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64 reference(s) found :

Keynumber: 2001ROZY

Reference: INDC(CPR)-053/L, p.43 (2001)

Authors: J.Rong, Z.Zhang, Y.Han, Q.Shen, X.Sun

Title: Calculations for $n + {}^{93,95}\text{Nb}$ in Energy Range from 0.01 to 20 MeV

Keyword abstract: NUCLEAR REACTIONS ${}^{93,95}\text{Nb}(n,n)$, $(n,2n)$, (n,γ) , $E < 20$ MeV; calculated σ , $\sigma(\theta)$. Comparisons with data.

Keynumber: 1997MUZV

Reference: Proc.Intern.on Nuclear Data for Science and Technology, Trieste, Italy, 19-24 May, 1997, G.Reffo, A.Ventura, C.Grandi, Eds., Editrice Compositori, Italy, Pt.2, p.1624 (1997)

Authors: S.Mughabghab

Title: Neutron Capture Cross Sections for Nucleosynthesis

Keyword abstract: NUCLEAR REACTIONS ${}^{93}\text{Nb}$, ${}^{127}\text{I}$, ${}^{141}\text{Pr}$, ${}^{150,152,154}\text{Sm}$, ${}^{181}\text{Ta}(n,\gamma)$, $E=30$ keV; calculated Maxwellian averaged capture σ .

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

Keynumber: 1993SH04

Reference: Nucl.Phys. A552, 293 (1993)

Authors: H.M.Shimizu, T.Adachi, S.Ishimoto, A.Masaike, Y.Masuda, K.Morimoto

Title: Longitudinal Asymmetry and γ -Ray Angular Distribution in Neutron-Radiative-Capture Reactions

Keyword abstract: NUCLEAR REACTIONS ${}^{81}\text{Br}$, ${}^{93}\text{Nb}$, ${}^{108}\text{Pd}$, ${}^{111}\text{Cd}$, ${}^{124}\text{Sn}$, ${}^{139}\text{La}$ (polarized n,γ), $E=0.4-70$ eV; measured $I\gamma(\theta)$. Neutron-helicity dependence, p-wave resonance asymmetry, parity-nonconserving effect.

Keynumber: [1992XI01](#)

Reference: Phys.Rev. C45, 2487 (1992)

Authors: Y.Xia, Th.W.Gerstenhofer, S.Jaag, F.Kappeler, K.Wisshak

Title: Neutron Cross Sections of ${}^{122}\text{Te}$, ${}^{123}\text{Te}$, and ${}^{124}\text{Te}$ between 1 and 60 keV

Keyword abstract: NUCLEAR REACTIONS ${}^{93}\text{Nb}$, ${}^{122,123,124}\text{Te}(n,\gamma)$, $E=1-60$ keV; measured capture σ relative to gold standard. ${}^{122,123,124}\text{Te}(n,X)$, $E=10-100$ keV; measured total σ .

Keynumber: [1992HE19](#)

Reference: Phys.Rev. C46, 2493 (1992)

Authors: M.Herman, A.Horing, G.Reffo

Title: Gamma Emission in Precompound Reactions. II. Numerical Application

Keyword abstract: NUCLEAR REACTIONS ${}^{93}\text{Nb}$, ${}^{59}\text{Co}$, ${}^{181}\text{Ta}(n,\gamma)$, $E=14.1$ MeV; analyzed total γ

spectra. Precompound reactions, parameter free interpretation.

Keynumber: 1991MU13

Reference: Nucl.Sci.Eng. 108, 302 (1991)

Authors: Y.Mu, H.Xu, Z.Xiang, Y.Li, S.Wang, J.Liu

Title: Fast Neutron Radioactive Capture Cross Sections of Natural Niobium and Molybdenum

Keyword abstract: NUCLEAR REACTIONS $^{93}\text{Nb}, \text{Mo}, ^{197}\text{Au}(n,\gamma), E=0.7-1.4$ MeV; measured capture σ . Tof, liquid scintillator detector.

Keynumber: [1990WI14](#)

Reference: Phys.Rev. C42, 1731 (1990)

Authors: K.Wisshak, F.Voss, F.Kappeler, G.Reffo

Title: Measurements of keV Neutron Capture Cross Sections with a 4π Barium Fluoride Detector:

Examples of $^{93}\text{Nb}, ^{103}\text{Rh},$ and ^{181}Ta

Keyword abstract: NUCLEAR REACTIONS $^{93}\text{Nb}, ^{103}\text{Rh}, ^{181}\text{Ta}(n,\gamma), E=3-200$ keV; measured capture σ relative to gold standard; deduced Maxwellian averaged σ at $(kT)=10-50$ keV.

