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121 reference(s) found :

Keynumber: 2001GRZX

Reference: INDC(CCP)-430, p.7 (2001)

Authors: Yu.V.Grigoriev, V.V.Sinitisa, S.B.Borzakov, G.L.Ilchev, H.Faikov-Stanczyk, Ts.Ts.Pantelev, N.B.Yaneva

Title: Study of Neutron Cross-Sections and the $\alpha = \sigma\gamma/\sigma_f$ Value for U-235 in the 1meV-2 eV Energy Range

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma)$, (n,F) , $E < 2$ eV; measured $E\gamma, I\gamma$; deduced ratio of capture to fission σ . Comparisons with previous results.

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) , $E=\text{low}$; calculated Westcott g-factors vs temperature.

Keynumber: 1999CAZV

Reference: INDC(CPR)-048/L, p.16 (1999)

Authors: C.Cai, Q.Shen, B.Yu

Title: Calculations of Complete Data for $n + ^{235}\text{U}$ in the Energy Region 0.001 ϑ 20 MeV

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,n)$, (n,n') , (n,F) , (n,γ) , $(n,2n)$, $E=0.001-20$ MeV; calculated σ , elastic scattering $\sigma(\theta)$, neutron energy distributions following inelastic scattering, fission, 2-neutron evaporation. coupled-channel calculations. Comparison to data.

Keynumber: 1999BOZS

Reference: Proc.7th Intern.Seminar on Int.of Neutrons with Nuclei, Dubna, p.158 (1999)

Authors: S.B.Borzakov, H.Faikow-Stanczyk, Ts.Ts.Pantelev, L.Panteleva, Yu.V.Grigoriev, L.M.Smotritsky

Title: Study of the Gamma-Ray Spectra from Thermal Neutron Radiative Capture by Sn-117 and U-235

Keyword abstract: NUCLEAR REACTIONS ^{117}Sn , $^{235}\text{U}(n,\gamma)$, (n,F) , $E=\text{thermal}$; measured $E\gamma, I\gamma$; deduced ratio of capture vs fission σ .

Keynumber: 1989MO21

Reference: Nucl.Phys. A502, 443c (1989)

Authors: M.S.Moore, L.C.Leal, G.de Saussure, R.B.Perez, N.M.Larson

Title: Resonance Structure in the Fission of $(^{235}\text{U} + n)$

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,F)$, (n,γ) , (n,n) , $E=\text{low, resonance}$; analyzed data. R-matrix, Pattenden-Postma constraints.

Keynumber: 1989DE37

Reference: Nucl.Sci.Eng. 103, 109 (1989)

Authors: G.de Saussure, L.C.Leal, R.B.Perez, N.M.Larson, M.S.Moore

Title: A New Resonance Region Evaluation of Neutron Cross Sections for ^{235}U

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,F)$, (n,γ) , $E \leq 110$ eV; calculated fission, capture σ (E).

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: 1988BA73

Reference: Yad.Fiz. 48, 940 (1988)

Authors: A.L.Barabanov, D.P.Grechukhin

Title: Simultaneous Measurement in Polarization Experiment of the Resonance Spin and of K Distribution in this Resonance by Prompt-Fission-Neutron Yield

Keyword abstract: NUCLEAR REACTIONS ^{237}Np , 233 , $^{235}\text{U}(\text{polarized } n,\gamma)$, E not given; calculated prompt $\sigma(\theta_n)$ following fission. Polarized targets.

Keynumber: 1988AD11

Reference: At.Energ. 65, 434 (1988); Sov.At.Energy 65, 1022 (1988)

Authors: Yu.V.Adamchuk, M.A.Voskanyan, G.Georgiev, A.L.Kovtun, G.V.Muradyan, N.Stancheva, N.Chikov, N.Yaneva, Yu.G.Shchepkin

Title: Measuring of ^{235}U α Values at a Thermal Point

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma)$, (n,F) , $E=\text{thermal}$; measured capture γ -spectra, fission neutron spectra; deduced α -parameter.

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: 1987BEZS

Reference: JUL-Spez-403, p.45 (1987)

Authors: H.Bechteler, H.Faissner, H.Seyfarth, R.Yogeshwar

Title: Average E1, M1, E2 and M2 Mixture of the γ Radiation Emitted After Thermal Neutron Capture in ^{235}U

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma)$, $E=\text{thermal}$; analyzed data; deduced γ -multipolarity, admixture.

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

Keynumber: 1986GO34

Reference: At.Energ. 61, 456 (1986); Sov.At.Energy 61, 1061 (1986)

Authors: R.K.Goncharov, A.V.Zvonarev, V.I.Ivanov, Yu.A.Kazansky, B.V.Koloskov, M.N.Nikolaev, V.B.Pavlovich, B.A.Petrukhin, M.Yu.Semenov, N.V.Skorikov, E.Ya.Smetanin, A.M.Tsibulya, V.S.Shkolnik

Title: Comparison of ^{235}U and ^{239}Pu Alpha Values Obtained by Analysis of Irradiated BN-350 Reactor Fuel and by Calculation

Keyword abstract: NUCLEAR REACTIONS ^{235}U , ^{239}Pu (n, γ), (n,F), E=fast; measured capture, fission σ ratio. Comparison with theory.

