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**26 reference(s) found :**

**Keynumber:** 1999HO33

**Reference:** Pure Appl.Chem. 71, 2309 (1999)

**Authors:** N.E.Holden

**Title:** Temperature Dependence of the Westcott g-Factor for Neutron Reactions in Activation Analysis (Technical Report)

**Keyword abstract:** NUCLEAR REACTIONS  $^{103}\text{Rh}$ ,  $^{113}\text{Cd}$ ,  $^{115}\text{In}$ ,  $^{135}\text{Xe}$ ,  $^{148}\text{Pm}$ ,  $^{149}\text{Sm}$ ,  $^{151}\text{Sm}$ ,  $^{151}\text{Eu}$ ,  $^{152}\text{Eu}$ ,  $^{153}\text{Eu}$ ,  $^{154}\text{Eu}$ ,  $^{155}\text{Eu}$ ,  $^{157}\text{Gd}$ ,  $^{164}\text{Dy}$ ,  $^{175}\text{Lu}$ ,  $^{176}\text{Lu}$ ,  $^{177}\text{Hf}$ ,  $^{182}\text{Ta}$ ,  $^{185}\text{Re}$ ,  $^{187}\text{Re}$ ,  $^{197}\text{Au}$ ,  $^{231}\text{Pa}$ ,  $^{233}\text{Pa}$ ,  $^{235}\text{U}$ ,  $^{238}\text{U}$  (n, $\gamma$ ),E=low; calculated Westcott g-factors vs temperature.

**Keynumber:** 1998HAZS

**Reference:** INDC(CPR)-044/L, p.42 (1998)

**Authors:** Y.Han, B.Yu, Z.Zhang, X.Sun

**Title:** Calculation and Analysis of Neutron Induced Reaction on  $^{185,187}\text{Re}$  and  $^{\text{Nat}}\text{Re}$

**Keyword abstract:** NUCLEAR REACTIONS Re(n,X), (n,n), (n, $\gamma$ ),  $^{185}\text{Re}$ (n,X), (n, $\gamma$ ), (n,2n),  $^{187}\text{Re}$  (n,X), (n,p), (n, $\alpha$ ), (n,2n),E <20 MeV; calculated  $\sigma$ ; deduced optical model parameters. Comparison with data.

**Keynumber:** 1994YA25

**Reference:** Nucl.Sci.Eng. 118, 249 (1994)

**Authors:** N.Yamamuro

**Title:** Activation Cross-Section Calculations on the Production of Long-Lived Radionuclides

**Keyword abstract:** NUCLEAR REACTIONS  $^{59}\text{Co}$ ,  $^{58}\text{Ni}$ ,  $^{62}\text{Ni}$ ,  $^{93}\text{Nb}$ ,  $^{92}\text{Mo}$ ,  $^{98}\text{Mo}$ ,  $^{107}\text{Ag}$ ,  $^{151}\text{Eu}$ ,  $^{185}\text{Re}$  (n, $\gamma$ ),  $^{60}\text{Ni}$ ,  $^{63}\text{Cu}$ ,  $^{94}\text{Mo}$ ,  $^{158}\text{Dy}$ (n,p),  $^{61}\text{Ni}$ ,  $^{92}\text{Mo}$ (n,np),  $^{63}\text{Cu}$ ,  $^{66}\text{Zn}$ (n, $\alpha$ ),  $^{60}\text{Ni}$ ,  $^{64}\text{Ni}$ ,  $^{95}\text{Nb}$ ,  $^{93}\text{Nb}$ ,  $^{94}\text{Mo}$ ,  $^{100}\text{Mo}$ ,  $^{109}\text{Ag}$ ,  $^{151}\text{Eu}$ ,  $^{153}\text{Eu}$ ,  $^{159}\text{Tb}$ ,  $^{187}\text{Re}$ (n,2n),  $^{95}\text{Mo}$ (n,3n),E  $\leq$  20 MeV; calculated activation  $\sigma$ (E).

