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**27 reference(s) found :**

**Keynumber:** 2000GR12

**Reference:** Yad.Fiz. 63, No 3, 484 (2000); Phys.Atomic Nuclei 63, 414 (2000)

**Authors:** O.T.Grudzevich

**Title:** Temperature Dependence of Radiative Strength Functions and Isomeric Cross Sections

**Keyword abstract:** NUCLEAR REACTIONS  $^{182, 183, 184, 186}\text{W}(n,\gamma)$ ,  $E=0.5$  MeV; calculated  $\gamma$  spectra.  $^{74, 82}\text{Se}$ ,  $^{87}\text{Rb}$ ,  $^{92}\text{Mo}$ ,  $^{115}\text{In}(n,2n)$ ,  $E=12-18$  MeV;  $^{151, 153}\text{Eu}(\gamma,n)$ ,  $E=12-24$  MeV;  $^{90}\text{Zr}(\gamma,n)$ ,  $(n,2n)$ ,  $E=12-25$  MeV;  $^{179}\text{Hf}$ ,  $^{181}\text{Ta}(\gamma,p)$ ,  $E=17-24$  MeV; calculated isomer production ratios.  $^{180}\text{Hf}$ ,  $^{190}\text{Os}$ ,  $^{191}\text{Ir}$ ,  $^{197}\text{Au}(\gamma,\gamma)$ ,  $E=1-13$  MeV; calculated isomer production  $\sigma$ . Comparisons with data. Other reactions discussed.

**Keynumber:** 1987KO37

**Reference:** Yad.Fiz. 46, 51 (1987)

**Authors:** V.N.Kononov, E.D.Poletaev, V.M.Timokhov, G.N.Manturov, M.V.Bokhovko, A.A.Voevodsky

**Title:** Fast Neutron Capture Cross Sections and Transmissions for Tungsten Isotopes

**Keyword abstract:** NUCLEAR REACTIONS  $^{180, 182, 183, 184, 186}\text{W}(n,\gamma)$ ,  $E=5-400$  keV;  $^{180, 182, 183, 184, 186}\text{W}(n,X)$ ,  $E=5-1000$  keV; measured  $\sigma(E)$ , transmission.  $^{181, 183, 185, 187}\text{W}$  deduced p-,d-wave neutron strength functions. Tof. Statistical theory analyses.

**Keynumber:** 1987KN08

**Reference:** Z.Naturforsch. 42a, 909 (1987)

**Authors:** K.Knopf, W.Waschkowski

**Title:** Wechselwirkung von Neutronen mit Wolfram und seinen Isotopen

**Keyword abstract:** NUCLEAR REACTIONS  $^{182, 183, 184, 186}\text{W}(n,n)$ ,  $(n,\gamma)$ ,  $E=\text{thermal}$ ; measured coherent neutron scattering lengths, total  $\sigma$ .

**Keynumber:** 1987BR05

**Reference:** Nucl.Phys. A465, 221 (1987)

**Authors:** A.M.Bruce, D.Hicks, D.D.Warner

**Title:** Average Resonance Capture Studies of  $^{185, 187}\text{W}$ : The Nilsson model and the SU(3) Bose-Fermi symmetry scheme

**Keyword abstract:** NUCLEAR REACTIONS  $^{184, 186}\text{W}(n,\gamma)$   $E=2,24$  keV; measured  $I(\gamma)$ ,  $E(\gamma)$ .  $^{185, 187}\text{W}$  deduced levels,  $J,\pi$ . Enriched target, average resonance capture spectroscopy.