Keynumber: [1990OB01](#)

Reference: Phys.Rev. C42, 1652 (1990)

Authors: P.Oblozinsky, M.B.Chadwick

Title: Gamma-Ray Emission from Multistep Compound Reactions

Keyword abstract: NUCLEAR REACTIONS $^{59}\text{Co}, ^{93}\text{Nb}, ^{181}\text{Ta}(n,\gamma), E=14$ MeV; calculated γ -production σ vs $E\gamma$; deduced reaction mechanism. Multi-step compound theory.

Keyword abstract: NUCLEAR STRUCTURE $^{94}\text{Nb}, ^{60}\text{Co}, ^{182}\text{Ta}$; calculated r-stage, γ -escape widths. Multi-step compound theory.

Keynumber: [1990KO09](#)

Reference: Phys.Rev. C41, 1941 (1990)

Authors: J.Kopecky, M.Uhl

Title: Test of Gamma-Ray Strength Functions in Nuclear Reaction Model Calculations

Keyword abstract: NUCLEAR REACTIONS $^{197}\text{Au}, ^{143}\text{Nd}, ^{105}\text{Pd}, ^{93}\text{Nb}(n,\gamma), E=\text{low}$; analyzed capture data. $^{94}\text{Nb}, ^{198}\text{Au}, ^{144}\text{Nd}, ^{106}\text{Pd}$ deduced total s-wave $\Gamma\gamma$.

Keynumber: 1988XI03

Reference: Chin.J.Nucl.Phys. 10, 227 (1988)

Authors: Xia Yijun, Yang Jingfu, Guo Huachong, Wang Minhua, Xie Bizheng, Wang Shimin

Title: Measurement of the Neutron Capture Cross Section of ^{93}Nb

Keyword abstract: NUCLEAR REACTIONS $^{93}\text{Nb}(n,\gamma), E=10-100$ keV; measured capture $\sigma(E)$. Moxon-Rae detectors, ^{197}Au as standard.

Keynumber: 1988WI04

Reference: J.Phys.(London) G14, 485 (1988)

Authors: D.Wilmore, P.E.Hodgson

Title: Neutron Scattering and Reactions on ^{93}Nb from 1 to 20 MeV

Keyword abstract: NUCLEAR REACTIONS $^{93}\text{Nb}(n,\gamma), (n,n'), (n,n\alpha), (n,np), (n,d), (n,2n), (n,3n), E=1-20$ MeV; calculated absorption, total, elastic, reaction $\sigma(E)$. Optical model, Hauser-Feshbach, Weisskopf-Ewing, Feshbach-Kerman-Koonin theories.

