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54 reference(s) found :

Keynumber: 2001SHZW
Reference: INDC(CPR)-053/L, p.29 (2001)
Authors: Q.Shen, Y.Zhuang, Q.Liang
Title: Calculation and Recommendation of n + $^{142-148,150}$Nd Reactions in the Energy Region up to 20 MeV
Keyword abstract: NUCLEAR REACTIONS $^{142, 143, 144, 145, 146, 147, 148, 150}$Nd(n,n), (n,γ), (n,X),E <20 MeV; calculated σ,σ(θ). Comparisons with data.

Keynumber: 2000OHZZ
Reference: BNL-NCS-67469 (2000)
Authors: S.-Y.Oh, J.Chang, S.Mughabghab
Title: Neutron Cross Section Evaluations of Fission Products Below the Fast Energy Region
Keyword abstract: NUCLEAR REACTIONS ^{95}Mo, ^{99}Tc, ^{101}Ru, ^{103}Rh, ^{105}Pd, ^{109}Ag, ^{131}Xe, ^{133}Cs, ^{141}Pr, $^{143, 145}$Nd, $^{147, 149, 150, 151, 152}$Sm, ^{153}Eu, $^{155, 157}$Gd(n,γ),E <250 keV; compiled,analyzed capture σ,resonance parameters,related features. Comparison with data,previous evaluations.

Keynumber: 1999VE10
Reference: J.Nucl.Sci.Technol.(Tokyo) 36, 855 (1999)
Authors: T.Veerapaspong, M.Igashira, S.Mizuno, J.-I.Hori, T.Ohsaki
Title: Measurement of keV-Neutron Capture Cross Sections and Capture Gamma-Ray Spectra of ^{143,145,146}Nd
Keyword abstract: NUCLEAR REACTIONS $^{143, 145, 146}$Nd(n,γ),E=10-90,550 keV; measured Eγ,Iγ,capture σ. Comparison with previous results.

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: 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: 1998WI04

Reference: Phys.Rev. C57, 391 (1998)
Authors: K.Wisshak, F.Voss, F.Kappeler, L.Kazakov, G.Reffo
Title: Stellar Neutron Capture Cross Sections of the Nd Isotopes
Keyword abstract: NUCLEAR REACTIONS $^{142, 143, 144, 145, 146}$Nd(n,$\gamma$),E=3-225 keV; measured total,capture σ(En); deduced Maxwellian averaged σ at kT=10-100 keV,astrophysical s-process implications.

Keynumber: 1997WI13
Reference: Nucl.Phys. A621, 270c (1997)
Authors: K.Wisshak, F.Voss, F.Kappeler, L.Kazakov
Title: Neutron Capture in Neodymium Isotopes: Implications for the s-process
Keyword abstract: NUCLEAR REACTIONS $^{142, 143, 144, 145, 146, 148}$Nd(n,$\gamma$),E=10,30 keV; measured capture σ. Other data compared,astrophysical s-process implications.

Keynumber: 1997SU29
Reference: Bull.Rus.Acad.Sci.Phys. 61, 1611 (1997)
Authors: A.M.Sukhovoi, V.A.Khitrov
Title: Cascade Gamma Decay of the Compound State of Heavy Nucleus as Seen Experimentally
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,$\gamma\gamma$-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.

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, $^{142, 143, 144, 145, 146, 148}$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: 1996HO31
Reference: Nucl.Instrum.Methods Phys.Res. A376, 434 (1996)
Authors: J.Honzatko, K.Konecny, I.Tomandl, J.Vacik, F.Becvar, P.Cejnar
Title: Facility and Method for Studying Two-Step γ Cascades in Thermal Neutron Capture
Keyword abstract: NUCLEAR REACTIONS ^{145}Nd(n,γ),E=thermal; measured Eγ,Iγ,sum spectra. Dedicated facility for two-step cascades.