Keynumber: 1985AD06

Reference: Nucl.Instrum.Methods 236, 105 (1985)

Authors: Yu.V.Adamchuk, A.L.Kovtun, G.V.Muradyan, Yu.G.Shchepkin, G.Georgiev, N.Kalinkova, E.Moravska, N.Stancheva, N.Tchikov, N.Janeva

Title: A Spectrometer for Measurement of the Neutron Capture Gamma Multiplicity at a Stationary Research Reactor

Keyword abstract: NUCLEAR REACTIONS ^{235}U (n, γ), (n,F), E=0.025 eV; measured capture to fission ratio, γ -multiplicity. 4 π geometry, multi-sectional NaI(Tl) scintillation detector.

Keynumber: 1984MO12

Reference: Phys.Rev. C30, 214 (1984)

Authors: M.S.Moore, L.Calabretta, F.Corvi, H.Weigmann

Title: Analysis of Intermediate Structure in the Fission and Capture Cross Sections of ($^{235}\text{U}+n$)

Keyword abstract: NUCLEAR REACTIONS ^{235}U (n,F), (n, γ), E=2-32 keV; analyzed fission to capture $\sigma(E)$ ratio; deduced intermediate structure role.

Keynumber: 1984GU10

Reference: Phys.Rev. C30, 395 (1984)

Authors: R.K.Gupta, D.R.Saroha

Title: Hypothesis of Unchanged Charge Density and the Fragmentation Theory of Nuclear Fission

Keyword abstract: NUCLEAR REACTIONS ^{235}U (n, γ), E=thermal; calculated fission fragment charge dispersion; deduced deviation from unchanged charge density hypothesis.

Keynumber: 1984ADZU

Reference: Proc.Conf.Neutron Physics, Kiev, Vol.2, p.137 (1984)

Authors: Yu.V.Adamchuk, M.A.Voskanyan, G.V.Muradyan, P.Yu.Simonov, Yu.G.Shchepkin

Title:

Keyword abstract: NUCLEAR REACTIONS ^{235}U (n, γ), (n,F), E=3.61, 4.85, 6.39, 7.08, 8.78, 9.28, 11.66, 12.39, 14.02, 15.4, 16.08, 18.05, 19.3, 21.07, 32.07 eV; ^{239}Pu (n, γ), (n,F), E=7.82, 10.93, 11.89, 14.31, 14.68, 17.66, 22.29, 26.24, 44.48, 52.6, 55.63, 57.44, 65.71, 74.05, 74.95, 106.6 eV; measured absolute capture, fission σ ratio. ToF technique, multiplicity spectrometric method.

Keynumber: 1984AD12

Reference: At.Energ. 57, 251 (1984); Sov.At.Energy 57, 705 (1984)

Authors: Yu.V.Adamchuk, M.A.Voskanyan, G.V.Muradyan, P.Yu.Simonov, Yu.G.Shchepkin

Title: Measurement of the α Value at ^{235}U Resonances

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma)$, (n,F) , $E=\text{resonance}$; measured fission to capture σ ratio. Activation technique, high precision multiplicity spectrometer.

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 $^{235}, ^{236}, ^{238}\text{U}$, $^{239}\text{Pu}(n,\gamma)$, $E \approx 0.001-10$ 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 $\sigma(E)$. $^{234}, ^{236}, ^{237}, ^{239}\text{U}$, $^{239}, ^{240}, ^{241}\text{Pu}$ deduced neutron binding energy, average level widths. Statistical, direct semi-direct models.

Keynumber: 1980MUZN

Coden: CONF Kiev(Neutron Physics) Proc, Part2, P119, Muradyan

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma)$, (n,F) , $E=0.1-30$ keV; measured absolute capture, fission $\sigma(E)$ ratio. Tof, multiplicity spectrometry method.

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 , $^{235}, ^{238}\text{U}$, $^{239}\text{Pu}(n,\gamma)$, $E=14$ MeV; measured total $\sigma(E)$; deduced dependence on mass number.

Keynumber: 1979MUZS

Reference: Bull.Am.Phys.Soc. 24, No.7, 876, EB6 (1979)

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

Title: The Measurement of Absolute Value α of U-235 within the Range of Neutron Energy of 0.1-30 keV

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma)$, (n,F) , $E=0.1-30$ keV; measured $\sigma(n,\gamma)/\sigma(n,F)$.

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 $^{235}, ^{238}\text{U}$, $^{239}, ^{240}, ^{241}\text{Pu}(n,X)$, (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 , $^{235}, ^{238}\text{U}$, $^{239}\text{Pu}(n,n)$, (n,γ) , $E=14$ MeV; measured

$\sigma(E_n, E_\gamma)$. Leakage spectra from pulsed spheres, tof, electron recoil technique.

Keynumber: 1979BE26

Reference: Phys.Rev. C20, 201 (1979)

Authors: H.Beer, F.Kappeler

Title: Capture-to-Fission Ratio of ^{235}U in the Neutron Range from 10 to 500 keV

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,F)$, (n,γ) , $E=10\text{-}500$ keV; measured ratio of σ ; deduced average level spacing, energy difference between first, second well of double-humped fission barrier. Enriched target, tof technique.

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 , ^{238}U , $^{243}\text{Am}(n,\gamma)$; calculated total Γ_γ assuming dipole transitions.

Keynumber: 1978SE14

Reference: Nucl.Sci.Eng. 67, 221 (1978)

Authors: M.Segev

Title: Improved Resonance Formulas for Cross Sections of Fissile Elements

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma)$, $E=0\text{-}1.2, 12\text{-}13.2$ eV; $^{239}\text{Pu}(n,\gamma)$, $E=0\text{-}6, 10\text{-}70$ eV; calculated σ . Adler-Adler formulas derived from R-matrix formalism, Reich-Moore-Adler-Adler conversion inaccuracies removed.

