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**22 reference(s) found :**

**Keynumber:** 2000HAZX

**Reference:** INDC(JPN)-185/U (JAERI-Conf 2000-005), p.131 (2000)

**Authors:** A.K.M.Harun-Ar-Rashid, M.Igashira, T.Ohsaki

**Title:** Measurement of keV-Neutron Capture Cross Sections and Capture Gamma-Ray Spectra of Er Isotopes

**Keyword abstract:** NUCLEAR REACTIONS  $^{166}, ^{167}, ^{168}\text{Er}(n,\gamma)$ , E=10-90,550 keV; measured  $E\gamma, I\gamma$ , capture  $\sigma$ . Comparison with previous results.

**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:** 1991HI23

**Reference:** J.Radioanal.Nucl.Chem. 153, 169 (1991)

**Authors:** P.Z.Hien, T.K.Mai, T.X.Quang, N.V.Loc, T.N.Thuy

**Title:** Determination of  $k_0$ -Factors of Short-Lived Nuclides ( $T \geq 1$  Min) by Thermal Neutron Activation Technique

**Keyword abstract:** NUCLEAR REACTIONS  $^{19}\text{F}, ^{37}\text{Cl}, ^{45}\text{Sc}, ^{76}\text{Se}, ^{103}\text{Rh}, ^{106}\text{Pd}, ^{109}\text{Ag}, ^{138}\text{Ce}, ^{164}\text{Dy}, ^{166}\text{Er}, ^{178}\text{Hf}(n,\gamma)$ , E=thermal; measured  $\gamma$ -spectra.  $^{20}\text{F}, ^{38m}\text{Cl}, ^{46m}\text{Sc}, ^{77m}\text{Se}, ^{104}\text{Rh}, ^{107}\text{Pd}, ^{110}\text{Ag}, ^{139m}\text{Ce}, ^{165m}\text{Dy}, ^{167m}\text{Er}, ^{179m}\text{Hf}$  deduced  $k_0$ -Au factors.

**Keynumber:** 1988BO19

**Reference:** Z.Phys. A330, 153 (1988)

**Authors:** S.T.Boneva, V.A.Khitrov, Yu.P.Popov, A.M.Sukhovej, E.V.Vasilieva, Yu.S.Yazvitsky

**Title:** Cascade  $\gamma$ -Decay of Compound-State of the Nuclei  $^{163}\text{Dy}, ^{167}\text{Er}$  and  $^{179}\text{Hf}$

**Keyword abstract:** NUCLEAR REACTIONS  $^{162}\text{Dy}, ^{166}\text{Er}, ^{178}\text{Hf}(n,\gamma)$ , E=thermal; measured two-quanta cascade  $E\gamma, I\gamma$ .  $^{163}\text{Dy}, ^{167}\text{Er}, ^{179}\text{Hf}$  deduced transition characteristics.

**Keynumber:** 1987BOZG

**Reference:** JINR-P3-87-513 (1987)

**Authors:** S.T.Boneva, E.V.Vasileva, Yu.P.Popov, A.M.Sukhovei, V.A.Khitrov, Yu.S.Yazvitsky

**Title:** Cascade Gamma-Decay of Compound States of  $^{163}\text{Dy}, ^{167}\text{Er}$  and  $^{179}\text{Hf}$  Nuclei

**Keyword abstract:** NUCLEAR REACTIONS  $^{162}\text{Dy}, ^{166}\text{Er}, ^{178}\text{Hf}(n,\gamma)$ , E=thermal; measured  $\gamma\gamma$ -coin,  $I\gamma$ .  $^{163}\text{Dy}, ^{167}\text{Er}, ^{179}\text{Hf}$  deduced levels, J,  $\pi$ , two-quanta cascade intensities,  $\gamma$ -multipolarity. Amplitude summation method.

**Keynumber:** 1978ZAZV

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

**Keyword abstract:** NUCLEAR REACTIONS  $^{162}, ^{164}, ^{166}, ^{168}\text{Er}(n,n), (n,n'), (n,\gamma)$ , 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.

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**Keynumber:** 1978KO04

**Reference:** Yad.Fiz. 27, 10 (1978); Sov.J.Nucl.Phys. 27, 5 (1978)

**Authors:** V.N.Kononov, B.D.Yurlov, E.D.Poletaev, V.M.Timokhov

**Title:** Fast-Neutron Capture Cross Sections for Even-Even Isotopes of Neodymium, Samarium, Gadolinium, and Erbium

**Keyword abstract:** NUCLEAR REACTIONS  $^{142}, ^{144}, ^{146}, ^{148}, ^{150}\text{Nd}, ^{144}, ^{148}, ^{150}, ^{152}, ^{154}\text{Sm}, ^{156}, ^{158}, ^{160}\text{Gd}, ^{166}, ^{168}, ^{170}\text{Er}(n,\gamma), E=5-350$  keV; measured  $\sigma(E)$ .

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**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.

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**Keynumber:** 1975CHZT

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

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

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**Keynumber:** 1974SH03

**Reference:** Yad.Fiz. 19, 5 (1974); Sov.J.Nucl.Phys. 19, 2 (1974)

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

**Title:** Neutron Radiative-Capture Cross Sections in the Energy Region 5-70 keV For Gd and Er Isotopes

**Keyword abstract:** NUCLEAR REACTIONS  $^{154}, ^{155}, ^{156}, ^{157}, ^{158}, ^{160}\text{Gd}(n,\gamma), ^{166}, ^{167}, ^{168}, ^{170}\text{Er}(n,\gamma), E=5-70$  keV; measured  $\sigma(E)$ .

