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14 reference(s) found :

Keynumber: 2000MUZV

Reference: Proc.10th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Santa Fe, New Mexico, 30 August-3 September 1999, S.Wender, Ed., p.687 (2000); AIP Conf.Proc. 529 (2000)

Authors: P.Mutti, H.Beer, A.Brusegan, F.Corvi, R.Galleano, A.Noriega

Title: Neutron Capture Cross Sections of $^{84,86}\text{Kr}$ and Their Impact on Stellar Nucleosynthesis

Keyword abstract: NUCLEAR REACTIONS $^{84, 86}\text{Kr}(n,\gamma)$, $E \approx 0\text{-}600$ keV; measured Maxwellian-averaged capture σ .

Keynumber: 1999CAZU

Reference: INDC(CPR)-048/L, p.40 (1999)

Authors: C.Cai

Title: Calculations of a Complete Data Set for $n + ^{83}\text{Kr}$, ^{84}Kr , ^{85}Kr and ^{86}Kr in the Energy Region 0.001 \div 20 MeV

Keyword abstract: NUCLEAR REACTIONS $^{83, 84, 85, 86}\text{Kr}(n,n)$, (n,n') , (n,γ) , (n,p) , (n,α) , (n,d) , (n,t) , $(n,2n)$, $(n,3n)$, (n,np) , $(n,n\alpha)$; calculated σ , neutron energy distribution following inelastic scattering and 2-neutron evaporation. Coupled-channel calculations. Comparison to data.

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: [1987KA07](#)

Reference: Phys.Rev. C35, 936 (1987)

Authors: F.Kappeler, A.A.Naqvi, M.Al-Ohali

Title: Stellar Krypton Cross Sections at $kT = 25$ and 52 keV

Keyword abstract: NUCLEAR REACTIONS $^{84, 86}\text{Kr}(n,\gamma)$, $E=25,52$ keV; measured average capture σ . $^{85, 85m}\text{Kr}$ deduced Maxwellian averaged $\langle\sigma\rangle$ for 30 keV.

Keynumber: 1986WA20

Reference: Nucl.Sci.Eng. 93, 357 (1986)

Authors: G.Walter, B.Leugers, F.Kappeler, Z.Y.Bao, G.Reffo, F.Fabbri

Title: Kilo-Electron-Volt Neutron Capture Cross Sections of the Krypton Isotopes

Keyword abstract: NUCLEAR REACTIONS $^{78, 80, 82, 83, 84, 86}\text{Kr}(n,\gamma)$, $E=3\text{-}243$ keV; measured capture $\sigma(E)$. $^{85}\text{Kr}(n,\gamma)$, $E=3\text{-}243$ keV; calculated capture $\sigma(E)$; deduced Maxwellian average capture σ for $^{78, 79, 80, 81, 82, 83, 84, 85, 86}\text{Kr}$. Statistical model.

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: 1984REZS

Reference: Proc.Conf.Neutron Physics, Kiev, Vol.1, p.163 (1984)

Authors: G.Reffo, F.Fabbri, A.Mengoni

Title: Importance of Valence Mechanism in Neutron Capture

Keyword abstract: NUCLEAR REACTIONS $^{86}\text{Kr}(n,\gamma)$, E=30 keV; calculated σ ; deduced valence capture mechanism role. ^{87}Kr resonances calculated $\Gamma\gamma$.

Keynumber: 1983WAZQ

Reference: NEANDC(E)-242U, Vol.V, p.7 (1983)

Authors: G.Walter, H.Beer

Title: Neutron Capture Cross Sections at 25 keV by the Activation Method

Keyword abstract: NUCLEAR REACTIONS ^{71}Ga , ^{75}As , 79 , ^{81}Br , ^{86}Kr , 85 , $^{87}\text{Rb}(n,\gamma)$, E=25 keV; measured Maxwellian averaged σ . Gold standard.

Keynumber: 1982RAZS

Reference: Bull.Am.Phys.Soc. 27, No.7, 727, EC2 (1982)

Authors: S.Raman, J.A.Harvey, R.L.Macklin, P.H.Stelson, B.Fogelberg, A.Schroder, K.-L.Kratz

Title: Levels in ^{87}Kr Studied by Neutron Resonance Reactions and in the β -Decay of ^{87}Br

Keyword abstract: NUCLEAR REACTIONS $^{86}\text{Kr}(n,\gamma)$, (n,X), E not given; measured σ (capture), transmission. ^{87}Kr deduced resonances, Γ_n .

Keyword abstract: RADIOACTIVITY $^{87}\text{Br}(\beta^-)$; measured $E\gamma, I\gamma$. ^{87}Kr deduced levels.

Keynumber: 1981FOZR

Reference: NEANDC(OR)-156/L, p.24 (1981)

Authors: B.Fogelberg

Title: A High Resolution Measurement of the Reaction $^{86}\text{Kr} + n$ for $E_n = 0-400$ keV

Keyword abstract: NUCLEAR REACTIONS $^{86}\text{Kr}(n,n')$, (n, γ), $E \leq 400$ keV; measured $\sigma(E)$. High resolution.

Keynumber: 1977JE03

Reference: Phys.Rev. C15, 1972 (1977)

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

Title: Gamma Rays from Thermal Neutron Capture in ^{86}Kr

Keyword abstract: NUCLEAR REACTIONS $^{86}\text{Kr}(n,\gamma)$, E=th; measured $E\gamma, I\gamma, \sigma$; deduced Q. ^{87}Kr deduced levels, J, π . Ge(Li) Compton suppression, pair spectrometers.

Keynumber: 1976JEZZ

Reference: Bull.Am.Phys.Soc. 21, No.1, 84, HE14 (1976)

Authors: C.M.Jensen, W.L.Buckley, R.G.Lanier, G.L.Struble, S.G.Prussin

Title: A Study of the $^{86}\text{Kr}(n,\gamma)$ Reaction using a Liquid Nitrogen Cryostat

Keyword abstract: NUCLEAR REACTIONS $^{86}\text{Kr}(n,\gamma)$, E=thermal; measured $\sigma(E\gamma)$; deduced Q. ^{87}Kr deduced levels.

Keynumber: 1976JE02

Reference: Nucl.Instrum.Methods 135, 21 (1976)

Authors: C.M.Jensen, W.M.Buckley, R.G.Lanier, G.L.Struble, S.G.Prussin, D.H.White

Title: A Cryostat for Forming Solid Krypton or Xenon Targets for Use in Capture Gamma-Ray Experiments

Keyword abstract: NUCLEAR REACTIONS Kr, $^{86}\text{Kr}(n,\gamma), E=\text{th}$; measured $E\gamma, I\gamma$. ^{87}Kr deduced transitions.

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 $\sigma(E)$.