Keynumber: 1995HO20
Reference: Phys.Scr. T56, 253 (1995)
Authors: J.Honzatko, K.Konecny, I.Tomandl, F.Becvar, P.Cejnar
Title: Two-Step Gamma Cascades following Thermal-Neutron Capture in $^{143, 145}$Nd
Keyword abstract: NUCLEAR REACTIONS $^{143, 145}$Nd(n,γ),E=thermal; measured two-step cascade Iγ. $^{144, 146}$Nd deduced M1 transition strength model description features. Models comparison.

Keyword abstract: NUCLEAR STRUCTURE ^{144}, ^{146}Nd; calculated resonances,Γ. Different models.

Keynumber: 1992BE54
Reference: At.Energ. 72, 95 (1992); Sov.At.Energy 72, 91 (1992)
Authors: S.M.Bednyakov, G.N.Manturov
Title: Refining Fission-Product Capture Cross Sections in Reactivity-Perturbation Experiments
Keyword abstract: NUCLEAR REACTIONS ^{95}, ^{97}, ^{98}, ^{100}Mo, ^{103}Rh, ^{109}Ag, ^{141}Pr, ^{143}, ^{145}Nd, ^{149}Sm, ^{153}Eu(n,γ),E=reactor; analyzed fission product neutron capture σ data. Reactivity-perturbation experiments.

Keynumber: 1991BO14
Reference: Z.Phys. A338, 319 (1991)
Authors: S.T.Boneva, V.A.Khitrov, A.M.Sukhovoj, A.V.Voinov
Title: Intensities of Two-Quanta Cascades at Different Excitation Energies of Compound Nuclei ^{146}Nd, ^{174}Yb and ^{183}W
Keyword abstract: NUCLEAR REACTIONS ^{145}Nd, ^{173}Yb, ^{182}W(n,γ),E=reactor; analyzed cascade Iγ. ^{146}Nd, ^{174}Yb, ^{183}W deduced two-quanta cascade energy dependence.

Keynumber: 1990MUZX
Reference: Program and Thesis, Proc.40th Ann.Conf.Nucl.Spectrosc.Struct.At.Nuclei, Leningrad, p.86 (1990)
Authors: A.V.Murzin, I.V.Kononenko, A.M.Shkarupa
Title: Primary γ-Transitions following Capture of 2 and 24 keV Neutrons by ^{187}Os, ^{145}Nd Nuclei
Keyword abstract: NUCLEAR REACTIONS ^{187}Os, ^{145}Nd(n,γ),E=2,24 keV; measured Eγ,Iγ. ^{188}Os, ^{146}Nd deduced levels.

Keynumber: 1990BOZV
Reference: JINR-E3-90-45 (1990)
Authors: S.T.Boneva, V.A.Khitrov, A.M.Sukhovoi, A.V.Voinov
Title: Intensities of Two-Quanta Cascades at Different Excitation Energies of Compound Nuclei ^{146}Nd, ^{147}Yb and ^{183}W
Keyword abstract: NUCLEAR REACTIONS ^{145}Nd, ^{173}Yb, ^{182}W(n,γ); measured $\gamma\gamma$-coin,I$\gamma\gamma$ vs primary transition Eγ. Amplitude summation method. Fermi-gas model,Strutinsky shell correction approach.

Keynumber: 1989BOZO
Reference: Program and Thesis, Proc.39th Ann.Conf.Nucl.Spectrosc.Struct.At.Nuclei, Tashkent, p.87 (1989)
Authors: S.T.Boneva, E.V.Vasileva, A.V.Voinov, Yu.P.Popov, A.M.Sukhovoj, V.A.Khitrov
Title: Gamma-Decay Scheme of ^{146}Nd from ^{145}Nd(n,2γ)^{146}Nd Reaction using Thermal Neutrons
Keyword abstract: NUCLEAR REACTIONS ^{145}Nd(n,γ),E=thermal; measured Eγ,Iγ. ^{146}Nd deduced levels.