**Keynumber:** 1986VO03

**Reference:** Nucl.Sci.Eng. 93, 43 (1986); Corrigendum Nucl.Sci.Eng. 96 343 (1987)

**Authors:** J.Voignier, S.Joly, G.Grenier

**Title:** Capture Cross Sections and Gamma-Ray Spectra from the Interaction of 0.5- to 3.0-MeV Neutrons with Nuclei in the Mass Range  $A = 63$  to 209

**Keyword abstract:** NUCLEAR REACTIONS  $\text{Cu}$ ,  $^{89}\text{Y}$ ,  $\text{Zr}$ ,  $^{93}\text{Nb}$ ,  $\text{La}$ ,  $\text{Gd}$ ,  $^{159}\text{Tb}$ ,  $^{181}\text{Ta}$ ,  $\text{Re}$ ,  $\text{Pt}$ ,  $\text{Tl}$ ,  $^{209}\text{Bi}$ ,  $^{63, 65}\text{Cu}$ ,  $^{155, 156, 157, 158, 160}\text{Gd}$ ,  $^{182, 183, 184, 186}\text{W}$ ,  $^{203, 205}\text{Tl}(n,\gamma)$ ,  $E=0.5-3$  MeV; measured absolute  $\sigma(E)$ ; deduced capture  $\gamma$ -multiplicity.

**Keynumber:** 1984BRZY

**Reference:** Bull.Am.Phys.Soc. 29, No.4, 719, GH9 (1984)

**Authors:** A.M.Bruce, W.Gelletly, D.Hicks, D.D.Warner, R.F.Casten

**Title:**  $^{185,187}\text{W}$  and  $\text{U}(6/12)$  Boson-Fermion Symmetry

**Keyword abstract:** NUCLEAR REACTIONS  $^{184, 186}\text{W}(n,\gamma), E=2,24$  keV; measured not given.  $^{185, 187}\text{W}$  deduced levels,  $J,\pi$ . Average resonance capture technique, boson-fermion symmetry applicability.

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**Keynumber:** 1983MA20

**Reference:** Nucl.Sci.Eng. 84, 98 (1983)

**Authors:** R.L.Macklin, D.M.Drake, E.D.Arthur

**Title:** Neutron Capture Cross Sections of  $^{182}\text{W}$ ,  $^{183}\text{W}$ ,  $^{184}\text{W}$ , and  $^{186}\text{W}$  from 2.6 to 2000 keV

**Keyword abstract:** NUCLEAR REACTIONS  $^{182, 183, 184, 186}\text{W}(n,\gamma), E=2.6-2000$  keV; measured  $\sigma$  (capture) vs  $E$ .  $^{184}\text{W}$  deduced resonances,  $J,\pi$ ,  $(g\Gamma\gamma\Gamma_n/\Gamma)$ .  $^{183, 185, 187}\text{W}$  deduced resonances,  $J,\pi$ ,  $(g\Gamma\gamma\Gamma_n/\Gamma), <\Gamma\gamma>D, s, p, d$ -wave strength functions, average level spacing.

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**Keynumber:** 1982MAZS

**Reference:** LA-9200-MS (1982)

**Authors:** R.L.Macklin, D.M.Drake, E.D.Arthur

**Title:** Neutron-Capture Cross Sections of the Tungsten Isotopes  $^{182}\text{W}$ ,  $^{183}\text{W}$ ,  $^{184}\text{W}$ , and  $^{186}\text{W}$  from 2.6 to 2000 keV

**Keyword abstract:** NUCLEAR REACTIONS  $^{182, 183, 184, 186}\text{W}(n,\gamma), E=2.6-2000$  keV; measured  $\sigma$  (capture) vs  $E$ .  $^{183, 184, 185, 187}\text{W}$  deduced resonances,  $J,\pi, \Gamma\gamma$ , resonance parameters.

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**Keynumber:** 1981VOZW

**Reference:** CEA-R-5089 (1981)

**Authors:** J.Voignier, S.Joly, G.Grenier

**Title:** Neutron Capture Cross Section Measurements of Rubidium, Yttrium, Niobium, Gadolinium, Tungsten, Platinum and Thallium between 0.5 and 3.0 MeV

**Keyword abstract:** NUCLEAR REACTIONS  $\text{Rb}, \text{Y}, \text{Nb}, \text{Gd}, \text{W}, \text{Pt}, \text{Tl}, ^{155, 156, 157, 158, 160}\text{Gd}, ^{182, 183, 184, 186}\text{W}, ^{203, 205}\text{Tl}(n,\gamma), E=0.5-3$  MeV; measured absolute  $\sigma$ . Integrated spectrum method.

