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169 reference(s) found :

Keynumber: 2001ADZW

Reference: JINR-E1-2001-136 (2001)

Authors: J.Adam, A.Balabekyan, V.P.Bamblevski, M.Yu.Barabanov, V.Bradnova, P.Chaloun, Kh.M.Hella, V.G.Kalinnikov, M.I.Krivopustov, B.A.Kulakov, V.P.Perelygin, V.S.Pronskikh, A.V.Pavliouk, A.A.Solnyshkin, A.N.Sosnin, V.I.Stegailov, V.M.Tsupko-Sitnikov, O.S.Zaveriokha, J.C.Adloff, M.Debeauvais, R.Brandt, E.-J.Langrock, P.Vater, J.-S.Van, W.Westmeier, K.K.Dwivedi, S.-L.Guo, L.Li, S.R.Hashemi-Nezhad, M.K.Kievets, E.M.Lomonosova, I.V.Zhuk, G.Modolo, R.Odoj, M.Zamani-Valassiadou

Title: Transmutation of ^{239}Pu and Other Nuclides using Spallation Neutrons Produced by Relativistic Protons Reacting with Massive U- and Pb-Targets

Keyword abstract: NUCLEAR REACTIONS ^{129}I , ^{139}La , ^{238}U , $^{237}\text{Np}(n,\gamma)$, $^{239}\text{Pu}(n,F)$, E=spectrum; measured yields; deduced transmutation rates. Spallation neutrons from high-energy protons on U and Pb targets.

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

Keynumber: 1998OB01

Reference: Nucl.Phys. A636, 129 (1998)

Authors: S.Oberstedt, F.Gunsing

Title: Evidence for Low-Energy γ -Decay Above the Shape Isomer in ^{239}U

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$, E=600-800 eV; measured $E\gamma, I\gamma$. ^{239}U deduced shape-isomeric ground-state feeding. Intermediate structure in sub-threshold fission cross-section.

Keynumber: 1997ROZZ

Reference: INDC(CPR)-042/L, p.93 (1997)

Authors: J.Rong, G.Lui

Title: The Integral Test of the Reactor Dosimetry Data

Keyword abstract: NUCLEAR REACTIONS ^{27}Al , 46 , 47 , ^{48}Ti , 54 , ^{56}Fe , 58 , ^{60}Ni , $^{32}\text{S}(n,p)$, ^{27}Al , ^{59}Co , $^{63}\text{Cu}(n,\alpha)$, ^{55}Mn , ^{59}Co , ^{58}Ni , $^{65}\text{Cu}(n,2n)$, ^{23}Na , ^{45}Sc , ^{59}Co , ^{58}Fe , ^{63}Cu , ^{115}In , ^{197}Au , ^{232}Th , $^{238}\text{U}(n,\gamma)$, 235 , ^{238}U , ^{232}Th , ^{237}Np , $^{239}\text{Pu}(n,F)$, 47 , $^{48}\text{Ti}(n,np)$, ^6Li , ^{10}B , $^{115}\text{In}(n,X)$, E=reactor; calculated spectrum averaged σ . Several data libraries compared.

Keynumber: 1997LI11

Reference: Nucl.Phys. A619, 57 (1997)

Authors: A.Likar, T.Vidmar

Title: Fast Neutron Capture in ^{206}Pb , ^{165}Ho , and ^{238}U as Seen Through the Consistent Direct-Semidirect Model

Keyword abstract: NUCLEAR REACTIONS ^{165}Ho , $^{238}\text{U}(n,\gamma)$, $E=6-16$ MeV; $^{206}\text{Pb}(n,\gamma)$, $E=2-12$ MeV; calculated $\sigma(E)$. ^{166}Ho , ^{207}Pb , ^{239}U deduced single-particle states binding energy, spectroscopic factors, GDR related features. Differences between modified, standard direct-semidirect models, studied.

Keynumber: [1997GU17](#)

Reference: Phys.Rev. C56, 1266 (1997)

Authors: F.Gunsing, K.Athanassopoulos, F.Corvi, H.Postma, Yu.P.Popov, E.I.Sharapov

Title: Spins of Resonances in Reactions of Neutrons with ^{238}U and ^{113}Cd

Keyword abstract: NUCLEAR REACTIONS ^{113}Cd , $^{238}\text{U}(n,\gamma)$, $E=7-458$ eV; measured $E\gamma$, $I\gamma$. ^{239}U , ^{114}Cd deduced resonance spins, parity nonconservation implications. ToF technique, pulse beam.

Keynumber: 1995RA25

Reference: J.Radioanal.Nucl.Chem. 189, 51 (1995)

Authors: M.U.Rajput, T.D.Mac Mahon

Title: Measurements of Thermal Neutron Cross Section and Resonance Integrals of ^{74}Se , ^{75}As , ^{94}Zr , ^{134}Cs , ^{238}U

Keyword abstract: NUCLEAR REACTIONS ^{74}Se , ^{75}As , ^{94}Zr , ^{134}Cs , $^{238}\text{U}(n,\gamma)$, $E=\text{thermal}$; measured σ , resonance integrals. Activation technique, high resolution γ -detector.

Keynumber: 1995OB01

Reference: Nucl.Phys. A589, 435 (1995)

Authors: S.Oberstedt, F.Gunsing

Title: γ -Decay Towards the Shape-Isomeric Ground State of ^{239}U

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$, $E=600-800$ eV; measured $E\gamma$, $I\gamma$. ^{239}U deduced shape isomeric ground-state feeding.

Keynumber: 1995BI27

Reference: J.Radioanal.Nucl.Chem. 189, 191 (1995)

Authors: B.Bisplinghoff, V.Bradnova, R.Brandt, K.K.Dwivedi, V.S.Butsev, E.M.Friedlander, S.Gosh, S.-L.Guo, M.Heck, H.Jin, M.I.Krivopustov, B.A.Kulakov, C.Laue, L.Lerman, Th.Schmidt, A.N.Sosnin, Y.-L.Wang

Title: Neutron Generation in Massive Cu-Targets During the Irradiation with 22 and 44 GeV Carbon Ions

Keyword abstract: NUCLEAR REACTIONS ^{139}La , $^{238}\text{U}(n,\gamma)$, $E=\text{high}$; measured residuals, decay, products production rate. Neutron generation in massive Cu targets bombarded by 22, 44 GeV carbon ions.

Keynumber: 1994OB01

Reference: Nucl.Phys. A573, 467 (1994)

Authors: S.Oberstedt, J.P.Theobald, H.Weigmann, J.A.Wartena, C.Burkholz

Title: Limits on the Half Life of the Shape Isomer in ^{239}U

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$, $E \approx \text{resonance}$; measured $\gamma\gamma(t)$ following capture. ^{239}U deduced shape isomer $T_{1/2}$ lower limit, fission barrier parametrization related features.

Keynumber: 1994MU20

Reference: Nucl.Phys. A580, 236 (1994)

Authors: G.V.Muradyan, V.A.Stepanov, M.A.Voskanyan

Title: Study of ^{238}U Neutron Resonances with Anomalously Large Fission Width

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$, (n,n') , E not given; measured capture γ -neutron multiplicities. ^{239}U deduced resonance, parameters. Multiplicity spectrometry, enriched target.

Keynumber: 1993OBZZ

Reference: Proc.Int.Conf.Nuclear Structure and Nuclear Reactions at Low and Intermediate Energies, Dubna, p.353 (1993); JINR E4-93-58 (1993)

Authors: St.Oberstedt, J.Wartena, H.Weigmann, J.P.Theobald

Title: Shape Isomer Systematics

Keyword abstract: NUCLEAR REACTIONS ^{232}Th , $^{238}\text{U}(n,\gamma)$, E not given; measured $\gamma\gamma(t)$. ^{233}Th , ^{239}U deduced no evidence for shape isomer.

Keynumber: 1993IDZZ

Reference: Japan Atomic Energy Res.Inst.Tandem VDG Ann.Rept., 1992, p.140 (1993)

Authors: K.Ideno

Title: Level Position Correlations and Partial Radiative Widths for the U-238 Neutron Resonances

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$, $E \leq 600$ eV; measured s-wave resonances, partial radiative widths from the capturing states.

Keynumber: 1992VO13

Reference: Nucl.Sci.Eng. 112, 87 (1992)

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 $A = 45$ to 238

Keyword abstract: NUCLEAR REACTIONS Sc, Ti, Rb, Mo, I, Cs, Ce, Pr, Ho, Lu, ^{197}Au , ^{190}Os , ^{192}Os , ^{194}Pt , $^{238}\text{U}(n,\gamma)$, $E=0.5-3$ MeV; measured absolute capture $\sigma(E)$.

Keynumber: 1992QU01

Reference: Nucl.Sci.Eng. 110, 282 (1992)

Authors: E.Quang, G.F.Knoll

Title: Absolute Measurements of the Fast Neutron Capture Cross Section of ^{238}U

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$, $E=23-964$ keV; measured absolute capture $\sigma(E)$.

Keynumber: 1992LAZP

Reference: Leningrad Nucl.Phys.Inst., 1990-1991 Ann.Rept., p.77 (1992)

Authors: A.B.Laptev, O.A.Shcherbakov

Title: On Nature of 721.6 eV Resonance in ^{238}U

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$, $E \approx$ resonance; measured capture γ -spectra.