Keynumber: [1988RE11](#)**Reference:** Phys.Rev. C38, 1190 (1988); Erratum Phys.Rev. C39, 1188 (1989)**Authors:** G.Reffo, M.Blann, B.A.Remington**Title:** Medium Energy γ Rays in Nuclear Reactions**Keyword abstract:** NUCLEAR REACTIONS ^{93}Nb , $^{139}\text{La}(n,\gamma)$, $E=14.1$ MeV; $^{154}\text{Sm}(\alpha,\gamma)$, $^{148}\text{Sm}(\text{}^3\text{He},\gamma)$, $E=27$ MeV; calculated angle-integrated γ -spectra. Semi-direct reaction formalism.**Keynumber:** 1988KE09**Reference:** Can.J.Phys. 66, 947 (1988)**Authors:** T.J.Kennett, W.V.Prestwich, J.S.Tsai**Title:** Energy Levels of ^{94}Nb Populated Directly via the (n,γ) Reaction**Keyword abstract:** NUCLEAR REACTIONS $^{93}\text{Nb}(n,\gamma)$, $E=\text{reactor}$; measured $E(\gamma)$, $I(\gamma)$. ^{94}Nb deduced levels, neutron separation energy.**Keynumber:** 1987ZA05**Reference:** Yad.Fiz. 45, 1302 (1987)**Authors:** D.F.Zaretsky, V.K.Sirotkin**Title:** On Effects of Various Mechanisms in Violation of Space Parity in Neutron-Induced Reactions**Keyword abstract:** NUCLEAR REACTIONS ^{35}Cl , ^{81}Br , ^{93}Nb , ^{111}Cd , 117 , ^{124}Sn , $^{207}\text{Pb}(\text{polarized } n,\gamma)$, $E=\text{cold}$; calculated forward-backward asymmetries, polarization vector rotations, helicity dependent asymmetries; deduced reaction mechanism dependences. Valence, compound nucleus mechanisms.**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 Cu , ^{89}Y , Zr , ^{93}Nb , La , Gd , ^{159}Tb , ^{181}Ta , Re , Pt , Tl , ^{209}Bi , 63 , ^{65}Cu , 155 , 156 , 157 , 158 , ^{160}Gd , 182 , 183 , 184 , ^{186}W , 203 , $^{205}\text{Tl}(n,\gamma)$, $E=0.5-3$ MeV; measured absolute $\sigma(E)$; deduced capture γ -multiplicity.**Keynumber:** 1986GR22**Reference:** Radiat.Eff. 95, 59 (1986)**Authors:** H.Gruppelaar, J.M.Akkermans**Title:** A New Code System for the Calculation of Double Differential Reaction Cross Sections**Keyword abstract:** NUCLEAR REACTIONS $^{93}\text{Nb}(n,\gamma)$, $E=1-15$ MeV; calculated σ , $E\gamma$, $I\gamma$; $^{93}\text{Nb}(n,n')$, $E=\text{threshold}-1, 14.6$ MeV; $\text{Nb}, \text{Pb}(n,nX)$, $E=7, 14.6, 15$ MeV; calculated Legendre coefficients. Statistical exciton model.**Keynumber:** 1985BOZX**Reference:** JUL-Spez-305, p.84 (1985)**Authors:** M.Bogdanovic, H.Seyfarth, H.G.Borner, S.Kerr, F.Hoyler, K.Schreckenbach, G.Colvin**Title:** Low-Lying States of ^{94}Nb **Keyword abstract:** NUCLEAR REACTIONS $^{93}\text{Nb}(n,\gamma)$, E not given; measured $E\gamma$, $I\gamma$, $I(\text{ce})$. ^{94}Nb deduced levels, neutron binding energy, J, π , configurations, γ -branching, γ -multipolarity.**Keynumber:** 1985BO48**Reference:** Fizika(Zagreb) 17, 219 (1985)

Authors: M.Bogdanovic, H.Seyfarth, O.W.B.Schult, H.R.Borner, S.Kerr, F.Hoyler, K.Schreckenbach, G.Colvin

Title: Low-Lying States of ^{94}Nb

Keyword abstract: NUCLEAR REACTIONS $^{93}\text{Nb}(n,\gamma)$, $E=\text{thermal}$; measured $E\gamma$, $I\gamma$, $I(\text{ce})$. ^{94}Nb deduced levels, γ -branching, ICC, δ , multiplet structure, configuration.

Keynumber: 1985AK03

Reference: Phys.Lett. 157B, 95 (1985)

Authors: J.M.Akkermans, H.Gruppelaar

Title: Analysis of Continuum Gamma-Ray Emission in Precompound-Decay Reactions

Keyword abstract: NUCLEAR REACTIONS $^{93}\text{Nb}(n,\gamma)$, $(n,n\gamma)$, $E=1-15$ MeV; calculated continuum γ production $\sigma(E)$. $^{93}\text{Nb}(n,\gamma)$, $E=14.1$ MeV; calculated primary γ -spectra. Precompound decay, statistical description.

Keynumber: 1983HE16

Reference: Nucl.Sci.Eng. 85, 202 (1983)

Authors: D.Hermsdorf, D.Seeliger

Title: Response to ' Comments on the R-Parameter Formalism for Neutron-Induced Gamma-Ray Production '

Keyword abstract: NUCLEAR REACTIONS $^{93}\text{Nb}(n,\gamma)$, $(n,n'\gamma)$, $(n,2n\gamma)$, $E=14$ MeV; analyzed, evaluated γ -, neutron spectra; deduced R parameter dependence on average excitation energy.

Keynumber: 1982RE04

Reference: Nucl.Sci.Eng. 80, 630 (1982)

Authors: G.Reffo, F.Fabbri, K.Wisshak, F.Kappeler

Title: Fast Neutron Capture Cross Sections and Related Gamma-Ray Spectra of Niobium-93, Rhodium-103, and Tantalum-181

Keyword abstract: NUCLEAR REACTIONS ^{93}Nb , ^{103}Rh , $^{181}\text{Ta}(n,\gamma)$, $E=10-70$ keV; measured σ (capture). Moxon-Rae detectors, ^{197}Au standard. Hauser-Feshbach calculations.