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**Keynumber:** 1973LAYT

**Reference:** INDC(HUN)-11/L, p.26 (1973)

**Authors:** L.Lakosi, A.Veres

**Title:** Activation Experiments of Photo-Neutrons by using  $^{24}\text{Na}$ -Be Source

**Keyword abstract:** NUCLEAR REACTIONS  $^{55}\text{Mn}, ^{114}, ^{116}\text{Cd}, ^{115}\text{In}, ^{127}\text{I}, ^{152}, ^{154}\text{Sm}, ^{166}, ^{170}\text{Er}, ^{175}\text{Lu}, ^{191}, ^{193}\text{Ir}(n,\gamma), ^{107}, ^{109}\text{Ag}, ^{111}\text{Cd}, ^{115}\text{In}, ^{167}\text{Er}, ^{176}\text{Lu}(n,n'\gamma)$ ; measured  $\sigma$ .

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

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**Keynumber:** 1972MOYY

**Coden:** REPT ZFK-243,P93

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

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**Keynumber:** 1971WAYT

**Reference:** Bull.Amer.Phys.Soc. 16, No.4, 496, AH9 (1971)

**Authors:** O.A.Wasson, S.F.Mughabghab, R.E.Chrien

**Title:** Determination of Spins of Neutron Resonances of Er<sup>167</sup>

**Keyword abstract:** NUCLEAR REACTIONS <sup>166</sup>Er(n,γ),E=5.9-107.7 eV; measured I<sub>γ</sub>-ratios. <sup>167</sup>Er resonances deduced J.

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**Keynumber:** 1971MEZN

**Coden:** JOUR BAPSA 16 1181,M L Mehta,10/29/71

**Keyword abstract:** NUCLEAR REACTIONS <sup>166</sup>, <sup>168</sup>, <sup>170</sup>Er, <sup>182</sup>, <sup>184</sup>, <sup>186</sup>W, <sup>238</sup>U, <sup>232</sup>Th(n,γ), analyzed available data; deduced widths,level spacings.

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**Keynumber:** 1971HAXR

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

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

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**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 <sup>147</sup>, <sup>148</sup>Sm, <sup>154</sup>, <sup>158</sup>Gd, <sup>160</sup>, <sup>161</sup>, <sup>162</sup>, <sup>163</sup>Dy, <sup>166</sup>Er, <sup>170</sup>, <sup>171</sup>, <sup>172</sup>, <sup>173</sup>Yb(n,γ),E=pile,thermal; measured σ; deduced effective resonance integral.

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**Keynumber:** 1971BE48

**Reference:** Ann.Phys.(N.Y.) 65, 181 (1971)

**Authors:** M.Beer

**Title:** Doorway States and Primary Neutron Capture Gamma-Rays

**Keyword abstract:** NUCLEAR REACTIONS <sup>93</sup>Nb, <sup>165</sup>Ho, <sup>166</sup>Er, <sup>169</sup>Tm, <sup>183</sup>W(n,γ),E=resonance; calculated resonance widths,doorway state contributions.

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**Keynumber:** 1970MI01

**Reference:** Nucl.Phys. A143, 225 (1970)

**Authors:** W.Michaelis, F.Weller, U.Fanger, R.Gaeta, G.Markus, H.Ottmar, H.Schmidt

**Title:** Band Mixing in <sup>167</sup>Er

**Keyword abstract:** NUCLEAR REACTIONS <sup>166</sup>Er(n,γ), E = th; measured E<sub>γ</sub>, I<sub>γ</sub>, γγ-coin; deduced Q. <sup>167</sup>Er deduced levels, J, π. Enriched target, Ge(Li) detector.

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**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 <sup>106</sup>Pd, <sup>156</sup>Gd, <sup>158</sup>Gd, <sup>166</sup>Ho, and <sup>168</sup>Er

**Keyword abstract:** NUCLEAR REACTIONS <sup>102</sup>, <sup>104</sup>, <sup>105</sup>Pd, <sup>154</sup>, <sup>155</sup>, <sup>156</sup>, <sup>157</sup>Gd, <sup>164</sup>, <sup>166</sup>, <sup>167</sup>, <sup>168</sup>Er, <sup>165</sup>Ho(n,γ),E=thermal,epithermal; measured E<sub>γ</sub>,I<sub>γ</sub>; deduced Q. <sup>103</sup>, <sup>105</sup>Pd, <sup>155</sup>, <sup>157</sup>Gd, <sup>165</sup>, <sup>167</sup>, <sup>169</sup>Er

deduced levels.  $^{106}\text{Pd}$ ,  $^{156}$ ,  $^{158}\text{Gd}$ ,  $^{166}\text{Ho}$ ,  $^{168}\text{Er}$  deduced levels,  $J, \pi$ .

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**Keynumber:** 1968NA21

**Reference:** Thesis, Physikinstitut, Reaktorzentrum Seibersdorf, Austria (1968); SGAE-PH-78/1968

**Authors:** H.Nabielek

**Title:** Untersuchung von Obergangsraten Elektromagnetischer Übergänge durch Messung der Lebensdauer Angeregter Kernniveaus nach Neutroneneinfang

**Keyword abstract:** NUCLEAR REACTIONS  $^{55}\text{Mn}$ ,  $^{197}\text{Au}$ ,  $^{152}\text{Sm}$ ,  $^{162}$ ,  $^{164}\text{Dy}$ ,  $^{166}\text{Er}$ ,  $^{168}\text{Yb}(n, \gamma)$ ,  $E$  not given; measured  $\gamma$ -delay.  $^{56}\text{Mn}$ ,  $^{153}\text{Sm}$ ,  $^{163}$ ,  $^{165}\text{Dy}$ ,  $^{198}\text{Au}$ ,  $^{167}\text{Er}$ ,  $^{169}\text{Yb}$  levels deduced  $T_{1/2}$ .

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