90}\text{Zr}$ ,  $^{100}\text{Mo}$ ,  $^{181}\text{Ta}(n,2n)$ ,  $^{90,92}\text{Zr}$ ,  $^{97,98}\text{Mo}$ ,  $^{140}\text{Ce}(n,p)$ ,  $^{90,92}\text{Zr}$ ,  $^{92}\text{Mo}$ ,  $^{79,81}\text{Br}(n,\alpha)$ ,  $^{81}\text{Br}(n,\gamma)$ ,  $E=14.7$  MeV; measured  $\sigma$ . Activation technique.

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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:** 1994AD10

**Reference:** Nucl.Phys. A577, 433c (1994)

**Authors:** T.Adachi, K.Asahi, M.Doi, M.Harada, M.Iinuma, S.Ishimoto, T.Maekawa, A.Masaike, Y.Masuda, Y.Matsuda, K.Morimoto, K.Okumura, K.Sakai, H.Sato, H.M.Shimizu, Y.Takahashi, R.Takizawa, T.Yabuzaki, Z.J.Zheng

**Title:** Test of Parity Violation and Time Reversal Invariance in Slow Neutron Absorption Reactions

**Keyword abstract:** NUCLEAR REACTIONS  $^{139}\text{La}$ ,  $^{111}\text{Cd}$ ,  $^{81}\text{Br}(\text{polarized } n,\gamma)$ ,  $E=\text{slow}$ ; compiled, reviewed data; deduced weak interaction matrix element.

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**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  $\gamma$ -Ray Angular Distribution in Neutron-Radiative-Capture Reactions

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

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**Keynumber:** 1988MA24

**Reference:** Nucl.Sci.Eng. 99, 133 (1988)

**Authors:** R.L.Macklin

**Title:** Neutron Capture by  $^{79}\text{Br}$ ,  $^{81}\text{Br}$ , and  $^{75}\text{As}$

**Keyword abstract:** NUCLEAR REACTIONS  $^{79,81}\text{Br}$ ,  $^{75}\text{As}(n,\gamma)$ ,  $E \leq 700$  keV; measured capture  $\sigma(E)$ ; deduced Maxwellian  $\langle s \rangle$   $^{76}\text{As}$  deduced resonances,  $(g\Gamma_n\Gamma_\gamma)/\Gamma, \Gamma$ .  $^{80,82}\text{Br}$  deduced resonances,  $J, \pi, \Gamma$ ,  $(g\Gamma_n\Gamma_\gamma)/\Gamma$ .

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**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:** 1985SZ02

**Reference:** J.Radioanal.Nucl.Chem. 96, 241 (1985)

**Authors:** A.S.Szabo

**Title:** Calculation Method in Activation Analysis for Determination of Two Different Radionuclides with Almost the same  $\gamma$ -Energy

**Keyword abstract:** NUCLEAR REACTIONS  $^{75}\text{As}$ ,  $^{81}\text{Br}$ ,  $^{121}\text{Sb}$ (n, $\gamma$ ),E=thermal; measured  $I\gamma(t)$ ,ratio; deduced activation analysis criteria.

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**Keynumber:** 1985KO48

**Reference:** Nucl.Instrum.Methods Phys.Res. B10/11, 1058 (1985)

**Authors:** K.Koh, R.Finn, P.Smith, E.Tavano, J.Dwyer, H.Sheh

**Title:** Activation Analysis Utilizing Byproduct Neutrons of Cyclotron Internal Target Runs

**Keyword abstract:** NUCLEAR REACTIONS  $^{58}\text{Ni}$ (n,2n),  $^{27}\text{Al}$ (n, $\alpha$ ),  $^{56}\text{Fe}$ ,  $^{65}\text{Cu}$ ,  $^{24}\text{Mg}$ ,  $^{58}\text{Ni}$ (n,p),  $^{23}\text{Na}$ ,  $^{55}\text{Mn}$ ,  $^{64}\text{Ni}$ ,  $^{71}\text{Ga}$ ,  $^{81}\text{Br}$ ,  $^{109}\text{Ag}$ ,  $^{115}\text{In}$ ,  $^{197}\text{Au}$ (n, $\gamma$ ),E=thermal-14.4 MeV; measured thermal,absorption  $\sigma$ ,reaction rates. Neutron activation analysis.