Keynumber: 1989BOYS
Reference: JINR-P6-89-31 (1989)
Authors: S.T.Boneva, E.V.Vasileva, A.V.Voinov, Yu.P.Popov, A.M.Sukhovoi, V.A.Khitrov
Title: The ^{146}Nd γ-Decay Scheme from the ^{145}Nd(n,2γ) Reaction Induced by Thermal Neutrons

Keyword abstract: NUCLEAR REACTIONS ^{145}Nd(n,γ),E=thermal; measured Eγ,Iγγ,γγ-coin. ^{146}Nd deduced levels. Amplitude summation method.

Keynumber: 1989BO55
Reference: Izv.Akad.Nauk SSSR, Ser.Fiz. 53, 2401 (1989); Bull.Acad.Sci.USSR, Phys.Ser. 53, No.12, 124 (1989)
Authors: S.T.Boneva, E.V.Vasileva, A.V.Voinov, Yu.P.Popov, A.M.Sukhovoi, V.A.Khitrov
Title: γ-Decay of the Compound State of ^{146}Nd from the ^{145}Nd(n,2γ) Reaction Initiated by Thermal Neutrons
Keyword abstract: NUCLEAR REACTIONS ^{145}Nd(n,γ),E=thermal; measured γγ-coin spectra,amplitude summation. ^{146}Nd levels deduced double-γ cascade intensities.

Keynumber: 1988MU26
Reference: Izv.Akad.Nauk SSSR, Ser.Fiz. 52, 2216 (1988); Bull.Acad.Sci.USSR, Phys.Ser. 52, No.11, 135 (1988)
Authors: A.V.Murzin
Title: Gamma Spectroscopy Based on Filtered Neutron Beams of an Atomic Reactor
Keyword abstract: NUCLEAR REACTIONS ^{179}Hf, ^{191}Ir, ^{143}, ^{145}Nd, ^{50}V(n,γ),E=reactor; measured γ-spectra,reduced intensities; deduced correlation coefficient.

Keynumber: 1983SN01
Reference: J.Phys.(London) G9, 111 (1983)
Authors: D.M.Snelling, W.D.Hamilton
Title: Gamma-Gamma Directional Correlation Measurements in ^{146}Nd following Thermal-Neutron Capture
Keyword abstract: NUCLEAR REACTIONS ^{145}Nd(n,γ),E=thermal; measured Eγ,Iγ,γγ(θ),oriented nuclei. ^{146}Nd deduced levels,J,π,δ,γ-branching. Interacting boson model.

Keynumber: 1983RA18
Reference: J.Phys.(London) G9, L137 (1983)
Authors: S.Raman, O.Shahal, M.J.Kenny, R.E.Chrien
Title: Reliability of Resonance-Averaged Neutron-Capture Measurements
Keyword abstract: NUCLEAR REACTIONS ^{145}Nd(n,γ),E ≈ 2 keV; analyzed data. ^{146}Nd deduced primary transition. Resonance-averaged capture measurement.

Keynumber: 1983HA01
Reference: J.Phys.(London) G9, L13 (1983)
Authors: W.D.Hamilton, S.J.Robinson, D.M.Snelling
Title: Are Primary γ-Ray Intensities in ARC Measurements a Reliable Basis for Level Identification and Spin-Parity Assignment (Question)
Keyword abstract: NUCLEAR REACTIONS ^{143}, ^{145}Nd(n,γ),E=thermal; analyzed γγ(θ),oriented nuclei; deduced average resonance capture analysis inadecquacy. ^{146}, ^{144}Nd deduced levels,J,π.

Keynumber: 1982RAZG
Reference: Proc.4th.Intern.Symp.on Neutron Capture Gamma-Ray Spectroscopy and Related Topics, Grenoble (1981), T.von Egidy, F.Gonnenwein, B.Maier, Eds., p.435 (1982)
Authors: S.Raman, O.Shahal, D.A.McClure, M.J.Kenny
Title: Anomalous Transitions in ^{144}Nd and ^{146}Nd in ' 2 keV ' (n,γ) Measurements

Keyword abstract: NUCLEAR REACTIONS $^{143, 145}$Nd(n,γ),E=resonance; measured γ-spectra. $^{144, 146}$Nd deduced levels,J,π,γ-multipolarity.

