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## 22 reference(s) found :

**Keynumber:** 2001GA57

**Reference:** Bull.Rus.Acad.Sci.Phys. 65, 121 (2001)

**Authors:** Yu.P.Gangrsky, P.Zuzaan, N.N.Kolesnikov, V.G.Lukashek, A.P.Tonchev

**Title:** Isomeric Ratios in Crossing ( $n\gamma$ ) and ( $\gamma n$ ) Reactions

**Keyword abstract:** NUCLEAR REACTIONS  $^{74}\text{Ge}$ ,  $^{80}\text{Se}$ ,  $^{84}\text{Sr}$ ,  $^{108}\text{Pd}$ ,  $^{114}\text{Cd}$ ,  $^{112}$ ,  $^{122}\text{Sn}$ ,  $^{120}$ ,  $^{126}$ ,  $^{128}\text{Te}$ ,  $^{130}$ ,  $^{132}\text{Ba}$ ,  $^{136}$ ,  $^{138}\text{Ce}$ ,  $^{196}\text{Pt}$ ,  $^{196}\text{Hg}(n,\gamma)$ ,  $E=\text{thermal}$ ;  $^{76}\text{Ge}$ ,  $^{82}\text{Se}$ ,  $^{86}\text{Sr}$ ,  $^{110}\text{Pd}$ ,  $^{116}\text{Cd}$ ,  $^{114}$ ,  $^{124}\text{Sn}$ ,  $^{122}$ ,  $^{128}$ ,  $^{130}\text{Te}$ ,  $^{132}$ ,  $^{134}\text{Ba}$ ,  $^{138}$ ,  $^{140}\text{Ce}$ ,  $^{198}\text{Pt}$ ,  $^{198}\text{Hg}(\gamma,n)$ ,  $E=25$  MeV bremsstrahlung; measured isomeric cross section ratios. Comparison with statistical model calculations.

**Keynumber:** 1999NAZZ

**Reference:** INDC(JPN)-182/U (JAERI-Conf 99-002),p.176 (1999)

**Authors:** S.Nakamura, K.Furutaka, H.Harada, T.Katoh

**Title:** Measurements of Thermal Neutron Capture Cross Sections for Some FP Nuclides

**Keyword abstract:** NUCLEAR REACTIONS  $^{80}\text{Se}$ ,  $^{94}\text{Zr}$ ,  $^{124}\text{Sn}$ ,  $^{127}\text{I}$ ,  $^{133}\text{Cs}(n,\gamma)$ ,  $E=\text{thermal}$ ; measured capture  $\sigma$ , resonance integrals.

**Keynumber:** 1998GR02

**Reference:** Yad.Fiz. 61, No 1, 29 (1998); Phys.Atomic Nuclei 61, 24 (1998)

**Authors:** O.T.Grudzevich

**Title:** Isomeric Ratios for Radiative Neutron Capture

**Keyword abstract:** NUCLEAR REACTIONS  $^{59}\text{Co}$ ,  $^{80}\text{Se}$ ,  $^{89}\text{Y}$ ,  $^{79}\text{Br}$ ,  $^{85}\text{Rb}$ ,  $^{103}\text{Rh}$ ,  $^{151}\text{Eu}$ ,  $^{115}\text{In}$ ,  $^{187}\text{Re}$  ( $n,\gamma$ ),  $E=0-14$  MeV; analyzed isomer production ratios. Cascade-evaporation model analysis.

**Keynumber:** 1981HE03

**Reference:** Nucl.Phys. A357, 1 (1981)

**Authors:** M.Herman, A.Marcinkowski

**Title:** Cross Sections for Fast Neutron Capture on the Se,Pd,Cd,Os and Pt Isotopes

**Keyword abstract:** NUCLEAR REACTIONS  $^{78}$ ,  $^{80}$ ,  $^{82}\text{Se}$ ,  $^{108}$ ,  $^{110}\text{Pd}$ ,  $^{114}$ ,  $^{116}\text{Cd}$ ,  $^{190}$ ,  $^{192}\text{Os}$ ,  $^{196}$ ,  $^{198}\text{Pt}$  ( $n,\gamma$ ),  $E=0.5-1.3$  MeV; measured  $\sigma(E)$ . Activation technique. Compound nucleus model.

**Keynumber:** 1981EN07

**Reference:** Nucl.Phys. A372, 125 (1981)

**Authors:** G.Engler, R.E.Chrien, H.I.Liou

**Title:** Thermal and Resonance Neutron Capture Studies in Se Targets with  $A = 74,76,77,78,80$

**Keyword abstract:** NUCLEAR REACTIONS  $^{74}$ ,  $^{76}$ ,  $^{77}$ ,  $^{78}$ ,  $^{80}\text{Se}(n,\gamma)$ ,  $E=\text{thermal}$ , resonance; measured  $E\gamma$ ,  $I\gamma$ .  $^{75}$ ,  $^{77}$ ,  $^{78}$ ,  $^{81}\text{Se}$  deduced neutron separation energies,  $Q$ .  $^{75}$ ,  $^{77}$ ,  $^{78}$ ,  $^{79}$ ,  $^{81}\text{Se}$  deduced levels,  $J,\pi$ .