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**Keynumber:** 1981VOZU

**Coden:** REPT NEANDC(E)-210-L, Voignier

**Keyword abstract:** NUCLEAR REACTIONS  $\text{Rb}, \text{Y}, \text{Nb}, \text{Gd}, \text{W}, \text{Pt}, \text{Tl}, ^{155, 156, 157, 158, 160}\text{Gd}, ^{182, 183, 184, 186}\text{W}, ^{203, 205}\text{Tl}(n,\gamma), E=0.5-3$  MeV; measured absolute  $\sigma$ (capture) vs  $E$ . Integrated spectrum method.

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**Keynumber:** 1981GRZY

**Reference:** CEA-N-2195 (1981)

**Authors:** G.Grenier, J.Voignier, S.Joly

**Title:** Capture Cross-Section Measurements for Different Elements at Neutron Energies between 0.5 and 3.0 MeV

**Keyword abstract:** NUCLEAR REACTIONS  $\text{Rb}, ^{89}\text{Y}, ^{93}\text{Nb}, \text{Gd}, \text{W}, \text{Pt}, \text{Tl}, ^{155, 156, 157, 158, 160}\text{Gd}, ^{182, 183, 184, 186}\text{W}, ^{203, 205}\text{Tl}(n,\gamma), E=0.5-3$  MeV; measured  $\sigma(E)$ . NaI scintillator,  $\gamma$ -detection. Statistical model.

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**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  $^{45}\text{Sc}$ ,  $^{59}\text{Co}$ ,  $^{68}$ ,  $^{70}\text{Zn}$ ,  $^{74}$ ,  $^{76}\text{Ge}$ ,  $^{80}$ ,  $^{82}\text{Se}$ ,  $^{84}\text{Kr}$ ,  $^{85}\text{Rb}$ ,  $^{84}\text{Sr}$ ,  $^{89}\text{Y}$ ,  $^{103}\text{Rh}$ ,  $^{108}$ ,  $^{110}\text{Pd}$ ,  $^{109}\text{Ag}$ ,  $^{114}\text{Cd}$ ,  $^{113}$ ,  $^{115}\text{In}$ ,  $^{112}$ ,  $^{120}$ ,  $^{122}$ ,  $^{124}\text{Sn}$ ,  $^{121}\text{Sb}$ ,  $^{120}$ ,  $^{126}$ ,  $^{128}$ ,  $^{130}\text{Te}$ ,  $^{133}\text{Cs}$ ,  $^{132}\text{Ba}$ ,  $^{136}$ ,  $^{138}\text{Ce}$ ,  $^{151}\text{Eu}$ ,  $^{164}\text{Dy}$ ,  $^{181}\text{Ta}$ ,  $^{184}\text{W}$ ,  $^{187}\text{Re}$ ,  $^{190}\text{Os}$ ,  $^{191}\text{Ir}$ ,  $^{196}\text{Pt}$ ,  $^{196}\text{Hg}$

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

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**Keynumber:** 1980BEZC

**Reference:** NEANDC(E)-212U, Vol V, p.5 (1980)

**Authors:** H.Beer, F.Kappeler, K.Wisshak

**Title:** The Neutron Capture Cross Sections of Yb,  $^{170}\text{Yb}$ , Lu,  $^{175}\text{Lu}$  and  $^{184}\text{W}$

**Keyword abstract:** NUCLEAR REACTIONS  $^{170}\text{Yb}$ ,  $^{175}\text{Lu}$ ,  $^{184}\text{W}$ , Yb, Lu  $(n,\gamma)$ ,  $E=5\text{--}200\text{ keV}$ ; measured  $\sigma(E)$ .