**Keynumber:** 1991KA10

**Reference:** Astrophys.J. 366, 605 (1991)

**Authors:** F.Kappeler, S.Jaag, Z.Y.Bao, G.Reffo

**Title:** The s-Process Branchings at  $^{185}\text{W}$  and  $^{186}\text{Re}$

**Keyword abstract:** NUCLEAR REACTIONS  $^{185}\text{W}$ ,  $^{187}\text{Re}$ (n, $\gamma$ ),E=25 keV; measured capture  $\sigma$ ; deduced  $^{185}\text{W}$ ,  $^{186}\text{Re}$  s-process branchings.

**Keynumber:** 1987MA47

**Reference:** Nucl.Sci.Eng. 97, 239 (1987)

**Authors:** R.L.Macklin, P.G.Young

**Title:** Neutron Capture Cross Sections of Rhenium from 3 to 1900 keV

**Keyword abstract:** NUCLEAR REACTIONS  $^{185}\text{Re}$ ,  $^{187}\text{Re}$ (n, $\gamma$ ),E=3-1900 keV; measured average capture  $\sigma$ (E); deduced model parameters. Tof. Nuclear model calculations.

**Keynumber:** 1983BE27

**Reference:** Yad.Fiz. 37, 1357 (1983)

**Authors:** F.Becvar, Ya.Gonzatko, M.Kralik, Nguen Dang Nhuan, T.Stadnikov, S.A.Telezhnikov

**Title:** Study of the  $^{185}\text{Re}$ (n, $\gamma$ ) $^{186}\text{Re}$  Reaction at Isolated Resonances

**Keyword abstract:** NUCLEAR REACTIONS  $^{185}\text{Re}$ (n, $\gamma$ ),E=resonance; measured  $E\gamma$ , $I\gamma$ .  $^{186}\text{Re}$  levels

deduced  $J, \pi$ , configuration, neutron reduced width,  $\Gamma\gamma$  correlation. Quasiparticle model.

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**Keynumber:** 1981BE34

**Reference:** Yad.Fiz. 33, 3 (1981)

**Authors:** F.Becvar, J.Honzatko, M.Kralik, Nguyen Dang Nhuan, T.Stadnikov, S.A.Telezhnikov

**Title:** Experimental Test of Quasiparticle-Phonon Model by the Neutron Radiative Capture in the Deformed Nuclei

**Keyword abstract:** NUCLEAR REACTIONS  $^{154}\text{Gd}$ ,  $^{171}$ ,  $^{173}\text{Yb}$ ,  $^{167}\text{Er}$ ,  $^{185}\text{Re}(n, \gamma)$ ,  $E$ =resonance; measured  $\sigma(E\gamma)$ .  $^{168}\text{Er}$ ,  $^{155}\text{Gd}$ ,  $^{172}$ ,  $^{174}\text{Yb}$ ,  $^{186}\text{Re}$  resonances deduced  $\Gamma\gamma, \Gamma n$  correlation. Quasiparticle phonon model.

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**Keynumber:** 1980BEYB

**Reference:** Proc.Conf.Neutron Physics, Kiev, Part 2, p.224 (1980)

**Authors:** F.Bechvarzh, Ya.Gonzatko, M.Kralik, Nguyen Dang Nyuan, T.Stadnikov, S.A.Telezhnikov

**Title:** Study of Nuclei  $^{186}\text{Re}$  Levels using Reaction  $^{185}\text{Re}(n, \gamma)^{186}\text{Re}$  for Isolated Resonances

**Keyword abstract:** NUCLEAR REACTIONS  $^{185}\text{Re}(n, \gamma)$ ,  $E$ =resonance; measured  $E\gamma, I\gamma$ .  $^{186}\text{Re}$  deduced levels,  $J, \pi$ .