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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.

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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=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:** 1983WAZQ

**Reference:** NEANDC(E)-242U, Vol.V, p.7 (1983)

**Authors:** G.Walter, H.Beer

**Title:** Neutron Capture Cross Sections at 25 keV by the Activation Method

**Keyword abstract:** NUCLEAR REACTIONS  $^{71}\text{Ga}$ ,  $^{75}\text{As}$ ,  $^{79}$ ,  $^{81}\text{Br}$ ,  $^{86}\text{Kr}$ ,  $^{85}$ ,  $^{87}\text{Rb}$ (n, $\gamma$ ),E=25 keV; measured Maxwellian averaged  $\sigma$ . Gold standard.

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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=thermal; analyzed radiative capture  $\sigma$  data; deduced parity nonconserving effect role in weak interaction matrix element determination.

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**Keynumber:** 1983ALZT

**Reference:** JINR-P3-83-634 (1983)

**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:** Gamma-Ray Spectra from Parity Nonconserving Neutron Resonances of  $^{81}\text{Br}$ ,  $^{117}\text{Sn}$ ,  $^{139}\text{La}$

**Keyword abstract:** NUCLEAR REACTIONS  $^{81}\text{Br}(n,\gamma)$ , E=0.88 eV;  $^{117}\text{Sn}(n,\gamma)$ , E=1.33 eV;  $^{139}\text{La}(n,\gamma)$ , E=0.75 eV; measured  $E\gamma$ ,  $I\gamma$ .  $^{118}\text{Sn}$  deduced resonances,  $\Gamma\gamma$ ,  $\gamma$ -branching,  $\gamma$ -multipolarity.  $^{140}\text{La}$ ,  $^{82}\text{Br}$  deduced resonances,  $I\gamma$ ,  $\Gamma\gamma$ .

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**Keynumber:** 1982VE10

**Reference:** Pisma Zh.Eksp.Teor.Fiz. 35, 351; JETP Lett.(USSR) 35, 433 (1982)

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

**Title:** Observation of Parity Nonconservation in the Total Cross Section and in the Cross Section for the Radiative Capture of Polarized Thermal Neutrons in  $^{79}$ ,  $^{81}\text{Br}$

**Keyword abstract:** NUCLEAR REACTIONS  $^{79}$ ,  $^{81}\text{Br}(\text{polarized } n, X)$ , ( $\text{polarized } n, \gamma$ ), E=thermal; measured transmission,  $\sigma(\text{capture})$ ; deduced parity violating effects. Longitudinal beam polarization.

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**Keynumber:** 1981OH09

**Reference:** J.Nucl.Sci.Technol.(Tokyo) 18, 745 (1981)

**Authors:** M.Ohkubo, Y.Kawarasaki, M.Mizumoto

**Title:** Neutron Resonance Parameters of Bromine-79 and Bromine-81

**Keyword abstract:** NUCLEAR REACTIONS  $^{79}$ ,  $^{81}\text{Br}(n,\gamma)$ , ( $n, X$ ), E=0.05-10 keV; measured transmission,  $E\gamma$ ,  $I\gamma$ .  $^{80}$ ,  $^{82}\text{Br}$  deduced  $\langle \Gamma\gamma \rangle$  average level spacing, resonances, resonance parameters, s-wave strength functions. Area analysis, Monte Carlo calculation.

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**Keynumber:** 1980WA20

**Reference:** Acta Phys.Austr. 52, 23 (1980)

**Authors:** M.Wagner, H.Warhanek

**Title:** Activation Measurements on Neutron Capture Cross Sections at 14.6 MeV and a Critical Survey of Such Data in the Literature

**Keyword abstract:** NUCLEAR REACTIONS  $^{45}\text{Sc}$ ,  $^{75}\text{As}$ ,  $^{81}\text{Br}$ ,  $^{96}\text{Zr}$ ,  $^{100}\text{Mo}$ ,  $^{104}\text{Ru}$ ,  $^{115}\text{In}$ ,  $^{123}\text{Sb}$ ,  $^{133}\text{Cs}$ ,  $^{141}\text{Pr}$ ,  $^{181}\text{Ta}$ ,  $^{187}\text{Re}(n,\gamma)$ , E=14.6 MeV; measured  $\sigma$ ; deduced no shell effects. Activation technique.