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**Keynumber:** 1980BEYV

**Coden:** REPT KfK-3068,P16,Beer

**Keyword abstract:** NUCLEAR REACTIONS  $^{184}\text{W}(n,\gamma)$ ,  $E=5\text{--}200\text{ keV}$ ; measured  $\sigma(E)$ .  $^{185}\text{W}$  deduced resonance parameters, average level spacing, effective nuclear radius.

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**Keynumber:** 1979GRZO

**Reference:** Bull.Am.Phys.Soc. 24, No.7, 871, CC5 (1979)

**Authors:** G.Grenier, J.P.Delaroche, S.Joly, Ch.Lagrange, J.Voignier

**Title:** Neutron Capture Cross Sections of Y, Nb, Gd, W and Au between 0.5 MeV and 3.0 MeV

**Keyword abstract:** NUCLEAR REACTIONS Y, Nb, Gd, W,  $^{155}$ ,  $^{156}$ ,  $^{157}$ ,  $^{158}$ ,  $^{160}\text{Gd}$ ,  $^{182}$ ,  $^{183}$ ,  $^{184}$ ,  $^{186}\text{W}$ , Au  $(n,\gamma)$ ,  $E=0.5\text{--}3.0\text{ MeV}$ ; measured  $\sigma$ . Statistical model calculations.

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**Keynumber:** 1979BEZF

**Reference:** Bull.Am.Phys.Soc. 24, No.7, 871, CC9 (1979)

**Authors:** H.Beer, F.Kappeler, K.Wisshak

**Title:** The Neutron Capture Cross Sections of Natural Yb,  $^{170}\text{Yb}$ ,  $^{175}\text{Lu}$  and  $^{184}\text{W}$  in the Energy Range from 5 to 200 keV for the  $^{176}\text{Lu}$ -Chronometer

**Keyword abstract:** NUCLEAR REACTIONS Yb,  $^{170}\text{Yb}$ ,  $^{175}\text{Lu}$ ,  $^{184}\text{W}(n,\gamma)$ ,  $E=5\text{--}200\text{ keV}$ ; measured  $\sigma$ .

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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:** 1973YOZM

**Coden:** REPT LA-5375-PR P15

**Keyword abstract:** NUCLEAR REACTIONS  $^{182}$ ,  $^{183}$ ,  $^{184}$ ,  $^{186}\text{W}(n,\gamma)$ ; analyzed data.

**Keynumber:** 1973PRYV

**Reference:** ZfK-260 (1973)

**Authors:** H.Prade, W.Andrejscheff, P.Manfrass, M.Mohsen, W.Seidel, M.R.Beitins, L.I.Simonova

**Title:** Investigation of W-185 and W-187 in the (n, $\gamma$ ) Reaction

**Keyword abstract:** NUCLEAR REACTIONS  $^{184}\text{W}(n,\gamma)$ ; measured  $E\gamma, I\gamma$ ;  $^{186}\text{W}(n,\gamma)$ ; measured  $E\gamma, I\gamma, \gamma\gamma$ -coin, ce; deduced Q.  $^{185}, ^{187}\text{W}$  deduced levels.  $^{187}\text{W}$  transitions deduced  $B(\lambda), T_{1/2}$ .

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**Keynumber:** 1973NEZX

**Reference:** Priv.Comm. (October 1973)

**Authors:** D.Netzband, H.Prade

**Keyword abstract:** NUCLEAR REACTIONS  $^{184}, ^{186}\text{W}(n,\gamma)$ ; measured  $E\gamma, I\gamma$ .  $^{185}, ^{187}\text{W}$  deduced transitions.

