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16 reference(s) found :

Keynumber: [2000WI08](#)

Reference: Phys.Rev. C61, 065801 (2000)

Authors: K.Wisshak, F.Voss, C.Arlandini, F.Kappeler, L.Kazakov

Title: Stellar Neutron Capture Cross Sections of the Yb Isotopes

Keyword abstract: NUCLEAR REACTIONS $^{170, 171, 172, 173, 174, 176}\text{Yb}(n,\gamma)$, (n,X) , $E=3-225$ keV; measured total, capture σ , isomer ratios; deduced Maxwellian averaged σ . Implications for stellar nucleosynthesis discussed.

Keynumber: 2000LE21

Reference: Appl.Radiat.Isot. 53, 421 (2000)

Authors: N.A.Lebedev, A.F.Novgorodov, R.Misiak, J.Brockmann, F.Rosch

Title: Radiochemical Separation of No-Carrier-Added ^{177}Lu as Produced via the $^{176}\text{Yb}(n,\gamma)^{177}\text{Yb} \rightarrow ^{177}\text{Lu}$ Process

Keyword abstract: NUCLEAR REACTIONS $^{176}\text{Yb}(n,\gamma)$, $E=\text{reactor}$; measured decay product yield. Radiochemical separation.

Keynumber: 1999BO14

Reference: Yad.Fiz. 62, No 5, 892 (1999); Phys.Atomic Nuclei 62, 832 (1999)

Authors: S.T.Boneva, E.V.Vasilieva, L.I.Simonova, V.A.Bondarenko, A.M.Sukhovi, V.A.Khitrov

Title: (n,γ) Reactions in Heavy Nuclei: Manifestations of nuclear structure at excitation energies up to the neutron binding energy

Keyword abstract: NUCLEAR REACTIONS ^{113}Cd , $^{123, 124}\text{Te}$, ^{127}I , $^{134, 136, 137, 138}\text{Ba}$, ^{139}La , $^{142, 143, 145}\text{Nd}$, ^{149}Sm , $^{155, 157}\text{Gd}$, ^{159}Tb , $^{162, 163, 164}\text{Dy}$, ^{165}Ho , ^{167}Er , ^{169}Tm , $^{173, 174, 176}\text{Yb}$, $^{175, 176}\text{Lu}$, $^{177, 178, 179, 180}\text{Hf}$, ^{181}Ta , $^{182, 186}\text{W}$, $^{187, 189}\text{Os}$, ^{191}Ir , ^{195}Pt , ^{197}Au , $^{199}\text{Hg}(n,\gamma)$, E not given; analyzed two-photon γ cascade data; deduced structure effects.

Keynumber: 1998WIZW

Reference: Proc.Intern.Symposium on Nuclear Astrophysics, Nuclei in the Cosmos V, Volos, Greece, July 6-11, 1998, N.Prantzos, S.Harissopoulos, Eds., Editions Frontieres, Paris, p.212 (1998)

Authors: K.Wisshak, F.Voss, C.Arlandini, F.Kappeler, T.Rauscher

Title: Neutron Capture in Dy and Yb Isotopes: Implications for the s-process

Keyword abstract: NUCLEAR REACTIONS ^{141}Pr , $^{160, 161, 162, 163, 164}\text{Dy}$, $^{170, 171, 172, 173, 174, 176}\text{Yb}(n,\gamma)$, $E=3-225$ keV; measured capture σ ; deduced stellar capture σ , s-process implications.

Keynumber: 1997SU29

Reference: Bull.Rus.Acad.Sci.Phys. 61, 1611 (1997)

Authors: A.M.Sukhovi, V.A.Khitrov

Title: Cascade Gamma Decay of the Compound State of Heavy Nucleus as Seen Experimentally

