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9 reference(s) found :

Keynumber: [2001BE33](#)

Reference: Phys.Rev. C64, 015801 (2001)

Authors: J.Best, H.Stoll, C.Arlandini, S.Jaag, F.Kappeler, K.Wisshak, A.Mengoni, G.Reffo, T.Rauscher

Title: s-Process Branchings at ^{151}Sm , ^{154}Eu , and ^{163}Dy

Keyword abstract: NUCLEAR REACTIONS $^{151}, ^{153}\text{Eu}$, $^{152}, ^{154}\text{Sm}$, $^{164}, ^{170}\text{Er}(n,\gamma)$, E=spectrum; measured σ . $^{151}, ^{152}, ^{153}, ^{154}, ^{155}\text{Eu}(n,\gamma)$, E=1-2000 keV; calculated σ . Activation technique, comparisons with previous measurements. Astrophysical implications discussed.

Keynumber: 1997KAZR

Reference: Proc.Intern.on Nuclear Data for Science and Technology, Trieste, Italy, 19-24 May, 1997, G.Reffo, A.Ventura, C.Grandi, Eds., Editrice Compositori, Italy, Pt.2, p.1576 (1997)

Authors: F.Kappeler, K.Wisshak, F.Voss, G.Reffo

Title: Improved (n, γ) Cross Sections in the Rare Earth Region: Implications for s- and r-Process Nucleosynthesis

Keyword abstract: NUCLEAR REACTIONS ^{141}Pr , $^{142}, ^{143}, ^{144}, ^{145}, ^{146}, ^{148}\text{Nd}$, $^{160}, ^{161}, ^{162}, ^{163}, ^{164}\text{Dy}$, $^{164}, ^{170}\text{Er}(n,\gamma)$, E not given; measured Maxwellian averaged σ at kT=30 keV. Activation technique.

Keynumber: 1997KA43

Reference: Nucl.Phys. A621, 221c (1997)

Authors: F.Kappeler

Title: Laboratory Studies of Heavy Element Formation

Keyword abstract: NUCLEAR REACTIONS $^{154}, ^{156}, ^{158}, ^{160}, ^{162}, ^{164}, ^{166}, ^{168}, ^{170}\text{Er}(n,\gamma)$, E not given; compiled, reviewed $\sigma(E)$ data, analyses; deduced p-stable isotopes study usefulness to normalizing Hauser-Feshbach rates near stability valley. Other data, other aspects discussed.

Keynumber: 1978ZAZV

Coden: REPT INDC(CCP)-111/U,p2,Zakharova

Keyword abstract: NUCLEAR REACTIONS $^{162}, ^{164}, ^{166}, ^{168}\text{Er}(n,n)$, (n,n'), (n, γ), E=0.0253 eV-15 MeV; evaluated $\sigma(E)$ from available data. $^{163}, ^{165}, ^{167}, ^{169}\text{Er}$ deduced average resonance parameters. Breit-Wigner analysis. Hauser-Feshbach model.

Keynumber: 1977GRZX

Coden: JOUR BAPSA 22 615 HG11, Greenwood

Keyword abstract: NUCLEAR REACTIONS $^{164}, ^{166}, ^{168}, ^{170}\text{Er}(n,\gamma)$, E=2-24 keV; measured $\sigma(E, E\gamma)$. $^{165}, ^{167}, ^{169}, ^{171}\text{Er}$ deduced primary transitions.

Keynumber: 1976KOZP

Reference: Bull.Am.Phys.Soc. 21, No.4, 658, JF6 (1976)

Authors: B.K.S.Koene, R.C.Greenwood, H.I.Liou, R.E.Chrien

Title: Gamma Ray Spectroscopy from $^{164}\text{Er}(n,\gamma)^{165}\text{Er}$ at Resonance and at 2- and 24-keV Neutron Energies

Keyword abstract: NUCLEAR REACTIONS $^{164}\text{Er}(n,\gamma)$, E=resonance, 2, 24 keV; measured $\sigma(E, E\gamma)$.

^{165}Er deduced levels, J, π .

Keynumber: 1975CHZT

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

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

Keynumber: 1970BO29

Reference: Phys.Rev. C2, 1951 (1970)

Authors: L.M.Bollinger, G.E.Thomas

Title: Average-Resonance Method of Neutron-Capture γ -Ray Spectroscopy: States of ^{106}Pd , ^{156}Gd , ^{158}Gd , ^{166}Ho , and ^{168}Er

Keyword abstract: NUCLEAR REACTIONS $^{102}, ^{104}, ^{105}\text{Pd}$, $^{154}, ^{155}, ^{156}, ^{157}\text{Gd}$, $^{164}, ^{166}, ^{167}, ^{168}\text{Er}$, $^{165}\text{Ho}(\text{n}, \gamma)$, $E=\text{thermal, epithermal}$; measured $E\gamma, I\gamma$; deduced Q. $^{103}, ^{105}\text{Pd}$, $^{155}, ^{157}\text{Gd}$, $^{165}, ^{167}, ^{169}\text{Er}$ deduced levels. ^{106}Pd , $^{156}, ^{158}\text{Gd}$, ^{166}Ho , ^{168}Er deduced levels, J, π .

Keynumber: 1968KA17

Reference: Yadern.Fiz. 7, 225 (1968); Soviet J.Nucl.Phys. 7, 161 (1968)

Authors: E.N.Karzhavina, A.B.Popov, Y.S.Yazvitskii

Title: Neutron Resonances of Erbium Isotopes

Keyword abstract: NUCLEAR REACTIONS $^{164}, ^{166}, ^{167}, ^{168}, ^{170}\text{Er}(\text{n}, \gamma)$, $E=15-4730$ eV; measured $I\gamma, \sigma$. $^{165}, ^{167}, ^{168}, ^{169}, ^{171}\text{Er}$ deduced resonances, level-width, strength functions. Natural, enriched targets.