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28 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,γ) , $E < 20$ MeV; ${}^{104}\text{Ru}(n,p)$, $E < 20$ MeV; calculated σ . Comparisons with data.

Keynumber: 1986TA17

Reference: J.Nucl.Sci.Technol.(Tokyo) 23, 914 (1986)

Authors: K.Tasaka, S.Iijima

Title: Simplified Method for Calculation of Neutron Capture Transformation Effects of Fission Products Products on Decay Power

Keyword abstract: NUCLEAR REACTIONS ${}^{102}\text{Ru}$, ${}^{133}, {}^{135}\text{Cs}$, ${}^{147}\text{Pm}$, ${}^{153}, {}^{155}\text{Eu}(n,\gamma)$ ${}^{103}\text{Ru}/{}^{134}\text{Cs}/{}^{136}\text{Cs}/{}^{148}\text{Pm}/{}^{148m}\text{Pm}/{}^{154}\text{Eu}/{}^{156}\text{Eu}$, E =fission spectrum; calculated neutron capture transformation effects from residual production; deduced mother nuclide cumulative fission yield. Comparison with ${}^{235}\text{U}(n,F)$, E =thermal, ${}^{239}\text{Pu}(n,F)$, E =fast.

Keynumber: 1985SEZX

Reference: JUL-Spez-305, p.99 (1985)

Authors: H.Seyfarth, K.Schreckenbach, S.Brant, V.Paar

Title: The Level Structure of ${}^{103}\text{Ru}$

Keyword abstract: NUCLEAR REACTIONS ${}^{102}\text{Ru}(n,\gamma)$, E =thermal; measured $I(\text{ce})$, $E\gamma$, $I\gamma$. ${}^{103}\text{Ru}$ deduced levels, γ -multipolarity, δ , ICC. Quasiparticle-vibration coupling model, SU(6) framework.

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 γ -Spectra of Odd Ru Isotopes

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

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,γ) Reactions by 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.

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 σ . $^{101, 102, 103, 105}\text{Ru}$, ^{104}Rh deduced resonances, strength functions, $\Gamma\gamma$. Breit-Wigner analysis.

Keynumber: 1980GUZV

Reference: JUL-Spez-72, p.70 (1980)

Authors: H.H.Guven, H.Seyfarth

Title: The Level Structure of ^{103}Ru

Keyword abstract: NUCLEAR REACTIONS $^{102}\text{Ru}(n,\gamma)$, $E=\text{thermal}$; measured $E\gamma, I\gamma, \gamma\gamma(\theta), \gamma\gamma\text{-coin}$. ^{103}Ru deduced neutron binding energy, rotational band alignment characteristics. Enriched target.

Keynumber: 1979SEZT

Reference: Priv.Comm. (1979)

Authors: H.Seyfarth, H.H.Guven, B.Viardon

Title: The $^{102}\text{Ru}(n(\text{thermal}), \gamma)^{130}\text{Ru}$ Reaction

Keyword abstract: NUCLEAR REACTIONS $^{102}\text{Ru}(n,\gamma)$, $E=\text{thermal}$; measured $E\gamma, I\gamma, \gamma\gamma\text{-coin}, \gamma\gamma(\theta)$. ^{103}Ru deduced levels, J, π, γ -branching, mixing ratios, γ -multipolarity.

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

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, π .

Keynumber: 1975HOZI

Coden: JOUR BAPSA 20 560 AN9

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

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.

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 γ -Rays from the (n,γ) Reaction on the Ru Isotopes

Keyword abstract: NUCLEAR REACTIONS $^{96, 98, 100, 102, 104}\text{Ru}(n,\gamma)$, E=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}Cu , ^{68}Zn , $^{74, 80}\text{Se}$, ^{81}Br , $^{85, 87}\text{Rb}$, $^{96, 102, 104}\text{Ru}$, $^{98, 100}\text{Mo}$, ^{108}Pd , ^{109}Ag , $^{113, 115}\text{In}$, $^{121, 123}\text{Sb}$, ^{133}Cs , ^{138}Ba , $^{140}\text{Ce}(n,\gamma)$, E=18-28 keV; measured σ , 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}Co , ^{68}Zn , ^{86}Sr , ^{87}Rb , $^{96, 102, 104}\text{Ru}$, $^{98, 100}\text{Mo}$, $^{113, 115}\text{In}$, ^{122}Sn , $^{133}\text{Cs}(n,\gamma)$, E=24 keV; measured capture σ .

