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**27 reference(s) found :**

**Keynumber:** 2001ZHZW

**Reference:** INDC(CPR)-053/L, p.49 (2001)

**Authors:** Z.Zhang, Z.Ge, Y.Han, Q.Shen, X.Sun

**Title:**  $n + {}^{99-105}\text{Ru}$   $E_n \leq 20$  MeV Nuclear Data Calculations

**Keyword abstract:** NUCLEAR REACTIONS  ${}^{99}, {}^{100}, {}^{101}, {}^{102}, {}^{103}, {}^{104}, {}^{105}\text{Ru}(n,X)$ ,  $(n,\gamma)$ ,  $E < 20$  MeV;  ${}^{104}\text{Ru}(n,p)$ ,  $E < 20$  MeV; calculated  $\sigma$ . Comparisons with data.

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**Keynumber:** 1982BA69

**Reference:** Izv.Akad.Nauk SSSR, Ser.Fiz. 46, 2077 (1982)

**Authors:** I.F.Barchuk, V.I.Golyshkin, E.N.Gorban

**Title:** Investigation of the  $\gamma$ -Spectra of Odd Ru Isotopes

**Keyword abstract:** NUCLEAR REACTIONS  ${}^{100}, {}^{102}, {}^{104}\text{Ru}(n,\gamma)$ ,  $E=\text{thermal}$ ; measured  $E\gamma, I\gamma$ .  ${}^{101}, {}^{103}, {}^{105}\text{Ru}$  deduced levels.

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**Keynumber:** 1981BAZH

**Reference:** Program and Theses, Proc.31st Ann.Conf.Nucl.Spectrosc.Struct.At.Nuclei, Samarkand, p.73 (1981)

**Authors:** I.F.Barchuk, V.I.Golyshkin, E.N.Gorban

**Title:** Study of the Gamma-Spectra of Odd Isotopes of Ruthenium Produced in the  $(n,\gamma)$  Reactions by Thermal Neutrons

**Keyword abstract:** NUCLEAR REACTIONS  ${}^{100}, {}^{102}, {}^{104}\text{Ru}(n,\gamma)$ ,  $E=\text{thermal}$ ; measured  $E\gamma, I\gamma$ .  ${}^{101}, {}^{103}, {}^{105}\text{Ru}$  deduced transitions.

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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:** 1980MA08

**Reference:** Nucl.Sci.Eng. 73, 174 (1980)

**Authors:** R.L.Macklin, J.Halperin

**Title:**  ${}^{100}, {}^{101}, {}^{102}, {}^{104}\text{Ru}(n,\gamma)$  and  ${}^{103}\text{Rh}(n,\gamma)$  Cross Sections Above 2.6 keV

**Keyword abstract:** NUCLEAR REACTIONS  ${}^{100}, {}^{101}, {}^{102}, {}^{104}\text{Ru}$ ,  ${}^{103}\text{Rh}(n,\gamma)$ ,  $E=2-700$  keV; measured  $\sigma$ .  ${}^{101}, {}^{102}, {}^{103}, {}^{105}\text{Ru}$ ,  ${}^{104}\text{Rh}$  deduced resonances, strength functions,  $\Gamma\gamma$ . Breit-Wigner analysis.

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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:** 1978GU14

**Reference:** Z.Phys. A287, 271 (1978)

**Authors:** H.H.Guven, B.Kardon, H.Seyfarth

**Title:** Gamma Spectroscopic Study of  $^{105}\text{Ru}$

**Keyword abstract:** NUCLEAR REACTIONS  $^{104}\text{Ru}(n,\gamma)$ ,  $E=\text{epithermal, fast}$ ; measured  $E\gamma, I\gamma, \gamma\gamma(\theta)$ .  $^{105}\text{Ru}$  deduced levels,  $K, J, \pi, \delta$ .

