

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

13 reference(s) found :

Keynumber: 2000YUZW

Reference: INDC(CPR)-052/L, p.115 (2000)

Authors: B.Yu, Q.Shen, Z.Zhang

Title: Evaluation of Complete Neutron Data for Fission Product Nuclides $^{129,131,132,134-136}\text{Xe}$ from 10^5 eV to 20 MeV

Keyword abstract: NUCLEAR REACTIONS $^{129, 131, 132, 134, 135, 136}\text{Xe}(n,X)$, (n,xn) , (n,γ) , $E < 20$ MeV; compiled,evaluated σ .

Keynumber: 1991BE35

Reference: Astrophys.J. 375, 823 (1991)

Authors: H.Beer

Title: Capture Cross Section Measurements of Krypton and Xenon Isotopes and the Fundamental Parameters of the s-Process

Keyword abstract: NUCLEAR REACTIONS $^{78, 80, 84, 86}\text{Kr}$, $^{124, 126, 128, 132, 134, 136}\text{Xe}(n,\gamma)$, $E=\text{low}$; measured capture σ ; deduced s-process fundamental parameters. Neutrons from $^7\text{Li}(p,n)$ reaction,fast cyclic activation technique.

Keynumber: 1988MAZL

Reference: ORNL/TM-10766 (1988)

Authors: R.L.Macklin

Title: Search for ^{136}Xe Resonance Neutron Capture

Keyword abstract: NUCLEAR REACTIONS $^{136}\text{Xe}(n,\gamma)$, $E=2.154-18.4$ keV; measured capture $\sigma(E)$; deduced $\sigma(\text{thermal})$.

Keynumber: 1987SH03

Reference: Nucl.Instrum.Methods Phys.Res. A254, 139 (1987)

Authors: J.F.Shriener, Jr., G.E.Mitchell, E.G.Bilpuch

Title: Significance Levels of Linear Correlation Coefficients

Keyword abstract: NUCLEAR REACTIONS $^{42, 44}\text{Ca}$, ^{58}Fe , ^{136}Xe , $^{138}\text{Ba}(n,\gamma)$, $E=\text{thermal}$; $^{42, 44}\text{Ca}$, ^{136}Xe , $^{138}\text{Ba}(d,p)$, $E \approx 10$ MeV; $^{50}\text{Cr}(p,p')$, $^{44}\text{Ca}(p,\gamma)$, E not given; calculated channel,width,amplitude correlation coefficients,significance levels,probability density functions. Bootstrap method.

Keynumber: 1985LE23

Reference: Z.Phys. A322, 531 (1985)

Authors: B.Leist, W.Ziegert, M.Wiescher, K.-I.Kratz, F.-K.Thielemann

Title: Neutron Capture Cross Sections for Neutron-Rich Isotopes

Keyword abstract: NUCLEAR REACTIONS ^{86}Kr , $^{136}\text{Xe}(n,\gamma)$, E not given; calculated reaction rates. Hauser-Feshbach,Breit-Wigner methods.

Keynumber: 1982MEZU

Coden: REPT KfK-3452,Mengoni

Keyword abstract: NUCLEAR REACTIONS $^{42, 48}\text{Ca}$, $^{136}\text{Xe}(n,\gamma)$, $E=\text{thermal}$; calculated $\sigma(\text{capture})$. Lane-Lynn model.

Keynumber: 1979MU02

Reference: Phys.Lett. 81B, 93 (1979)

Authors: S.F.Mughabghab

Title: Verifications of the Lane-Lynn Theory of Direct Neutron Capture

Keyword abstract: NUCLEAR REACTIONS ^{136}Xe , $^{144}\text{Sm}(n,\gamma)$, E=thermal; calculated capture σ , coherent scattering lengths, neutron S. Lane-Lynn theory of direct capture. ^{137}Xe , ^{145}Sm levels deduced J.

Keynumber: 1977PRZZ

Coden: JOUR BAPSA 22 596 GG13, Prussin

Keyword abstract: NUCLEAR REACTIONS $^{136}\text{Xe}(n,\gamma)$, E=th; measured $\sigma(E\gamma)$; deduced Q. ^{137}Xe deduced transitions.

Keynumber: 1977PR07

Reference: Phys.Rev. C16, 1001 (1977)

Authors: S.G.Prussin, R.G.Lanier, G.L.Struble, L.G.Mann, S.M.Schoenung

Title: Gamma Rays from Thermal Neutron Capture in ^{136}Xe

Keyword abstract: NUCLEAR REACTIONS $^{136}\text{Xe}(n,\gamma)$, E=th; measured $E\gamma, I\gamma$; deduced Q. ^{137}Xe deduced levels, J, π . Ge(Li) Compton suppression spectrometer.

Keynumber: 1977FO02

Reference: Z.Phys. A281, 89 (1977)

Authors: B.Fogelberg, W.Mampe

Title: Determination of the Neutron Binding Energy of the Delayed Neutron Emitter ^{137}Xe

Keyword abstract: NUCLEAR REACTIONS $^{136}\text{Xe}(n,\gamma)$; measured $E\gamma, I\gamma$; deduced Q. ^{137}Xe deduced neutron binding energy.

Keynumber: 1973LAYG

Reference: RCN-191 (1973)

Authors: G.Lautenbach

Title: Calculated Neutron Absorption Cross Sections of 75 Fission Products

Keyword abstract: NUCLEAR REACTIONS ^{81}Br , 83 , 84 , 85 , ^{86}Kr , 85 , ^{87}Rb , 88 , ^{90}Sr , ^{89}Y , 91 , 92 , 93 , 94 , 95 , ^{96}Zr , 95 , 97 , 98 , ^{100}Mo , ^{99}Tc , 101 , 102 , 104 , ^{106}Ru , ^{103}Rh , 105 , 106 , 107 , 108 , ^{110}Pd , ^{109}Ag , 111 , 112 , 113 , ^{114}Cd , ^{115}In , 126 , 128 , ^{130}Te , 127 , ^{129}I , 131 , 132 , 134 , ^{136}Xe , 133 , 135 , ^{137}Cs , ^{138}Ba , ^{139}La , 140 , ^{142}Ce , ^{141}Pr , 143 , 144 , 145 , 146 , 148 , ^{150}Nd , ^{147}Pm , 147 , 148 , 149 , 150 , 151 , 152 , ^{154}Sm , 153 , 154 , ^{155}Eu , 155 , 156 , 157 , ^{158}Gd , $^{159}\text{Tb}(n,\gamma)$; calculated $\sigma(E)$.

Keynumber: 1968KO13

Reference: Nucl.Phys. A120, 329 (1968)

Authors: E.Kondaiah, N.RanaKumar, R.W.Fink

Title: Thermal Neutron Activation Cross Sections for Kr and Xe Isotopes

Keyword abstract: NUCLEAR REACTIONS 78 , 80 , 82 , ^{84}Kr , 124 , 126 , 128 , 130 , 132 , 134 , $^{136}\text{Xe}(n,\gamma)$. E=thermal; measured σ ; deduced isomer cross-section ratio, spin cutoff parameter. Solid quinol-clathrate targets.

Keynumber: 1965BR41

Reference: J.Inorg.Nucl.Chem. 27, 1175 (1965)

Authors: M.Bresesti, F.Cappellani, A.M.Del Turco, H.Neumann, E.Orvini

Title: Neutron Capture Cross-Sections of ^{126}Xe and ^{136}Xe

Keyword abstract: NUCLEAR REACTIONS $^{126}, ^{136}\text{Xe}(n,\gamma), E=\text{thermal}$; measured σ ; deduced resonance integrals.