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

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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  $^{45}\text{Sc}$ ,  $^{55}\text{Mn}$ ,  $^{63}$ ,  $^{65}\text{Cu}$ ,  $^{69}$ ,  $^{71}\text{Ga}$ ,  $^{75}\text{As}$ ,  $^{79}$ ,  $^{81}\text{Br}$ ,  $^{80}\text{Se}$ ,  $^{85}$ ,  $^{87}\text{Rb}$ ,  $^{89}\text{Y}$ ,  $^{93}\text{Nb}$ ,  $^{96}\text{Zr}$ ,  $^{98}$ ,  $^{100}\text{Mo}$ ,  $^{107}$ ,  $^{109}\text{Ag}$ ,  $^{108}\text{Pd}$ ,  $^{114}\text{Cd}$ ,  $^{115}\text{In}$ ,  $^{127}\text{I}$ ,  $^{133}\text{Cs}$ ,  $^{138}\text{Ba}$ ,  $^{139}\text{La}$ ,  $^{140}$ ,  $^{142}\text{Ce}$ ,  $^{141}\text{Pr}$ ,  $^{152}$ ,  $^{154}\text{Sm}$ ,  $^{158}$ ,  $^{160}\text{Gd}$ ,  $^{164}\text{Dy}$ ,  $^{165}\text{Ho}$ ,  $^{170}\text{Er}$ ,  $^{175}\text{Lu}$ ,  $^{180}\text{Hf}$ ,  $^{181}\text{Ta}$ ,  $^{184}$ ,  $^{186}\text{W}$ ,  $^{185}$ ,  $^{187}\text{Re}$ ,  $^{197}\text{Au}$ ,  $^{202}\text{Hg}$ ,  $^{208}\text{Pb}$ ,  $^{209}\text{Bi}$ ,  $^{232}\text{Th}(n, \gamma)$ ,  $E=24$  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:** 1977ANZG

**Reference:** JINR-P6-10577 (1977)

**Authors:** W.Andrejscheff, V.Zaidel, V.G.Kalinnikov, L.Koibler, F.R.Mai, N.Z.Marupov, T.M.Muminov, K.D.Shiling

**Title:** Lifetimes of Excited States in Some Doubly Odd Deformed Nuclei

**Keyword abstract:** NUCLEAR REACTIONS  $^{165}\text{Ho}$ ,  $^{185}$ ,  $^{187}\text{Re}(n, \gamma)$ ,  $E$  not given;  $^{160}\text{Gd}$ ,  $^{164}\text{Dy}$  ( $p, n\gamma$ ),  $E$  not given; measured  $\gamma\gamma(t)$ .  $^{160}\text{Ho}$ ,  $^{164}\text{Ho}$ ,  $^{166}\text{Ho}$ ,  $^{186}$ ,  $^{188}\text{Re}$  deduced levels,  $T_{1/2}$ .

**Keyword abstract:** RADIOACTIVITY  $^{156}$ ,  $^{158}\text{Er}$ ,  $^{162m}\text{Ho}$ ,  $^{162}\text{Yb}$ ; measured  $\gamma\gamma(t)$ .  $^{156}$ ,  $^{158}$ ,  $^{162}\text{Ho}$ ,  $^{162}\text{Tm}$  deduced levels,  $T_{1/2}$ .

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**Keynumber:** 1976NA13

**Reference:** Nucl.Phys. A266, 83 (1976)

**Authors:** A.I.Namenson, A.Stolovy, J.A.Harvey

**Title:** Neutron Resonances in  $^{185}\text{Re}$  and  $^{187}\text{Re}$

**Keyword abstract:** NUCLEAR REACTIONS  $^{185}, ^{187}\text{Re}(n,\gamma), E=24-2000$  eV; measured  $\sigma(E, E\gamma)$ .  $^{186}, ^{188}\text{Re}$  deduced resonances,  $2g\Gamma_n$ . Enriched targets.

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**Keynumber:** 1974CO23

**Reference:** Nucl.Instrum.Methods 116, 251 (1974)

**Authors:** A.H.Colenbrander, T.J.Kennett

**Title:** The Application of a Statistical Description for Complex Spectra to the  $(n,\gamma)$  Reaction

**Keyword abstract:** NUCLEAR REACTIONS  $^{27}\text{Al}, ^{45}\text{Sc}, ^{55}\text{Mn}, ^{59}\text{Co}, ^{63}\text{Cu}, ^{75}\text{As}, ^{103}\text{Rh}, ^{109}\text{Ag}, ^{115}\text{In}, ^{133}\text{Cs}, ^{185}\text{Re}, ^{197}\text{Au}, ^{203}\text{Tl}(n,\gamma)$ ; measured  $E\gamma, I\gamma$ .  $^{28}\text{Al}, ^{46}\text{Sc}, ^{56}\text{Mn}, ^{60}\text{Co}, ^{64}\text{Cu}, ^{76}\text{As}, ^{104}\text{Rh}, ^{110}\text{Ag}, ^{116}\text{In}, ^{134}\text{Cs}, ^{186}\text{Re}, ^{198}\text{Au}, ^{204}\text{Tl}$  deduced nuclear temperature, level densities.