Keynumber: 1978PR09

Reference: At.Energ. 45, 230 (1978); Sov.At.Energ. 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 , ^{238}U , $^{239}\text{Pu}(n,\gamma)$, (n,F) , $E=\text{fast reactor spectrum}$; measured capture to fission σ ratio.

Keynumber: 1978KOZE

Coden: REPT INDC(CCP)-111/U,p31,Konshin

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,X)$, (n,γ) , (n,F) , (n,n') , $E=0.0001\text{-}15$ MeV; analyzed data; calculated total, fission, (n,γ) , (n,n') $\sigma, \sigma(\theta)$; deduced nuclear constants.

Keynumber: 1978KOZD

Coden: REPT INDC(CCP)-111/U,p33,Konshin

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma)$, (n,F) , $E < 140$ eV; analyzed σ data. ^{236}U deduced resonance parameters. Adler-Adler formalism.

Keynumber: 1978CLZU

Coden: CONF BNL(Neutron Capt γ -Ray Spectr),Contrib,No19,Clark

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma)$, $E=\text{th}$; measured $I_\gamma, I(\text{ce})$. ^{236}U levels deduced decay scheme of 4- isomer, anomalous ICC. Inner-shell vacancy detector.

Keynumber: 1978CLZR

Reference: Proc.Intern.Symp.Neutron Capture Gamma-Ray Spectroscopy and Related Topics, 3rd, Brookhaven (1978), R.E.Chrien, W.R.Kane Eds., Plenum Press, New York, p.585 (1979)

Authors: D.D.Clark, J.R.Boyce, E.T.Cassel, S.C.McGuire

Title: Low-Lying Levels of ^{236}U from Investigation of the $K\pi = 4^-$ Two-Quasineutron Isomer in (n, γ) and (n,e) Experiments

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma)$, E=thermal; measured $E\gamma, I\gamma, E(K \text{ X-ray})$. ^{236}U deduced levels, δ, J, π .

Keynumber: 1978BOZX

Coden: JOUR BAPSA 23 92 JE14 Boyce

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma)$; measured γ -, ce-spectra. ^{236}U deduced levels, $K, J, \pi, T_{1/2}$.

Keynumber: 1978BEYU

Coden: CONF BNL(Neutron Capt γ -Ray Spectr), Contrib, No11, Bendt

Keyword abstract: NUCLEAR REACTIONS $^{233}, ^{235}\text{U}, ^{239}\text{Pu}(n,\gamma)$, E=th; measured γ -spectra; deduced $\sigma(E)$, multiplicity of photons per absorbed neutron, average photon energy, photon energy released by fission products.

Keynumber: 1978BEXX

Coden: REPT NEANDC(E)-192U, P19, Beer

Keyword abstract: NUCLEAR REACTIONS, Fission $^{235}\text{U}(n,\gamma)$, (n,F), E=10-500 keV; measured σ (capture)/ σ (fission).

Keynumber: 1978BEXS

Coden: CONF Brookhaven(Neutron Capt γ -Ray Spectr), Proc, P558, Bendt

Keyword abstract: NUCLEAR REACTIONS $^{233}, ^{235}\text{U}, ^{239}\text{Pu}(n,\gamma)$, E=thermal; measured σ .

Keynumber: 1977CHYA

Coden: REPT BARC-936, Chatterjee

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,n')$, (n, γ), E=0-16 MeV; calculated $\sigma(E)$ for fission isomers. Statistical model.

Keynumber: 1977BEZW

Coden: REPT KFK-2504, P18, Beer

Keyword abstract: NUCLEAR REACTIONS, Fission $^{235}\text{U}(n,\gamma)$, (n,F), E=10-500 keV; measured capture to fission ratio of σ .

Keynumber: 1977BEYG

Coden: REPT UCID-17442, Behrens

Keyword abstract: NUCLEAR REACTIONS $^{232}\text{Th}, ^{235}\text{U}(n,\gamma)$, E=0.7-30 MeV; measured σ ^{232}Th relative to ^{235}U .

Keynumber: 1976GW01

Reference: Nucl.Sci.Eng. 59, 79 (1976)

Authors: R.Gwin, E.G.Silver, R.W.Ingle, H.Weaver

Title: Measurement of the Neutron Capture and Fission Cross Sections of ^{239}Pu And ^{235}U , 0.02 eV to 200 keV, the Neutron Capture Cross Sections of ^{197}Au , 10 to 50 keV, and Neutron Fission Cross Sections of ^{233}U , 5 to 200 keV

Keyword abstract: NUCLEAR REACTIONS ^{235}U , $^{239}\text{Pu}(n,\gamma)$, (n,F) , $E=0.02\text{ eV}-200\text{ keV}$; $^{197}\text{Au}(n,\gamma)$, $E=10-50\text{ keV}$; $^{233}\text{U}(n,F)$, $E=5-200\text{ keV}$; measured $\sigma(E)$.

Keynumber: 1976GA29

Reference: Yad.Fiz. 24, 880 (1976); Sov.J.Nucl.Phys. 24, 460 (1976)

Authors: Y.P.Gangrskii, A.Lajtai, B.N.Markov

Title: Study of the γ -Ray Spectra Emitted in Formation of the Spontaneously Fissile Isomer ^{236}U in the (n,γ) Reaction

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma)$, $E=\text{th}$; measured γ -spectrum from $^{236\text{m}}\text{U}$ (SF), fragment γ -coin.

Keynumber: 1976BL12

Reference: Nucl.Sci.Eng. 61, 471 (1976)

Authors: H.Bluhm, C.S.Yen

Title: Measurement of the Ratio of Fission to Capture Neutron Cross Sections in Uranium-235 in the 200-eV to 15-keV Energy Range

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,F)$, (n,γ) , $E=0.2-15\text{ keV}$; measured fission $\sigma(E)$ /capture $\sigma(E)$.