Keynumber: 1982IS05
Reference: Phys.Rev. C25, 3184 (1982)
Authors: M.A.Islam, T.J.Kennett, W.V.Prestwich
Title: Neutron Separation Energies of Some Heavy Nuclides
Keyword abstract: NUCLEAR REACTIONS $^{142, 143, 145}$Nd, $^{155, 157}$Gd, $^{161, 162, 164}$Dy, ^{165}Ho, $^{174, 173}$Yb(n,γ),E=thermal; measured Eγ. $^{143, 144, 146}$Nd, $^{156, 158}$Gd, $^{162, 163, 164, 165}$Dy, ^{166}Ho, $^{175, 174}$Yb deduced neutron separation energy.

Keynumber: 1979NAZZ
Reference: NEANDC(J)-61/U, p.1 (1979)
Authors: Y.Nakajima, A.Asami, Y.Kawarasaki, Y.Furuta, T.Yamamoto, Y.Kanda
Title: Neutron Capture Cross Section Measurements of Nd-143,Nd-145,Nd146 and Nd-148
Keyword abstract: NUCLEAR REACTIONS $^{143, 145, 146, 148}$Nd(n,γ),E=5-400 keV; measured σ. Liquid scintillation detector.

Keynumber: 1979ANZJ
Reference: Bull.Am.Phys.Soc. 24, No.7, 879, ED4 (1979)
Authors: R.A.Anderl, Y.D.Harker, F.Schmittroth
Title: Neodymium, Samarium and Europium Capture Cross-Section Adjustments Based on EBR-II Integral Measurements
Keyword abstract: NUCLEAR REACTIONS $^{143, 145}$Nd, $^{147, 149}$Sm,Eu(n,γ),E=1-100 keV; measured integral σ.

Keynumber: 1978NAZU
Coden: REPT NEANDC(J)-56/U,P7,Nakajima
Keyword abstract: NUCLEAR REACTIONS $^{143, 145, 146, 148}$Nd(n,γ),E<00 keV; measured σ. Enriched target.

Keynumber: 1977II01
Reference: J.Nucl.Sci.Technol. 14, 161 (1977)
Authors: S.Iijima, T.Nakagawa, Y.Kikuchi, M.Kawai, H.Matsunobu, K.Maki, S.Igarasi
Title: Evaluation of Neutron Cross Section of 27 Fission Product Nuclides Important for Fast Reactor
Keyword abstract: NUCLEAR REACTIONS ^{93}Zr, $^{95, 97}$Mo, ^{99}Tc, $^{101, 102, 104, 106}$Ru, ^{103}Rh, $^{105, 107}$Pd, ^{109}Ag, ^{129}I, ^{131}Xe, $^{133, 135, 137}$Cs, $^{143, 144, 145}$Nd, ^{144}Ce, ^{147}Pm, $^{147, 149, 151}$Sm, $^{153, 155}$Eu (n,n), (n,γ), (n,n'), (n,X),E=th-15 MeV; calculated σ.

Keynumber: 1976WEZQ
Reference: Bull.Am.Phys.Soc. 21, No.4, 657, JF1 (1976)
Authors: J.C.Wells, Jr., S.Raman, G.G.Slaughter
Title: Energy Levels in ^{146}Nd from Resonance Neutron Capture γ-Ray Measurements
Keyword abstract: NUCLEAR REACTIONS $^{143, 145}$Nd(n,γ); measured σ(E,Eγ); deduced Q. ^{146}Nd deduced resonances,neutron separation energy.

Keynumber: 1976SMZN
Coden: REPT ANL-76-96,P129,Smither

Keyword abstract: NUCLEAR REACTIONS ^{143}, ^{145}Nd(n,γ),E=th; measured γ-spectra. ^{144}, ^{146}Nd deduced levels,J,π.

Keynumber: 1976BU14

Reference: Phys.Rev. C14, 75 (1976)

Authors: D.L.Bushnell, G.R.Tassotto, R.K.Smither

Title: States Excited in ^{146}Nd by Thermal and Average-Resonance Neutron-Capture Gamma Rays

Keyword abstract: NUCLEAR REACTIONS ^{145}Nd(n,γ),E=th,0.45-2.85,4.5-7.1 MeV; measured Eγ,Iγ,σ(E,Eγ); deduced Q. ^{146}Nd deduced levels,J,π,γ-branching,λ.

