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69 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}Er(n,γ),E=10-90,550 keV; measured Eγ,Iγ,capture σ. Comparison with previous results.

Keynumber: 2000HA35
Reference: J.Nucl.Sci.Technol.(Tokyo) 37, 421 (2000)
Authors: A.K.M.Harun-Ar-Rashid, T.-I.Ro, M.Igashira, T.Ohsaki
Title: Measurement of keV-Neutron Capture Cross Sections and Capture Gamma-Ray Spectra of ^{167}Er
Keyword abstract: NUCLEAR REACTIONS ^{167}Er(n,γ),E=10-90,550 keV; measured Eγ,Iγ,capture σ. Comparison with previous results.

Keynumber: 2000GR34
Reference: Fizika(Zagreb) B9, 147 (2000)
Authors: E.P.Grigoriev, V.A.Khitrov, A.M.Sukhovoj, E.V.Vasilieva
Title: A Search for the γ-Decay of the ^{168}Er Compound Nucleus in the (n,2γ) Reaction
Keyword abstract: NUCLEAR REACTIONS ^{167}Er(n,γ),E=reactor; measured Eγ,Iγ,γγ-coin. ^{168}Er deduced levels,J,π,two-step cascade intensities,level density. Comparison with model predictions.

Keynumber: **2000GE14**
Reference: Phys.Rev. C62, 034313 (2000)
Authors: L.Genilloud, J.Jolie, H.G.Borner, H.Lehmann, F.Becvar, M.Krticka, N.V.Zamfir, R.F.Casten
Title: Lifetimes of Negative Parity States in ^{168}Er
Keyword abstract: NUCLEAR REACTIONS ^{167}Er(n,γ),E=reactor; measured Doppler-broadened Eγ,Iγ. ^{168}Er levels deduced $T_{1/2}$,B(E1). Gamma-ray induced Doppler broadening technique. Comparison with IBA model predictions.

Keynumber: 1999SU03
Reference: Yad.Fiz. 62, No 1, 24 (1999); Phys.Atomic Nuclei 62, 19 (1999)
Authors: A.M.Sukhovoi, V.A.Khitrov
Title: Experimental Estimate of the Density of Levels in a Heavy Nucleus That Are Excited in (n,γ) Reactions at Excitation Energies of 3 to 4 MeV
Keyword abstract: NUCLEAR REACTIONS ^{113}Cd, ^{123}Te, ^{145}Nd, ^{149}Sm, ^{155}, ^{157}Gd, ^{162}, ^{163}, ^{164}Dy, ^{167}Er, ^{173}, ^{174}Yb, ^{177}, ^{178}, ^{180}Hf, ^{187}, ^{189}Os, ^{195}Pt, ^{199}Hg, ^{127}I, ^{159}Tb, ^{165}Ho, ^{169}Tm, ^{175}Lu, ^{181}Ta, ^{191}Ir, ^{197}Au, ^{124}Te, ^{182}, ^{185}W(n,γ),E=thermal; analyzed Iγ; deduced non-exponential level densities.

Keynumber: 1999GRZP
Reference: JINR-E3-99-146 (1999)
Authors: E.P.Grigoriev, V.A.Khitrov, A.M.Sukhovoj, E.V.Vasilieva
Title: A Search for the γ-Decay of the ^{168}Er Compound Nucleus in the (n,2γ) Reaction

Keyword abstract: NUCLEAR REACTIONS ^{167}Er(n,γ),E=reactor; measured Eγ,Iγ,γγ-coin. ^{168}Er deduced levels,J,π,collective features.