Keynumber: 1976AN11

Reference: Nucl.Phys. A269, 338 (1976)

Authors: V.Andersen, C.J.Christensen, J.Borggreen

Title: The Shape Isomer in ^{236}U Populated by Thermal Neutron Capture

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma)$, $E=\text{th}$; measured ce X-coin, fragment delay; obtained isomeric/prompt fission ratio. $^{236\text{m}}\text{U}$ shape isomer deduced γ/F branching ratio.

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}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}U , 239 , 240 , 241 , ^{242}Pu deduced transitions.

Keynumber: 1975OTZX

Reference: Proc.Int.Symp.Neutron Capture Gamma Ray Spectroscopy and Related Topics, 2nd, Petten, The Netherlands (1974), K.Abrahams, F.Stecher-Rasmussen, P.Van Assche, Eds., Reactor Centrum Nederland, p.658 (1975)

Authors: H.Ottmar, P.Matussek, I.Piper

Title: Radiative Capture of Thermal and Epithermal Neutrons in ^{235}U

Keyword abstract: RADIOACTIVITY ^{240}Pu ; measured $E\gamma$, $I\gamma$. ^{236}U deduced levels.

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma)$, $E=\text{thermal}$; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{236}U deduced levels, J, π .

Keynumber: 1975LOZT

Reference: Proc.Int.Symp.Neutron Capture Gamma Ray Spectroscopy and Related Topics, 2nd, Petten, The Netherlands (1974), K.Abrahams, F.Stecher-Rasmussen, P.Van Assche, Eds., Reactor Centrum Nederland, p.665 (1975)

Authors: K.E.G.Lobner, D.Harrach, E.Konecny, N.Nenoff, H.J.Specht, J.Weber

Title: Gamma-Ray Transitions Preceding Isomeric Fission in ^{236}U

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma)$, E=thermal; measured fragment $\gamma(t)$. ^{236}U deduced levels.

Keynumber: 1975KO11

Reference: At.Energ. 38, 82 (1975)

Authors: V.N.Kononov, E.D.Poletayev, B.D.Yurlov

Title: The Measurement of Alpha, Neutron Fission and Capture Cross Sections for Uranium-235 and Plutonium-239 for Neutron Energies from 10 to 80 keV

Keyword abstract: NUCLEAR REACTIONS ^{235}U , $^{239}\text{Pu}(n,\alpha)$, (n,F), (n, γ), E=10-80 keV; measured σ .

Keynumber: 1975GAZG

Coden: REPT JINR-P3-9274, Y P Gangrsky

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma)$; measured γ -fission-coin for $^{236}\text{U}(\text{SF})$ isomer.

Keynumber: 1975DRZX

Coden: REPT LA-UR-75-484 P B4

Keyword abstract: NUCLEAR REACTIONS Mg,Al,Cr,Fe,Ni,Cu,Mo,Nb,Ta,Pt, ^{235}U , $^{239}\text{Pu}(n,\gamma)$; measured γ yields.

Keynumber: 1974WEZH

Coden: CONF Petten(Neutron Capture Gamma Ray Spectroscopy),P277

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

Keynumber: 1974RE02

Reference: Nucl.Phys. A218, 84 (1974)

Authors: E.R.Reddingius, H.Postma, C.E.Olsen, D.C.Rorer, V.L.Sailor

Title: Spins of Low-Energy Neutron Resonances in ^{235}U

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(\text{polarized } n,\gamma)$, (n,F), E=0.1-15 eV, polarized nuclei; measured transmission polarized neutrons; ^{236}U resonances deduced J, sign μ .

Keynumber: 1974OTZY

Coden: CONF Petten(Neutron Capture Gamma Ray Spectroscopy),P417

Keyword abstract: RADIOACTIVITY ^{240}Pu ; measured $E\gamma$, $I\gamma$. ^{236}U deduced levels.

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma)$, E=thermal, 2 keV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin. ^{236}U deduced levels, J, π , neutron binding energy.

Keynumber: 1974FU10

Reference: Lett.Nuovo Cim. 9, 682 (1974)

Authors: A.Fubini

Title: Competition between Neutron Emission and Fission for ^{234}U , ^{236}U , ^{240}Pu And ^{242}Pu Compound

Nuclei

Keyword abstract: NUCLEAR REACTIONS $^{233}, ^{235}\text{U}$, $^{239}, ^{241}\text{Pu}(n,\gamma)$, (n,n') , $(n,n'F)$, $(n,2n)$, (n,F) , $E=1-10$ MeV; calculated n-width/F-width.

Keynumber: 1974BY03

Reference: At.Energ. 37, 337 (1974); Sov.At.Energy 37, 1073 (1975)

Authors: M.V.Bychkov, A.V.Skobakarev, A.P.Malykhin, I.V.Zhuk, Y.I.Churkin, O.I.Yaroshevich

Title: Measurement of Ratio of Effective Cross Sections of Capture in ^{238}U and Fission of ^{235}U in a Fast-Thermal Critical Assembly

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

Keynumber: 1973ZE05

Reference: Yad.Fiz. 18, 34 (1973); Sov.J.Nucl.Phys. 18, 18 (1974)

Authors: Zen Chang Bom, A.Lajtai, A.A.Omelyanenko, T.T.Panteleev, S.M.Polikanov, Y.V.Ryabov, Tang San Khak

Title: Search for a Spontaneously Fissioning Isomer Nucleus $\text{U}^{236\text{m}}$ in the Reaction $\text{U}^{235}(n,\gamma)$

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma)$, E approx 60 keV; measured σ for SF isomer. ^{236}U deduced no SF isomer.