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**Keynumber:** 1979OHZZ

**Reference:** NEANDC(J)-61/U, p.5 (1979)

**Authors:** M.Ohkubo, Y.Kawarasaki, M.Mizumoto

**Title:** Neutron Resonance Parameters of  $^{79}\text{Br}$  and  $^{81}\text{Br}$  up to 15 keV

**Keyword abstract:** NUCLEAR REACTIONS  $^{79}$ ,  $^{81}\text{Br}(n, X)$ , ( $n, \gamma$ ), E<5 keV; measured  $\sigma$ .  $^{80}$ ,  $^{82}\text{Br}$

levels deduced resonance parameters.  ${}^6\text{Li}$ -glass, Moxon-Rae detectors. Atta-Harvey, Monte-Carlo analyses.

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**Keynumber:** 1979OHZW

**Reference:** Bull. Am. Phys. Soc. 24, No. 7, 867, BB10 (1979)

**Authors:** M. Ohkubo, Y. Kawarasaki, M. Mizumoto

**Title:** Neutron Resonance Parameters of  ${}^{79}\text{Br}$  and  ${}^{81}\text{Br}$  up to 15 keV

**Keyword abstract:** NUCLEAR REACTIONS  ${}^{79}, {}^{81}\text{Br}(n, X), (n, \gamma), E < 15 \text{ MeV}$ ; measured  $\sigma$ .  ${}^{80}, {}^{82}\text{Br}$  deduced resonances, S-wave strength functions. Monte Carlo analysis.

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**Keynumber:** 1979AG02

**Reference:** J. Phys. Soc. Jpn. 46, 1 (1979)

**Authors:** H. M. Agrawal, M. L. Sehgal

**Title:** Statistical Theory Calculations of Neutron-Capture Cross-Sections at 24 keV

**Keyword abstract:** NUCLEAR REACTIONS  ${}^{45}\text{Sc}, {}^{55}\text{Mn}, {}^{63}, {}^{65}\text{Cu}, {}^{69}, {}^{71}\text{Ga}, {}^{75}\text{As}, {}^{79}, {}^{81}\text{Br}, {}^{80}\text{Se}, {}^{85}, {}^{87}\text{Rb}, {}^{89}\text{Y}, {}^{93}\text{Nb}, {}^{96}\text{Zr}, {}^{98}, {}^{100}\text{Mo}, {}^{107}, {}^{109}\text{Ag}, {}^{108}\text{Pd}, {}^{114}\text{Cd}, {}^{115}\text{In}, {}^{127}\text{I}, {}^{133}\text{Cs}, {}^{138}\text{Ba}, {}^{139}\text{La}, {}^{140}, {}^{142}\text{Ce}, {}^{141}\text{Pr}, {}^{152}, {}^{154}\text{Sm}, {}^{158}, {}^{160}\text{Gd}, {}^{164}\text{Dy}, {}^{165}\text{Ho}, {}^{170}\text{Er}, {}^{175}\text{Lu}, {}^{180}\text{Hf}, {}^{181}\text{Ta}, {}^{184}, {}^{186}\text{W}, {}^{185}, {}^{187}\text{Re}, {}^{197}\text{Au}, {}^{202}\text{Hg}, {}^{208}\text{Pb}, {}^{209}\text{Bi}, {}^{232}\text{Th}(n, \gamma), E = 24 \text{ keV}$ ; calculated  $\sigma$ ; deduced ratio of average  $\Gamma\gamma$  to average level spacing. Margolis formula of statistical theory, low energy resonance parameters.

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**Keynumber:** 1978DO06

**Reference:** Z. Phys. A286, 107 (1978)

**Authors:** Do Huu Phuoc, R. Chery, H. G. Borner, W. F. Davidson, J. A. Pinston, R. Roussille, K. Schreckenbach, H. R. Koch, H. Seyfarth, D. Heck

**Title:** Study of the Level Structures of  ${}^{80}\text{Br}$  and  ${}^{82}\text{Br}$  Using the Thermal Neutron Capture Reaction

**Keyword abstract:** NUCLEAR REACTIONS  ${}^{79}, {}^{81}\text{Br}(n, \gamma), E = \text{th}$ ; measured  $E\gamma, I\gamma, I(\text{ce}), \gamma\gamma\text{-coin}$ ; deduced  $Q$ .  ${}^{80}, {}^{82}\text{Br}$  deduced levels,  $J, \pi, \lambda$ , neutron binding energy. Enriched target, bent-crystal, Ge(Li),  $\beta$ -spectrometers.