Keynumber: 1999BO14
Reference: Yad.Fiz. 62, No 5, 892 (1999); Phys.Atomic Nuclei 62, 832 (1999)
Authors: S.T.Boneva, E.V.Vasilieva, L.I.Simonova, V.A.Bondarenko, A.M.Sukhovoi, V.A.Khitrov
Title: (n,γ) Reactions in Heavy Nuclei: Manifestations of nuclear structure at excitation energies up to the neutron binding energy
Keyword abstract: NUCLEAR REACTIONS ^{113}Cd, ^{123}, ^{124}Te, ^{127}I, ^{134}, ^{136}, ^{137}, ^{138}Ba, ^{139}La, ^{142}, ^{143}, ^{145}Nd, ^{149}Sm, ^{155}, ^{157}Gd, ^{159}Tb, ^{162}, ^{163}, ^{164}Dy, ^{165}Ho, ^{167}Er, ^{169}Tm, ^{173}, ^{174}, ^{176}Yb, ^{175}, ^{176}Lu, ^{177}, ^{178}, ^{179}, ^{180}Hf, ^{181}Ta, ^{182}, ^{186}W, ^{187}, ^{189}Os, ^{191}Ir, ^{195}Pt, ^{197}Au, ^{199}Hg(n,γ),E not given; analyzed two-photon γ cascade data; deduced structure effects.

Keynumber: **1998LE03**
Reference: Phys.Rev. C57, 569 (1998)
Authors: H.Lehmann, J.Jolie, F.Corminboeuf, H.G.Borner, C.Doll, M.Jentschel, R.F.Casten, N.V.Zamfir
Title: Lifetimes of the Lowest 2^+(K(π) = 0^+) Levels in ^{168}Er and ^{164}Dy
Keyword abstract: NUCLEAR REACTIONS ^{167}Er, ^{163}Dy(n,γ),E=reactor; measured Eγ,Iγ. ^{168}Er, ^{164}Dy deduced levels $T_{1/2}$,B(E2)B(M1),excited K(π)=0^+ band configurations. Gamma-ray induced Doppler broadening technique. Several models compared.

Keynumber: 1997SU29
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Authors: A.M.Sukhovoi, V.A.Khitrov
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Keyword abstract: NUCLEAR REACTIONS ^{113}Cd, ^{127}I, ^{123}Te, ^{134}, ^{136}, ^{137}, ^{138}Ba, ^{142}, ^{143}, ^{145}Nd, ^{149}Sm, ^{155}, ^{157}Gd, ^{159}Tb, ^{165}Ho, ^{162}, ^{163}, ^{164}Dy, ^{167}Er, ^{169}Tm, ^{173}, ^{174}, ^{176}Yb, ^{175}, ^{176}Lu, ^{177}, ^{178}, ^{179}, ^{180}Hf, ^{195}Pt, ^{199}Hg, ^{181}Ta, ^{182}, ^{186}W, ^{191}Ir, ^{197}Au(n,γ),E=thermal; analyzed γ spectra,γγ-coin. ^{114}Cd, ^{124}Te, ^{137}, ^{138}, ^{139}Ba, ^{146}Nd, ^{150}Sm, ^{156}, ^{158}Gd, ^{160}Tb, ^{164}Dy, ^{168}Er, ^{170}Tm, ^{174}Yb, ^{181}Hf, ^{196}Pt, ^{200}Hg, ^{182}Ta, ^{183}W, ^{192}Ir, ^{198}Au deduced two-quantum cascade intensities vs excitation energy,level density parameters,pairing features.

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Authors: V.A.Khitrov, A.M.Sukhovoy
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Keyword abstract: NUCLEAR REACTIONS ^{167}Er, ^{174}Yb, ^{176}Lu, ^{181}Ta(n,γ),E=thermal; measured Eγ,Iγ,γγ-coin. ^{168}Er, ^{175}Yb, ^{177}Lu, ^{182}Ta deduced collective excitations.

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Authors: R.L.Gill, R.F.Casten, W.R.Phillips, B.J.Varley, J.L.Durell, J.A.Shannon, C.J.Lister, D.D.Warner

Title: Neutron Capture Studies of ^{168}Er using the TESSA Array
Keyword abstract: NUCLEAR REACTIONS ^{167}Er(n,γ),E=thermal; measured Eγ,Iγ,γγ-coin. ^{168}Er deduced levels,J,π.