Keynumber: 1992JA05

Reference: Nucl.Instrum.Methods Phys.Res. A313, 266 (1992)

Authors: N.Janeva, S.Toshkov, G.V.Muradyan, Yu.V.Grigorev, G.Georgiev, I.Sirakov, V.G.Tishin, Yu.S.Zamyatin

Title: A Setup for Precise Measurement of Resonance Neutron Capture by Self-Indication

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$, $E=0.465-200$ keV; measured capture self-indication ratio; deduced implications for self-shielding effects, γ -multiplicity characteristics of resonances.

Keynumber: 1991OI01

Reference: J.Nucl.Sci.Technol.(Tokyo) 28, 879 (1991)

Authors: H.Oigawa, Y.Fujita, K.Kobayashi, S.Yamamoto, I.Kimura

Title: Self-Shielding Factors for Neutron Capture Reactions of Uranium-238 and Thorium-232 in Energy Range of 1-35 keV

Keyword abstract: NUCLEAR REACTIONS ^{238}U , $^{232}\text{Th}(n,\gamma)$,E=1-35 keV; measured self-shielding factors. Tof method.

Keynumber: 1991MA40

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Authors: R.L.Macklin, R.B.Perez, G.de Saussure, R.W.Ingle

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Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$,E=1-100 keV; measured capture yield vs E; deduced σ . ^{239}U deduced resonances.

Keynumber: 1991KA34

Reference: J.Radioanal.Nucl.Chem. 154, 139 (1991)

Authors: M.Kadri, J.J.Schleiffer, J.P.Adloff

Title: Speciation of ^{239}U and ^{238}Np Produced by Radiative Neutron Capture

Keyword abstract: NUCLEAR REACTIONS ^{238}U , $^{237}\text{Np}(n,\gamma)$,E=reactor; measured residuals activities; deduced ^{239}U , ^{238}Np chemical state.

Keynumber: 1991AD08

Reference: Yad.Fiz. 54, 3 (1991); Sov.J.Nucl.Phys. 54, 1 (1991)

Authors: Yu.V.Adamchuk, M.A.Voskanyan, G.V.Muradyan, V.A.Stepanov

Title: Study of the Neutron Resonances of ^{238}U with Anomalously Large Fission Widths

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$,E not given; measured capture $E\gamma$, $I\gamma$. ^{239}U deduced resonances $\Gamma\gamma$.

Keynumber: 1990QUZZ

Reference: Thesis, Univ.Michigan (1990)

Authors: E.Quang

Title: Absolute Measurements of the Fast Neutron Capture Cross Section of ^{238}U

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$,E=fast; measured absolute capture σ .

Keynumber: 1989FR10

Reference: Nucl.Sci.Eng. 103, 119 (1989)

Authors: F.H.Frohner

Title: Evaluation of the Unresolved Resonance Range of ^{238}U

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,n)$, (n,n') , (n,γ) ,E \leq 500 keV; analyzed $\sigma(E)$; deduced average resonance parameters.

Keynumber: 1988FIZS

Reference: INDC(CCP)-294/G, p.56 (1988)

Authors: A.A.Filatenkov, M.V.Blinov, S.V.Chuvaev, V.M.Saidgareev

Title: γ -Quanta Production Cross Section from the Interaction of 3 MeV Neutrons with ^{232}Th , ^{235}U and ^{238}U Nuclei

Keyword abstract: NUCLEAR REACTIONS ^{232}Th , 235 , $^{238}\text{U}(n,\gamma)$, $E=3$ MeV; measured $E\gamma$, $I\gamma$, production σ following fission fragment decay. ^{84}Se , ^{87}Br , 88 , ^{90}Kr , 92 , 94 , 95 , ^{96}Sr , 98 , ^{100}Zr , ^{102}Mo , ^{134}Te , 140 , ^{138}Xe , ^{142}Ba deduced transitions.

Keynumber: 1988BU27

Reference: At.Energ. 65, 348 (1988); Sov.At.Energy 65, 920 (1988)

Authors: N.N.Buleeva, A.N.Davletshin, A.O.Tipunkov, S.V.Tikhonov, V.A.Tolstikov

Title: Activation-Measured Radiative Neutron-Capture Cross Sections for ^{236}U , ^{238}U , and ^{237}Np

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$, $E=0.339-1.391$ MeV; $^{236}\text{U}(n,\gamma)$, $E=0.154-1.134$ MeV; $^{237}\text{Np}(n,\gamma)$, $E=0.166-1.142$ MeV; measured capture $\sigma(E)$; deduced error components, parameters. Activation technique.

Keynumber: 1988AD09

Reference: At.Energ. 65, 356 (1988); Sov.At.Energy 65, 930 (1988)

Authors: Yu.V.Adamchuk, M.A.Voskanyan, G.V.Muradyan, V.A.Stepanov

Title: ^{236}U and ^{238}U Radiative-Capture Cross Sections for Neutron Energies from 10 eV to 50 keV

Keyword abstract: NUCLEAR REACTIONS 236 , $^{238}\text{U}(n,\gamma)$, $E=0.01-50$ keV; measured capture $\sigma(E)$. NaI(Tl) crystals, 24-section 4π detector.

Keynumber: 1987PA31

Reference: Ann.Nucl.Energy 14, 623 (1987)

Authors: R.Paviotti Corcuera, M.De Moraes

Title: Validation of Actinide Nuclear Data from ENDF/B-V, INDL/A-83 and JENDL-2

Keyword abstract: NUCLEAR REACTIONS ^{232}Th , ^{233}Pa , 233 , 234 , 235 , 236 , ^{238}U , ^{237}Np , 239 , 240 , 241 , ^{242}Pu , 241 , 242g , 242m , ^{243}Am , 242 , 243 , 244 , 245 , 246 , $^{247}\text{Cm}(n,n)$, (n,γ) , (n,F) , $E=\text{fission spectrum}$; compiled, evaluated resonance integrals, average fission σ .

Keynumber: 1986SU17

Reference: Radiat.Eff. 95, 137 (1986)

Authors: Z.Su, X.Shi, C.Li, Y.Zhuang

Title: The Statistical Theory of Compound Nucleus Reaction and Nuclear Data Calculations

Keyword abstract: NUCLEAR REACTIONS 235 , ^{238}U , 239 , ^{240}Pu , Hf , Zr , $\text{Cr}(n,n)$, (n,n') , (n,γ) , $E=0.001-5$ MeV; calculated $\sigma(E,\theta)$, spectrum. Statistical theory.

Keynumber: 1986SO13

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Authors: M.Sowerby

Title: Summary of the Work of the NEANDC Task Force on U-238

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,n)$, (n,γ) , (n,F) , $E=1-30$ keV; analyzed resolved, resonance parameters, reaction, fission, capture σ data; deduced discrepancy origins.

Keynumber: 1986SE03

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Authors: R.Seiler, K.Gmuer, R.Chawla

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Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$, ^{232}Th , 233 , 235 , ^{238}U , 239 , ^{241}Pu (n,F) , $E=\text{thermal}$; measured capture, fission reaction rates.

Keynumber: 1986OK02

Reference: Radiat.Eff. 93, 205 (1986)

Authors: A.Okazaki, R.T.Jones

Title: Measured Dependence of Some Effective Cross Sections on Thermal Neutron Temperatures in the Range -195°C to 297°C

Keyword abstract: NUCLEAR REACTIONS $^{233}, ^{235}\text{U}$, $^{239}\text{Pu}(\text{n},\text{F})$, ^{238}U , ^{232}Th , ^{63}Cu , ^{115}In , ^{176}Lu , $^{197}\text{Au}(\text{n},\gamma)$, $E=\text{thermal}$; measured effective σ vs temperature in Maxwellian distribution for fission,capture.

Keynumber: 1986KA42

Reference: Radiat.Eff. 96, 225 (1986)

Authors: Y.Kanda, Y.Uenohara, T.Murata, M.Kawai, H.Matsunobu, T.Nakagawa, Y.Kikuchi, Y.Nakajima

Title: Simultaneous Evaluation of Fission and Capture Cross Sections and Their Covariances for Heavy Nuclei

Keyword abstract: NUCLEAR REACTIONS $^{235}, ^{238}\text{U}$, $^{239}, ^{240}, ^{241}\text{Pu}(\text{n},\text{F})$, ^{197}Au , $^{238}\text{U}(\text{n},\gamma)$, $E=0.05\text{-}20$ MeV; compiled,evaluated reaction,fission $\sigma(E)$,covariances. Simultaneous evaluation method.

Keynumber: 1986HA17

Reference: Radiat.Eff. 93, 169 (1986)

Authors: D.R.Harris, R.C.Block, R.N.Hwang

Title: Analysis of U-238 Self-Indication Experiments

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(\text{n},\gamma)$, $E=\text{fast}$; analyzed data; deduced capture tank efficiency. Self-indication experiments.