Keynumber: 1982RA32

Reference: Indian J.Pure Appl.Phys. 20, 627 (1982)

Authors: S.K.Rathi, V.P.Varshney, H.M.Agrawal

Title: Calculations of Neutron Capture Cross-Sections for some Nuclei using Bilpuch Formula

Keyword abstract: NUCLEAR REACTIONS ^{40}Ca , ^{43}Ca , ^{52}Cr , ^{53}Cr , ^{54}Fe , ^{56}Fe , ^{88}Sr , ^{90}Zr , ^{91}Zr , ^{92}Zr , ^{94}Zr , ^{93}Nb , ^{92}Mo , ^{94}Mo , ^{95}Mo , ^{96}Mo , ^{97}Mo , ^{98}Mo , ^{100}Mo , ^{138}Ba , ^{139}La , ^{140}Ce , $^{203}\text{Tl}(n,\gamma)$, $E=24$ keV; calculated σ (capture). Experimental parameters, Bilpuch formula.

Keynumber: 1981YAZW

Reference: NEANDC(J)-75/U, p.76 (1981)

Authors: N.Yamamuro, K.Saito, T.Emoto, T.Wada, Y.Fujita, K.Kobayashi

Title: Neutron Capture Cross Section Measurements of Nb-93, I-127, Ho-165, Ta-181 and U-238 between 3.2 and 80 keV

Keyword abstract: NUCLEAR REACTIONS ^{93}Nb , ^{127}I , ^{165}Ho , ^{181}Ta , $^{238}\text{U}(n,\gamma)$, $E=3.2-80$ keV; measured σ (capture) vs E.

Keynumber: 1981REZY

Reference: NEANDC(E)-222U, Vol.V, p.7 (1981)

Authors: G.Reffo, F.Fabbri, K.Wisshak, F.Kappeler

Title: Fast Neutron Capture Cross Sections and Related Gamma Ray Spectra of ^{93}Nb , ^{103}Rh , and ^{181}Ta

Keyword abstract: NUCLEAR REACTIONS ^{93}Nb , ^{103}Rh , $^{181}\text{Ta}(n,\gamma)$, $E=10-70$ keV; measured σ (capture). Activation technique, ^{197}Au standard.

Keynumber: 1981RA01

Reference: J.Phys.(London) G7, 53 (1981)

Authors: S.K.Rathi, H.M.Agarwal

Title: P-Wave Neutron Strength Functions

Keyword abstract: NUCLEAR REACTIONS ^{43}Ca , ^{52}Cr , ^{56}Fe , ^{88}Sr , ^{89}Y , 90 , 92 , ^{94}Zr , ^{93}Nb , 92 , 94 , 95 , 96 , 97 , 98 , ^{100}Mo , ^{138}Ba , ^{139}La , ^{140}Ce , $^{203}\text{Tl}(n,\gamma)$, $E=24$ keV; analyzed σ . ^{44}Ca , ^{53}Cr , ^{57}Fe , ^{89}Sr , ^{90}Y , 91 , 93 , ^{95}Zr , ^{94}Nb , 93 , 95 , 96 , 97 , 98 , 99 , ^{101}Mo , ^{139}Ba , ^{140}La , ^{141}Ce , ^{204}Tl deduced p-wave strength function.

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

Keynumber: 1980YA05

Reference: J.Nucl.Sci.Technol.(Tokyo) 17, 582 (1980)

Authors: N.Yamamuro, K.Saito, T.Emoto, T.Wada, Y.Fujita, K.Kobayashi

Title: Neutron Capture Cross Section Measurements of Nb-93, I-127, Ho-165, Ta-181 and U-238 between 3.2 and 80 keV

Keyword abstract: NUCLEAR REACTIONS ^{93}Nb , ^{165}Ho , ^{181}Ta , $^{238}\text{U}(n,\gamma)$, $E=3.2-80$ keV; measured σ . Tof, C_6F_6 , C_6D_6 scintillators.