Keynumber: 1997BOZV
Reference: Proc.9th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Budapest, Hungary, October 1996, G.L.Molnar, T.Belgya, Zs.Revay, Eds., Vol.1, p.483 (1997)
Authors: S.T.Boneva, V.A.Khitrov, Yu.P.Popov, A.M.Sukhovoj
Title: Nuclear Phase Transition - The Discovery and Experimental Study Possibilities
Keyword abstract: NUCLEAR REACTIONS ^{155}Gd, ^{167}Er, ^{169}Tm, ^{197}Au(n,γ),E not given; analyzed two-step cascade intensity distributions; deduced pairing role,temperature effects.

Keynumber: 1996GRZX
Reference: Proc.11th Seminar on Precise Measurements in Nucl.Spectrosc., Sarov, p.26 (1996)
Authors: E.P.Grigorev
Title: On the Excited States of ^{168}Er
Keyword abstract: NUCLEAR REACTIONS ^{167}Er(n,γ),E=thermal; ^{168}Er(n,n'γ),E=fast; analyzed data. ^{168}Er deduced levels,J,π,bands.

Keynumber: **1996GI09**
Reference: Phys.Rev. C54, 2276 (1996)
Authors: R.L.Gill, R.F.Casten, W.R.Phillips, B.J.Varley, C.J.Lister, J.L.Durell, J.A.Shannon, D.D.Warner
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Keynumber: **1994JU02**
Reference: Phys.Rev. C49, 88 (1994)
Authors: A.Jungclaus, R.F.Casten, R.L.Gill, H.G.Borner
Title: Levels in ^{168}Er Above 2 MeV and the Onset of Chaos
Keyword abstract: NUCLEAR REACTIONS ^{167}Er(n,γ),E=thermal; measured Eγ,Iγ,γγ-coin. ^{168}Er deduced levels,J,π,γ-multipolarity.

Keynumber: **1993RE06**
Reference: Phys.Rev. C47, 2621 (1993)
Authors: J.Rekstad, T.S.Tveter, M.Guttormsen, L.Bergholt
Title: K Dependence in the Gamma Decay of Neutron Resonances in ^{168}Er and ^{178}Hf
Keyword abstract: NUCLEAR REACTIONS ^{167}Er, ^{177}Hf(n,γ),E not given; analyzed γ-decay data following neutron capture. ^{178}Hf, ^{168}Er deduced levels,Iγ,J,π,K. Transition rate K-selection rule dependence discussed.

Keynumber: 1992BOZF
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Authors: M.Bogdanovic, J.Simic
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Keyword abstract: NUCLEAR REACTIONS ^{167}Er(n,γ),E=thermal; measured Eγ,Iγ,γγ(t). ^{168}Er deduced transitions. NaI(Tl),Ge(Li) detectors.

Keynumber: 1991PE12
Reference: Nucl.Phys. A533, 49 (1991)
Authors: P.Petkov, W.Andrejtscheff, J.Copnell, S.J.Robinson
Title: E1 and M1 Transition Strengths from Two-Quasiparticle Structures in ^{168}Er
Keyword abstract: NUCLEAR REACTIONS ^{167}Er(n,γ),E=thermal; measured Eγ,Iγ,γγ(t). ^{168}Er levels deduced $T_{1/2}$,B(λ). Natural target,Ge detectors,generalized centroid-shift analysis,E1 systematics.

Keynumber: 1991DAZT
Reference: PIRS-0288/NRC (1991)
Authors: W.F.Davidson, W.R.Dixon
Title: Identification of Rotational Bands at Intermediate Excitation in ^{168}Er
Keyword abstract: NUCLEAR REACTIONS ^{167}Er(n,γ),E not given; measured Eγ,Iγ. ^{168}Er deduced levels,J,π,band structure. Curved-crystal spectrometer.

Keynumber: 1991DA12
Reference: J.Phys.(London) G17, 1683 (1991)
Authors: W.F.Davidson, W.R.Dixon
Title: Identification of Rotational Bands at Intermediate Excitation in ^{168}Er
Keyword abstract: NUCLEAR REACTIONS ^{167}Er(n,γ),E=thermal; measured Eγ,Iγ. ^{168}Er deduced levels,radiative decay,transition γ-multipolarity,J,π,band structure. Curved-crystal spectometers,intrinsic Ge spectrometer.