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

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**Keynumber:** 1979HEZK

**Reference:** Bull.Am.Phys.Soc. 24, No.7, 870, CC1 (1979)

**Authors:** M.Herman, A.Marcinkowski

**Title:** Cross Sections for Fast Neutron Capture on Se,Cd, and Os Isotopes

**Keyword abstract:** NUCLEAR REACTIONS  $^{78}, ^{80}, ^{82}\text{Se}, ^{114}, ^{116}\text{Cd}, ^{190}, ^{192}\text{Os}$

(n, $\gamma$ ),E=0.53,0.86,1.20,1.31 MeV; measured  $\sigma$ . Activation technique. Statistical model estimates.

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**Keynumber:** 1979BRZE

**Reference:** Thesis, McMaster Univ. (1979)

**Authors:** P.M.Brewster

**Title:** Thermal Neutron Capture Studies in Five Isotopes of Selenium

**Keyword abstract:** NUCLEAR REACTIONS  $^{76}, ^{77}, ^{78}, ^{80}, ^{82}\text{Se}(n,\gamma)$ ,E=thermal; measured  $E\gamma, I\gamma$ .  $^{77}, ^{78}, ^{79}, ^{81}, ^{83}\text{Se}$  deduced levels, $\gamma$ -branching.

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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:** 1974GIZN

**Reference:** Thesis, Carleton Univ. (1972); Diss.Abst.Int. 34B, 5613 (1974)

**Authors:** D.R.Gill

**Title:** Isomeric Ratios in  $^{69}\text{Zn}, ^{80}\text{Br}, ^{81}\text{Se}$  and  $^{165}\text{Dy}$

**Keyword abstract:** NUCLEAR REACTIONS  $^{68}\text{Zn}, ^{79}\text{Br}, ^{80}\text{Se}, ^{164}\text{Dy}(n,\gamma)$ ; measured isomeric state ratios.

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**Keynumber:** 1973MU23

**Reference:** Yad.Fiz. 18, 479 (1973); Sov.J.Nucl.Phys. 18, 246 (1974)

**Authors:** A.V.Murzin, V.M.Kolomiets

**Title:** Nature of Excited States of  $\text{Zn}^{69}, \text{Ge}^{71}, \text{Se}^{77}, ^{79}, ^{81}$  Nuclei Produced in Capture of Thermal Neutrons

**Keyword abstract:** NUCLEAR REACTIONS  $^{68}\text{Zn}, ^{70}\text{Ge}, ^{76}, ^{78}, ^{80}\text{Se}(n,\gamma)$ ,E=thermal; measured nothing,analyzed data.  $^{69}\text{Zn}, ^{71}\text{Ge}, ^{77}, ^{79}, ^{81}\text{Se}$  deduced levels.

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**Keynumber:** 1973MU22

**Reference:** Yad.Fiz. 18, 24 (1973); Sov.J.Nucl.Phys. 18, 12 (1974)

**Authors:** A.V.Murzin

**Title:** Peculiarities in Thermal Neutron Capture by Even-Even Nuclei in the Region  $A = 60-80$

**Keyword abstract:** NUCLEAR REACTIONS  $^{68}\text{Zn}, ^{70}, ^{72}\text{Ge}, ^{80}\text{Se}(n,\gamma)$ ; measured nothing,calculated correlation of n-width, $\gamma$ -width.

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

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**Keynumber:** 1973CL08

**Reference:** Nucl.Phys. A213, 349 (1973)

**Authors:** R.L.Clarke, D.R.Gill

**Title:** A New  $\gamma$ -Ray Cascade Model for Isomeric Ratio Calculations

**Keyword abstract:** NUCLEAR REACTIONS  $^{68}\text{Zn}$ ,  $^{79}\text{Br}$ ,  $^{80}\text{Se}$ ,  $^{164}\text{Dy}(n,\gamma)$ ,  $E=0.1-2.5$  MeV; measured isomeric ratios(E). calculated isomeric ratios from  $\gamma$  cascade model.

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**Keynumber:** 1973BAZS

**Coden:** REPT INDC(SEC)-35/L P154

**Keyword abstract:** NUCLEAR REACTIONS  $^{79}\text{Br}$ ,  $^{80}\text{Se}$ ,  $^{103}\text{Rh}$ ,  $^{115}\text{In}$ ,  $^{133}\text{Cs}(n,\gamma)$ ; measured  $\sigma$ .  $^{80\text{m}}$ ,  $^{80}\text{Br}$ ,  $^{81\text{m}}$ ,  $^{81}\text{Se}$ ,  $^{104\text{m}}$ ,  $^{104}\text{Rh}$ ,  $^{116\text{m}}$ ,  $^{116}\text{In}$ ,  $^{134\text{m}}$ ,  $^{134}\text{Cs}$  deduced isomeric ratios.

