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12 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: 1998WIZW

Reference: Proc.Intern.Symposium on Nuclear Astrophysics, Nuclei in the Cosmos V, Volos, Greece, July 6-11, 1998, N.Prantzos, S.Harissopulos, 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: 1974SH25

Reference: Yad.Fiz. 20, 1092 (1974); Sov.J.Nucl.Phys. 20, 572 (1975)

Authors: V.S.Shorin, V.N.Kononov, E.D.Poletaev

Title: Cross Sections for Radiative Neutron Capture in the Energy Range 5-80 keV for Yb Isotopes

Keyword abstract: NUCLEAR REACTIONS $^{171, 172, 173, 174}\text{Yb}(n,\gamma)$, $E=5-80$ keV; measured relative $\sigma(E, E\gamma)$.

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

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 $^{152, 154}\text{Sm}$, ^{153}Eu , $^{154, 158, 160}\text{Gd}$, $^{166, 167, 168, 170}\text{Er}$, $^{168, 170, 171, 172, 174, 176}\text{Yb}$, ^{175}Lu , $^{182, 183, 184, 186}\text{W}(n,\gamma)$; calculated resonance integrals.

Keynumber: 1971RIZS

Coden: REPT BNL-50298,P139,10/21/71

Keyword abstract: NUCLEAR REACTIONS $^{170, 172}\text{Yb}(n,\gamma)$, $E=\text{slow}$; measured $E\gamma$, $I\gamma$. $^{171, 173}\text{Yb}$ deduced levels, Nilsson assignments.

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: 1971DO19

Reference: Int.J.Mass Spectrom.Ion Phys. 6, 435 (1971)

Authors: R.Dobrozemsky, F.Pichlmayer, F.P.Viehbock

Title: Massenspektrometrische Bestimmung der Neutronen-Einfangsquerschnitte von Isotopen der Seltenen Erden

Keyword abstract: NUCLEAR REACTIONS ^{147, 148}Sm, ^{154, 158}Gd, ^{160, 161, 162, 163}Dy, ¹⁶⁶Er, ^{170, 171, 172, 173}Yb(n,γ),E=pile,thermal; measured σ; deduced effective resonance integral.

Keynumber: 1971AL01

Reference: Nucl.Phys. A161, 209 (1971)

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

Title: Low Spin, Negative Parity States in the N = 103 Isotones of ¹⁷¹Er, ¹⁷³Yb and ¹⁷⁵Hf Identified by Thermal Neutron Capture Reactions

Keyword abstract: NUCLEAR REACTIONS ¹⁷⁰Er(n,γ), ¹⁷²Yb(n,γ), ¹⁷⁴Hf(n,γ),E=th; measured Eγ,Iγ,Q. ¹⁷¹Er, ¹⁷³Yb, ¹⁷⁵Hf deduced levels,J,π. Enriched targets. Ge(Li) detectors.

Keynumber: 1969NAZV

Reference: Contrib.Intern.Conf.Properties Nucl.States, Montreal, Canada, p.26 (1969)

Authors: A.I.Namenson, J.C.Ritter

Title: Regularities in Gamma Spectra Resulting from Thermal Neutron Capture by Even-Even Yb Isotopes

Keyword abstract: NUCLEAR REACTIONS ^{170, 171, 172, 173, 174}Yb(n,γ); measured Eγ,Iγ. Deduced Q. ^{171, 172, 173, 174, 175}Yb deduced levels.

Keynumber: 1969NA08

Reference: Phys.Rev. 183, 983 (1969)

Authors: A.I.Namenson, J.C.Ritter

Title: Thermal-Neutron-Capture Gamma Rays in Yb¹⁷⁰, Yb¹⁷², and Yb¹⁷⁴

Keyword abstract: NUCLEAR REACTIONS ^{170, 171, 172, 173, 174}Yb(n,γ), E = thermal; measured Eγ, Iγ; deduced Q. ^{171, 172, 173, 174, 175}Yb deduced levels, J, π. Ge(Li) detector.

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 σ(E). ^{172, 174}Yb deduced resonances,strength functions.