Keynumber: 1973VA30

Reference: Yad.Fiz. 18, 492 (1973); Sov.J.Nucl.Phys. 18, 253 (1974)

Authors: G.V.Valskii, O.M.Mrachkovskii, G.A.Petrov, Y.S.Pleva

Title: Probability of Formation of Spontaneously Fissioning Isomer States Following Thermal Neutron Capture by U^{235} and Pu^{239}

Keyword abstract: NUCLEAR REACTIONS ^{235}U , $^{239}\text{Pu}(n,\gamma)$; measured $\sigma(\text{isomer})$.

Keynumber: 1973UNZZ

Coden: JOUR BAPSA 18 627 EK5

Keyword abstract: RADIOACTIVITY,Fission $^{246}, ^{248}\text{Cm}$, $^{250}, ^{252}\text{Cf}(\text{SF})$; measured fragment yields.

Keyword abstract: NUCLEAR REACTIONS ^{229}Th , ^{235}U , ^{245}Cm , ^{249}Cf , $^{254}\text{Es}(n,\gamma)$.

Keynumber: 1973SP04

Reference: Nuovo Cim. 13A, 373 (1973)

Authors: D.Sperber

Title: Statistical Theory of Isomer Ratios for Shape (Fission) Isomers in (n,γ) Reactions

Keyword abstract: NUCLEAR REACTIONS $^{233}, ^{235}\text{U}$, ^{239}Pu , $^{241}\text{Am}(n,\gamma)$; calculated isomer ratios.

Keynumber: 1973SCYB

Coden: REPT INDC(SEC)-36/L P5

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma)$, ^{235}U , $^{239}\text{Pu}(n,F\gamma)$; measured $E\gamma, I\gamma$. ^{236}U deduced level, J, π .

Keynumber: 1973SC31

Reference: Atomkernenergie 21, 136 (1973)

Authors: W.J.Schindler, C.M.Fleck

Title: Measurements of Low Energy Gamma Rays Following Thermal Neutron Capture in ^{235}U

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma)$, $E=\text{thermal}$; measured $I\gamma, E\gamma, \gamma\gamma\text{-coin}$. ^{236}U levels deduced J, π , transitions.

Keynumber: 1973PLZY

Coden: JOUR BAPSA 18 626 EK4

Keyword abstract: RADIOACTIVITY,Fission $^{252}\text{Cf}(\text{SF})$; measured $E\gamma, I\gamma$.

Keyword abstract: NUCLEAR REACTIONS $^{233}, ^{235}\text{U}, ^{239}\text{Pu}(n,\gamma)$.

Keynumber: 1973MAYH

Coden: REPT EANDC(E)157-U,P14

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma)$; measured $E\gamma$. ^{236}U deduced S-width.

Keynumber: 1973GWZZ

Coden: REPT ORNL-4902 Vol2 P6

Keyword abstract: NUCLEAR REACTIONS $^{239}\text{Pu}, ^{235}\text{U}(n,\gamma), (n,\text{F}), ^{197}\text{Au}(n,\gamma), ^{233}\text{U}(n,\text{F})$; measured $\sigma(E)$.

Keynumber: 1973GR20

Reference: Phys.Rev. C8, 781 (1973)

Authors: R.G.Graves, R.E.Chrien, D.I.Garber, G.W.Cole, O.A.Wasson

Title: γ Rays Following Neutron Capture in ^{235}U and the Spins of ^{235}U Resonances

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma), (n,\text{F}), E=\text{slow}$; measured $E\gamma, I\gamma$. Deduced J, ^{235}U resonances 0-30 eV. ^{236}U deduced levels to 1300 keV, delayed-, prompt-fission γ -rays.

Keynumber: 1973GEYW

Coden: REPT INDC(SEC)-35/L P8

Keyword abstract: NUCLEAR REACTIONS,Fission $^{233}, ^{235}\text{U}(n,\text{F}), (n,\gamma)$; calculated σ .

Keynumber: 1973FOYS

Coden: REPT KDK-2 P56

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma)$; measured $I(\text{ce}), E\gamma$. ^{236}U deduced levels.

Keynumber: 1973DRZZ

Coden: JOUR BAPSA 18 592 DE12

Keyword abstract: RADIOACTIVITY,Fission $^{259}\text{104}(\text{SF})$; measured $T_{1/2}$, fission branching.

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

Keynumber: 1973DE15

Reference: Phys.Rev. C7, 2018 (1973)

Authors: G.de Saussure, R.B.Perez, W.Kolar

Title: Multilevel Analyses of the ^{235}U Fission and Capture Cross Sections

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\text{F}), (n,\gamma)$; measured nothing. Deduced resonance level-width.

Keynumber: 1973CO06

Reference: Nucl.Phys. A203, 145 (1973)

Authors: F.Corvi, M.Stefanon, C.Coceva, P.Giacobbe

Title: Low-Energy γ -Rays and Spins of ^{235}U Neutron Resonances

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma), (n,\text{F}), E=1.5-58$ eV; measured $E\gamma, I\gamma$. ^{236}U

deduced resonances, J. Enriched target.

Keynumber: 1973BAUS

Coden: REPT LF-42 P5

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma)$; measured $E\gamma, E(\text{ce})$. ^{236}U levels deduced J, π .