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**Keynumber:** 1977PHZX

**Coden:** CONF Tokyo (Nucl Structure), Proc, Vol 1, P298, Phuoc

**Keyword abstract:** NUCLEAR REACTIONS  ${}^{79}, {}^{81}\text{Br}(n, \gamma), {}^{80}, {}^{82}\text{Se}(p, n\gamma)$ ; measured  $\gamma\gamma\text{-}, n\gamma\text{-coin}, \gamma(\theta)$ .  ${}^{80}, {}^{82}\text{Br}$  deduced levels.

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**Keynumber:** 1977PHZW

**Coden:** REPT KFA-IKP-10/77, P52, Phuoc

**Keyword abstract:** NUCLEAR REACTIONS  ${}^{79}, {}^{81}\text{Br}(n, \gamma)$ ; measured  $\gamma, \text{ce}$  spectra.  ${}^{80}, {}^{82}\text{Br}$  deduced levels.

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**Keynumber:** 1977PHZT

**Coden:** REPT KFK-2504, P60, Phuoc

**Keyword abstract:** NUCLEAR REACTIONS  ${}^{79}, {}^{81}\text{Br}(n, \gamma), E = \text{thermal}$ ; measured  $\sigma(E\gamma), \gamma\gamma\text{-coin}, E(\text{Ce})$ .  ${}^{80}, {}^{82}\text{Br}$  deduced levels, J. Isotopically separated targets.

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**Keynumber:** 1977DOZY

**Coden:** JOUR VDPEA No 6/1977, 846, A4-4, Do

**Keyword abstract:** NUCLEAR REACTIONS  ${}^{79}, {}^{81}\text{Br}(n, \gamma), E = \text{th}$ ; measured  $E\gamma, I\gamma, I(\text{ce}), \gamma\gamma\text{-coin}$ .  ${}^{80}, {}^{82}\text{Br}$

deduced levels,J, $\pi$ .

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**Keynumber:** 1977DOZP

**Reference:** Thesis, Univ.Claude Bernard,Lyon (1977); LYCEN-7736 (1977)

**Authors:** H.-P.Do

**Title:** Etude Spectroscopique des Isotopes de  $^{80}\text{Br}$  par les Reactions (n, $\gamma$ ) et (p,n $\gamma$ )

**Keyword abstract:** NUCLEAR REACTIONS  $^{79}, ^{81}\text{Br}(n,\gamma), E=\text{thermal}$ ; measured  $E\gamma, I\gamma, I(\text{ce}), \gamma\gamma\text{-coin}$ ;  $^{80}, ^{82}\text{Se}(p,n\gamma), E$  not given; measured  $E\gamma, I\gamma, \gamma\gamma(t), \gamma(\theta)$ .  $^{80}, ^{82}\text{Br}$  deduced levels,J, $\pi, T_{1/2}$ . Shell,deformed nucleus models.

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**Keynumber:** 1977DEZN

**Coden:** JOUR VDPEA No6/1977,844,A4-1,de Boer

**Keyword abstract:** NUCLEAR REACTIONS  $^{79}, ^{81}\text{Br}, ^{107}\text{Ag}(n,\gamma)$ ; measured  $\gamma$ -spectra,CP.

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**Keynumber:** 1973SCYA

**Coden:** REPT INDC(SEC)-36/L P8

**Keyword abstract:** NUCLEAR REACTIONS  $^{26}\text{Mg}, ^{37}\text{Cl}, ^{41}\text{K}, ^{55}\text{Mn}, ^{71}\text{Ga}, ^{81}\text{Br}, ^{87}\text{Rb}, ^{100}\text{Mo}, ^{115}\text{In}, ^{127}\text{I}, ^{133}\text{Cs}, ^{138}\text{Ba}, ^{139}\text{La}, ^{142}\text{Ce}, ^{181}\text{Ta}, ^{198}\text{Pt}(n,\gamma)$ ; measured  $\sigma$ .