Keynumber: 1988PE06
Reference: J.Phys.(London) G14, Supplement S97 (1988)
Authors: P.Petkov, W.Andrejtscheff, Ch.Protochristov, W.D.Hamilton, F.Hoyler, V.V.Martynov
Title: Absolute E0,E1 and E2 Transition Rates in Even-Even Nuclei Obtained in Thermal Neutron Capture
Keyword abstract: NUCLEAR REACTIONS ^{167}Er, ^{195}Pt, ^{123}Te(n,γ),E=thermal; measured γγ (θ,t),time-related γ-spectra. ^{168}Er, ^{196}Pt, ^{124}Te levels deduced $T_{1/2}$,B(λ).

Keyword abstract: NUCLEAR STRUCTURE ^{172}Yb; analyzed data; deduced level characteristics,B (λ).

Keynumber: 1987BOZF
Reference: JINR-E3-87-536 (1987)
Authors: S.T.Boneva, V.A.Khitrov, Yu.P.Popov, A.M.Sukhovoi, E.V.Vasilieva, Yu.S.Yazvitsky
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Keyword abstract: NUCLEAR REACTIONS ^{174}Yb, ^{167}Er, ^{177}, ^{178}Hf(n,γ),E=thermal; measured γγ-coin,Iγ. ^{175}Yb, ^{168}Er, ^{178}, ^{179}Hf deduced two-quanta cascade intensities. Amplitude summation method.

Keynumber: 1984PR03
Reference: Z.Phys. A315, 103 (1984)
Authors: W.V.Prestwich, M.A.Islam, T.J.Kennett
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Keyword abstract: NUCLEAR REACTIONS ^{143}Nd, ^{162}, ^{164}Dy, ^{165}Ho, ^{167}Er, ^{173}Yb, ^{179}Hf

(n,γ),E=thermal; measured Eγ,Iγ. ^{144}Nd, ^{163}, ^{165}Dy, ^{166}Ho, ^{168}Er, ^{174}Yb, ^{180}Hf deduced E2 transition Γγ upper limits. Axel-Brink hypothesis based analysis.

Keynumber: 1984DA26
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Authors: W.F.Davidson, W.R.Dixon, R.S.Storey
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Keyword abstract: NUCLEAR REACTIONS ^{167}Er(n,γ),E=reactor; measured capture γ-spectra,γγ-coin. ^{168}Er deduced levels,J,π,rotational band spectra.

Keynumber: 1983KAZK
Reference: ORNL-6004, p.105 (1983)
Authors: S.Kahana, G.G.Slaughter, S.Raman, C.Coceva, M.Stefanon
Title: Electric Dipole Transitions from Neutron Capture in ^{167}Er Resonances
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Keynumber: 1983DA21
Reference: Phys.Lett. 130B, 161 (1983)
Authors: W.F.Davidson, W.R.Dixon, D.G.Burke, J.A.Cizewski
Title: Identification and Decay Properties of the Fourth K(π) = 0^+ Band in ^{168}Er
Keyword abstract: NUCLEAR REACTIONS ^{167}Er(n,γ),E=thermal; measured Eγ,Iγ. ^{167}Er(n,e^-),E=thermal; measured I(ce). ^{166}Er(t,p),E=17 MeV; measured σ(Ep),σ(θ). ^{168}Er deduced levels,J,π,K,γ-branching,δ,ICC,band structure.

Keynumber: 1981ST16
Reference: Phys.Rev. C24, 1419 (1981)
Authors: M.L.Stelts, R.E.Chrien, M.K.Martel
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Keyword abstract: NUCLEAR REACTIONS ^{147}, ^{149}, ^{154}Sm, ^{165}Ho, ^{167}Er, ^{181}Ta, ^{182}W, ^{189}Os, ^{195}Pt, ^{197}Au, ^{236}, ^{238}U(n,γ),E=2,24 keV; measured Eγ,Iγ for average resonance capture. ^{148}, ^{150}, ^{155}Sm, ^{166}Ho, ^{168}Er, ^{182}Ta, ^{183}W, ^{190}Os, ^{196}Pt, ^{198}Au, ^{237}, ^{239}U deduced level density parameters. Fermi gas model.