Keynumber: 1979WIZG

Reference: NEANDC(E)-202U, Vol.III, p.14 (1979)

Authors: J.Winter, E.Cornelis, L.Mewissen, F.Poortmans, G.Rohr, R.Shelley, T.van der Veen

Title: Resonance parameters of ^{93}Nb

Keyword abstract: NUCLEAR REACTIONS $^{93}\text{Nb}(n,n)$, (n,γ) , (n,X) , $E < 7$ keV; measured $\sigma(\text{total})$, σ (elastic), $\sigma(\text{capture})$, transmission. ^{94}Nb deduced s-, p-wave strength functions, $\langle \Gamma\gamma \rangle$

Keynumber: 1979BE24

Reference: Phys.Lett. 84B, 368 (1979)

Authors: E.Betak, J.Dobes

Title: Gamma Emission in the Pre-Equilibrium Exciton Model

Keyword abstract: NUCLEAR REACTIONS ^{93}Nb , $^{137}\text{La}(n,\gamma)$, $E=14.1$ MeV; calculated $\sigma(E\gamma)$. Pre-equilibrium exciton model.

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}Sc , ^{55}Mn , 63 , ^{65}Cu , 69 , ^{71}Ga , ^{75}As , 79 , ^{81}Br , ^{80}Se , 85 , ^{87}Rb , ^{89}Y , ^{93}Nb , ^{96}Zr , 98 , ^{100}Mo , 107 , ^{109}Ag , ^{108}Pd , ^{114}Cd , ^{115}In , ^{127}I , ^{133}Cs , ^{138}Ba , ^{139}La , 140 , ^{142}Ce , ^{141}Pr , 152 , ^{154}Sm , 158 , ^{160}Gd , ^{164}Dy , ^{165}Ho , ^{170}Er , ^{175}Lu , ^{180}Hf , ^{181}Ta , 184 , ^{186}W , 185 , ^{187}Re , ^{197}Au , ^{202}Hg , ^{208}Pb , ^{209}Bi , $^{232}\text{Th}(n,\gamma)$, $E=24$ keV; calculated σ ; deduced ratio of average $\Gamma\gamma$ to average level spacing. Margolis formula of statistical theory, low energy resonance parameters.

Keynumber: 1978YA14

Reference: J.Nucl.Sci.Technol. 15, 637 (1979)

Authors: N.Yamamuro, T.Doi, T.Miyagawa, Y.Fujita, K.Kobayashi, R.C.Block

Title: Measurement of Neutron Capture Cross Sections with Fe-Filtered Beam

Keyword abstract: NUCLEAR REACTIONS ^{93}Nb , ^{115}In , ^{127}I , ^{165}Ho , ^{181}Ta , ^{232}Th , $^{238}\text{U}(n,\gamma)$, $E=24$ keV; measured σ . Fe-filtered beam.

Keynumber: 1978PL06

Reference: Phys.Lett. 76B, 253 (1978)

Authors: V.A.Plyuyko, G.A.Prokopets

Title: Emission of γ -Rays in the Exciton Model

Keyword abstract: NUCLEAR REACTIONS ^{133}Cs , $^{93}\text{Nb}(n,\gamma)$, $E=14.1$ MeV; calculated σ .

Keynumber: 1978PL05

Reference: Yad.Fiz. 27, 1487 (1978); Sov.J.Nucl.Phys. 27, 783 (1978)

Authors: V.A.Plyuiko, G.A.Prokopets

Title: A Possible Statistical Description of γ Radiation in Terms of an Exciton Model

Keyword abstract: NUCLEAR REACTIONS ^{93}Nb , ^{133}Cs , $^{159}\text{Tb}(n,\gamma)$, $E=14.1$ MeV; calculated γ -spectra.

Keynumber: 1976MA13

Reference: Nucl.Sci.Eng. 59, 12 (1976)

Authors: R.L.Macklin

Title: Neutron Capture Cross Section of Niobium-93 from 2.6 to 700 keV

Keyword abstract: NUCLEAR REACTIONS $^{93}\text{Nb}(n,\gamma)$; measured $\sigma(E,E\gamma)$.

Keynumber: 1976LO11

Reference: Nucl.Sci.Eng. 61, 40 (1976)

Authors: G.Longo, F.Saporetta

Title: Cross Sections for the Production of 8- to 20-MeV Photons

Keyword abstract: NUCLEAR REACTIONS ^{140}Ce , $^{93}\text{Nb}(n,\gamma)$, $E=4-15$ MeV; calculated $\sigma(E,E\gamma)$, $E\gamma < 20$ MeV.