Keynumber: 1972SMZQ

Coden: JOUR TANSAS 15 No1 P478, J R Smith, 7/3/72

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma)$, (n,X) , (n,F) , $E=1-82$ eV; analyzed, $\sigma(E)$; deduced resonance integrals.

Keynumber: 1972PEZS

Coden: JOUR TANSAS 15 No1 P476, R B Perez, 7/3/72

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,F)$, (n,γ) , $E < 60$ eV; analyzed $\sigma(E)$. ^{236}U deduced resonance parameters.

Keynumber: 1972PEZI

Coden: REPT ORNL-TM-3696, 3/20/73

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,F)$, (n,γ) , $E=8$ eV-10 keV; measured $\sigma(E), \alpha(E)$.

Keynumber: 1972MAYR

Reference: Contrib. Conf. on Nucl. Structure Study with Neutrons, Budapest, p.84 (1972)

Authors: P. Matussek, H. Ottmar, I. Piper, C. Weitkamp, H. Woda

Title: Measurement of Gamma-Ray Spectra from Thermal Neutron Interaction with ^{235}U

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma)$, $E=\text{thermal}$; measured $E\gamma, I\gamma, \gamma\gamma\text{-coin}$. ^{236}U deduced transitions.

Keynumber: 1972KOZS

Coden: REPT INDC(CCP)-21/L, V N Kononou, 5/24/72

Keyword abstract: NUCLEAR REACTIONS ^{235}U , $^{239}\text{Pu}(n,\gamma)$, (n,F) , $E=0.01-1$ MeV; measured $\alpha(E)$.

Keynumber: 1972HAZG

Coden: REPT 1972 Annual, Tech Univ Munchen, P107

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma)$; measured $I(\text{ce})$.

Keynumber: 1972FOZJ

Coden: CONF Budapest, Contributions, P6, 10/11/72

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma)$, measured $I\gamma, E(\text{ce}), I(\text{ce})$. ^{236}U deduced levels, ICC, J, π .

Keynumber: 1972FOYY

Coden: REPT LF-39, B Fogelberg (CRL)

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma)$, $E=\text{thermal}$; measured $E\gamma, I(\text{ce}), I\gamma$. Deduced ICC. ^{236}U deduced levels, γ -mixing.

Keynumber: 1972DV01

Reference: At. Energ. 33, 577 (1972); Sov. At. Energy 33, 666 (1973)

Authors: V.G. Dvukhsherstnov, Y.A. Kazanski, V.M. Furmanov

Title: Measurements of α for U^{235} and Pu^{239} at 2 keV

Keyword abstract: NUCLEAR REACTIONS ^{235}U , $^{239}Pu(n,F)$, (n,γ) , $E=2$ keV; measured ratio $\sigma(n\gamma)/\sigma(nf)$.

Keynumber: 1972COZC

Coden: CONF Aix-En-Provence(Nucl Physics), Vol2, P20, 8/17/72

Keyword abstract: NUCLEAR REACTIONS $^{235}U(n,\gamma)$, measured $I\gamma$. ^{236}U deduced resonances, J.

Keynumber: 1972BAZB

Reference: NP-19337, p.6 (1972)

Authors: A.Backlin, B.Fogelberg, G.Hedin, T.Nagarajan

Title: (n,γ) Spectroscopy

Keyword abstract: RADIOACTIVITY $^{122,124}In$, $^{119,121,123}Cd$, ^{119}Ag , ^{191}Pt , $^{185,186,188}Ir$, ^{186}Re ; $^{122,124}Sn$, $^{119,121,123}In$, ^{191}Ir , $^{185,186,188}Os$ deduced levels.

Keyword abstract: NUCLEAR REACTIONS $^{155,157}Gd$, ^{235}U , $^{239}Pu(n,\gamma)$; $^{156,158}Gd$, ^{236}U , ^{240}Pu deduced levels.

Keynumber: 1972BAWY

Coden: REPT KFK-1563, R E Bandl, 7/27/72

Keyword abstract: NUCLEAR REACTIONS, Fission ^{235}U , $^{239}Pu(n,\gamma)$, (n,F) , $E=8-60$ keV; measured σ ratio $\alpha(E)$.

Keynumber: 1972BA69

Reference: Nucl.Sci.Eng. 48, 324 (1972)

Authors: R.E.Bandl, H.Miessner, F.H.Frohner

Title: A Measurement of the Capture-to-Fission Cross Section Ratios of Uranium-235 and Plutonium-239 with a New Technique

Keyword abstract: NUCLEAR REACTIONS ^{235}U , $^{239}Pu(n,\gamma)$, (n,F) , $E=8-60$ keV; measured σ ratio $\alpha(E)$.

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 $^{235,238}U(n,\gamma)$, (n,F) , $E=thermal$; measured σ ratio.

Keynumber: 1971VOZT

Coden: CONF CONF-710301(Knoxville), Vol2, p591, 11/2/71

Keyword abstract: NUCLEAR REACTIONS $^{235}U(n,\gamma)$, (n,F) , $E=5-50$ keV, 130 keV; measured capture/fission σ ratio.

Keynumber: 1971SIZG

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

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

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

Keynumber: 1971RY02

Reference: Yad.Fiz. 13, 1039 (1971); Sov.J.Nucl.Phys. 13, 596 (1971)

Authors: Y.V.Ryabov, Y.I.Fenin

Title: Strength Functions for s and p Neutrons in U^{235} and Pu^{239}

Keyword abstract: NUCLEAR REACTIONS ^{235}U , $^{239}Pu(n,\gamma)$, (n,F),E=0.1-30 keV; measured σ ratio, (E). ^{236}U , ^{240}Pu deduced strength functions.