Keynumber: 1975SMZN

Coden: REPT ANL-75-75,P146

Keyword abstract: NUCLEAR REACTIONS ^{143}, ^{145}Nd(n,γ),E=thermal; measured γ-spectra. ^{144}, ^{146}Nd deduced levels,resonances,J,π.

Keynumber: 1975HOZI

Coden: JOUR BAPSA 20 560 AN9

Keyword abstract: NUCLEAR REACTIONS ^{145}Nd, ^{149}Sm, ^{101}, ^{102}, ^{104}Ru(n,γ),E=20 eV-150 keV; measured σ. ^{146}Nd, ^{150}Sm, ^{102}, ^{103}, ^{105}Ru deduced level spacing.

Keynumber: 1973SMYW

Coden: REPT EANDC(US)-186'U' P25

Keyword abstract: NUCLEAR REACTIONS ^{143}, ^{145}Nd(n,γ); measured Eγ,Iγ. ^{144}, ^{146}Nd deduced transitions.

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

Title:

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: 1973NA11

Reference: Nucl.Phys. A209, 252 (1973)

Authors: A.I.Namenson

Title: Monte Carlo Simulation of the Decay of Neutron Resonances to Determine Resonance Spins

Keyword abstract: NUCLEAR REACTIONS ^{143}, ^{145}Nd, ^{187}, ^{189}Os(n,γ); calculated Iγ,$\gamma\gamma$-coin. ^{185}, ^{187}Re, ^{177}Hf(n,γ); calculated $\gamma\gamma$-coin. Deduced resonances,J.

Keynumber: 1973LAYG
Reference: RCN-191 (1973)
Authors: G.Lautenbach
Title: Calculated Neutron Absorption Cross Sections of 75 Fission Products
Keyword abstract: NUCLEAR REACTIONS ^{81}Br, $^{83, 84, 85, 86}$Kr, $^{85, 87}$Rb, $^{88, 90}$Sr, ^{89}Y, $^{91, 92, 93, 94, 95, 96}$Zr, $^{95, 97, 98, 100}$Mo, ^{99}Tc, $^{101, 102, 104, 106}$Ru, ^{103}Rh, $^{105, 106, 107, 108, 110}$Pd, ^{109}Ag, $^{111, 112, 113, 114}$Cd, ^{115}In, $^{126, 128, 130}$Te, $^{127, 129}$I, $^{131, 132, 134, 136}$Xe, $^{133, 135, 137}$Cs, ^{138}Ba, ^{139}La, $^{140, 142}$Ce, ^{141}Pr, $^{143, 144, 145, 146, 148, 150}$Nd, ^{147}Pm, $^{147, 148, 149, 150, 151, 152, 154}$Sm, $^{153, 154, 155}$Eu, $^{155, 156, 157, 158}$Gd, ^{159}Tb(n,γ); calculated σ(E).

Keynumber: 1972ST14
Reference: Phys.Rev. C5, 2030 (1972)
Authors: A.Stolovy, A.I.Namenson, J.C.Ritter, T.F.Godlove, G.L.Smith
Title: Neutron-Resonance Spin Determinations in Nd^{143} and Nd^{145} from Capture Gamma-Ray Measurements
Keyword abstract: NUCLEAR REACTIONS $^{143, 145}$Nd(n,γ),E <900 eV; measured γγ-coin,Iγ. $^{143, 145}$Nd resonances deduced J.

Keynumber: 1972CAZK
Coden: REPT CEA-N-1522,P295
Keyword abstract: NUCLEAR REACTIONS $^{143, 145}$Nd, ^{147}Sm, ^{165}Ho, ^{121}Sb(n,γ), measured γ-multiplicity,Iγ. $^{144, 146}$Nd, ^{148}Sm, ^{166}Ho, ^{122}Sb deduced resonances,J.

