

Visit the [Isotope Explorer](#) home page!

16 reference(s) found :

Keynumber: 1999MUZT

Reference: Proc.7th Intern.Seminar on Int.of Neutrons with Nuclei, Dubna, p.292 (1999)

Authors: G.V.Muradian, M.A.Voskanian, L.P.Yastrebova, V.L.Volkov, O.Ya.Shatrov, V.I.Furman, V.Yu.Kononov

Title: Measurements of Capture Cross Section of ^{234}U

Keyword abstract: NUCLEAR REACTIONS $^{234}\text{U}(n,\gamma)$,E=4-2150 eV; measured capture σ . Comparison with previous results.

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=fission spectrum; compiled,evaluated resonance integrals,average fission σ .

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: 1979ALZP

Reference: JUL-Spez-36, p.62 (1979)

Authors: J.Almeida, T.von Egidy, P.H.M.van Assche, J.Valentin, H.G.Borner, W.F.Davidson, K.Schreckenbach, A.I.Namenson

Title: Vibrational States in ^{235}U

Keyword abstract: NUCLEAR REACTIONS $^{234}\text{U}(n,\gamma)$,E=thermal; measured $E\gamma$, $I\gamma$, $I(\text{ce})$. ^{235}U deduced levels,J, π ,vibrational character.

Keynumber: 1979AL03

Reference: Nucl.Phys. A315, 71 (1979)

Authors: J.Almeida, T.von Egidy, P.H.M.van Assche, H.G.Borner, W.F.Davidson, K.Schreckenbach, A.I.Namenson

Title: Vibrational and Single-Particle States in ^{235}U

Keyword abstract: NUCLEAR REACTIONS $^{234}\text{U}(n,\gamma)$,E=th; measured $E\gamma$, $I\gamma$, $E(\text{ce})$, $I(\text{ce})$. ^{235}U deduced levels,J, π . Nilsson assignments. Enriched target. Bent crystal,magnetic β -spectrometers.

Keynumber: 1978VAZZ

Coden: CONF Brookhaven(Neutron Capt γ -Ray Spectr),Proc,P779, Van Assche

Keyword abstract: NUCLEAR REACTIONS $^{234}\text{U}(n,\gamma),E=\text{reactor}$; measured $E\gamma, I\gamma$. ^{235}U deduced level, binding energy of ce in decay to ground state. Gamma diffraction spectrometer.

Keynumber: 1978VAZH

Coden: CONF BNL(Neutron Capt γ -Ray Spectr), Contrib, No80, Van Assche

Keyword abstract: NUCLEAR REACTIONS $^{234}\text{U}(n,\gamma),E=\text{th}$; measured $E(\text{ce})$. $^{235\text{m}}\text{U}$ deduced energy, electronic configuration.

Keynumber: 1977KOZW

Coden: REPT BNL-22227, B K S Koene

Keyword abstract: NUCLEAR REACTIONS $^{234}\text{U}(n,\gamma),E=5.19,31.2,48.8\text{ eV}$; measured $E\gamma$. ^{235}U deduced levels, K, J, π, Γ .

Keynumber: 1977KO15

Reference: Phys.Rev. C16, 588 (1977)

Authors: B.K.S.Koene, R.E.Chrien

Title: Low-Spin States in ^{235}U Studied with the (n,γ) Reaction

Keyword abstract: NUCLEAR REACTIONS $^{234}\text{U}(n,\gamma),E=5.19,31.2,48.8\text{ eV}$; measured $E\gamma$, fission γ spectra; deduced Q. ^{235}U deduced resonances, J, π, γ fission widths.

Keynumber: 1977ALZC

Coden: CONF Tokyo (Nucl Structure), Proc, Vol1, P463, Almeida

Keyword abstract: NUCLEAR REACTIONS $^{234}\text{U}(n,\gamma)$; measured γ, ce spectra. ^{235}U deduced levels, K, J, π .

Keynumber: 1976KOYY

Coden: CONF Lowell(Interactions of Neutrons), CONF-760715-P2, Vol2 P1262

Keyword abstract: NUCLEAR REACTIONS $^{234}\text{U}(n,\gamma),E=5.2,31,49\text{ eV}$; measured $E\gamma, I\gamma$. ^{235}U deduced levels, λ .

Keynumber: 1972RI08

Reference: Phys.Rev. C5, 2072 (1972)

Authors: F.A.Rickey, E.T.Jurney, H.C.Britt

Title: Level Scheme of ^{235}U and the Distribution of Single-Particle Strength in its Excited States

Keyword abstract: NUCLEAR REACTIONS $^{234}\text{U}(n,\gamma),E=\text{thermal}$; measured $E\gamma, I\gamma$; deduced Q. ^{234}U (d,p), $E=20\text{ MeV}$; measured $\sigma(Ep, \theta)$. $^{233}\text{U}(t,p), E=20\text{ MeV}$; measured $\sigma(Ep)$. $^{235}\text{U}(d, d'), E=20\text{ MeV}$; measured $\sigma(Ed')$. $^{236}\text{U}(d,t), E=20\text{ MeV}$; measured $\sigma(Et)$. ^{235}U deduced levels, J, π, L .

Keynumber: 1971JUZW

Coden: REPT BNL-50298, P124, 10/21/71

Keyword abstract: NUCLEAR REACTIONS $^{234}\text{U}(n,\gamma),E=\text{thermal}$; measured $E\gamma, I\gamma$. ^{235}U deduced levels, J, π, K, γ -branching.

Keynumber: 1971CAZN

Coden: REPT AERE-R-6761, M J Cabell

Keyword abstract: NUCLEAR REACTIONS $^{234}, ^{236}\text{U}(n,\gamma),E=\text{thermal}$; measured σ .

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: 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.