Keynumber: 1975YOZW

Coden: REPT LA-UR-75-317,mf

Keyword abstract: NUCLEAR REACTIONS ^{14}N , ^{27}Al , ^{56}Fe , ^{93}Nb , ^{181}Ta , $^{238}\text{U}(n,\gamma)$, $E=\text{thermal}$, 14 MeV; calculated σ .

Keynumber: 1975YAZX

Coden: JOUR BAPSA 20 168 HB22

Keyword abstract: NUCLEAR REACTIONS ^{93}Nb , ^{127}I , ^{165}Ho , ^{198}Au , $^{238}\text{U}(n,\gamma)$, E approx 24

keV; measured σ .

Keynumber: 1975RIZY

Coden: JOUR BAPSA 20 173 IB20

Keyword abstract: NUCLEAR REACTIONS $^{92}, ^{94}, ^{96}, ^{98}\text{Mo}$, ^{93}Nb , $^{89}\text{Y}(n,\gamma)$, E approx 24 keV; measured $\sigma(E\gamma)$. $^{93}, ^{95}, ^{97}, ^{99}\text{Mo}$, ^{94}Nb , ^{90}Y levels deduced S.

Keynumber: 1975RIZU

Coden: REPT ERDA/NDC-2, p44, Rimawi

Keyword abstract: NUCLEAR REACTIONS $^{93}\text{Nb}(n,\gamma)$, E=24 keV; measured σ .

Keynumber: 1975HAXR

Coden: CONF Petten(Neutron Capture γ -ray Spect), Proc P294

Keyword abstract: NUCLEAR REACTIONS $^{93}\text{Nb}(n,\gamma)$, E=resonance; measured $\sigma(E,E\gamma)$. ^{94}Nb deduced resonances, J, π , neutron binding energy.

Keynumber: 1975HA40

Reference: J.Phys.(London) G1, 967 (1975)

Authors: T.J.Haste, B.W.Thomas

Title: Investigations of Resonance Capture γ Ray Spectra in the $^{93}\text{Nb}(n,\gamma)^{94}\text{Nb}$ Reaction

Keyword abstract: NUCLEAR REACTIONS $^{93}\text{Nb}(n,\gamma)$, E=30-6000 eV; measured $E\gamma, I\gamma$; deduced Q. ^{94}Nb deduced levels, resonances, J, π . Natural targets, Ge(Li) detector.

Keynumber: 1974THZO

Coden: REPT UKNDC(74)P63 P27

Keyword abstract: NUCLEAR REACTIONS $^{93}\text{Nb}(n,\gamma)$; measured $E\gamma, I\gamma$. ^{94}Nb resonances deduced J, neutron binding energy, level-width.

Keynumber: 1974THZF

Coden: PC B W Thomas, 11/19/74

Keyword abstract: NUCLEAR REACTIONS ^{103}Rh , ^{93}Nb , ^{169}Tm , $^{240}\text{Pu}(n,\gamma)$; measured $E\gamma, I\gamma$. ^{104}Rh , ^{94}Nb , ^{170}Tm , ^{241}Pu deduced levels, J, π , neutron binding energies. $^{238}\text{U}(n,\gamma)$, E < 350 eV; measured $\sigma(E\gamma)$. ^{239}U deduced $T_{1/2}$, resonances.

Keynumber: 1974RIZE

Coden: CONF Petten(Neutron Capture Gamma Ray Spectroscopy), P111

Keyword abstract: NUCLEAR REACTIONS $^{93}\text{Nb}(n,\gamma)$, E=24 keV; measured $\sigma(E\gamma)$. ^{94}Nb deduced levels.

Keynumber: 1974RIYR

Coden: JOUR BAPSA 19 1031 EE8

Keyword abstract: NUCLEAR REACTIONS $^{93}\text{Nb}(n,\gamma)$; measured $E\gamma, I\gamma$. ^{94}Nb deduced levels.

Keynumber: 1974RIYM

Coden: REPT BNL-18973,mf

Keyword abstract: NUCLEAR REACTIONS $^{93}\text{Nb}(n,\gamma)$, E=24 keV; measured $\sigma(E\gamma)$. ^{94}Nb deduced resonances.

Keynumber: 1974POZX

Coden: JOUR BAPSA 19 573 JF4

Keyword abstract: NUCLEAR REACTIONS $^{93}\text{Nb}(n,\gamma)$; measured $\sigma(E;E\gamma)$.