Keynumber: 1971STZP
Coden: REPT BNL-50298,P132,10/21/71
Keyword abstract: NUCLEAR REACTIONS $^{143, 145}$Nd(n,γ),E=resonance; measured Eγ,Iγ,γγ-coin. $^{144, 146}$Nd deduced resonances,J.

Keynumber: 1971ROZJ
Coden: CONF CONF-710301(Knoxville),Vol2,P743,11/2/71
Keyword abstract: NUCLEAR REACTIONS $^{143, 145}$Nd(n,γ),E <2 keV; measured σ(E). $^{144, 146}$Nd deduced resonance parameters.

Keynumber: 1971PAZO
Coden: REPT EANDC(E) 140 U,P91,12/30/71
Keyword abstract: NUCLEAR REACTIONS $^{121, 123}$Sb, $^{143, 145}$Nd(n,γ),E=intermediate; measured Eγ,Iγ. $^{122, 124}$Sb, $^{144, 146}$Nd deduced resonances,levels,J,transitions.

Keynumber: 1971CAYZ
Coden: CONF CONF-710301(Knoxville),Vol2,P785,11/2/71
Keyword abstract: NUCLEAR REACTIONS ^{127}I, $^{143, 145}$Nd, $^{147, 149}$Sm, $^{121, 123}$Sb(n,γ), $^{123, 125}$Te (n,n), measured σ. ^{128}I, $^{144, 146}$Nd, $^{148, 150}$Sm, $^{122, 124}$Sb, $^{124, 126}$Te resonances deduced J.

Keynumber: 1971CAYD
Reference: Proc.Conf.Neutron Cross Sections and Technol., 3rd, Knoxville, Tenn., R.L.Macklin, Ed., CONF-710301, Vol.2, p.785 (1971)
Authors: B.Cauvin, A.Lottin, A.Michaudon, C.M.Newstead, D.Paya, J.Trochon

Title: Spin Assignments from Capture Gamma-Rays and Scattering Measurements
Keyword abstract: NUCLEAR REACTIONS ^{127}I, ^{143}, ^{145}Nd, ^{147}, ^{149}Sm, ^{121}, ^{123}Sb (n,γ),E=resonance; measured $\sigma(E\gamma)$,Iγ ratios. ^{123}, ^{125}Te(n,n)E=resonance; measured $\sigma(E)$. ^{128}I, ^{144}, ^{146}Nd, ^{148}, ^{150}Sm, ^{122}, ^{124}Sb, ^{124}, ^{126}Te resonances deduced J.

Keynumber: 1970KV01
Reference: Nucl.Phys. A154, 177 (1970)
Authors: J.Kvitek, Y.P.Popov
Title: Investigation of the (n,α) Reaction on Sm and Nd Isotopes in the Neutron Energy Region below 1 keV
Keyword abstract: NUCLEAR REACTIONS ^{149}Sm, ^{143}Nd, ^{145}Nd(n,α), (n,γ),E=0.04-900 eV; measured $\sigma(E)$,α-width γ-width. ^{144}, ^{146}Nd, ^{148}, ^{150}Sm deduced resonances,J,π,α-width. Enriched targets.

Keynumber: 1970BE34
Reference: Izv.Akad.Nauk SSSR, Ser.Fiz. 34, 824 (1970); Bull.Acad.Sci.USSR, Phys.Ser. 34, 733 (1971)
Authors: Y.Y.Berzin, A.E.Kruminya, P.T.Prokofev
Title: ^{146}Nd Levels Excited in the (n,γ) Reaction
Keyword abstract: NUCLEAR REACTIONS ^{145}Nd(n,γ),E=th; measured Eγ,E(ce). ^{146}Nd deduced levels,transitions. Enriched target.