Keynumber: 1981DA05
Reference: J.Phys.(London) G7, 455 (1981); Addendum/Corrigendum J.Phys.(London) G7, 843 (1981)
Authors: W.F.Davidson, D.D.Warner, R.F.Casten, K.Schreckenbach, H.G.Borner, J.Simic, M.Stojanovic, M.Bogdanovic, S.Koicki, W.Gelletly, G.B.Orr, M.L.Stelts
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Keynumber: 1980DAZZ
Coden: JOUR PHCAA 36 No3 6,AE5,Davidson

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Keynumber: 1979DAZO
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Authors: F.Braumandl, K.Schreckenbach, T.von Egidy

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Keynumber: 1978GE03
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Authors: W.Gelletly, W.F.Davidson, J.Simic, H.G.Borner, A.F.Diggory, W.Mampe, K.Schreckenbach, D.D.Warner

Title: Intraband Transition Rates in the Gamma-Vibrational Bands of ^{162}Dy and ^{168}Er

Keyword abstract: NUCLEAR REACTIONS ^{167}Er, ^{161}Dy(n,γ); measured γ-spectrum. ^{168}Er, ^{162}Dy deduced transition rates,δ.

Keynumber: 1978DAZP
Coden: CONF Brookhaven(Neutron Capt γ-Ray Spectr),Proc,P594,Davidson

Keyword abstract: NUCLEAR REACTIONS ^{167}Er(n,γ),E=thermal; measured Eγ,Iγ,I(ce),γγ-coin. ^{168}Er deduced levels,J,π,band structure,γ-branching.

Keynumber: 1978DAZG
Coden: CONF BNL(Neutron Capt γ-Ray Spectr),Contrib,No21,Davidson

Keyword abstract: NUCLEAR REACTIONS ^{167}Er(n,γ),E=th; measured Eγ,Iγ,I(ce),γγ-coin. ^{168}Er deduced levels,γ-branching. GAMS curved-crystal spectrometer.

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: 1976SIZQ
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Title: Investigation of the ^{168}Er 1094 keV Isomeric Level Feeding from the ^{167}Er(n,Gamma) Reaction
Keyword abstract: NUCLEAR REACTIONS ^{167}Er(n,γ); measured γ-spectrum. ^{168}Er deduced levels.

Keynumber: 1976ALZI
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Keyword abstract: NUCLEAR REACTIONS ^{167}Er(n,γ),E=5.9-132 eV; measured Eγ,Iγ. ^{168}Er deduced resonances,J,π,Γ.

Keynumber: 1975SIZO
Coden: CONF Petten(Neutron Capture γ-ray Spect),Proc P574
Keyword abstract: NUCLEAR REACTIONS ^{133}Cs, ^{167}Er(n,γ),E=thermal; measured γγ-coin. ^{134}Cs, ^{168}Er deduced transitions.

Keynumber: 1975RIZI
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Keyword abstract: NUCLEAR REACTIONS ^{133}Cs, ^{167}Er(n,γ); measured Eγ,Iγ. ^{134}Cs, ^{168}Er deduced transitions.

Keynumber: 1974SIZO
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Keyword abstract: NUCLEAR REACTIONS ^{167}Er, ^{134}Cs(n,γ),E=thermal; measured Eγ,Iγ,γγ-coin,γγ (t). ^{168}Er deduced levels.

Keynumber: 1974SH03
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Keyword abstract: NUCLEAR REACTIONS ^{154}, ^{155}, ^{156}, ^{157}, ^{158}, ^{160}Gd(n,γ), ^{166}, ^{167}, ^{168}, ^{170}Er (n,γ), E=5-70 keV; measured σ(E).

Keynumber: 1974RIZG
Coden: CONF Petten(Neutron Capture Gamma Ray Spectroscopy),P81
Keyword abstract: NUCLEAR REACTIONS ^{133}Cs, ^{167}Er(n,γ); measured σ(E,Eγ). ^{134}Cs, ^{168}Er deduced resonances,J.

Keynumber: 1974OLZV
Coden: JOUR ZEPYA 267 No3 abstracts,B J Olma
Keyword abstract: NUCLEAR REACTIONS ^{167}Er(n,γ); measured E(ce),I(ce). ^{168}Er deduced levels, γ-multipolarity.