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**Keynumber:** 1977II01

**Reference:** J.Nucl.Sci.Technol. 14, 161 (1977)

**Authors:** S.Iijima, T.Nakagawa, Y.Kikuchi, M.Kawai, H.Matsunobu, K.Maki, S.Igarasi

**Title:** Evaluation of Neutron Cross Section of 27 Fission Product Nuclides Important for Fast Reactor

**Keyword abstract:** NUCLEAR REACTIONS  $^{93}\text{Zr}$ ,  $^{95}$ ,  $^{97}\text{Mo}$ ,  $^{99}\text{Tc}$ ,  $^{101}$ ,  $^{102}$ ,  $^{104}$ ,  $^{106}\text{Ru}$ ,  $^{103}\text{Rh}$ ,  $^{105}$ ,  $^{107}\text{Pd}$ ,  $^{109}\text{Ag}$ ,  $^{129}\text{I}$ ,  $^{131}\text{Xe}$ ,  $^{133}$ ,  $^{135}$ ,  $^{137}\text{Cs}$ ,  $^{143}$ ,  $^{144}$ ,  $^{145}\text{Nd}$ ,  $^{144}\text{Ce}$ ,  $^{147}\text{Pm}$ ,  $^{147}$ ,  $^{149}$ ,  $^{151}\text{Sm}$ ,  $^{153}$ ,  $^{155}\text{Eu}$  (n,n), (n, $\gamma$ ), (n,n'), (n,X),  $E=\text{th-15 MeV}$ ; calculated  $\sigma$ .

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**Keynumber:** 1976SEZK

**Reference:** Proc.Int.Conf.Interact.Neutrons with Nuclei, Lowell, Vol.2, p.1282 (1976)

**Authors:** H.Seyfarth, B.Kardon, H.H.Guven

**Title:** Systematics in the Gamma-Deexcitation and Level Scheme of the Neutron -Rich Odd-A Mo and Ru Isotopes

**Keyword abstract:** NUCLEAR REACTIONS  $^{98}$ ,  $^{100}\text{Mo}$ ,  $^{102}$ ,  $^{104}\text{Ru}(n,\gamma)$ ,  $E=\text{th}$ ; measured  $E\gamma, I\gamma, \gamma\gamma(\theta)$ .  $^{99}$ ,  $^{101}\text{Mo}$ ,  $^{103}$ ,  $^{105}\text{Ru}$  deduced levels,  $J, \pi$ .

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**Keynumber:** 1975HOZI

**Coden:** JOUR BAPSA 20 560 AN9

**Keyword abstract:** NUCLEAR REACTIONS  $^{145}\text{Nd}$ ,  $^{149}\text{Sm}$ ,  $^{101}$ ,  $^{102}$ ,  $^{104}\text{Ru}(n,\gamma)$ ,  $E=20$  eV-150 keV; measured  $\sigma$ .  $^{146}\text{Nd}$ ,  $^{150}\text{Sm}$ ,  $^{102}$ ,  $^{103}$ ,  $^{105}\text{Ru}$  deduced level spacing.

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**Keynumber:** 1975GUZP

**Coden:** REPT KFA/IKP 10/75,P127

**Keyword abstract:** NUCLEAR REACTIONS  $^{104}\text{Ru}(n,\gamma)$ ,  $E=\text{thermal}$ ; measured  $E\gamma, I\gamma, \gamma\gamma\text{-coin}, \gamma\gamma(\theta)$ .  $^{105}\text{Ru}$  deduced levels,  $J, \pi, L$ .

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**Keynumber:** 1975GUZE

**Coden:** CONF Petten(Neutron Capture  $\gamma$ -ray Spect), Proc P614

**Keyword abstract:** NUCLEAR REACTIONS  $^{104}\text{Ru}(n,\gamma)$ ,  $E=\text{thermal}$ ; measured  $\gamma\gamma(\theta), E\gamma, I\gamma$ .  $^{105}\text{Ru}$  levels deduced  $J, \pi$ , transitions.

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**Keynumber:** 1975BAZS

**Coden:** REPT INDC(CCP)-49/L,P24

**Keyword abstract:** NUCLEAR REACTIONS  $^{96}$ ,  $^{98}$ ,  $^{100}$ ,  $^{102}$ ,  $^{104}\text{Ru}(n,\gamma)$ ,  $E=\text{thermal}$ ; measured  $E\gamma, I\gamma$ .  $^{101}$ ,  $^{103}$ ,  $^{105}\text{Ru}$  deduced transitions.