Keyword abstract: NUCLEAR REACTIONS ^{113}Cd , ^{127}I , ^{123}Te , $^{134, 136, 137, 138}\text{Ba}$, $^{142, 143, 145}\text{Nd}$, ^{149}Sm , $^{155, 157}\text{Gd}$, ^{159}Tb , ^{165}Ho , $^{162, 163, 164}\text{Dy}$, ^{167}Er , ^{169}Tm , $^{173, 174, 176}\text{Yb}$, $^{175, 176}\text{Lu}$, $^{177, 178, 179, 180}\text{Hf}$, ^{195}Pt , ^{199}Hg , ^{181}Ta , $^{182, 186}\text{W}$, ^{191}Ir , $^{197}\text{Au}(n,\gamma)$, $E=\text{thermal}$; analyzed γ spectra, $\gamma\gamma$ -coin. ^{114}Cd , ^{124}Te , $^{137, 138, 139}\text{Ba}$, ^{146}Nd , ^{150}Sm , $^{156, 158}\text{Gd}$, ^{160}Tb , ^{164}Dy , ^{168}Er , ^{170}Tm , ^{174}Yb , ^{181}Hf , ^{196}Pt , ^{200}Hg , ^{182}Ta , ^{183}W , ^{192}Ir , ^{198}Au deduced two-quantum cascade intensities vs excitation energy, level density parameters, pairing features.

Keynumber: 1997KI28

Reference: J.Radioanal.Nucl.Chem. 215, 219 (1997)

Authors: J.B.Kim, D.Trubert, O.Constantinescu, S.A.Karamian, Yu.Ts.Oganessian, Ch.Briancon, M.Hussonnois

Title: Purity Determination of Super-Enriched ^{176}Yb by Neutron Activation and Thermal Neutron Capture Cross Section Measurement of the High-Spin (16+) Isomer $^{178\text{m}2}\text{Hf}$

Keyword abstract: NUCLEAR REACTIONS $^{176}\text{Yb}(n,\gamma)$,E=thermal; measured $E\gamma$, $I\gamma$; deduced ^{176}Yb sample yield optimization,purity,enrichment features. $^{178\text{m}}\text{Hf}(n,\gamma)$,E=thermal; measured $E\gamma$, $I\gamma$; deduced capture σ to high-spin isomer in ^{179}Hf . High-spin $^{178\text{m}}\text{Hf}$ target from $(\alpha,2n)$ reaction on enriched ^{176}Yb target.

Keynumber: 1990BOZP

Reference: Program and Thesis, Proc.40th Ann.Conf.Nucl.Spectrosc.Struct.At.Nuclei, Leningrad, p.112 (1990)

Authors: S.T.Boneva, Eh.V.Vasileva, V.D.Kulik, Le Khong Kkhem, Yu.P.Popov, A.M.Sukhovoi, V.A.Khitrov, Yu.V.Kholnov

Title: Cascade γ -Decay of Compound State of ^{177}Yb

Keyword abstract: NUCLEAR REACTIONS $^{176}\text{Yb}(n,\gamma)$,E=thermal; measured $\gamma\gamma$ -coin,two γ -quantum cascade $I\gamma$.

Keynumber: 1990BO49

Reference: Izv.Akad.Nauk SSSR, Ser.Fiz. 54, 822 (1990); Bull.Acad.Sci.Ussr, Phys.Ser. 54, No.5, 5 (1990)

Authors: S.T.Boneva, E.V.Vasileva, V.D.Kulik, H.H.Le, Yu.P.Popov, A.M.Sukhovoi, V.A.Khitrov, Yu.V.Kholnov

Title: Cascade γ -Decay of the Compound State of ^{177}Yb

Keyword abstract: NUCLEAR REACTIONS $^{176}\text{Yb}(n,\gamma)$,E=thermal; measured $\gamma\gamma$ -coin. ^{177}Yb deduced levels, $J,\pi,I(\gamma\gamma)$.

Keynumber: 1974SI11

Reference: Ann.Phys.(New York) 83, 355 (1974)

Authors: K.Siddappa, M.S.Murty, J.R.Rao

Title: Neutron Strength Functions of Nuclei in the Deformed Region

Keyword abstract: NUCLEAR REACTIONS ^{138}Ba , 140 , ^{142}Ce , 146 , ^{148}Nd , 152 , ^{154}Sm , 158 , ^{160}Gd , ^{159}Tb , ^{169}Tm , ^{170}Er , 174 , ^{176}Yb , ^{180}Hf , ^{181}Ta , ^{186}W , 190 , ^{192}Os , ^{197}Au , $^{202}\text{Hg}(n,\gamma)$,E=18-28 keV; measured σ ; deduced p-wave strength functions.