Keynumber: 1986CA28

Reference: Radiat.Eff. 96, 87 (1986)

Authors: A.D.Carlson, W.P.Poenitz, G.M.Hale, R.W.Peelle

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Keyword abstract: NUCLEAR REACTIONS $^6\text{Li}(\text{n},\text{n})$, (n,t) , $^{10}\text{B}(\text{n},\alpha)$, $^{197}\text{Au}(\text{n},\gamma)$, $^{235}, ^{238}\text{U}$, $^{239}\text{Pu}(\text{n},\text{F})$, $^{238}\text{U}(\text{n},\gamma)$, $E \leq 20$ MeV; compiled,evaluated reaction,fission $\sigma(E)$. Simultaneous evaluation method.

Keynumber: [1986AU01](#)

Reference: Phys.Rev. C33, 125 (1986)

Authors: G.F.Auchampaugh, G.de Saussure, D.K.Olsen, R.W.Ingle, R.B.Perez, R.L.Macklin

Title: Resolution of the Nature of the Coupling in Subthreshold Fission in $^{238}\text{U} + \text{n}$

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(\text{n},\gamma)$, (n,n) , $E=700\text{-}740$ eV; measured $\sigma(E)$. ^{239}U deduced resonance, Γ_n , Γ_γ , barrier, other parameters.

Keynumber: 1985AB16

Reference: Nucl.Instrum.Methods 242, 121 (1985)

Authors: N.K.Abrosimov, G.Z.Borukhovich, A.B.Laptev, V.V.Marchenkov, G.A.Petrov, O.A.Shcherbakov, Yu.V.Tuboltsev, V.I.Yurchenko

Title: Neutron Time-of-Flight Spectrometer GNEIS at the Gatchina 1 GeV Proton Synchrocyclotron

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(\text{n},\gamma)$, $E=0.2\text{-}100$ keV; measured capture γ yield vs E. Gatchina tof spectrometer.

Keynumber: 1984MUZR

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Authors: A.V.Murzin, V.A.Libman, I.V.Kononenko, N.A.Lubchenko, I.N.Kharakoz

Title:

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$, $E=2,24,55$ keV; measured $E\gamma, I\gamma$; deduced $\sigma(E)$ for s-,p-,d-wave neutron. Statistical theory.

Keynumber: 1984MAZE

Reference: Proc.Conf.Neutron Physics, Kiev, Vol.2, p.231 (1984)

Authors: G.N.Manturov, V.P.Lunev, L.V.Gorbacheva

Title:

Keyword abstract: NUCLEAR REACTIONS ^{232}Th , $^{238}\text{U}(n,\gamma)$, (n,n), (n,n'), (n,X), $E=1-1000$ keV; analyzed σ . ^{233}Th , ^{239}U deduced average resonance parameters. Hauser-Feshbach-Moldauer formalism.

Keynumber: 1984KOZC

Reference: Proc.Conf.Neutron Physics, Kiev, Vol.1, p.101 (1984)

Authors: V.N.Koshcheev, G.N.Manturov, M.N.Nikolaev, V.V.Sinitsa

Title:

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,X)$, (n, γ), $E=4.65-10$ keV; analyzed total, capture σ , self-shielding factor accuracy.

Keynumber: 1984DUZX

Reference: Proc.Conf.Neutron Physics, Kiev, Vol.3, p.16 (1984)

Authors: N.K.Dubrovin, V.I.Mostovoy, G.V.Muradyan, I.I.Surina

Title:

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$, $E=6.677, 20.9, 36.8, 66.1, 116.9$; measured σ . ^{239}U deduced neutron resonance Doppler broadening vs T. Metallic U, U-V alloy samples.

Keynumber: 1984CH05

Reference: Nucl.Phys. A414, 281 (1984)

Authors: R.E.Chrien, J.Kopecky

Title: The Nuclear Structure of ^{239}U

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(\text{polarized } n,\gamma)$, $E=\text{thermal}$; $^{238}\text{U}(n,\gamma)$, $E=2,24$ keV; measured $E\gamma, I\gamma, \gamma$ CP. ^{239}U deduced levels, J, π .

Keynumber: 1983VL01

Reference: Rev.Roum.Phys. 28, 569 (1983)

Authors: G.Vladuca, M.Sin

Title: The Calculations of Fast Cross Sections for ^{238}U

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,n)$, (n,n'), (n, γ), $E=0.2-2$ MeV; calculated $\sigma(E)$. $^{238}\text{U}(n,F)$, $E=1-2$ MeV; calculated fission $\sigma(E)$. Hauser-Feshbach, other statistical models.

Keynumber: 1983RE01

Reference: Nucl.Sci.Eng. 83, 401 (1983)

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

Title: Calculated Gamma-Ray Spectra for keV Neutron Capture in ^{240}Pu , ^{242}Pu , and ^{238}U

Keyword abstract: NUCLEAR REACTIONS 240 , ^{242}Pu , $^{238}\text{U}(n,\gamma)$, $E=10-200$ keV; calculated total σ , σ (capture). Optical, statistical model analyses.

Keynumber: 1983KA36

Reference: Izv.Akad.Nauk SSSR, Ser.Fiz. 47, 2208 (1983)

Authors: S.A.Karamyan

Title: Life Time of States in ^{236}U and ^{239}U and Statistical Calculation Parameter Determination

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma), E \approx 1-15$ MeV; $^{235}\text{U}(n,\gamma), E \approx 0-15$ MeV; calculated $\sigma(E)$; deduced model parameters. Statistical calculation.

Keyword abstract: NUCLEAR STRUCTURE $^{236}, ^{238}\text{U}$; calculated $T_{1/2}$; deduced model parameters. Statistical calculation.

Keynumber: 1982MOZQ

Reference: NEANDC(E)-232, Vol.8, p.25 (1982)

Authors: M.C.Moxon, J.E.Jolly

Title: Measurement of the Neutron Capture Cross Section of ^{238}U in the Energy Range 0.01 to 10 eV

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma), E=0.01-10$ eV; measured $\sigma(\text{capture})$ vs E.

Keynumber: 1982MOZP

Reference: AERE-PR/NP-29, p.12 (1982)

Authors: M.C.Moxon, J.E.Jolly

Title: Measurement of the Neutron Capture Cross Section of ^{238}U in the Energy Range 0.01 to 10 eV

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma), E=0.01-10$ eV; measured $\sigma(\text{capture})$ vs E.

Keynumber: 1982MCZY

Reference: LA-9093-MS (1982)

Authors: D.K.McDaniels, P.Varghese, D.M.Drake, E.Arthur, A.Lindholm, I.Bergqvist, J.Krumlinde

Title: Radiative Capture of Fast Neutrons by ^{165}Ho and ^{238}U

Keyword abstract: NUCLEAR REACTIONS $^{165}\text{Ho}, ^{238}\text{U}(n,\gamma), E=7-15$ MeV; measured $E\gamma, I\gamma$; deduced $\sigma(\theta)$ vs E, reaction mechanism. $^{239}\text{U}, ^{166}\text{Ho}$ transitions deduced initial, final state Nilsson assignments. Direct-semidirect model.

Keynumber: 1982MC08

Reference: Nucl.Phys. A384, 88 (1982)

Authors: D.K.McDaniels, P.Varghese, D.M.Drake, E.Arthur, A.Lindholm, I.Bergqvist, J.Krumlinde

Title: Radiative Capture of Fast Neutrons by ^{165}Ho and ^{238}U

Keyword abstract: NUCLEAR REACTIONS $^{165}\text{Ho}, ^{238}\text{U}(n,\gamma), E=7-15$ MeV; measured $\sigma(\theta), \sigma(\text{total})$ vs E. Direct-semidirect model.

Keynumber: 1982DI10

Reference: Nucl.Instrum.Methods 198, 461 (1982)

Authors: G.J.DiLorio, W.P.Poenitz

Title: Accurate ^{238}U Neutron Capture Rate Determinations

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma), E=\text{thermal}$; measured capture rate. Activation technique, metallic sample, ^{243}Am calibration method, Ge(Li) detectors.

Keynumber: 1982BO20

Reference: Yad.Fiz. 35, 675 (1982)

Authors: V.I.Bondarenko, M.G.Urin

Title: Average Total Radiative Widths of Neutron Resonances and the E1 Transitions between the

Nuclear Compound States

Keyword abstract: NUCLEAR REACTIONS ^{94}Mo , ^{117}Sn , ^{123}Sb , ^{123}Te , ^{143}Nd , ^{198}Hg , 230 , ^{232}Th , 231 , ^{233}Pa , 234 , ^{238}U , 239 , ^{242}Pu , ^{241}Am , 244 , $^{246}\text{Cm}(n,\gamma)$, E not given; analyzed E1 photoabsorption data. ^{95}Mo , ^{118}Sn , ^{124}Sb , ^{124}Te , ^{144}Nd , ^{199}Hg , 231 , ^{233}Th , 232 , ^{234}Pa , 235 , ^{239}U , 240 , ^{243}Pu , ^{242}Am , 245 , ^{247}Cm resonances deduced total $\Gamma\gamma$. Semi-microscopic shell model.