Keynumber: 1973SOZP
Coden: REPT UKNDC(73)-P53 32
Keyword abstract: NUCLEAR REACTIONS ^{167}Er(n,γ); measured σ(Eγ). ^{168}Er resonances deduced J,level-width.

Keynumber: 1973PRZI
Reference: Spectra of Electromagnetic Transitions and Level Schemes Following Thermal Neutron Capture by Nuclides with A 143-193, P.Prokofev, J.Berzins, G.Rezvaya, Eds., Publishing House 'Zinatne', Riga (1973)
Authors: P.Prokofev, M.Balodis, M.Beitins, Y.Berzin, V.Bondarenko, N.Kramer, A.Krumina, G.Rezvaya, L.Simonova
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Keyword abstract: NUCLEAR REACTIONS ^{143}, ^{145}Nd, ^{149}Sm, ^{167}Er, ^{174}Yb, ^{175}, ^{176}Lu, ^{177}, ^{178}Hf, ^{181}Ta, ^{186}W(n,γ), E=thermal; measured Eγ,Iγ,I(ce). Deduced ICC. ^{151}Eu, ^{155}Gd(n,γ), E=thermal; measured Eγ,I(ce). Deduced ICC. ^{157}Gd, ^{162}, ^{164}Dy, ^{165}Ho, ^{168}Yb, ^{169}Tm(n,γ), E=thermal; measured I (ce). Deduced ICC. ^{191}, ^{193}Ir(n,γ),E=thermal; measured Eγ,Iγ. ^{144}Nd, ^{150}Sm, ^{156}, ^{158}Gd, ^{163}, ^{165}Dy, ^{166}Ho, ^{168}Er, ^{169}, ^{175}, ^{177}Yb, ^{170}Tm, ^{176}Lu, ^{178}Hf, ^{182}Ta deduced levels,J,π, γ-multipolarities. ^{146}Nd, ^{185}W, ^{194}Ir deduced levels,J,π. ^{152}Eu deduced transitions,γ-multipolarities. ^{187}W, ^{192}Ir deduced transitions.

Keynumber: 1973ALXV
Coden: REPT RCN-203 P365
Keyword abstract: NUCLEAR REACTIONS ^{167}Er(n,γ); measured γ(θ,H). ^{168}Er levels deduced μ.

Keynumber: 1972THZU
Reference: AERE-PP/NP 18, p.23 (1972)
Authors: B.W.Thomas, H.P.Axmann, P.Riehs, E.R.Rae
Title: Resonance Capture Gamma-Ray Studies
Keyword abstract: NUCLEAR REACTIONS ^{133}Cs, ^{167}Er, ^{169}Tm, ^{181}Ta(n,γ); measured σ(Eγ). ^{134}Cs, ^{168}Er, ^{170}Tm, ^{182}Ta resonances deduced J.

Keynumber: 1972THZI
Coden: REPT AERE-PR/NP-19 P14
Keyword abstract: NUCLEAR REACTIONS ^{167}Er, ^{240}Pu(n,γ); measured σ(Eγ). ^{168}Er, ^{241}Pu deduced transitions.

Keynumber: 1972RA26
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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}Sm, ^{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); calculated resonance integrals.

Keynumber: 1972AXZZ
Coden: REPT AERE-PR/NP 18,P4,8/16/72
Keyword abstract: NUCLEAR REACTIONS Ni, ^{58}Ni, ^{167}Er(n,γ),E <1 MeV; Ni, ^{58}Ni,Fe,C,Tm, ^{166},

^{167}, ^{170}Er(n,X),E <10 keV; measured σ(nt)(E),σ(E).

Keynumber: 1972ALZC
Coden: REPT JINR-P3-6611,V Alfimenkov,2/14/73
Keyword abstract: NUCLEAR REACTIONS ^{167}Er(n,γ),measured σ(Eγ),Iγ. ^{168}Er deduced μ.