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**Keynumber:** 1973STZV

**Coden:** JOUR BAPSA 18 592 DE11

**Keyword abstract:** NUCLEAR REACTIONS  $^{185}, ^{187}\text{Re}(n,\gamma)$ ;  $^{186}, ^{188}\text{Re}$  deduced resonances.

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**Keynumber:** 1973LOZU

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

**Authors:** M.A.Lone, E.D.Earle, G.A.Bartholomew

**Keyword abstract:** NUCLEAR REACTIONS  $^{185}\text{Re}(n,\gamma), E_n=30$  eV; measured  $E\gamma$ .  $^{186}\text{Re}$  deduced transitions.

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**Keynumber:** 1973LOZM

**Coden:** REPT AECL-4595 P43

**Keyword abstract:** NUCLEAR REACTIONS  $^{185}, ^{187}\text{Re}(n,\gamma)$ ; measured  $\sigma(E\gamma)$ .  $^{186}, ^{188}\text{Re}$  deduced levels.

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**Keynumber:** 1973HAXH

**Reference:** ORNL-4844, p.87 (1973)

**Authors:** J.A.Harvey, N.W.Hill, A.Stolovy, A.I.Namenson

**Title:** Search for Intermediate-State Structure from Resonance Neutron Capture in  $^{185}\text{Re}$  and  $^{187}\text{Re}$

**Keyword abstract:** NUCLEAR REACTIONS  $^{185}, ^{187}\text{Re}(n,\gamma), E_n=20-3000$  eV; measured  $\sigma(E; E\gamma)$ .

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**Keynumber:** 1973GL06

**Reference:** Z.Phys. 265, 335 (1973)

**Authors:** J.Glatz

**Title:** Untersuchung der Anregungen von  $^{186}\text{Re}$  nach der  $(n,\gamma)$ -Reaktion

**Keyword abstract:** NUCLEAR REACTIONS  $^{185}\text{Re}(n,\gamma), E=\text{slow}$ ; measured  $E\gamma, \gamma\gamma\text{-coin}, \gamma\gamma(t)$ .  $^{186}\text{Re}$  deduced levels,  $J, \pi, \gamma$ -multipolarities,  $T_{1/2}$ .

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**Keynumber:** 1972BEVK

**Coden:** CONF Kiev(Neutron Physics), CONF-710565-P1, P144

**Keyword abstract:** NUCLEAR REACTIONS  $\text{Re}, ^{185}, ^{187}\text{Re}(n,\gamma)$ ; measured  $\sigma$ .

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**Keynumber:** 1971ST23

**Reference:** Phys.Rev. C4, 1466 (1971)

**Authors:** A.Stolovy, A.I.Namenson, T.F.Godlove

**Title:** Evidence for Intermediate-State Structure from Resonance Neutron Capture in  $\text{Re}^{185}$  and  $\text{Re}^{187}$

**Keyword abstract:** NUCLEAR REACTIONS  $^{185}, ^{187}\text{Re}(n,\gamma), E < 400 \text{ eV}$ ; measured  $E\gamma, I\gamma$ .  $^{188}\text{Re}$  deduced intermediate state structure.

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**Keynumber:** 1971NAZW

**Reference:** Proc.3rd Intern.Conf.Neutron Cross Sections and Technology, Knoxville, Vol.1, p.259 (1971)

**Authors:** R.J.Nagle, J.H.Landrum, M.Lindner

**Title:** Neutron Capture Cross Sections in the MeV Range

**Keyword abstract:** NUCLEAR REACTIONS  $^{114}\text{Cd}, ^{181}\text{Ta}, ^{186}\text{W}, ^{185}, ^{187}\text{Re}, ^{191}, ^{193}\text{Ir}, ^{197}\text{Au}, ^{232}\text{Th}, ^{237}\text{Np}, ^{238}\text{U}(n,\gamma), E=0.1-3 \text{ MeV}$ ; measured  $\sigma(E)$ .