Keynumber: 1974POZP

Coden: REPT USNDC-11 P21

Keyword abstract: NUCLEAR REACTIONS $^{93}, ^{94}\text{Nb}(n,\gamma), E=0.3-2.5$ MeV; calculated $\sigma(E)$. $^{94}, ^{94m}, ^{95}, ^{95m}\text{Nb}$ deduced yields.

Keynumber: 1974HAXI

Coden: CONF Petten(Neutron Capture Gamma Ray Spectroscopy),P65

Keyword abstract: NUCLEAR REACTIONS $^{93}\text{Nb}(n,\gamma)$; measured $\sigma(E;E\gamma)$. ^{94}Nb deduced resonances, J,π , neutron binding energies.

Keynumber: 1973THZJ

Coden: REPT UKNDC(73)-P53 34

Keyword abstract: NUCLEAR REACTIONS $^{93}\text{Nb}(n,\gamma)$; measured $E\gamma, I\gamma$. ^{94}Nb resonances deduced J .

Keynumber: 1973SMZD

Coden: REPT ANL-AP/CTR/TM-4

Keyword abstract: NUCLEAR REACTIONS $^{93}\text{Nb}(n,\gamma), (n,2n\gamma), (n,3n\gamma), (n,p), (n,d), (n, ^3\text{He}), (n,t), (n,2p), (n,\alpha\gamma)$; measured $\sigma(E;E\gamma,\theta), Q$. ^{94}Nb deduced levels.

Keynumber: 1973CH09

Reference: Phys.Rev. C8, 336 (1973)

Authors: R.E.Chrien, M.R.Bhat, G.W.Cole

Title: Channel Spin Components of p-Wave Neutron Widths in Niobium

Keyword abstract: NUCLEAR REACTIONS $^{93}\text{Nb}(n,\gamma), E=30-100$ eV; measured $\sigma(E;E\gamma,\theta)$. ^{94}Nb resonances deduced channel spin components.

Keynumber: 1972BOZT

Coden: JOUR BAPSA 17 556,L M Bollinger,4/24/72

Keyword abstract: NUCLEAR REACTIONS $^{93}\text{Nb}(n,\gamma), E=\text{resonance}$; measured $E\gamma, I\gamma$; deduced spin-cutoff parameter.

Keynumber: 1971RI10

Reference: Nucl.Phys. A173, 551 (1971)

Authors: F.Rigaud, J.L.Irigaray, G.Y.Petit, G.Longo, F.Saporetta

Title: Gamma-Ray Spectra Following the Capture of 14 MeV Neutrons by ^{59}Co , ^{93}Nb and ^{103}Rh

Keyword abstract: NUCLEAR REACTIONS $^{59}\text{Co}, ^{93}\text{Nb}, ^{103}\text{Rh}(n,\gamma), E_n=14.06$ MeV; measured $\sigma(E\gamma)$; deduced integrated σ . Natural targets.

Keynumber: 1971GU05

Reference: Can.J.Phys. 49, 747 (1971)

Authors: S.C.Gujrathi, J.M.d'Auria, R.G.Korteling

Title: Study of Delayed States in ^{94}Nb , ^{108}Ag , and ^{110}Ag

Keyword abstract: NUCLEAR REACTIONS $^{93}\text{Nb}, ^{107}, ^{109}\text{Ag}(n,\gamma), E=\text{thermal}$; measured $E\gamma, I\gamma$. ^{94}Nb ,

$^{108}, ^{110}\text{Ag}$ levels deduced $T_{1/2}$. ^{108}Ag deduced levels, γ -branching.

Keynumber: 1971CHZZ

Coden: REPT BNL 15203

Keyword abstract: NUCLEAR REACTIONS $^{93}\text{Nb}(n,\gamma)$, E=thermal,resonance; measured $E\gamma, I\gamma$. ^{94}Nb deduced resonances, J, π , level-width. ^{94}Nb deduced levels.

Keynumber: 1971CH16

Reference: Phys.Rev. C3, 2054 (1971)

Authors: R.E.Chrien, K.Rimawi, J.B.Garg

Title: Resonance Neutron Capture in Nb^{93}

Keyword abstract: NUCLEAR REACTIONS $^{93}\text{Nb}(n,\gamma)$, E=thermal,resonance; measured $E\gamma, I\gamma$. ^{94}Nb deduced resonances, level-width, levels, J, π .

Keynumber: 1971BE48

Reference: Ann.Phys.(N.Y.) 65, 181 (1971)

Authors: M.Beer

Title: Doorway States and Primary Neutron Capture Gamma-Rays

Keyword abstract: NUCLEAR REACTIONS ^{93}Nb , ^{165}Ho , ^{166}Er , ^{169}Tm , $^{183}\text{W}(n,\gamma)$, E=resonance; calculated resonance widths, doorway state contributions.