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**Keynumber:** 1973MU20

**Reference:** Nucl.Phys. A213, 35 (1973)

**Authors:** M.Sriramachandra Murty, K.Siddappa, J.Rama Rao

**Title:** Structure of 3P Size Resonance in Neutron Strength Functions

**Keyword abstract:** NUCLEAR REACTIONS  $^{63}\text{Cu}, ^{68}\text{Zn}, ^{74}, ^{80}\text{Se}, ^{81}\text{Br}, ^{85}, ^{87}\text{Rb}, ^{96}, ^{102}, ^{104}\text{Ru}, ^{98}, ^{100}\text{Mo}, ^{108}\text{Pd}, ^{109}\text{Ag}, ^{113}, ^{115}\text{In}, ^{121}, ^{123}\text{Sb}, ^{133}\text{Cs}, ^{138}\text{Ba}, ^{140}\text{Ce}(n,\gamma), E=18\text{-}28\text{ keV}$ ; measured  $\sigma$ ,extracted p-wave neutron strength function.

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**Keynumber:** 1973LAYG

**Reference:** RCN-191 (1973)

**Authors:** G.Lautenbach

**Title:** Calculated Neutron Absorption Cross Sections of 75 Fission Products

**Keyword abstract:** NUCLEAR REACTIONS  $^{81}\text{Br}, ^{83}, ^{84}, ^{85}, ^{86}\text{Kr}, ^{85}, ^{87}\text{Rb}, ^{88}, ^{90}\text{Sr}, ^{89}\text{Y}, ^{91}, ^{92}, ^{93}, ^{94}, ^{95}, ^{96}\text{Zr}, ^{95}, ^{97}, ^{98}, ^{100}\text{Mo}, ^{99}\text{Tc}, ^{101}, ^{102}, ^{104}, ^{106}\text{Ru}, ^{103}\text{Rh}, ^{105}, ^{106}, ^{107}, ^{108}, ^{110}\text{Pd}, ^{109}\text{Ag}, ^{111}, ^{112}, ^{113}, ^{114}\text{Cd}, ^{115}\text{In}, ^{126}, ^{128}, ^{130}\text{Te}, ^{127}, ^{129}\text{I}, ^{131}, ^{132}, ^{134}, ^{136}\text{Xe}, ^{133}, ^{135}, ^{137}\text{Cs}, ^{138}\text{Ba}, ^{139}\text{La}, ^{140}, ^{142}\text{Ce}, ^{141}\text{Pr}, ^{143}, ^{144}, ^{145}, ^{146}, ^{148}, ^{150}\text{Nd}, ^{147}\text{Pm}, ^{147}, ^{148}, ^{149}, ^{150}, ^{151}, ^{152}, ^{154}\text{Sm}, ^{153}, ^{154}, ^{155}\text{Eu}, ^{155}, ^{156}, ^{157}, ^{158}\text{Gd}, ^{159}\text{Tb}(n,\gamma)$ ; calculated  $\sigma(E)$ .

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**Keynumber:** 1972VA29

**Reference:** Nucl.Instrum.Methods 103, 549 (1972)

**Authors:** M.Valkonen, J.Kantele

**Title:** The Role of Target Geometry in 14 MeV Neutron Capture Cross-Section Measurements

**Keyword abstract:** NUCLEAR REACTIONS  $^{81}\text{Br}, ^{103}\text{Rh}, ^{127}\text{I}, ^{170}\text{Er}(n,\gamma), E=14.5\text{ MeV}$ ; measured  $\sigma$ ; analyzed target geometry effects.

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**Keynumber:** 1972KA21

**Reference:** Phys.Lett. 39B, 625 (1972)

**Authors:** J.Kantele, M.Valkonen

**Title:** Mass Number Dependence of Activation Capture Cross Sections for 14 MeV Neutrons

**Keyword abstract:** NUCLEAR REACTIONS  $^{51}\text{V}$ ,  $^{81}\text{Br}$ ,  $^{103}\text{Rh}$ ,  $^{127}\text{I}$ ,  $^{154}\text{Sm}$ ,  $^{160}\text{Gd}$ ,  $^{165}\text{Ho}$ ,  $^{170}\text{Er}$  (n, $\gamma$ ),E=14.5 MeV; measured activation  $\sigma$ .