Keynumber: 1971WAZZ
Coden: JOUR BAPSA 16 496
Keyword abstract: NUCLEAR REACTIONS ^{167}Er(n,γ),E=resonance; measured σ(Eγ,θ(γ)). ^{168}Er resonances deduced J.

Keynumber: 1971MOZL
Coden: REPT BNL-50298,P21,10/21/71
Keyword abstract: NUCLEAR REACTIONS ^{167}Er(n,γ),E <100 eV; measured Eγ,Iγ. ^{168}Er deduced resonances,J.

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: 1971CHYS
Coden: REPT NCSAC-42,P43,R Chrien,5/19/72
Keyword abstract: NUCLEAR REACTIONS ^{167}Er(n,γ), measured Iγ. ^{168}Er deduced resonances,J.

Keynumber: 1971AXZZ
Coden: REPT INDC(Aus)-2/g,P11,12/15/71
Keyword abstract: NUCLEAR REACTIONS ^{167}Er, ^{181}Ta(n,γ), E not given; measured Iγ. ^{168}Er, ^{182}Ta deduced resonances,J.

Keynumber: 1970WE04
Reference: Phys.Rev. C1, 1501 (1970)
Authors: K.J.Wetzel, G.E.Thomas
Title: Method for Determining Spins of Neutron Resonances
Keyword abstract: NUCLEAR REACTIONS ^{95}Mo, ^{105}Pd, ^{135}Ba, ^{167}Er, ^{177}Hf, ^{183}W(n,γ), E=resonance; measured σ(Eγ). ^{96}Mo, ^{106}Pd, ^{136}Ba, ^{168}Er, ^{178}Hf, ^{184}W deduced resonances, J.

Keynumber: 1970PRZZ
Reference: Program and Theses, Proc.20th Ann.Conf.Nucl.Spectrosc.Struct.At.Nuclei, Pt.1, Leningrad, p.129 (1970)
Authors: P.T.Prokofev, G.L.Rezvaya
Title: Collective Levels in ^{168}Er, Excited in (n,γ) Reactions
Keyword abstract: NUCLEAR REACTIONS ^{167}Er(n,γ), E=thermal; measured Eγ. ^{168}Er deduced levels, J, K, π.

Keynumber: 1970PR11
Reference: Izv.Akad.Nauk SSSR, Ser.Fiz. 34, 719 (1970); Bull.Acad.Sci.USSR, Phys.Ser. 34, 625

(1971)
Authors: P.T.Prokofev, G.L.Rezvaya
Title: Collective Levels in ^{168}Er Excited in the (n,γ) Reaction
Keyword abstract: NUCLEAR REACTIONS ^{167}Er(n,γ), E=thermal; measured Eγ,I(ce). ^{168}Er deduced levels,J,K,π,γ-branching,ICC,γ-multipolarity. Enriched target.

Keynumber: 1970MI09
Reference: Nucl.Phys. A150, 161 (1970)
Authors: W.Michaelis, H.Ottmar, F.Weller
Title: Two-Quasiparticle States in ^{168}Er
Keyword abstract: NUCLEAR REACTIONS ^{167}Er(n,γ),E=th; measured Eγ,Iγ; deduced Q. ^{168}Er deduced levels,J,K,π. Er,Sm,Gd(n,γ),E=th; measured Eγ,Iγ. ^{150}Sm, ^{156}, ^{158}Gd, ^{167}Er deduced transitions. Natural target, Ge(Li) detectors.

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}Pd, ^{154}, ^{155}, ^{156}, ^{157}Gd, ^{164}, ^{166}, ^{167}, ^{168}Er, ^{165}Ho(n,γ),E=thermal,epithermal; measured Eγ,Iγ; deduced Q. ^{103}, ^{105}Pd, ^{155}, ^{157}Gd, ^{165}, ^{167}, ^{169}Er deduced levels. ^{106}Pd, ^{156}, ^{158}Gd, ^{166}Ho, ^{168}Er deduced levels,J,π.