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**Keynumber:** 1972RA26

**Reference:** Nucl.Sci.Eng. 48, 219 (1972)

**Authors:** F.Rahn, H.S.Camarda, G.Hacken, W.W.Havens,Jr., H.I.Liou, J.Rainwater, M.Slagowitz, S.Wynchank

**Title:** Values of the Neutron Resonance Capture Integral for Some Rare Earth Isotopes

**Keyword abstract:** NUCLEAR REACTIONS  $^{152}, ^{154}\text{Sm}, ^{153}\text{Eu}, ^{154}, ^{158}, ^{160}\text{Gd}, ^{166}, ^{167}, ^{168}, ^{170}\text{Er}, ^{168}, ^{170}, ^{171}, ^{172}, ^{174}, ^{176}\text{Yb}, ^{175}\text{Lu}, ^{182}, ^{183}, ^{184}, ^{186}\text{W}(n,\gamma)$ ; calculated resonance integrals.

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**Keynumber:** 1972PRZH

**Reference:** ZfK-243, p.89 (1972)

**Authors:** H.Prade, M.Mohsen, M.Beitins, P.Manfrass

**Title:** Untersuchung von  $^{185}\text{W}$  in der (n, $\gamma$ )-Reaktion

**Keyword abstract:** NUCLEAR REACTIONS  $^{184}\text{W}(n,\gamma)$ ; measured  $E\gamma, I\gamma$ .  $^{185}\text{W}$  levels deduced J.

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**Keynumber:** 1972MOYY

**Coden:** REPT ZFK-243,P93

**Keyword abstract:** NUCLEAR REACTIONS  $^{164}\text{Dy}, ^{166}, ^{168}, ^{170}\text{Er}, ^{168}, ^{170}\text{Yb}, ^{178}, ^{180}\text{Hf}, ^{182}, ^{184}\text{W}$  (n, $\gamma$ ); compiled n-resonance data, (n, $\gamma$ ) decay modes.

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**Keynumber:** 1971MEZN

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

**Keyword abstract:** NUCLEAR REACTIONS  $^{166}, ^{168}, ^{170}\text{Er}, ^{182}, ^{184}, ^{186}\text{W}, ^{238}\text{U}, ^{232}\text{Th}(n,\gamma)$ , analyzed available data; deduced widths,level spacings.

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**Keynumber:** 1971HAXR

**Coden:** REPT NCSAC-42,P61,G Hacken,5/19/72

**Keyword abstract:** NUCLEAR REACTIONS  $^{152}, ^{154}\text{Sm}, ^{151}, ^{153}\text{Eu}, ^{154}, ^{158}, ^{160}\text{Gd}, ^{166}, ^{167}, ^{168}, ^{170}\text{Er}, ^{168}, ^{170}, ^{171}, ^{172}, ^{174}, ^{176}\text{Yb}, ^{175}\text{Lu}, ^{182}, ^{183}, ^{184}, ^{186}\text{W}(n,\gamma)$ , measured capture resonance integrals.

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**Keynumber:** 1969MUZQ

**Reference:** Proc.Intern.Symp.Neutron Capture Gamma-Ray Spectroscopy, Studsvik, Intern.At.En.Agency, Vienna, p.579 (1969)

**Authors:** J.Murray, B.W.Thomas, E.R.Rae

**Title:** Some Statistical Properties of Partial Radiation Widths in Tungsten

**Keyword abstract:** NUCLEAR REACTIONS  $^{182}, ^{184}, ^{186}\text{W}(n,\gamma), E=\text{resonance}$ ; measured  $E\gamma, I\gamma$ .  $^{183}, ^{185}, ^{187}\text{W}$  deduced resonances, level-width.

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**Keynumber:** 1968BEZX

**Reference:** Proc. Conf. Slow-Neutron-Capture Gamma-Ray Spectr., Argonne, Ill. (1966), F.E. Throw, Ed., ANL-7282, p.459 (1968)

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

**Title:** Resonance (n, $\gamma$ ) Spectra in Tungsten Isotopes

**Keyword abstract:** NUCLEAR REACTIONS  $^{182}, ^{184}, ^{186}\text{W}(n,\gamma), E = \text{resonance}$ ; measured  $E\gamma$ . Ge(Li) detector.