Keynumber: 1971RY01

Reference: Yad.Fiz. 13, 457 (1971); Sov.J.Nucl.Phys. 13, 255 (1971)

Authors: Y.V.Ryabov, S.D.Sik, N.Chikov, N.Yaneva

Title: Parameters of the Neutron Resonances of U^{233} , U^{235} , and Pu^{239}

Keyword abstract: NUCLEAR REACTIONS ^{233}U , ^{235}U , $^{239}Pu(n,X)$, ^{235}U , $^{239}Pu(n,\gamma)$, (n,F),E=resonance; measured $\sigma(nT)(E)$, $\sigma(E)$. 234 , ^{236}U , ^{240}Pu deduced resonances, level-width.

Keynumber: 1971PEZN

Coden: REPT ORNL-4705,P10

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

Keynumber: 1971NAZP

Coden: REPT INDC(JAP) 10E,P12,3/6/72

Keyword abstract: NUCLEAR REACTIONS $^{235}U(n,\gamma)$, (n,F),E= pile; measured α .

Keynumber: 1971KU13

Reference: At.Energ. 30, 258 (1971); Sov.J.At.Energy 30, 315 (1971)

Authors: M.A.Kurov, Y.V.Ryabov, So Tong Sik, N.Chikov

Title: Measurement of the Ratio (α) between the Cross Sections for Radiative Capture and Fission, for U^{235} and Pu^{239} for Neutron Energies below 30 keV

Keyword abstract: NUCLEAR REACTIONS ^{235}U , $^{239}Pu(n,\gamma)$, (n,F),E <30 keV; measured $\alpha(E)$.

Keynumber: 1971KOZD

Coden: REPT INDC(CCP)-21/L,6/9/72

Keyword abstract: NUCLEAR REACTIONS ^{235}U , $^{239}Pu(n,\gamma)$, (n,F),E=0.01-1 MeV; measured σ ratio $\alpha(E)$.

Keynumber: 1971HUZO

Coden: JOUR TANSU 14 No1,P419,Y Hukai

Keyword abstract: NUCLEAR REACTIONS ^{235}U , $^{239}Pu(n,\gamma)$, (n,X),E=thermal; measured $E\gamma$, $I\gamma$. ^{236}U , ^{240}Pu deduced transitions.

Keynumber: 1971HEZN

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

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

ratio vs position in EBR-2.

Keynumber: 1971GWZY

Coden: REPT ORNL-4705,P5

Keyword abstract: NUCLEAR REACTIONS ^{239}Pu , $^{235}\text{U}(n,\gamma)$, (n,F),E=0.02 eV - 400 keV; measured capture/fission ratio.

Keynumber: 1971GRZT

Coden: JOUR BAPSA 16 496

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma)$,E=resonance; measured $E\gamma$, $I\gamma$, $\gamma\gamma$ -coin.

Keynumber: 1971GRYS

Coden: JOUR BAPSA 16 1181,R G Graves,10/29/71

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma)$, (n,F),E=epithermal; measured $E\gamma$, $I\gamma$. ^{236}U deduced resonances,J, π .

Keynumber: 1971DUZL

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

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

Keynumber: 1971DEZL

Coden: REPT ORNL-4705,P16

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma)$, (n,F),E <60 eV; measured $\sigma(E)$. ^{236}U deduced resonances,level-width,Reich-Moore,Kapur-Peierls resonance parameters.

Keynumber: 1971DEXP

Coden: REPT AAEC/TM 595,9/12/72,NDP

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

Keyword abstract: NUCLEAR STRUCTURE ^{252}Cf ; calculated $^1, ^2, ^3\text{H}$, $^6, ^8\text{He}$ energy spectra.

Keynumber: 1971DEXO

Coden: REPT ANL-7830,A De Volpi,9/27/72

Keyword abstract: NUCLEAR REACTIONS,Fission ^{239}Pu , ^{252}Cf , ^{233}U , $^{235}\text{U}(n,F)$, (n, γ), (n,X), (n,n),E=2200 M/S; analyzed evaluated σ , v , α . ^{233}U , ^{234}U reevaluated $T_{1/2}$.

Keynumber: 1971CHZM

Coden: CONF CONF-710301(Knoxville),Vol2,P792,11/2/71

Keyword abstract: NUCLEAR REACTIONS ^{235}U , $^{239}\text{Pu}(n,\gamma)$,E <12 eV; measured $\sigma(E;E\gamma)$,Q for ^{235}U , ^{236}U , ^{240}Pu deduced levels,J, π .

Keynumber: 1971CHYR

Coden: REPT NCSAC-42,P48,R Chrien,5/19/72

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma)$, measured $\sigma(E;E\gamma)$. ^{236}U deduced resonances,levels,J, π .

Keynumber: 1971CHXQ

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

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

Keynumber: 1971BOZL

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

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

Keynumber: 1971BOYK

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

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

Keynumber: 1971BAYG

Coden: CONF CONF-710301(Knoxville),Vol1,P273,11/2/71

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}, ^{239}\text{Pu}(n,\gamma), (n,F), E = 8-60 \text{ keV}$; measured σ ratio (E).

Keynumber: 1971BAWY

Coden: REPT KFK-1457,R E Bandl

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}, ^{239}\text{Pu}(n,\gamma), (n,F)$; measured σ ratio.

Keynumber: 1970KAZU

Reference: Bull.Am.Phys.Soc. 15, No.6, 807, EE14 (1970)

Authors: W.R.Kane

Title: Gamma Rays from Low Energy Neutron Resonances in U^{235}

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma), E = \text{resonance}$; measured $E\gamma, I\gamma, \gamma\gamma\text{-coin}$; deduced Q, ^{236}U resonances deduced J.