Reference: Can.J.Phys. 52, 1160 (1974)

Authors: B.Singh, M.W.Johns

Title: Spin Determinations in Low Lying States of ^{151}Sm

Keyword abstract: RADIOACTIVITY ^{151}Pm ; measured $\gamma\gamma(\theta)$, $I\gamma$. ^{151}Sm levels deduced J,π,γ -mixing, λ .

Keynumber: 1973LI03

Reference: Phys.Rev. C7, 823 (1973)

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

Title: Neutron Resonance Spectroscopy. XI. The Separated Isotopes of Yb

Keyword abstract: NUCLEAR REACTIONS 170 , 171 , 172 , 173 , 174 , $^{176}\text{Yb}(n,X)$, (n,γ) ,E <20 keV;

measured $\sigma(E), \sigma(nT)(E)$ ^{171, 172, 173, 174, 175, 177}Yb deduced resonances, level-width.

Keynumber: 1972SI20

Reference: J.Phys.(London), A5, 877 (1972)

Authors: K.Siddappa, M.S.Murty, J.Rama Rao

Title: p Wave Neutron Capture in Medium and Heavy Weight Nuclei

Keyword abstract: NUCLEAR REACTIONS ^{74, 78}Se, ⁸⁴Sr, ¹⁰⁹Ag, ¹²²Te, ¹⁵⁹Tb, ¹⁶⁹Tm, ^{174, 176}Yb, ^{178, 179}Hf, ¹⁹²Os(n, γ), E=25 keV; measured average σ .

Keynumber: 1972RA26

Reference: Nucl.Sci.Eng. 48, 219 (1972)

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

Title: Values of the Neutron Resonance Capture Integral for Some Rare Earth Isotopes

Keyword abstract: NUCLEAR REACTIONS ^{152, 154}Sm, ¹⁵³Eu, ^{154, 158, 160}Gd, ^{166, 167, 168, 170}Er, ^{168, 170, 171, 172, 174, 176}Yb, ¹⁷⁵Lu, ^{182, 183, 184, 186}W(n, γ); calculated resonance integrals.

Keynumber: 1972AL19

Reference: Nucl.Phys. A186, 209 (1972)

Authors: G.Alenius, S.E.Arnell, C.Schale, E.Wallander

Title: Thermal-Neutron Capture Investigation of the N = 107 Isotones of ¹⁷⁷Yb And ¹⁷⁹Hf

Keyword abstract: NUCLEAR REACTIONS ¹⁷⁶Yb(n, γ), ¹⁷⁸Hf(n, γ), E=th; measured E γ , I γ , Q. ¹⁷⁷Yb, ¹⁷⁹Hf deduced levels, J, π . Enriched targets. Ge(Li) detector.

Keynumber: 1971HAXR

Coden: REPT NCSAC-42,P61,G Hacken,5/19/72

Keyword abstract: NUCLEAR REACTIONS ^{152, 154}Sm, ^{151, 153}Eu, ^{154, 158, 160}Gd, ^{166, 167, 168, 170}Er, ^{168, 170, 171, 172, 174, 176}Yb, ¹⁷⁵Lu, ^{182, 183, 184, 186}W(n, γ), measured capture resonance integrals.

Keynumber: 1970MUZS

Coden: CONF Madurai(Nucl,Solid State Phys),Vol2,P29

Keyword abstract: NUCLEAR REACTIONS ⁷⁴Se, ⁸⁴Sr, ¹⁰⁹Ag, ¹²²Te, ¹⁵⁹Tb, ¹⁶⁸Yb, ^{174, 176}Yb, ¹⁶⁹Tm, ^{178, 179}Hf, ¹⁹¹Ir, ¹⁹²Os(n, γ), E=25 MeV; measured σ .

Keynumber: 1966WAZZ

Reference: Proc.Intern.Conf.Study of Nucl.Struct.with Neutrons, Antwerp, Belgium (1965), M.N.De Mevergnies, P.Van Assche, J.Vervier, Eds., North-Holland Publishing Co., Amsterdam, p.572(1966); EANDC-50-S, Paper 187

Authors: N.-Y.Wang, E.N.Karzhavina, A.B.Popov, Y.S.Yazvitsky, C.-C.Yao

Title: Neutron Resonances of Yb Isotopes

Keyword abstract: NUCLEAR REACTIONS ^{171, 172, 173, 174, 176}Yb(n, γ), E < 150 eV; measured $\sigma(E)$. ^{172, 174}Yb deduced resonances, strength functions.