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**Keynumber:** 1971RYZZ

**Reference:** Proc.Int.Conf.Chemical Nuclear Data, Measurements and Applications, Canterbury, England, M.L.Hurrell, Ed., Institution of Civil Engineers, London, p.139 (1971)

**Authors:** T.B.Ryves

**Title:** Thermal Neutron Capture Cross Section Measurements at the NPL

**Keyword abstract:** NUCLEAR REACTIONS  $^{23}\text{Na}$ ,  $^{26}\text{Mg}$ ,  $^{27}\text{Al}$ ,  $^{30}\text{Si}$ ,  $^{37}\text{Cl}$ ,  $^{41}\text{K}$ ,  $^{50}\text{Ti}$ ,  $^{51}\text{V}$ ,  $^{58}\text{Fe}$ ,  $^{64}\text{Ni}$ ,  $^{63}$ ,  $^{65}\text{Cu}$ ,  $^{69}$ ,  $^{71}\text{Ga}$ ,  $^{75}\text{As}$ ,  $^{79}$ ,  $^{81}\text{Br}$ ,  $^{89}\text{Y}$ ,  $^{107}$ ,  $^{109}\text{Ag}$ ,  $^{115}\text{In}$ ,  $^{121}$ ,  $^{123}\text{Sb}$ ,  $^{127}\text{I}$ ,  $^{139}\text{La}$ ,  $^{151}\text{Eu}$ ,  $^{196}$ ,  $^{198}\text{Pt}$  (n, $\gamma$ ),E=thermal; measured  $\sigma$ .

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**Keynumber:** 1971RYZX

**Coden:** CONF Canterbury(Chem Nucl Data),P139,12/10/72

**Keyword abstract:** NUCLEAR REACTIONS  $^{23}\text{Na}$ ,  $^{26}\text{Mg}$ ,  $^{27}\text{Al}$ ,  $^{30}\text{Si}$ ,  $^{37}\text{Cl}$ ,  $^{41}\text{K}$ ,  $^{50}\text{Ti}$ ,  $^{51}\text{V}$ ,  $^{58}\text{Fe}$ ,  $^{64}\text{Ni}$ ,  $^{63}$ ,  $^{65}\text{Cu}$ ,  $^{69}$ ,  $^{71}\text{Ga}$ ,  $^{75}\text{As}$ ,  $^{79}\text{Br}$ ,  $^{81}\text{Br}$ ,  $^{89}\text{Y}$ ,  $^{107}$ ,  $^{109}\text{Ag}$ ,  $^{115}\text{In}$ ,  $^{121}$ ,  $^{123}\text{Sb}$ ,  $^{127}\text{I}$ ,  $^{139}\text{La}$ ,  $^{151}\text{Eu}$ ,  $^{196}$ ,  $^{198}\text{Pt}$  (n, $\gamma$ ),E=thermal; measured  $\sigma$ ; deduced resonance integrals.

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**Keynumber:** 1970DI03

**Reference:** Acta Phys. 28, 257 (1970)

**Authors:** M.Diksic, P.Strohal, G.Peto, P.Bornemisza-Pausperl, I.Hunyadi, J.Karolyi

**Title:** Additional Measurements of the Radiative Capture Cross Sections for 3 MeV Neutrons

**Keyword abstract:** NUCLEAR REACTIONS  $^{63}\text{Cu}$ ,  $^{74}\text{Ge}$ ,  $^{75}\text{As}$ ,  $^{80}\text{Se}$ ,  $^{81}\text{Br}$ ,  $^{130}\text{Te}$ ,  $^{141}\text{Pr}$ ,  $^{186}\text{W}$ ,  $^{209}\text{Bi}$  (n, $\gamma$ ), E=3 MeV; measured  $\sigma$ .  $^{75}\text{Ge}$ ,  $^{81}\text{Se}$ ,  $^{142}\text{Pr}$  deduced isomeric  $\sigma$  ratios, spin cut-off parameters.