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**Keynumber:** 1974HR01

**Reference:** Nucl.Phys. A219, 381 (1974)

**Authors:** B.Hrastnik, H.Seyfarth, A.M.Hassan, W.Delang, P.Gottel

**Title:** Levels in  $^{105}\text{Ru}$  Populated in Thermal Neutron Capture

**Keyword abstract:** NUCLEAR REACTIONS  $^{104}\text{Ru}(n,\gamma), E < 0.02 \text{ eV}$ ; measured  $E\gamma, I\gamma, \gamma\gamma\text{-coin}, \gamma\gamma(\theta)$ .  $^{105}\text{Ru}$  deduced levels, J,  $\pi$ , L. Enriched target.

**Keynumber:** 1974GUZM

**Coden:** CONF Petten(Neutron Capture Gamma Ray Spectroscopy),P235

**Keyword abstract:** NUCLEAR REACTIONS  $^{104}\text{Ru}(n,\gamma), E=\text{thermal}$ ; measured  $E\gamma, I\gamma, \gamma\gamma(\theta)$ .  $^{105}\text{Ru}$  levels deduced J.

**Keynumber:** 1974BA22

**Reference:** Izv.Akad.Nauk SSSR, Ser.Fiz. 38, 70 (1974); Bull.Acad.Sci.USSR, Phys.Ser. 38, No.1, 60 (1974)

**Authors:** I.F.Barchuk, G.V.Belykh, V.I.Golyshkin, A.F.Ogorodnik, M.M.Tuchinskii

**Title:** The Spectra of  $\gamma$ -Rays from the  $(n,\gamma)$  Reaction on the Ru Isotopes

**Keyword abstract:** NUCLEAR REACTIONS  $^{96}, ^{98}, ^{100}, ^{102}, ^{104}\text{Ru}(n,\gamma), E=\text{reactor spectrum}$ ; measured  $E\gamma, I\gamma$ .  $^{101}, ^{103}, ^{105}\text{Ru}$  deduced levels, transitions.

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

**Keynumber:** 1973MU09

**Reference:** J.Phys.Soc.Jap. 35, 8 (1973)

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

**Title:** Capture Cross Sections of Intermediate Neutrons

**Keyword abstract:** NUCLEAR REACTIONS  $^{59}\text{Co}, ^{68}\text{Zn}, ^{86}\text{Sr}, ^{87}\text{Rb}, ^{96}, ^{102}, ^{104}\text{Ru}, ^{98}, ^{100}\text{Mo}, ^{113}, ^{115}\text{In}, ^{122}\text{Sn}, ^{133}\text{Cs}(n,\gamma), E=24 \text{ keV}$ ; measured capture  $\sigma$ .

**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  $\sigma(E)$ .

**Keynumber:** 1973HAYX

**Reference:** ANCR-1129, p.3 (1973)

**Authors:** Y.D.Harker, R.G.Nisle, E.H.Turk, J.R.Berreth

**Title:** Integral Capture Cross Section Measurements of Fission Product Isotopes (CFRMF)

**Keyword abstract:** NUCLEAR REACTIONS  $^{87}\text{Rb}$ ,  $^{99}\text{Tc}$ ,  $^{102}$ ,  $^{104}\text{Ru}$ ,  $^{115}\text{In}$ ,  $^{121}$ ,  $^{123}\text{Sb}$ ,  $^{127}\text{I}$ ,  $^{132}$ ,  $^{134}\text{Xe}$ ,  $^{133}\text{Cs}$ ,  $^{141}\text{Pr}$ ,  $^{147}\text{Pm}$ ,  $^{148}$ ,  $^{150}\text{Nd}$ ,  $^{152}$ ,  $^{154}\text{Sm}(n,\gamma)$ , E=reactor spectrum; measured  $\sigma$ .

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**Keynumber:** 1973EIZU

**Coden:** REPT NP-19831 P74

**Keyword abstract:** NUCLEAR REACTIONS  $^{102}$ ,  $^{104}\text{Ru}$ ,  $^{181}\text{Ta}(n,\gamma)$ ; measured  $E\gamma, \gamma\gamma$ -coin.  $^{103}$ ,  $^{105}\text{Ru}$ ,  $^{182}\text{Ta}$  deduced transitions.

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**Keynumber:** 1973DEVZ

**Coden:** REPT Kernforsch Julich 1972 Ann,KFA/IKP-10/73 P286

**Keyword abstract:** NUCLEAR REACTIONS  $^{104}\text{Ru}(n,\gamma)$ ; measured  $E\gamma, I\gamma, \gamma\gamma(\theta)$ .  $^{105}\text{Ru}$  deduced levels.