Keynumber: 1982BL02

Reference: Nucl.Sci.Eng. 80, 263 (1982)

Authors: R.C.Block, D.R.Harris, Si Hwan Kim, K.Kobayashi

Title: Uranium-238 Resonance Self-Indication Capture Measurements

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$, E=6.67,20.9,36.8,66.1,80.7 eV; measured capture yield. ^{239}U resonances deduced Γ_n, Γ_γ . Tof, self-indication measurements, open self-shielding, improved accuracy. Multi-level formalism.

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 $\sigma(\text{capture})$ vs E.

Keynumber: 1981SU10

Reference: Chin.J.Nucl.Phys. 3, 97 (1981)

Authors: Su Zongdi, Ma Zhongyu, Zhou Chunmei, Ding Xunliang, Lu Zhongdao, Ding Dazhao

Title: The Measurements, Evaluations and the Theoretical Analyses of the Cross Sections for the Neutron Radiative Capture Reactions

Keyword abstract: NUCLEAR REACTIONS 235 , 236 , ^{238}U , $^{239}\text{Pu}(n,\gamma)$, E \approx 0.001-10 MeV; 238 , $^{240}\text{Pu}(n,\gamma)$, E \approx 0.001-0.3 MeV; $^{233}\text{U}(n,\gamma)$, E \approx 0.002-1 MeV; measured $\sigma(E)$. 234 , 236 , 237 , ^{239}U , 239 , 240 , ^{241}Pu deduced neutron binding energy, average level widths. Statistical, direct semi-direct models.

Keynumber: 1981ST16

Reference: Phys.Rev. C24, 1419 (1981)

Authors: M.L.Stelts, R.E.Chrien, M.K.Martel

Title: Nuclear Level Densities from Resonance Averaged Neutron Capture γ -Ray Spectra

Keyword abstract: NUCLEAR REACTIONS 147 , 149 , ^{154}Sm , ^{165}Ho , ^{167}Er , ^{181}Ta , ^{182}W , ^{189}Os , ^{195}Pt , ^{197}Au , 236 , $^{238}\text{U}(n,\gamma)$, E=2,24 keV; measured E_γ, I_γ for average resonance capture. 148 , 150 , ^{155}Sm , ^{166}Ho , ^{168}Er , ^{182}Ta , ^{183}W , ^{190}Os , ^{196}Pt , ^{198}Au , 237 , ^{239}U deduced level density parameters. Fermi gas model.

Keynumber: 1981PO12

Reference: Nucl.Sci.Eng. 78, 239 (1981)

Authors: W.P.Poenitz, L.R.Fawcett, Jr., D.L.Smith

Title: Measurements of the $^{238}\text{U}(n,\gamma)$ Cross Section at Thermal and Fast Neutron Energies

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$, E=thermal, 0.03-3.033 MeV; measured σ . Activation technique.

Keynumber: 1981ME04

Reference: Nucl.Phys. A362, 18 (1981)

Authors: A.Meister, D.Pabst, L.B.Pikelner, K.Seidel

Title: Isomer-Shift Analogue in Neutron Resonances

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$, $E=6.67$ eV; measured chemical resonance energy shift. ^{238}U deduced nuclear charge rms radius. Natural target.

Keynumber: 1981MA36

Reference: Chin.J.Nucl.Phys. 3, 217 (1981)

Authors: Ma Zhongyu, Sun Ziyang, Zhang Jingshang, Zhuo Yizhong, Ding Dazhao

Title: Pre-Equilibrium Exciton-Phonon Coupling Model for (n,γ) Reaction

Keyword abstract: NUCLEAR REACTIONS ^{238}U , ^{56}Fe , $^{208}\text{Pb}(n,\gamma)$, $E=5-19$ MeV; calculated $\sigma(E)$. Preequilibrium exciton-phonon coupling model.

Keynumber: 1980ZEZY

Coden: CONF Kiev(Neutron Physics) Proc,Part3,P245,Zenevich

Keyword abstract: NUCLEAR REACTIONS ^{238}U , $^{239}\text{Pu}(n,\gamma)$, $E=0.1-3$ MeV; calculated $\sigma(E)$.

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: 1980KOYP

Coden: CONF Kiev(Neutron Physics) Proc,Part2,P280,Kononov

Keyword abstract: NUCLEAR REACTIONS ^{197}Au , $^{238}\text{U}(n,\gamma)$, $E=15-480$ keV; measured $\sigma(E)$.

Keynumber: 1980DA16

Reference: At.Energ. 48, 87 (1980); Sov.At.Energy 48 97 (1980)

Authors: A.N.Davletshin, S.V.Tikhonov, A.O.Tipunkov, V.A.Tolstikov

Title: Measurements of the Cross Sections for Radiative Capture of Neutrons by ^{238}U and ^{197}Au Relative to the Cross Section for the Elastic Scattering of Neutrons by Protons.

Keyword abstract: NUCLEAR REACTIONS ^{238}U , $^{197}\text{Au}(n,\gamma)$, $E=597-1400$ keV; measured $\sigma(E)$.

Keynumber: 1980BO02

Reference: Phys.Rev. C21, 58 (1980)

Authors: C.D.Bowman, R.A.Schrack

Title: Influence of Vibrations of Gas Molecules on Neutron Reaction Cross Sections

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$, $E=6.67$ eV; measured σ ; deduced effect of molecular vibrations. U_3O_8 solid, UF_6 gas targets.

Keynumber: 1980BE54

Reference: At.Energ. 49, 239 (1980); Sov.At.Energy 49, 690 (1981)

Authors: V.M.Bezotosnyi, V.M.Gorbachev, M.S.Shvetsov, L.M.Surov

Title: Group and Total Cross Sections of Formation of γ -Ray Quanta upon the Interaction of 14-MeV Neutrons with Various Nuclei

Keyword abstract: NUCLEAR REACTIONS Cu, 235 , 238 U, 239 Pu(n, γ),E=14 MeV; measured total σ (E); deduced dependence on mass number.

Keynumber: 1980ANYU

Coden: CONF Gaussig,P141,Antsipov,ZFK-410

Keyword abstract: NUCLEAR REACTIONS 238 U, 242 Pu(n, γ),E <5 MeV; calculated σ (E). Statistical model.

Keynumber: 1979PE09

Reference: Phys.Rev. C20, 528 (1979)

Authors: R.B.Perez, G.de Saussure, R.L.Macklin, J.Halperin

Title: Statistical Tests for the Detection of Intermediate Structure: Application to the Structure of the 238 U Neutron Capture Cross Section between 5 keV and 0.1 MeV

Keyword abstract: NUCLEAR REACTIONS 238 U(n, γ),E=5 keV-0.1 MeV; measured σ (E). 239 U deduced resonance,parameters,doorway states. Monte Carlo,statistical methods.

Keynumber: 1979MAZJ

Reference: Bull.Am.Phys.Soc. 24, No.7, 883, FC11 (1979)

Authors: H.Matsunobu, Y.Kanda, M.Kawai, T.Murata, Y.Kikuchi

Title: Simultaneous Evaluation of Nuclear Data for Heavy Nuclides

Keyword abstract: NUCLEAR REACTIONS 235 , 238 U, 239 , 240 , 241 Pu(n,X), (n, γ), (n,n'), (n,F),E=100 eV-20 MeV; evaluated σ ; deduced optical model parameters. Optical, statistical model analysis.

Keynumber: 1979HA54

Reference: Nucl.Sci.Eng. 72, 35 (1979)

Authors: L.F.Hansen, C.Wong, T.T.Komoto, B.A.Pohl, E.Goldberg, R.J.Howerton, W.M.Webster

Title: Neutron and Gamma-Ray Spectra from 232 Th, 235 U, 238 U, and 239 Pu after Bombardment with 14-MeV Neutrons

Keyword abstract: NUCLEAR REACTIONS 232 Th, 235 , 238 U, 239 Pu(n,n), (n, γ),E=14 MeV; measured σ (En,E γ). Leakage spectra from pulsed spheres,tof,electron recoil technique.

Keynumber: 1979FAZS

Reference: Bull.Am.Phys.Soc. 24, No.7, 872, DB2 (1979)

Authors: L.R.Fawcett, Jr., W.P.Poenitz, D.L.Smith

Title: Measurements of the Fast Neutron Capture Cross Section of 238 U Relative to 235 U(n,f)

Keyword abstract: NUCLEAR REACTIONS 238 U(n, γ),E=30 keV-3 MeV; measured σ relative to σ (fission) in 235 U. Activation technique.

Keynumber: 1979BR25

Reference: Nucl.Instrum.Methods 166, 243 (1979)

Authors: F.Braumandl, K.Schreckenbach, T.von Egidy

Title: Precision Measurements of Neutron Binding Energies of 28 Al, 92 Zr, 114 Cd, 165 Dy, 168 Er, 200 Hg and 239 U

Keyword abstract: NUCLEAR REACTIONS 27 Al, 91 Zr, 113 Cd, 164 Dy, 167 Er, 199 Hg, 238 U (n, γ),E=reactor; measured E γ ,I(ce). 28 Al, 92 Zr, 114 Cd, 165 Dy, 168 Er, 200 Hg, 239 U deduced B(n). Bent crystal Gams,pair, β -spectrometers.