Keynumber: 1970KAZT

Coden: REPT NCSAC-33 P28

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma), E = \text{resonance}$; measured $E\gamma, I\gamma$; deduced Q, ^{236}U deduced resonances, J, π , levels.

Keynumber: 1970KA22

Reference: Phys.Rev.Lett. 25, 953 (1970)

Authors: W.R.Kane

Title: γ Rays from Resonance Neutron Capture in U^{235}

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma), E = 1.135, 2.040, 4.845, 6.39 \text{ eV}$; measured $E\gamma, I\gamma$; deduced Q, ^{236}U deduced resonances, levels, J, π, γ -branching.

Keynumber: 1970JUZZ

Reference: NCSAC-33, p.152 (1970)

Authors: E.T.Jurney

Title: High Energy Gamma Rays from Thermal Irradiation of ^{235}U and ^{239}Pu

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}, ^{239}\text{Pu}(n,\gamma), E = \text{thermal}$; measured $E\gamma, I\gamma$; deduced Q, $^{236}\text{U}, ^{240}\text{Pu}$ deduced levels, J, π .

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}Pu deduced SF-isomers, $T_{1/2}$.

Keynumber: 1970CHZZ

Reference: Bull.Amer.Phys.Soc. 15, No.1, 87, GD14 (1970)

Authors: R.E.Chrien, S.Bokharee, J.B.Garg, O.A.Wasson

Title: Gamma Rays Following Resonant Neutron Capture in ^{239}Pu and ^{235}U

Keyword abstract: NUCLEAR REACTIONS ^{235}U , $^{239}\text{Pu}(n,\gamma)$, $E = \text{epithermal}$; measured $E\gamma$, $I\gamma$; deduced Q . ^{240}Pu deduced transitions.

Keynumber: 1970CHZO

Reference: NCSAC-33, p.24 (1970)

Authors: R.E.Chrien, O.A.Wasson, G.Cole, R.G.Graves, M.R.Bhat, S.F.Mughabghab, S.Dritsa, F.Becvar, R.Moreh, P.Liaud

Title: Low Energy γ -Rays from Thermal and Resonance Capture in ^{239}Pu and ^{235}U

Keyword abstract: NUCLEAR REACTIONS ^{235}U , $^{239}\text{Pu}(n,\gamma)$, $E = \text{thermal, resonance}$; measured $E\gamma, I\gamma$. ^{240}Pu deduced transitions.

Keynumber: 1969WE06

Reference: Nucl.Phys. A134, 535 (1969)

Authors: H.Weigmann, J.Winter, M.Heske

Title: Prompt γ -Rays from Neutron Interaction in ^{235}U and Resonance Spin Assignments

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma)$, (n,F) , $E = 6-40$ eV; measured prompt γ -ray, $E\gamma$, $I\gamma$. ^{236}U deduced resonances, J .

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}Np , $^{238}, ^{239}, ^{240}, ^{241}\text{Pu}$, $^{241}, ^{242}, ^{243}\text{Am}$, $^{244}\text{Cm}(n,X)$, (n,γ) , $E < 500$ eV; calculated dependence of level density on excitation energy.

Keynumber: 1969TA04

Reference: Phys.Rev. 177, 1805 (1969)

Authors: W.L.Talbert, Jr., A.B.Tucker, G.M.Day

Title: Delayed Neutron Emission in the Decays of Short-Lived Separated Isotopes of Gaseous Fission Products

Keyword abstract: NUCLEAR REACTIONS, Fission $^{235}\text{U}(n,\gamma)$, $E = \text{reactor spectrum}$; measured delayed neutron yields for $^{92}, ^{93}\text{Kr}$, $^{92}, ^{93}\text{Rb}$, $^{141}, ^{142}\text{Xe}$, $^{141}, ^{142}\text{Cs}$; deduced delayed neutron emission probabilities.

Keyword abstract: NUCLEAR REACTIONS, Fission $^{235}\text{U}(n,\gamma)$, E=reactor spectrum; measured delayed neutron yields for $^{92}, ^{93}\text{Kr}$, $^{92}, ^{93}\text{Rb}$, $^{141}, ^{142}\text{Xe}$, $^{141}, ^{142}\text{Cs}$; deduced delayed neutron emission probabilities.

Keynumber: 1969KAZW

Reference: Proc.Intern.Symp.Neutron Capture Gamma-Ray Spectroscopy, Studsvik, Intern.At.En.Agency, Vienna, p.105 (1969)

Authors: W.R.Kane, D.Gardner, T.Brown, A.Kevey, E.der Mateosian, G.T.Emery, W.Gelletly, M.A.J.Mariscotti, I.Schroder

Title: Studies of the (n, γ) Reaction with a Neutron Monochromator

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma)$, E=4.845 eV resonance; measured $E\gamma$, $I\gamma$; deduced Q, ^{236}U deduced levels.

Keynumber: 1969BAZW

Reference: Proc.Intern.Symp.Neutron Capture Gamma-Ray Spectroscopy, Studsvik, Intern.At.En.Agency, Vienna, p.141 (1969)

Authors: A.Backlin, B.Fogelberg, E.Falkstrom-Lund

Title: Conversion Electrons and Gamma Rays from Neutron Capture in ^{235}U

Keyword abstract: NUCLEAR REACTIONS $^{235}\text{U}(n,\gamma)$, E not given; measured $E(\text{ce})$, $I(\text{ce})$, $I\gamma$. ^{236}U deduced transitions.