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**Keynumber:** 1973BAWR

**Reference:** Program and Theses, Proc.23rd Ann.Conf.Nucl.Spectrosc.Struct.At.Nuclei, Tbilisi, p.149 (1973)

**Authors:** I.F.Barchuk, G.V.Belykh, V.I.Golyshkin, A.F.Ogorodnik, M.M.Tuchinskii

**Title:**  $\gamma$ -Rays Arising from the Reaction  $^{100}$ ,  $^{102}$ ,  $^{104}\text{Ru}(n,\gamma)$  with Thermal Neutrons

**Keyword abstract:** NUCLEAR REACTIONS  $^{100}$ ,  $^{102}$ ,  $^{104}\text{Ru}(n,\gamma)$ , E=thermal; measured  $E\gamma, I\gamma$ .  $^{101}$ ,  $^{103}$ ,  $^{105}\text{Ru}$  deduced transitions.

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**Keynumber:** 1972HAWB

**Coden:** REPT ANCR-1088,P3,Y Harker,12/11/72

**Keyword abstract:** NUCLEAR REACTIONS  $^{99}\text{Tc}$ ,  $^{103}\text{Rh}$ ,  $^{133}\text{Cs}$ ,  $^{102}\text{Ru}$ ,  $^{147}\text{Pm}$ ,  $^{109}\text{Ag}$ ,  $^{104}\text{Ru}$ ,  $^{98}\text{Mo}$ ,  $^{141}\text{Pr}$ ,  $^{148}\text{Nd}$ ,  $^{150}\text{Nd}$ ,  $^{127}\text{I}$ ,  $^{107}\text{Ag}$ ,  $^{140}$ ,  $^{142}\text{Ce}$ ,  $^{159}\text{Tb}$ ,  $^{121}$ ,  $^{123}\text{Sb}$ ,  $^{158}\text{Gd}(n,\gamma)$ ; measured  $\sigma$ .

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**Keynumber:** 1972DEXR

**Coden:** REPT NP-19666P46,W Delang

**Keyword abstract:** NUCLEAR REACTIONS  $^{102}$ ,  $^{104}\text{Ru}$ ,  $^{151}\text{Eu}(n,\gamma)$ ; measured  $E\gamma$ .  $^{103}$ ,  $^{105}\text{Ru}$ ,  $^{152}\text{Eu}$  deduced levels.

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**Keynumber:** 1971SCYJ

**Coden:** REPT HEDL-TME-71-143,R Schenter,11/20/72

**Keyword abstract:** NUCLEAR REACTIONS  $^{83}\text{Kr}$ ,  $^{95}\text{Zr}$ ,  $^{95}\text{Nb}$ ,  $^{95}$ ,  $^{97}$ ,  $^{98}$ ,  $^{99}$ ,  $^{100}\text{Mo}$ ,  $^{101}$ ,  $^{102}$ ,  $^{103}$ ,  $^{104}$ ,  $^{105}$ ,  $^{106}\text{Ru}$ ,  $^{105}\text{Rh}$ ,  $^{105}$ ,  $^{106}$ ,  $^{107}$ ,  $^{109}\text{Pd}$ ,  $^{113}\text{Cd}$ ,  $^{131}$ ,  $^{135}\text{I}$ ,  $^{131}$ ,  $^{133}\text{Xe}$ ,  $^{135}$ ,  $^{137}\text{Cs}$ ,  $^{139}\text{La}(n,X)$ ,  $(n,\gamma)$ ,  $(n,n)$ ,  $(n,n')$ , E < 10 MeV; analyzed  $\sigma(E)$ ; evaluated capture  $\sigma$ .

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**Keynumber:** 1971HAXS

**Coden:** REPT V D Harker,NCSAC-42, P5,5/19/72

**Keyword abstract:** NUCLEAR REACTIONS  $^{87}\text{Rb}$ ,  $^{102}$ ,  $^{104}\text{Ru}$ ,  $^{121}$ ,  $^{123}\text{Sb}$ ,  $^{127}\text{I}$ ,  $^{148}$ ,  $^{150}\text{Nd}(n,\gamma)$ , E=pile; measured integral  $\sigma$ .