Keynumber: 1978ZA10

Reference: Yad.Fiz. 27, 1534 (1978); Sov.J.Nucl.Phys. 27, 808 (1978)

Authors: D.F.Zaretskii, V.K.Sirotkin

Title: Total Radiative Widths of Neutron Resonances

Keyword abstract: NUCLEAR REACTIONS ^{35}Cl , ^{55}Mn , ^{68}Zn , ^{78}Se , ^{88}Sr , ^{96}Mo , ^{107}Ag , ^{116}Sn , ^{129}I , ^{143}Nd , ^{149}Sm , ^{161}Dy , ^{169}Tm , ^{179}Hf , ^{191}Ir , ^{199}Hg , ^{203}Tl , ^{235}U , ^{238}U , $^{243}\text{Am}(n,\gamma)$; calculated total Γ_γ assuming dipole transitions.

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: 1978WI03

Reference: Nucl.Sci.Eng. 66, 363 (1978)

Authors: K.Wisshak, F.Kappeler

Title: Neutron Capture Cross-Section Ratios of ^{240}Pu , ^{242}Pu , ^{238}U , and ^{197}Au In the Energy Range from 10 to 90 keV

Keyword abstract: NUCLEAR REACTIONS ^{240}Pu , ^{242}Pu , ^{238}U , $^{197}\text{Au}(n,\gamma)$, $E=10-90$ keV; measured σ (E).

Keynumber: 1978ROZE

Coden: CONF BNL(Neutron Capt γ -Ray Spectr),Contrib,No67,Rohr

Keyword abstract: NUCLEAR REACTIONS ^{98}Mo , $^{238}\text{U}(n,\gamma)$; calculated total neutron Γ_γ ; deduced level density, γ -strength functions. Statistical model.

Keynumber: 1978ROYR

Coden: CONF Brookhaven(Neutron Capt γ -Ray Spectr),Proc,P736,Rohr

Keyword abstract: NUCLEAR REACTIONS ^{238}U , $^{98}\text{Mo}(n,\gamma)$, E not given; calculated total Γ_γ . Statistical model.

Keynumber: 1978PR09

Reference: At.Energ. 45, 230 (1978); Sov.At.Energy 45, 923 (1979)

Authors: V.S.Prokopenko, V.Y.Gabeskiriya, A.V.Inchagov, Y.B.Novikov, V.M.Prokopev, V.V.Tikhomirov, A.P.Chetverikov

Title: Measurement of α Values of ^{235}U , ^{238}U , and ^{239}U in Active Zone of BOR-60 Reactor

Keyword abstract: NUCLEAR REACTIONS ^{235}U , ^{238}U , $^{239}\text{Pu}(n,\gamma)$, (n,F) , E =fast reactor spectrum; measured capture to fission σ ratio.

Keynumber: 1978KI10

Reference: Nucl.Phys. A307, 1 (1978)

Authors: H.Kitazawa, T.Hayase, N.Yamamuro

Title: Direct and Collective Captures of Energetic Neutrons by Ellipsoidally Deformed Nuclei

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$, $E=5-20$ MeV; calculated $\sigma(E)$.

Keynumber: 1978CHZU

Reference: Bull.Am.Phys.Soc. 23, No.1, 92, JE15 (1978)

Authors: R.E.Chrien, M.L.Stelts, H.I.Liou

Title: Levels in ^{239}U by Average Resonance Capture

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma), E=2,24.3$ keV; measured γ -spectra. ^{239}U deduced levels, K, J, π .

Keynumber: 1978BO12

Reference: Z.Phys. A286, 31 (1978)

Authors: H.G.Borner, H.R.Koch, H.Seyfarth, T.von Egidy, W.Mampe, J.A.Pinston, K.Schreckenbach, D.Heck

Title: Study of the Level Structure of ^{239}U Using the Thermal Neutron Capture Reaction

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma), E=\text{th}$; measured $E\gamma, I\gamma, \gamma\gamma$ -coin, I(ce). ^{239}U deduced levels, J, π, λ .

Keynumber: 1977KOYR

Coden: REPT INDC(SEC)-62/L,P143,Kopecky

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$; measured $E\gamma, I\gamma, \gamma\gamma$ -coin. ^{239}U deduced levels. ^{238}U (polarized n, γ); measured CP γ . ^{239}U levels deduced J, π .

Keynumber: 1977COYR

Coden: REPT NEANDC(E)-192U, Vol3, P27, Cornelis

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,X), (n,\gamma), E=1880-2010$ eV; measured $\sigma(E)$. ^{239}U deduced neutron-resonance parameters.

Keynumber: 1977CHZY

Reference: Bull.Am.Phys. 22, No.1, 55, DH11 (1977)

Authors: R.E.Chrien, H.I.Liou, M.L.Stelts, J.Kopecky, S.Malik

Title: The Level Structure of ^{239}U from (n, γ) Experiments

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma), E < 2$ keV; ^{238}U (polarized n, γ), $E=\text{th}$; measured $E\gamma, I\gamma, \gamma\gamma$ -coin, CP. ^{239}U deduced levels, K, J, π .

Keynumber: 1977BOYV

Coden: JOUR VDPEA No6/1977,991,A10-8,Borner

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma), E=\text{th}$; measured γ, ce spectra. ^{239}U deduced levels, K, J, π .

Keynumber: 1977BOYJ

Coden: CONF Tokyo (Nucl Structure), Proc, Vol1, P464, Borner

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$; measured γ, ce -spectra. ^{239}U deduced levels, K, J, π .

Keynumber: 1977BOYF

Coden: REPT KFA-IKP-10/77, P54, Borner

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$; measured $E\gamma, I\gamma, \gamma\gamma$ -coin. ^{239}U deduced levels, J, π .

Keynumber: 1976LIZU

Coden: REPT BNL-21696, H I Liou

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma),E=\text{epithermal}$; measured $\sigma(E,E\gamma)$. ^{239}U levels deduced J, π .

Keynumber: 1976KOYW

Coden: CONF Lowell(Interactions of Neutrons),CONF-760715-P2,Vol2 P1299

Keyword abstract: NUCLEAR REACTIONS ^{99}Tc , $^{238}\text{U}(n,\gamma),E=\text{th}$; measured γ,ce spectra. ^{100}Tc , ^{239}U deduced levels.

Keynumber: 1976BOYH

Reference: Thesis, Univ.Munchen (1976)

Authors: H.Borner

Title: Bestimmung des Termschemas von ^{239}U durch Hochgenaue Messung von Spektren nach dem Einsang Thermische Neutronen

Keyword abstract: NUCLEAR REACTIONS ^{238}U , ^{238}Np , $^{238}\text{Pu}(n,\gamma)$; measured $\sigma(E\gamma),I\gamma,I(\text{ce}),\gamma\gamma\text{-coin}$. ^{239}Np , ^{239}Pu deduced transitions. ^{239}U deduced levels,K,J, π,λ,ICC .

Keynumber: 1976BOYD

Coden: REPT KFA 1975 Ann,P99,Borner

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$; measured $E\gamma,I\gamma,\gamma\gamma\text{-coin},I(\text{ce})$. ^{239}U deduced levels,K,J, π .

Keynumber: 1975YOZW

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

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

Keynumber: 1975YAZX

Coden: JOUR BAPSA 20 168 HB22

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

Keynumber: 1975WEZC

Coden: CONF Petten(Neutron Capture γ -ray Spect),Proc P673

Keyword abstract: NUCLEAR REACTIONS ^{237}Np , $^{238}\text{U}(n,\gamma)$; measured gross γ spectra; deduced fission enhancement.

Keynumber: 1975WEZA

Reference: Proc.Int.Symp.Neutron Capture Gamma Ray Spectroscopy and Related Topics, 2nd, Petten, The Netherlands, K.Abrahams, F.Stecher-Rasmussen, P.Van Assche, Eds., Reactor Centrum Nederland, p.749 (1975)

Authors: C.Weitkamp, P.Matussek, H.Ottmar

Title: Nondestructive Nuclear Fuel Assay by Neutron Capture Gamma-Ray Spectrometry

Keyword abstract: NUCLEAR REACTIONS $^{235},^{238}\text{U}$, $^{238},^{239},^{240},^{241}\text{Pu}(n,\gamma),E=\text{th}$; ^{235}U , $^{239}\text{Pu}(n,\gamma),E=2\text{ keV}$; measured $E\gamma,I\gamma$. $^{236},^{239}\text{U}$, $^{239},^{240},^{241},^{242}\text{Pu}$ deduced transitions.

Keynumber: 1975SPZZ

Coden: JOUR BAPSA 20 161 GB21

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma),E=20\text{-}550\text{ keV}$; measured σ,shape .

Keynumber: 1975RIZW

Coden: JOUR BAPSA 20 173 IB18

Keyword abstract: NUCLEAR REACTIONS ^{197}Au , $^{238}\text{U}(n,\gamma)$, $E=24.5$ keV; measured $\sigma(E\gamma)$.

Keynumber: 1975RIZV

Coden: REPT ERDA/NDC-2, p40, Rimawi

Keyword abstract: NUCLEAR REACTIONS ^{127}I , ^{197}Au , ^{238}U , $^{115}\text{In}(n,\gamma)$, $E=24.3$ keV; measured σ .

