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21 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.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: 1984BE34

Reference: Phys.Rev. C30, 464 (1984)

Authors: H.Beer, G.Walter, R.L.Macklin, P.J.Patchett

Title: Neutron Capture Cross Sections and Solar Abundances of $^{160, 161}\text{Dy}$, $^{170, 171}\text{Yb}$, $^{175, 176}\text{Lu}$, and $^{176, 177}\text{Hf}$ for the s-Process Analysis of the Radionuclide ^{176}Lu

Keyword abstract: NUCLEAR REACTIONS $^{160, 161}\text{Dy}$, $^{170, 171}\text{Yb}$, $^{175, 176}\text{Lu}$, $^{176, 177}\text{Hf}(n,\gamma)$, $E \approx 3-500$ keV; measured $\sigma(E)$, γ yields; deduced Maxwellian $\langle \sigma \rangle$ solar abundances, s-process temperature constraints. $^{176, 177}\text{Lu}$, $^{177, 178}\text{Hf}$, $^{161, 162}\text{Dy}$, $^{171, 172}\text{Yb}$ deduced resonances, parameters, $(g\Gamma n\Gamma/\Gamma)$, s-wave strength functions.

Keynumber: 1980BEZC

Reference: NEANDC(E)-212U, Vol V, p.5 (1980)

Authors: H.Beer, F.Kappeler, K.Wisshak

Title: The Neutron Capture Cross Sections of Yb, ^{170}Yb , Lu, ^{175}Lu and ^{184}W

Keyword abstract: NUCLEAR REACTIONS ^{170}Yb , ^{175}Lu , ^{184}W , Yb, Lu, (n,γ) , $E=5-200$ keV; measured $\sigma(E)$.

Keynumber: 1979BEZF

Reference: Bull.Am.Phys.Soc. 24, No.7, 871, CC9 (1979)

Authors: H.Beer, F.Kappeler, K.Wisshak

Title: The Neutron Capture Cross Sections of Natural Yb, ^{170}Yb , ^{175}Lu and ^{184}W in the Energy Range from 5 to 200 keV for the ^{176}Lu -Chronometer

Keyword abstract: NUCLEAR REACTIONS Yb, ^{170}Yb , ^{175}Lu , $^{184}\text{W}(n,\gamma)$, $E=5-200$ keV; measured σ .

Keynumber: 1979AL20

Reference: Aust.J.Phys. 32, 447 (1979)

Authors: B.J.Allen, D.D.Cohen

Title: keV Neutron Capture Cross Section of ^{170}Yb

Keyword abstract: NUCLEAR REACTIONS $^{170}\text{Yb}(n,\gamma)$, $E=10-70$ keV; measured σ ; deduced S-process parameter.

Keynumber: 1975CHZT

Coden: REPT ERDA/NDC-2, p31, Chrien

Keyword abstract: NUCLEAR REACTIONS $^{162, 164}\text{Dy}$, ^{152}Sm , ^{156}Gd , ^{170}Yb , $^{158, 160}\text{Gd}$, $^{164, 166, 168, 170}\text{Er}(n,\gamma)$, $E=0.0253$ eV; measured $\sigma(E\gamma)$. $^{163, 165}\text{Dy}$, ^{153}Sm , ^{151}Gd , ^{171}Yb resonances deduced J,π .

Keynumber: 1974COZX

Coden: JOUR BAPSA 19 111 KI13

Keyword abstract: NUCLEAR REACTIONS ^{152}Sm , $^{162, 164}\text{Dy}$, ^{170}Yb , $^{186}\text{W}(n,\gamma)$; measured $\sigma(E)$. ^{153}Sm , $^{163, 165}\text{Dy}$, ^{171}Yb , ^{187}W levels deduced level-width.

Keynumber: 1974COYZ

Coden: REPT USNDC-11 P42

Keyword abstract: NUCLEAR REACTIONS ^{154}Sm , ^{170}Yb , ^{186}W , $^{156}\text{Gd}(n,\gamma)$; measured $\sigma(E\gamma)$.

Keynumber: 1974COYX

Coden: CONF Petten(Neutron Capture Gamma Ray Spectroscopy),P31

Keyword abstract: NUCLEAR REACTIONS ^{152}Sm , ^{170}Yb , $^{162, 164}\text{Dy}$, $^{186}\text{W}(n,\gamma)$, $E=0.025$ eV,thermal; measured σ .

Keynumber: 1974COYK

Coden: REPT BNL-18976,mf

Keyword abstract: NUCLEAR REACTIONS $^{162, 164}\text{Dy}$, ^{152}Sm , ^{170}Yb , $^{186}\text{W}(n,\gamma)$, $E=\text{epithermal}$; measured $\sigma(E\gamma)$. $^{163, 165}\text{Dy}$, ^{153}Sm resonances deduced J .

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: 1972WA10

Reference: Nucl.Phys. A188, 129 (1972)

Authors: E.Wallander, E.Selin

Title: Excited States in ^{171}Yb Identified by Thermal Neutron Capture Reactions

Keyword abstract: NUCLEAR REACTIONS $^{170}\text{Yb}(n,\gamma)$, $E=\text{th}$; measured $E\gamma, I\gamma, Q$. ^{171}Yb deduced levels, J,π . Enriched targets. Ge(Li) detectors.

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, 176Yb, 175Lu, 182, 183, 184, 186W(n, γ); calculated resonance integrals.

Keynumber: 1972MOYY

Coden: REPT ZFK-243,P93

Keyword abstract: NUCLEAR REACTIONS ^{164}Dy , 166 , 168 , ^{170}Er , 168 , ^{170}Yb , 178 , ^{180}Hf , 182 , ^{184}W (n, γ); compiled n-resonance data, (n, γ) decay modes.

Keynumber: 1971RIZS

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

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

Keynumber: 1971RI09

Reference: Nucl.Phys. A173, 477 (1971)

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

Title: Resonance Neutron Capture by ^{170}Yb and ^{172}Yb

Keyword abstract: NUCLEAR REACTIONS ^{170}Yb (n, γ), $E_n=8.1,40.1,66.8,73.0$ eV; measured $E\gamma$, $I\gamma$; ^{172}Yb (n, γ), $E_n=140,180,202$ eV; measured $E\gamma$, $I\gamma$. 171 , ^{173}Yb deduced levels, partial level-width. Enriched, natural 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 , ^{175}Lu , 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 , ^{166}Er , 170 , 171 , 172 , ^{173}Yb (n, γ), E =pile,thermal; measured σ ; deduced effective resonance integral.

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 $E\gamma$, $I\gamma$. 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 Yb^{170} , Yb^{172} , and Yb^{174}

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