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**Keynumber:** 1971LOZU

**Coden:** JOUR PHCAA 27 25,M A Lone,10/25/71

**Keyword abstract:** NUCLEAR REACTIONS  $^{185}, ^{187}\text{Re}(n,\gamma), E=\text{resonance}$ ; measured  $E\gamma, I\gamma$ .  $^{186}, ^{188}\text{Re}$  deduced levels.

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**Keynumber:** 1970FEZS

**Reference:** BMBW-FBK-70-10, p.23 (1970)

**Authors:** M.Fenzl, K.E.G.Lobner

**Title:** Messung von Verzögerten Koinzidenzen in  $^{160}\text{Tb}$  und  $^{186}\text{Re}$

**Keyword abstract:** NUCLEAR REACTIONS  $^{159}\text{Tb}, ^{185}\text{Re}(n,\gamma)$ ; measured  $\gamma\gamma(t)$ .  $^{160}\text{Tb}, ^{186}\text{Re}$  levels deduced  $T_{1/2}$ .

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**Keynumber:** 1969HOZY

**Reference:** Thesis, Technische Hogeschool, Delft (1969)

**Authors:** W.Hoekstra

**Title:** Gamma Rays from  $^{28}\text{Al}, ^{186}, ^{188}\text{Re}, ^{233}\text{Th}$  and  $^{233}\text{Pa}$ , Following Neutron Capture

**Keyword abstract:** RADIOACTIVITY  $^{237}\text{Np}$ ; measured  $E\alpha, E\gamma, I\gamma, I(\text{ce}), \alpha\gamma, \alpha\text{ce-coin}$ .  $^{233}\text{Pa}$  deduced levels.

**Keyword abstract:** NUCLEAR REACTIONS  $^{35}\text{Cl}, ^{27}\text{Al}, ^{185}, ^{187}\text{Re}, ^{232}\text{Th}(n,\gamma), E = \text{thermal}$ ; measured  $E\gamma, I\gamma$ ;  $^{185}, ^{187}\text{Re}(n,\gamma)$  deduced  $Q$ .  $^{36}\text{Cl}, ^{28}\text{Al}, ^{186}, ^{188}\text{Re}, ^{233}\text{Th}$ , deduced levels.  $^{233}\text{Th}$  [from  $^{232}\text{Th}(n,\gamma)$ ]; measured  $T_{1/2}, E\gamma, I\gamma, \gamma\gamma\text{-coin}$ .  $^{233}\text{Pa}$  deduced levels. Ge(Li) detector.

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**Keynumber:** 1968FR16

**Reference:** J.Nucl.Energy 22, 191 (1968)

**Authors:** S.J.Friesenhahn, D.A.Gibbs, E.Haddad, F.H.Frohner, W.M.Lopez

**Title:** Neutron Capture Cross Sections and Resonance Parameters of Rhenium from 0.01 eV to 30 keV

**Keyword abstract:** NUCLEAR REACTIONS  $^{185}, ^{187}\text{Re}(n,\gamma), E=0.01 \text{ eV}-0.030 \text{ MeV}$ ; measured capture  $\sigma(E)$ .  $^{186}, ^{188}\text{Re}$  deduced resonances,  $\Gamma\gamma, (2g\Gamma n)$ .

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**Keynumber:** 1965ST21

**Reference:** J.Nucl.Energy, Pt.A/B 19, 767 (1965)

**Authors:** D.C.Stupegia, M.Schmidt, A.A.Madson

**Title:** Fast Neutron Capture in Rhenium

**Keyword abstract:** NUCLEAR REACTIONS  $^{185}, ^{187}\text{Re}(n,\gamma), E=.004-2.6 \text{ MeV}$ ; measured  $\sigma$  (E), production  $\sigma$  for  $^{188}\text{Re}$ .

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