Keynumber: 1975POZX

Coden: REPT ERDA/NDC-2, p11, Poenitz

Keyword abstract: NUCLEAR REACTIONS ^{197}Au , $^{238}\text{U}(n,\gamma)$, $E=\text{fast}$; measured σ , relative σ .

Keynumber: 1975PEZX

Coden: JOUR BAPSA 20 161 GB22

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$; calculated σ .

Keynumber: 1975PA12

Reference: At.Energ. 39, 17 (1975); Sov.At.Energy 39, 591 (1976)

Authors: Y.G.Panitkin, L.E.Sherman

Title: Absolute Determination of the Radiative-Capture Cross Section for 30-keV Neutrons in ^{238}U

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$, $E=30$ keV; measured absolute σ ; deduced $\sigma(E)$, $E=24-20000$ keV.

Keynumber: 1975NAZY

Coden: JOUR BAPSA 20 165 HB4

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$, $E=12$ eV-30 keV; measured σ . ^{239}U deduced resonance parameters.

Keynumber: 1975MEZX

Coden: JOUR BAPSA 20 165 HB5

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$, (n,n) ; analyzed data. ^{239}U deduced correlation widths.

Keynumber: 1975COZW

Coden: JOUR BAPSA 20 165 HB3

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$, $E=10-1800$ eV; measured $\sigma(E,E\gamma)$. ^{239}U resonances deduced n-width, p-wave strength.

Keynumber: 1975CHYS

Coden: JOUR BAPSA 20 1155 AB9

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$; measured $E\gamma$, $I\gamma$. ^{239}U deduced transitions.

Keynumber: 1975BOZF

Reference: KFA/IKP-10/75, p.133 (1975)

Authors: H.Borner, W.F.Davidson, Do Huu Phuoc, P.Gottel, D.Heck, H.R.Koch, J.A.Pinston, R.Roussille, P.Van Assche

Title: Measurements with the Curved Crystal Spectrometers at the Grenoble High-Flux Reactor

Keyword abstract: NUCLEAR REACTIONS 146 , ^{148}Nd , ^{99}Tc , $^{238}\text{U}(n,\gamma)$, $E=\text{thermal}$; measured

E γ ,I γ , $\gamma\gamma$ -coin. ¹⁴⁷, ¹⁴⁹Nd, ¹⁰⁰Tc, ²³⁹U deduced levels.

Keynumber: 1974YAZN

Coden: PREPRINT S W Yates,11/5/74

Keyword abstract: RADIOACTIVITY ²⁴³, ²⁴⁵Bk; measured E γ ,I γ , $\gamma\gamma$ (t),XX-coin,I(ce); deduced ICC. ²⁴³, ²⁴⁵Cm transitions deduced T_{1/2},B(E2).

Keyword abstract: NUCLEAR REACTIONS ²³⁸U(n, γ),E=12 MeV; ²⁴²Pu(d,p γ), (d,t γ),E=16 MeV; measured E γ ,I γ , γ (t). ²³⁹U, ²⁴¹, ²⁴³Pu transitions deduced T_{1/2},B(E2).

Keynumber: 1974WEZG

Coden: CONF Petten(Neutron Capture Gamma Ray Spectroscopy),P403

Keyword abstract: NUCLEAR REACTIONS ²³⁷Np, ²³⁸U(n, γ); measured σ (E,E γ). ²³⁸Np, ²³⁹U deduced no doorway state.

Keynumber: 1974WAZG

Coden: REPT USNDC-11 P169

Keyword abstract: NUCLEAR REACTIONS ²³⁸U(n, γ),E=720 eV; measured E γ ,I γ . ²³⁹U deduced no transitions in second well.

Keynumber: 1974SO16

Reference: Ann.Nucl.Sci.Eng. 1, 409 (1974)

Authors: M.G.Sowerby, B.H.Patrick, D.S.Mather

Title: A Simultaneous Evaluation of the Fission Cross-Sections of U-235, Pu-239 and U-238 and the Capture Cross-Section of U-238 in the Energy Range 100 eV to 20 MeV

Keyword abstract: NUCLEAR REACTIONS ²³⁵, ²³⁸U, ²³⁹Pu(n,F), ²³⁸U(n, γ),E=100 eV-20 MeV; calculated nothing,evaluated σ .

Keynumber: 1974DEYF

Coden: REPT CONF-740526-2,mf

Keyword abstract: NUCLEAR REACTIONS ²³⁸U(n, γ),E=5 eV-100 keV; measured σ (E,E γ), $\gamma\gamma$ -coin.

Keynumber: 1974ARZE

Coden: REPT USNDC-11 P151

Keyword abstract: NUCLEAR REACTIONS ⁸⁹Y, ⁹⁰Zr, ¹⁶⁵Ho, ²⁰⁷Pb, ²³⁸U(n, γ),E=14 MeV; measured σ (E γ , θ).

Keynumber: 1973YU04

Reference: At.Energ. 35, 47 (1973); Sov.At.Energy 35, 661 (1974)

Authors: L.N.Yurova, A.V.Bushuev, V.M.Duvanov, A.F.Kozhin, A.M.Sirotkin

Title: Heterogeneous Effects of Sodium and U²³⁸ and of Certain Cross Section Ratios in a BFS-22

Keyword abstract: NUCLEAR REACTIONS ²³Na, ²³⁸U(n, γ), ²³⁵, ²³⁸U(n,F),E=reactor spectrum; measured σ -ratios.

Keynumber: 1973WAYR

Coden: JOUR BAPSA 18 1403 CE11

Keyword abstract: NUCLEAR REACTIONS ²³⁸U(n, γ); measured E γ ,I γ . ²³⁹U deduced transitions.

Keynumber: 1973VAYO

Coden: REPT INDC(SEC)-36/L P29

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$; measured σ .

Keynumber: 1973TA21

Reference: Nucl.Sci.Eng. 51, 296 (1973)

Authors: H.Takahashi

Title: Gamma-Ray Production Cross Sections of Neutron-Induced Uranium-238 Reactions

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,xn'\gamma)$, (n,γ) , $E=2-20$ MeV; $^{235}\text{U}(n,F)$, $E=\text{thermal}$; calculated gross γ -ray yields.

Keynumber: 1973RYZW

Coden: REPT UKNDC(73)-P53 54

Keyword abstract: NUCLEAR REACTIONS ^{115}In , $^{238}\text{U}(n,\gamma)$; measured $\sigma(E)$.

Keynumber: 1973RY04

Reference: J.Nucl.Energy 27, 519 (1973)

Authors: T.B.Ryves, J.B.Hunt, J.C.Robertson

Title: Neutron Capture Cross-Section Measurements for ^{238}U and ^{115}In between 150 and 630 keV

Keyword abstract: NUCLEAR REACTIONS ^{115}In , $^{238}\text{U}(n,\gamma)$, $E=150-630$ keV; measured $\sigma(E)$.

Keynumber: 1973RIYT

Coden: REPT EANDC(US)-186'U' P52

Keyword abstract: NUCLEAR REACTIONS ^{59}Co , ^{238}U , $^{135}\text{Ba}(n,\gamma)$, $E=24$ keV; measured $E\gamma$. ^{60}Co , ^{239}U , ^{136}Ba deduced transitions.

Keynumber: 1973RAZK

Coden: REPT EANDC(US)-179/U

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$; measured nothing. Analyzed γ -width.

Keynumber: 1973PEYZ

Coden: REPT UKNDC(73)-P53 4

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,F)$, $^{238}\text{U}(n,\gamma)$; measured $\sigma(E)$.

Keynumber: 1973MCZG

Coden: CONF Asilomar(Photonuclear Reactions), Vol2 P951

Keyword abstract: NUCLEAR REACTIONS ^{165}Ho , $^{238}\text{U}(n,\gamma)$; measured $\sigma(E)$, $I\gamma$. ^{166}Ho , ^{239}U deduced transitions.

Keynumber: 1973DEYT

Coden: REPT ORNL-TM-4059,G de Saussure,3/20/73

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$, $E < 100$ keV; measured $\sigma(E)$. ^{239}U deduced resonance parameters.

Keynumber: 1973DE47

Reference: Nucl.Sci.Eng. 51, 385 (1973)

Authors: G.de Saussure, E.G.Silver, R.B.Perez, R.Ingle, H.Weaver

Title: Measurement of the Uranium-238 Capture Cross Section for Incident Neutron Energies up to 100

keV

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma), E=0.005-100\text{ keV}$; measured $\sigma(E)$.

Keynumber: 1972STZB

Coden: REPT INDC(CCP)-31/U P7

Keyword abstract: NUCLEAR REACTIONS Ag, ^{197}Au , ^{232}Th , $^{238}\text{U}(n,\gamma), E < 50\text{ keV}$; measured $\sigma(E)$.

Keynumber: 1972RA41

Reference: Phys.Rev. C6, 1854 (1972)

Authors: F.Rahn, H.S.Camarda, G.Hacken, W.W.Havens,Jr., H.I.Liou, J.Rainwater, M.Slagowitz, S.Wynchank

Title: Neutron Resonance Spectroscopy. X. ^{232}Th and ^{238}U

Keyword abstract: NUCLEAR REACTIONS ^{232}Th , $^{238}\text{U}(n,X), (n,\gamma), E < 5\text{ keV}$; measured transmission, $\sigma(E;E\gamma)$. ^{233}Th , ^{239}U deduced resonances,level-width,strength functions.