Keynumber: 1969REZZ
Reference: Thesis, Univ.Leiden (1969)
Authors: E.R.Reddingius
Title: A Study of Neutron-Capture Gamma-Ray Spectra from Aligned Neodymium and Samarium Nuclei
Keyword abstract: NUCLEAR REACTIONS ^{143}, ^{145}Nd, ^{147}, ^{149}, ^{152}Sm(n,γ),E=0.047 eV; measured Eγ,Iγ,γ-anisotropy,linear polarization; deduced Q. ^{144}, ^{146}Nd, ^{148}, ^{150}, ^{153}Sm deduced levels,J,π,ICC,γ-mixing. Ge(Li) detector, aligned nuclei.

Keynumber: 1969BEZW
Coden: REPT ANL-tr-823 7/29/71
Keyword abstract: NUCLEAR REACTIONS ^{145}Nd(n,γ),E=thermal; measured E(ce),I(ce). ^{146}Nd deduced levels,J,π.

Keynumber: 1969BEZV
Coden: REPT ANL-Trans 823,8/26/71
Keyword abstract: NUCLEAR REACTIONS ^{145}Nd(n,γ),E=thermal; measured E(ce),I(ce). ^{146}Nd deduced levels,γ-multipolarity.

Keynumber: 1968KA28
Reference: Yadern.Fiz. 8, 639 (1968); Soviet J.Nucl.Phys. 8, 371 (1969)
Authors: E.N.Karzhavina, N.N.Fong, A.B.Popov, A.I.Taskaev
Title: Neutron Resonances of Nd Isotopes
Keyword abstract: NUCLEAR REACTIONS ^{142}, ^{143}, ^{144}, ^{145}, ^{146}, ^{148}, ^{150}Nd(n,X), (n,γ), E <10 keV; measured $\sigma(E;E\gamma)$, transmission. ^{143}, ^{144}, ^{145}, ^{146}, ^{147}, ^{149}, ^{151}Nd deduced resonances, level-width, strength functions, average level spacings.

Keynumber: 1968GR29
Reference: Yadern.Fiz. 8, 619 (1969)
Authors: L.V.Groshev, V.N.Dvoretskii, A.M.Demidov, A.S.Rakhimov
Title: Spectra of γ Rays Produced Upon Capture of Thermal Neutrons
Keyword abstract: NUCLEAR REACTIONS $^{142, \, 143, \, 144, \, 145, \, 146}$Nd(n,γ), E = thermal; measured Eγ,Iγ. $^{143, \, 144, \, 145, \, 146, \, 147}$Nd deduced levels, L(n), J, π. ^{144}Nd transitions deduced γ-multipolarity.

Keynumber: 1968CA28
Reference: J.Inorg.Nucl.Chem. 30, 897 (1968)
Authors: M.J.Cabell, M.Wilkins
Title: Mass Spectrometric Measurements of the Neutron Capture Cross Sections of ^{142}Nd, ^{143}Nd, ^{144}Nd and ^{145}Nd for Reactor and Maxwellian Neutrons
Keyword abstract: NUCLEAR REACTIONS $^{142, \, 143, \, 144, \, 145}$Nd(n,γ),E=reactor spectrum; measured σ.

Keynumber: 1967PO06
Reference: Physica 34, 541 (1967)
Authors: H.Postma, E.R.Reddingius
Title: Directional Distribution of Neutron-Capture Gamma-Rays from Aligned ^{143}Nd- and ^{145}Nd-Nuclei
Keyword abstract: NUCLEAR REACTIONS $^{143, \, 145}$Nd(n,γ),E=0.048 eV; measured σ(Eγ,θ(γ)). $^{143, \, 145}$Nd deduced levels,J,π. Aligned $^{143, \, 145}$Nd targets.

Keynumber: 1967GR27
Reference: IAE-1489 (1967); LA-4063-tr (1970)
Authors: L.V.Groshev, V.N.Dvoretskii, A.M.Demidov, A.S.Rakhimov
Title: Spectra of γ-Rays Excited in Capture of Slow Neutrons by Neodymium Isotopes
Keyword abstract: NUCLEAR REACTIONS $^{142, \, 143, \, 144, \, 145, \, 146}$Nd(n,γ),E= slow; measured Eγ,Iγ. $^{143, \, 144, \, 145, \, 146, \, 147}$Nd deduced levels. Ge(Li) detector.