Keynumber: 1969FAZX
Reference: Proc.Intern.Symp.Neutron Capture Gamma-Ray Spectroscopy, Studsvik, Intern.At.En.Agency, Vienna, p.351 (1969)
Authors: E.Falkstrom-Lund, A.Backlin
Title: Study of the Reaction ^{167}Er(n,γ)^{168}Er
Keyword abstract: NUCLEAR REACTIONS ^{167}Er(n,γ); measured Eγ. ^{168}Er deduced levels,J,π,K.

Keynumber: 1968PA18
Reference: Ukr.Fiz.Zh.(Ukr.Ed.) 13, 2083 (1968); Ukr.Phys.J. 13, 1490 (1969)
Authors: E.A.Pavlenko, N.L.Gnidak
Title: Variations in the Spectra of Gamma Rays Arising on the Capture of Resonance Neutrons of Er^{167}
Keyword abstract: NUCLEAR REACTIONS ^{167}Er(n,γ), E=0.3-30 eV; measured σ(Eγ). ^{168}Er resonances deduced level-width.

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}Er(n,γ), E=15-4730 eV; measured Iγ, σ. ^{165}, ^{167}, ^{168}, ^{169}, ^{171}Er deduced resonances, level-width, strength functions. Natural, enriched targets.

Keynumber: 1968BO21
Reference: Phys.Rev.Letters 21, 233 (1968)

Authors: L.M.Bollinger, G.E.Thomas
Title: Nuclear Spectroscopy with Average Spectra from Neutron Resonance Capture
Keyword abstract: NUCLEAR REACTIONS ^{167}Er(n,γ), E=20-500 eV; measured Eγ, Iγ. ^{168}Er deduced levels, J, π.

Keynumber: 1967RA24
Reference: Proc.Intern.Conf.Atomic Masses, 3rd, Winnipeg, Canada, R.C.Barber, Ed., Univ.Manitoba Press, p.278(1967)
Authors: N.C.Rasmussen, V.J.Orphan, Y.Hukai
Title: Determination of (n,γ) Reaction Q Values from Capture γ-Ray Spectra
Keyword abstract: NUCLEAR REACTIONS ^{6}Li, ^{7}Li, ^{9}Be, ^{10}B, ^{12}C, ^{14}N, ^{19}F, ^{23}Na, ^{24}Mg, ^{25}Mg, ^{26}Mg, ^{27}Al, ^{28}Si, ^{31}P, ^{32}S, ^{35}Cl, ^{40}Ca, ^{45}Sc, ^{48}Ti, ^{51}V, ^{55}Mn, ^{54}Fe, ^{56}Fe, ^{59}Co, ^{58}Ni, ^{60}Ni, ^{63}Cu, ^{65}Cu, ^{66}Zn, ^{67}Zn, ^{73}Ge, ^{76}Se, ^{85}Rb, ^{87}Rb, ^{89}Y, ^{93}Nb, ^{103}Rh, ^{113}Cd, ^{123}Te, ^{133}Cs, ^{139}La, ^{141}Pr, ^{149}Sm, ^{153}Eu, ^{157}Gd, ^{159}Tb, ^{165}Ho, ^{167}Er, ^{169}Tm, ^{181}Ta, ^{182}W, ^{195}Pt, ^{197}Au, ^{199}Hg, ^{203}Tl, ^{207}Pb(n,γ), E = thermal; measured Eγ; deduced Q. Natural targets.

Keynumber: 1967BR09
Reference: Nucl.Instr.Methods 50, 29(1967)
Authors: L.Broman
Title: A Spectrometer for Neutron Capture Gamma Ray Studies
Keyword abstract: NUCLEAR REACTIONS ^{167}Er(n,γ),E=thermal; measured Eγ. Ge(Li) detector, crystal spectrometer.

Keynumber: 1966BO29
Reference: Izv.Akad.Nauk SSSR, Ser.Fiz. 30, 1173 (1966); Bull.Acad.Sci.USSR, Phys.Ser. 30, 1225 (1967)
Authors: V.A.Bondarenko, P.T.Prokofev
Title: Multipole Orders of Transitions Within the Kπ =4- Band of Er^{168}
Keyword abstract: NUCLEAR REACTIONS ^{167}Er(n,γ),E=thermal; measured E(ce),I(ce). ^{168}Er transitions deduced γ-mixing.