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**Keynumber:** 1972RAZC

**Coden:** REPT BMBW-FBK 72-07,P11,10/27/72,CRL

**Keyword abstract:** NUCLEAR REACTIONS  $^{76}$ ,  $^{80}\text{Se}(n,\gamma)$ ,  $E=\text{thermal}$ ; measured  $E\gamma$ ,  $I\gamma$ ,  $\gamma\gamma$ -coin.  $^{77}$ ,  $^{81}\text{Se}$  deduced levels,  $J$ ,  $\pi$ ,  $\gamma$ -branching.

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**Keynumber:** 1972LA15

**Reference:** Phys.Rev. C6, 572 (1972)

**Authors:** A.Lakshmana Rao, J.Rama Rao

**Title:** Isomer Ratios in  $(n,\gamma)$  Reactions at 25 keV

**Keyword abstract:** NUCLEAR REACTIONS  $^{74}\text{Ge}$ ,  $^{79}\text{Br}$ ,  $^{80}\text{Se}$ ,  $^{85}\text{Rb}$ ,  $^{103}\text{Rh}$ ,  $^{121}\text{Sb}$ ,  $^{151}\text{Eu}$ ,  $^{164}\text{Dy}(n,\gamma)$ ,  $E=25$  keV; measured  $\sigma$ , isomeric ratio.

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**Keynumber:** 1971RA07

**Reference:** Z.Naturforsch. 26a, 458 (1971)

**Authors:** D.Rabenstein, H.Vonach

**Title:** Untersuchung des Neutroneneinfang-Mechanismus in der Reaktion  $^{80}\text{Se}(n,\gamma)^{81}\text{Se}$  und der Kernstruktur von  $^{77}\text{Se}$ ,  $^{78}\text{Se}$  und  $^{81}\text{Se}$  mit Hilfe von  $(n,\gamma)$ -Reaktionen

**Keyword abstract:** NUCLEAR REACTIONS  $\text{Se}$ ,  $^{76}$ ,  $^{80}\text{Se}(n,\gamma)$ ,  $E=\text{thermal}$ ; measured  $E\gamma$ ,  $I\gamma$ ,  $\gamma\gamma$ -coin; deduced  $Q$ ,  $^{77}$ ,  $^{78}$ ,  $^{81}\text{Se}$  deduced levels,  $J$ ,  $\pi$ ,  $\gamma$ -branching.

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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.

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**Keynumber:** 1970BA54

**Reference:** Izv.Akad.Nauk SSSR, Ser.Fiz. 34, 1775 (1970); Bull.Acad.Sci.USSR, Phys.Ser. 34, 1579 (1971)

**Authors:** I.F.Barchuk, D.A.Bazavov, G.V.Belykh, V.I.Golyshkin, A.V.Murzin, A.F.Ogorodnik

**Title:** Spectra of  $\gamma$ -Rays from Thermal Neutron Capture by  $^{78}\text{Se}$  and  $^{80}\text{Se}$

**Keyword abstract:** NUCLEAR REACTIONS  $^{78}, ^{80}\text{Se}(n,\gamma), E=\text{th}$ ; measured  $E\gamma, I\gamma$ .  $^{79}, ^{81}\text{Se}$  deduced transitions. Natural, enriched targets.

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**Keynumber:** 1969MA15

**Reference:** Yadern.Fiz. 9, 1119 (1969); Soviet J.Nucl.Phys. 9, 655 (1969)

**Authors:** H.Malecki, L.B.Pikelner, I.M.Salamatin, E.I.Sharapov

**Title:** Radiative Capture and Total Cross Sections of Neutron Interaction with Se Isotopes

**Keyword abstract:** NUCLEAR REACTIONS  $^{74}, ^{76}, ^{77}, ^{78}, ^{80}, ^{82}\text{Se}(n,X), (n,\gamma), E < 20 \text{ keV}$ ; measured  $\sigma(E)$ , transmission.  $^{75}, ^{77}, ^{78}, ^{79}, ^{81}, ^{83}\text{Se}$  deduced resonances, J, level-width, strength functions.

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**Keynumber:** 1969IV03

**Reference:** Yadern.Fiz. 9, 258 (1969); Soviet J.Nucl.Phys. 9, 152 (1969)

**Authors:** V.V.Ivanenko, K.A.Petrzhak

**Title:** The Cross Sections and Mechanism of (n,p) Reactions for Se Isotopes at a Neutron Energy of 14.7 MeV

**Keyword abstract:** NUCLEAR REACTIONS  $^{74}, ^{78}\text{Se}(n,p), ^{78}\text{Se}(n,\alpha), ^{74}, ^{82}\text{Se}(n,2n), ^{80}\text{Se}(n,\gamma), E=14.7 \text{ MeV}$ ; measured  $\sigma, \sigma(\theta(p))$ .