Keynumber: 1969RI09

Reference: Phys.Rev.Letters 23, 1041 (1969)

Authors: K.Rimawi, R.E.Chrien, J.B.Garg, M.R.Bhat, D.I.Garber, O.A.Wasson

Title: Role of Doorway States in Neutron Capture in ^{93}Nb Resonance

Keyword abstract: NUCLEAR REACTIONS $^{93}\text{Nb}(n,\gamma)$, E = 35-244ev; measured $E\gamma, I\gamma$; deduced doorway-state effects, (d,p) correlations. ^{94}Nb deduced resonances, level-width.

Keynumber: 1969KE15

Reference: Yadern.Fiz. 10, 907 (1969); Soviet J.Nucl.Phys. 10, 524 (1970)

Authors: J.Kecskemeti, D.Kiss

Title: Measurement of Average Multiplicity in (n, γ) Reactions Induced by Thermal Neutrons

Keyword abstract: NUCLEAR REACTIONS ^{23}Na , ^{27}Al , ^{31}P , ^{32}S , ^{35}Cl , ^{48}Ti , ^{51}V , ^{53}Cr , ^{52}Cr , ^{55}Mn , ^{56}Fe , ^{59}Co , ^{60}Ni , Ni, Cu, ^{63}Cu , Ge, ^{73}Ge , ^{75}As , Se, Br, Sr, Zr, ^{93}Nb , Mo, ^{103}Rh , Ag(n, γ) E=thermal; measured average γ multiplicity.

Keynumber: 1968JU01

Reference: Nucl.Phys. A111, 105 (1968)

Authors: E.T.Jurney, H.T.Motz, R.K.Sheline, E.B.Shera, J.Vervier

Title: Energy Levels and Configurations in ^{94}Nb

Keyword abstract: NUCLEAR REACTIONS $^{93}\text{Nb}(n,\gamma)$, E=th; measured $E\gamma, I\gamma, Q$. ^{94}Nb deduced levels. Natural target, Ge(Li) detector.

Keynumber: 1967RA24

Reference: Proc.Intern.Conf.Atomic Masses, 3rd, Winnipeg, Canada, R.C.Barber, Ed., Univ.Manitoba Press, p.278(1967)

Authors: N.C.Rasmussen, V.J.Orphan, Y.Hukai

Title: Determination of (n, γ) Reaction Q Values from Capture γ -Ray Spectra

Keyword abstract: NUCLEAR REACTIONS ^6Li , ^7Li , ^9Be , ^{10}B , ^{12}C , ^{14}N , ^{19}F , ^{23}Na , ^{24}Mg , ^{25}Mg , ^{26}Mg , ^{27}Al , ^{28}Si , ^{31}P , ^{32}S , ^{35}Cl , ^{40}Ca , ^{45}Sc , ^{48}Ti , ^{51}V , ^{55}Mn , ^{54}Fe , ^{56}Fe , ^{59}Co , ^{58}Ni , ^{60}Ni , ^{63}Cu , ^{65}Cu , ^{66}Zn , ^{67}Zn , ^{73}Ge , ^{76}Se , ^{85}Rb , ^{87}Rb , ^{89}Y , ^{93}Nb , ^{103}Rh , ^{113}Cd , ^{123}Te , ^{133}Cs , ^{139}La , ^{141}Pr , ^{149}Sm , ^{153}Eu , ^{157}Gd , ^{159}Tb , ^{165}Ho , ^{167}Er , ^{169}Tm , ^{181}Ta , ^{182}W , ^{195}Pt , ^{197}Au , ^{199}Hg , ^{203}Tl , $^{207}\text{Pb}(n,\gamma)$, E = thermal; measured E_γ ; deduced Q. Natural targets.

Keynumber: 1965GR10

Reference: Nucl.Phys. 67, 433 (1965)

Authors: U.Gruber, R.Koch, B.P.Maier, O.W.B.Schult, J.B.Ball, K.H.Bhatt, R.K.Sheline

Title: Energies and Character of Low-Lying Levels in Nb^{94}

Keyword abstract: NUCLEAR REACTIONS $^{93}\text{Nb}(n,\gamma)$, E=pile; measured E_γ , I_γ . ^{94}Nb deduced levels.