Keynumber: 1972PAYQ

Coden: CONF Kiev(Neutron Physics),CONF-710565-P1,P321

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$; measured σ .

Keynumber: 1972PA39

Reference: At.Energ. 33, 825 (1972); Sov.At.Energy 33, 945 (1973)

Authors: Y.G.Panitkin, V.A.Tolstikov

Title: U^{238} Radiative Capture Cross Section for 5 to 20 MeV Neutrons

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma), E=5-20\text{ MeV}$; measured $\sigma(E)$.

Keynumber: 1972PA37

Reference: At.Energ. 33, 782 (1972); Sov.At.Energy 33, 893 (1973)

Authors: Y.G.Panitkin, V.A.Tolstikov

Title: Radiative Capture of Neutrons by U^{238} in the 1.2-4.0 MeV Range

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma); E=1.2-4\text{ MeV}$; measured σ .

Keynumber: 1972IVZY

Coden: CONF Kiev(Neutron Physics),CONF-710565-P1,P325

Keyword abstract: NUCLEAR REACTIONS ^{232}Th , ^{237}Np , ^{238}U , ^{241}Am , $^{243}\text{Am}(n,\gamma)$; measured σ .
 ^{232}Th , $^{237}\text{Np}(n,2n)$; measured σ .

Keynumber: 1972DUZY

Coden: JOUR TANSU 15 No1 P475,C Durston,7/3/72

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,X), (n,\gamma)$; evaluated, analyzed data. ^{239}U deduced resonance parameters.

Keynumber: 1972CH17

Reference: Nucl.Instrum.Methods 100, 301 (1972)

Authors: R.Chawla, C.B.Besant

Title: Determination of ^{238}U Capture Rates in Mixed-Oxide Fast Reactor Lattices

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma), E=\text{fast reactor spectrum}$; measured capture rate.

Keynumber: 1972BOYR

Coden: REPT ISN Grenoble 1972 Annual P138

Keyword abstract: NUCLEAR REACTIONS ^{160}Gd , $^{238}\text{U}(\text{n},\gamma)$; calculated σ .

Keynumber: 1972BO46

Reference: Phys.Rev. C6, 1322 (1972)

Authors: L.M.Bollinger, G.E.Thomas

Title: $^{238}\text{U}(\text{n},\gamma)^{239}\text{U}$ and States of ^{239}U

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(\text{n},\gamma)$, E=thermal, resonance; measured $E\gamma, I\gamma$; deduced Q. ^{239}U deduced levels, J, π , γ -branching. Ge(Li) detector.

Keynumber: 1972BO23

Reference: Nucl.Phys. A189, 334 (1972)

Authors: J.P.Boisson, S.Jang

Title: Direct and Semi-Direct Radiative Capture of Nucleons in Deformed Nuclei

Keyword abstract: NUCLEAR REACTIONS ^{160}Gd , ^{159}Tb , ^{208}Pb , $^{238}\text{U}(\text{n},\gamma)$, E=14 MeV; calculated σ ($E\gamma$).

Keynumber: 1972ABZT

Coden: CONF Kiev(Neutron Physics), CONF-710565-P2, P170

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(\text{n},\gamma)$; reevaluated σ data.

Keynumber: 1971YU04

Reference: At.Energ. 31, 628 (1971); Sov.At.Energy 31, 1418 (1972)

Authors: L.N.Yurova, A.V.Bushuev, V.G.Bortsov, V.M.Duvanov, A.F.Kozhin

Title: Reduction of Systematic Errors in Measurement of Ratio $\delta(c)^{238}/\delta(f)^{235}$

Keyword abstract: NUCLEAR REACTIONS 235 , $^{238}\text{U}(\text{n},\gamma)$, (n,F), E=thermal; measured σ ratio.

Keynumber: 1971WAZR

Coden: REPT BNL-15668, O. A. Wasson+ Preprint

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(\text{n},\gamma)$, E <600 eV; measured $E\gamma, I\gamma$; deduced Q. ^{239}U deduced resonances, level-width, γ -multipolarity.

Keynumber: 1971WA12

Reference: Phys.Rev. C4, 900 (1971)

Authors: O.A.Wasson, R.E.Chrien, G.G.Slaughter, J.A.Harvey

Title: Distribution of Partial Radiation Widths in $^{238}\text{U}(\text{n},\gamma)^{239}\text{U}$

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(\text{n},\gamma)$, E <600 eV; measured $E\gamma, I\gamma$; deduced Q. ^{239}U deduced resonances, level-width.

Keynumber: 1971ST43

Reference: At.Energ. 31, 107 (1971); Sov.At.Energy 31, 814 (1972)

Authors: Y.Y.Stavisskii, V.A.Tolstikov, V.B.Chelnokov, A.E.Samsonov, A.A.Bergman

Title: Neutron Radiative Capture Cross Sections in Silver, Au^{197} , Th^{232} , and U^{238}

Keyword abstract: NUCLEAR REACTIONS Ag, ^{197}Au , ^{232}Th , $^{238}\text{U}(\text{n},\gamma)$, E <50 keV; measured $\sigma(E)$.

Keynumber: 1971SIZG

Coden: CONF CONF-710301(Knoxville), Vol2, P728, 11/2/71

Keyword abstract: RADIOACTIVITY ^{102}Rh , ^{134}La ; measured $\gamma(\theta)$. ^{102}Ru , ^{134}Ba deduced levels, J, π , γ -mixing.

Keyword abstract: NUCLEAR REACTIONS $^{235}, ^{238}\text{U}(n,\gamma)$, (n,F), E < 100 keV; measured $\sigma(E)$, $\alpha(E)$ for ^{235}U .

Keynumber: 1971SIYB

Coden: JOUR TANSAS 14 No2 P808, E G Silver, 7/3/72

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$, E < 1.2 keV; deduced averaged σ .

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

Keynumber: 1971MEZN

Coden: JOUR BAPSA 16 1181, M L Mehta, 10/29/71

Keyword abstract: NUCLEAR REACTIONS $^{166}, ^{168}, ^{170}\text{Er}$, $^{182}, ^{184}, ^{186}\text{W}$, ^{238}U , $^{232}\text{Th}(n,\gamma)$, analyzed available data; deduced widths, level spacings.

Keynumber: 1971HEZN

Coden: REPT ANL-7791, R R Heinrich, 11/8/71

Keyword abstract: NUCLEAR REACTIONS $^{233}, ^{235}, ^{238}\text{U}$, $^{239}, ^{240}, ^{242}\text{Pu}(n,\gamma)$, (n,F), E = reactor spectrum; measured σ , α vs position.

Keynumber: 1971HEYZ

Coden: REPT ANL-7791, R Heinrich, 10/11/72

Keyword abstract: NUCLEAR REACTIONS $^{233}, ^{235}, ^{238}\text{U}$, $^{239}, ^{240}, ^{242}\text{Pu}(n,\gamma)$, (n,F), measured σ , σ ratio vs position in EBR-2.

Keynumber: 1971FRZW

Coden: CONF CONF-710301 (Knoxville), Vol 1, P252, 11/2/71

Keyword abstract: NUCLEAR REACTIONS Mo, Rh, Gd, Ta, W, Re, Au, $^{238}\text{U}(n,\gamma)$, E = 1-1000 keV; measured $\sigma(E)$. ^{104}Rh , ^{182}Ta , ^{198}Au , ^{239}U deduced strength functions.

Keynumber: 1971DUZL

Coden: JOUR TANSAS 14 No2 P816, N D Dudley, 7/3/72

Keyword abstract: NUCLEAR REACTIONS $^{233}, ^{235}, ^{238}\text{U}$, $^{239}, ^{240}, ^{242}\text{Pu}(n,\gamma)$, (n,F), measured integral α .

Keynumber: 1971DR07

Reference: Phys. Lett. 36B, 557 (1971)

Authors: D. Drake, I. Bergqvist, D. K. McDaniels

Title: Dependence of 14 MeV Radiative Neutron Capture on Mass Number

Keyword abstract: NUCLEAR REACTIONS ^{165}Ho , ^{208}Pb , ^{238}U , Gd, Ta, Au, (n,γ) , E = 14 MeV; measured σ .

Keynumber: 1971CHXQ

Coden: REPT FEI-292,2/14/73

Keyword abstract: NUCLEAR REACTIONS 107 , ^{109}Ag , ^{197}Au , ^{232}Th , ^{238}U , ^{235}U , $^{239}\text{Pu}(n,\gamma)$, ^{235}U , $^{239}\text{Pu}(n,f)$, $E < 100$ keV; measured $\sigma(E)$, $\alpha(E)$.

