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Keynumber: 1999VO02
Reference: Phys.Rev. C59, 1154 (1999)
Authors: F.Voss, K.Wisshak, C.Arlandini, F.Kappeler, L.Kazakov, T.Rauscher
Title: Stellar Neutron Capture Cross Sections of Pr and Dy Isotopes
Keyword abstract: NUCLEAR REACTIONS ^{141}Pr, $^{160, 161, 162, 163, 164}$Dy(n,$\gamma$),E=3-225 keV; measured total,capture σ; deduced Maxwellian averaged neutron capture σ at stellar energies. Astrophysical implications discussed.

Keynumber: 1999MI27
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Authors: S.Mizuno, M.Igashira, K.Masuda
Title: Measurements of keV-Neutron Capture Cross Sections and Capture Gamma-Ray Spectra of ^{161,162,163}Dy
Keyword abstract: NUCLEAR REACTIONS $^{161, 162, 163}$Dy(n,γ),E=10-90,550 keV; measured Eγ,Iγ,capture σ. Comparison with evaluated data,previous measurements.

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

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Title: Improved (n,γ) Cross Sections in the Rare Earth Region: Implications for s- and r-Process Nucleosynthesis
Keyword abstract: NUCLEAR REACTIONS ^{141}Pr, $^{142, 143, 144, 145, 146, 148}$Nd, $^{160, 161, 162, 163, 164}$Dy, $^{164, 170}$Er(n,γ),E not given; measured Maxwellian averaged σ at kT=30 keV. Activation technique.

Keynumber: 1995BE02
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Title: ^{162}Dy Studied with (n,γ), (n,n'γ), (d,p) and (d,t) Reactions

Keyword abstract: NUCLEAR REACTIONS ^{161}Dy(n,γ), ^{162}Dy(n,n'γ),E=fast,thermal; measured γ-spectra. ^{161}Dy(d,p),E=15,22 MeV; ^{163}Dy(d,t),E=22 MeV; measured spectra. ^{162}Dy deduced levels,configurations. Quasiparticle-phonon nuclear model.

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Title: ^{162}Dy Studied with the (d,p), (d,t), (n,γ) and (n,n'γ) Reactions

Keyword abstract: NUCLEAR REACTIONS ^{161}Dy(n,γ), ^{162}Dy(n,n'γ),E=reactor; measured Eγ,Iγ,γγ-coin. ^{161}Dy(d,p),E=15,22 MeV; ^{163}Dy(d,t),E=22 MeV; measured particle spectra. ^{162}Dy deduced levels,J,π.

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

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Keynumber: 1983WA08
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Authors: D.D.Warner, R.F.Casten, W.R.Kane, W.Gelletly

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Keyword abstract: NUCLEAR REACTIONS $^{161, 163}$Dy(n,γ),E=2,24 keV,resonance; measured Eγ,Iγ. $^{162, 164}$Dy deduced levels,J,π,band structure,B(E2) ratios. Average resonance capture spectroscopy,enriched targets,Ge(Li) detectors. Interacting boson approximation,geometrical models.

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Authors: D.F.Zaretskii, V.K.Sirotkin

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Keyword abstract: NUCLEAR REACTIONS ^{35}Cl, ^{55}Mn, ^{68}Zn, ^{78}Se, ^{88}Sr, ^{96}Mo, ^{107}Ag, ^{116}Sn, ^{129}I, ^{143}Nd, ^{149}Sm, ^{161}Dy, ^{169}Tm, ^{179}Hf, ^{191}Ir, ^{199}Hg, ^{203}Tl, ^{235}, ^{238}U, ^{243}Am(n,γ); calculated total Γγ assuming dipole transitions.

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Keynumber: 1977GEZN

Coden: CONF Tokyo (Nucl Structure),Proc,Vol1,P405,Gelletly

Keyword abstract: NUCLEAR REACTIONS ^{167}Er, ^{161}Dy(n,γ),E=slow; measured Eγ,Iγ. ^{168}Er, ^{162}Dy levels deduced γ-branching,δ.

Keynumber: 1975LI02

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Authors: H.I.Liou, G.Hacken, J.Rainwater, U.N.Singh

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Coden: REPT JINR-P3-6948,E N Karzhavina
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Keynumber: 1970VEZZ
Coden: REPT BNL-tr-495,V P Vertebnyi,1/3/73
Keyword abstract: NUCLEAR REACTIONS ^{161}, ^{162}, ^{163}, ^{164}Dy(n,X), (n,γ),E <1 eV; measured σ(nT)(E). ^{11}B,C,V,Cu, ^{63}, ^{65}Cu,Ge, ^{70}, ^{72}, ^{73}, ^{74}Ge,Cd, ^{110}, ^{111}, ^{112}, ^{114}, ^{116}Cd,Ce, ^{140}, ^{142}Ce, ^{153}Eu,Dy, ^{161}, ^{162}, ^{163}, ^{164}Dy,Ho,Er, ^{162}, ^{164}, ^{166}, ^{167}, ^{168}, ^{170}Er,Yb,Lu,Pb(n,n),E <10 eV; measured σ(E).

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Title: Gamma-Rays in the 1 MeV Region from the Reaction ^{161}Dy(n,γ)^{162}Dy
Keyword abstract: NUCLEAR REACTIONS ^{161}Dy(n,γ), E = thermal; measured Eγ, Iγ. ^{162}Dy deduced levels, K, J, π, branching ratio. Ge(Li) detector.