Keynumber: 1973LAYG

Reference: RCN-191 (1973)

Authors: G.Lautenbach

Title: Calculated Neutron Absorption Cross Sections of 75 Fission Products

Keyword abstract: NUCLEAR REACTIONS ^{81}Br , $^{83, 84, 85, 86}\text{Kr}$, $^{85, 87}\text{Rb}$, $^{88, 90}\text{Sr}$, ^{89}Y , $^{91, 92, 93, 94, 95, 96}\text{Zr}$, $^{95, 97, 98, 100}\text{Mo}$, ^{99}Tc , $^{101, 102, 104, 106}\text{Ru}$, ^{103}Rh , $^{105, 106, 107, 108, 110}\text{Pd}$, ^{109}Ag , $^{111, 112, 113, 114}\text{Cd}$, ^{115}In , $^{126, 128, 130}\text{Te}$, $^{127, 129}\text{I}$, $^{131, 132, 134, 136}\text{Xe}$, $^{133, 135, 137}\text{Cs}$, ^{138}Ba , ^{139}La , $^{140, 142}\text{Ce}$, ^{141}Pr , $^{143, 144, 145, 146, 148, 150}\text{Nd}$, ^{147}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}Rb , ^{99}Tc , $^{102, 104}\text{Ru}$, ^{115}In , $^{121, 123}\text{Sb}$, ^{127}I , $^{132, 134}\text{Xe}$, ^{133}Cs , ^{141}Pr , ^{147}Pm , $^{148, 150}\text{Nd}$, $^{152, 154}\text{Sm}(n,\gamma)$, E=reactor spectrum; measured σ .

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}Ta deduced transitions.

Keynumber: 1973DEYG

Reference: KFA-IKP-10/73, p.283 (1973)

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

Title: Investigation of the ^{103}Ru Level Scheme by Thermal Neutron Capture γ -Ray Studies

Keyword abstract: NUCLEAR REACTIONS $^{102}\text{Ru}(n,\gamma)$, E= thermal; measured $E\gamma, \gamma\gamma(\theta), I\gamma$. ^{103}Ru

deduced levels, J, π .

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: γ -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.

Keynumber: 1972SEZV

Reference: Contrib.Conf.Nucl.Structure Study with Neutrons, Budapest, p.116 (1972)

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

Title: Investigation of the ^{103}Ru Level Scheme by Thermal Neutron Capture

Keyword abstract: NUCLEAR REACTIONS $^{102}\text{Ru}(n,\gamma)$, E=thermal; measured $E\gamma, I\gamma, \gamma\gamma$ -coin; deduced Q. ^{103}Ru deduced levels, J, π .

Keynumber: 1972SEZF

Reference: Contrib.Conf.Nuclear Structure Study with Neutrons, Budapest, p.116 (1972)

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

Title: Investigation of the ^{103}Ru Level Scheme by Thermal Neutron Capture

Keyword abstract: NUCLEAR REACTIONS $^{102}\text{Ru}(n,\gamma)$, E=thermal; measured $E\gamma, I\gamma, \gamma\gamma$ -coin; deduced Q. ^{103}Ru deduced levels, J, π , γ -branching.

Keynumber: 1972HAWB

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

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

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}Eu deduced levels.

Keynumber: 1971SCYJ

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

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

Keynumber: 1971HAXS

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

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

Keynumber: 1969RI13

Reference: Can.J.Phys. 47, 2031 (1969)

Authors: M.D.Ricabarra, R.Turjanski, G.H.Ricabarra

Title: Neutron Activation Resonance Integrals of ^{64}Zn , ^{68}Zn , ^{85}Rb , ^{100}Mo , ^{102}Ru , ^{113}In , ^{123}Sb , and ^{180}Hf

Keyword abstract: NUCLEAR REACTIONS 64 , ^{68}Zn , ^{85}Rb , ^{100}Mo , ^{102}Ru , ^{113}In , ^{123}Sb , $^{180}\text{Hf}(n,\gamma)$, E = resonance, thermal; measured activation resonance integral/thermal activation σ .

Keynumber: 1969IS09

Reference: J.Nucl.Sci.Technol. 6, 587 (1969)

Authors: H.Ishikawa

Title: Determination of Activation Cross Section by Gamma-Ray Spectrometry

Keyword abstract: NUCLEAR REACTIONS 96 , $^{102}\text{Ru}(n,\gamma)$; measured relative σ .