Keynumber: 1971BR57

Reference: Acta Phys.Pol. B2, 489 (1971)

Authors: J.S.Brzosko, E.Gierlik, A.Soltan, Jr., Z.Szeflinski, Z.Wilhelmi

Title: Measurement of γ -Ray Spectra Accompanying Radiative Capture of Nucleons

Keyword abstract: NUCLEAR REACTIONS ^{115}In , ^{127}I , ^{133}Cs , ^{159}Tb , ^{165}Ho , ^{181}Ta , ^{197}Au , $^{238}\text{U}(n,\gamma)$, E approx 400 keV; measured $\sigma(E\gamma)$. ^{115}In , ^{181}Ta , $^{197}\text{Au}(n,\gamma)$, $E=0.03-1.4$ MeV; measured $\sigma(E;E\gamma)$. ^{115}In , ^{181}Ta , $^{197}\text{Au}(p,\gamma)$, E approx 4 MeV; measured $\sigma(E\gamma)$.

Keynumber: 1971BOZW

Coden: JOUR BAPSA 16 496

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$, E =thermal; measured $E\gamma$, $I\gamma$. ^{239}U deduced levels, J , π .

Keynumber: 1971BOZL

Coden: REPT ORNL-4691, R S Booth,9/10/71

Keyword abstract: NUCLEAR REACTIONS 235 , $^{238}\text{U}(n,f)$, (n,X) , (n,γ) , $E < 15$ MeV; measured $E\gamma$, $I\gamma$.

Keynumber: 1971BOZE

Coden: REPT BNL-50298,P13,10/21/71

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$, E =thermal,resonance; measured $E\gamma$, $I\gamma$. ^{239}U deduced levels, J , π .

Keynumber: 1971BOYZ

Reference: Bull.Amer.Phys.Soc. 16, No.4, 496, AH15 (1971); Priv.Comm. (September 1971)

Authors: L.M.Bollinger, G.E.Thomas

Title: Nuclear States of ^{239}U from $^{238}\text{U}(n,\gamma)^{239}\text{U}$

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$, E =thermal; measured $E\gamma$, $I\gamma$. ^{239}U deduced levels, J , π .

Keynumber: 1971BOYK

Coden: CONF Canterbury(Chem Nucl Data),P155,12/10/72

Keyword abstract: NUCLEAR REACTIONS 235 , ^{238}U , 239 , 240 , $^{241}\text{Pu}(n,\gamma)$, E =fast reactor spectrum; measured σ , α .

Keynumber: 1971ABZT

Coden: REPT FEI-259,10/30/72

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$, E =fast; analyzed, reevaluated σ .

Keynumber: 1970THZZ

Coden: REPT IAEA-CN-26/36

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$, $E < 350$ eV; measured $\sigma(E;E\gamma)$. ^{239}U deduced

isomeric state, approximate $T_{1/2}$.

Keynumber: 1970THZV

Reference: Proc.Int.Conf.Nucl.Data Reactors, 2nd, Helsinki, Int.At.Energy Agency, Vienna, Vol.I, p.373 (1970)

Authors: B.W.Thomas, J.Murray, E.R.Rae

Title: Observation of an Isomeric Level in ^{239}U by Means of the $^{238}\text{U}(n,\gamma)^{239}\text{U}$ Reaction

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$, $E < 350$ eV; measured $\sigma(E;E\gamma)$. $^{239}\text{m-U}$ deduced $T_{1/2}$.

Keynumber: 1970JO23

Reference: GA-10186 (1970)

Authors: J.John, V.J.Orphan

Title: Gamma Rays from Resonant Capture of Neutrons in ^{238}U

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$, $E=5$ eV-100 keV; measured $E\gamma, I\gamma$. ^{239}U deduced transitions.

Keynumber: 1970FRZV

Coden: REPT NASA-CR-72745,S J Friesenhahn,8/14/72

Keyword abstract: NUCLEAR REACTIONS Mo, Ta, $^{238}\text{U}(n,\gamma)$, $E=1-1000$ keV; measured $\sigma(E)$.

Keynumber: 1970EL03

Reference: Nucl.Phys. A148, 337 (1970)

Authors: A.J.Elwyn, A.T.G.Ferguson

Title: Short-Lived Fission Isomers from Neutron Studies

Keyword abstract: NUCLEAR REACTIONS $^{233}, ^{234}, ^{235}, ^{238}\text{U}, ^{239}\text{Pu}(n,\gamma)$, $E=0.55, 2.2$ MeV; measured σ for SF-isomer production; deduced isomeric σ ratios. $^{234}, ^{235}, ^{236}, ^{239}\text{U}, ^{240}\text{Pu}$ deduced SF-isomers, $T_{1/2}$.

Keynumber: 1970CHZQ

Coden: REPT NCSAC-33 P16

Keyword abstract: NUCLEAR REACTIONS $^{98}\text{Mo}, ^{111}\text{Cd}, ^{195}\text{Pt}, ^{238}\text{U}(n,\gamma)$, $E=\text{resonance}$; measured $I\gamma$. $^{99}\text{Mo}, ^{112}\text{Cd}, ^{196}\text{Pt}, ^{239}\text{U}$ deduced transition strengths.

Keynumber: 1969VO17

Reference: Yadern.Fiz. 9, 303 (1969); Soviet J.Nucl.Phys. 9, 179 (1969)

Authors: P.E.Vorotnikov

Title: Excitation-Energy Dependence of the Level Densities of Heavy Nuclei

Keyword abstract: NUCLEAR REACTIONS $^{229}, ^{232}\text{Th}, ^{231}, ^{233}\text{Pa}, ^{232}, ^{233}, ^{234}, ^{235}, ^{236}, ^{238}\text{U}, ^{237}\text{Np}, ^{238}, ^{239}, ^{240}, ^{241}\text{Pu}, ^{241}, ^{242}, ^{243}\text{Am}, ^{244}\text{Cm}(n,X), (n,\gamma)$, $E < 500$ eV; calculated dependence of level density on excitation energy.

Keynumber: 1969THZY

Reference: AERE-PR/NP-16, p.17 (1969)

Authors: B.W.Thomas, J.Murray, E.R.Rae, P.Riehs

Title: Partial Radiation Widths for Neutron Resonance Capture by ^{238}U

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$, $E < 350$ eV; measured $\sigma(E;E\gamma)$. ^{239}U

resonances deduced level-width.

Keynumber: 1969IN01

Reference: Nucl.Phys. A124, 130(1969)

Authors: J.S.Ingley

Title: Nuclear Explosion Experiments to Determine Nuclear Properties of Heavy Isotopes

Keyword abstract: NUCLEAR REACTIONS ^{238}U , $^{242}\text{Pu}(n,\gamma)$, E approx 20 keV; measured heavy-element yields for $242 < A < 257$ from multiple neutron capture. 242 , 243 , 244 , 245 , 246 , 247 , 248 , ^{249}U , 243 , 245 , 247 , 249 , 251 , $^{253}\text{Pu}(n,\gamma)$, (n,F), E approx 20 keV; deduced σ .

Keynumber: 1969HU21

Reference: J.Nucl.Energy 23, 705 (1969)

Authors: J.B.Hunt, J.C.Robertson, T.B.Ryves

Title: A Measurement of the Thermal Neutron Radiative Capture Cross Section of ^{238}U

Keyword abstract: RADIOACTIVITY ^{239}U ; measured $T_{1/2}$.

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$, E=thermal; measured σ .

Keynumber: 1969BR36

Reference: J.Nucl.Energy 23, 379 (1969)

Authors: A.M.Bresesti, M.Bresesti, H.Neumann

Title: A Method for Absolute Determination of ^{238}U Capture Rates

Keyword abstract: RADIOACTIVITY ^{239}Np ; measured absolute activity.

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$, E=th; measured absolute capture rates.

Keynumber: 1968PR13

Reference: Nucl.Phys. A121, 630 (1968)

Authors: D.L.Price, R.E.Chrien, O.A.Wasson, M.R.Bhat, M.Beer, M.A.Lone, R.Graves

Title: Neutron Capture in ^{238}U

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$, E=0.002-120 eV; measured $\sigma(E; E\gamma)$. ^{239}U deduced levels, J, γ -width, relative sign of square root(n-width, γ -width). Enriched target.

Keynumber: 1966AS09

Reference: Nucl.Phys. 85, 305(1966)

Authors: M.Asghar, C.M.Chaffey, M.C.Moxon

Title: Low-Energy Neutron Resonance Parameters of ^{238}U

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$, (n,n), E = 5 to 1000 eV; measured $\sigma(n\gamma)(E)$, $\sigma(nn)(E)$. ^{239}U deduced resonance parameters.

Keynumber: 1965DO12

Reference: Phys.Rev.Letters 14, 440 (1965)

Authors: D.W.Dorn, R.W.Hoff

Title: Spontaneous Fission in Very Neutron-Rich Isotopes

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$, E = thermonuclear explosion spectrum; measured mass-yield curves; deduced $T_{1/2}$ for SF-isomers.

Keynumber: 1965BE22

Reference: Nucl.Phys. 74, 15 (1965)

Authors: I.Bergqvist

Title: Fast Neutron Capture Gamma-Ray Spectrum from $^{238}\text{U}(n,\gamma)^{239}\text{U}$

Keyword abstract: NUCLEAR REACTIONS $^{238}\text{U}(n,\gamma)$, $E = 27\text{-}40$ keV; measured $\sigma(E\gamma)$. Natural target.
