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68 reference(s) found :

Keynumber: 2000PR10

Reference: Fizika(Zagreb) B9, 97 (2000)

Authors: P.Prokofjevs, L.I.Simonova, M.Balodis, J.Berzins, V.Bondarenko, J.Honzatko, I.Tomandl, S.Boneva, V.A.Khitrov, A.M.Sukhovoï

Title: The $\gamma\gamma$ -Coincidence Measurements of ^{166}Ho from the (n,γ) Reaction

Keyword abstract: NUCLEAR REACTIONS $^{165}\text{Ho}(n,\gamma), E=\text{thermal}$; measured $E\gamma, I\gamma, \gamma\gamma\text{-coin. } ^{166}\text{Ho}$ deduced levels, J, π , configurations, rotational bands.

Keynumber: [2000PR03](#)

Reference: Phys.Rev. C61, 044305 (2000)

Authors: P.Prokofjevs, L.I.Simonova, M.Balodis, J.Berzins, V.Bondarenko, H.F.Wirth, T.von Egidy, C.Doll, J.Ott, W.Schauer, R.W.Hoff, R.F.Casten, R.L.Gill, J.Honzatko, I.Tomandl, S.Boneva, V.A.Khitrov, A.M.Sukhovoï, D.G.Burke, J.Kvasil, A.Mackova

Title: Nuclear Structure of ^{166}Ho Studied in Neutron-Capture, (d,p) , and $(d, ^3\text{He})$ Reactions

Keyword abstract: NUCLEAR REACTIONS $^{165}\text{Ho}(n,\gamma), E \approx 2 \text{ keV}$; measured $E\gamma, I\gamma$ following averaged resonance capture. $^{165}\text{Ho}(n,\gamma), E=\text{thermal}$; measured $E\gamma, I\gamma, \gamma\gamma\text{-coin. } ^{165}\text{Ho}(d,p), E=17 \text{ MeV}$; $^{167}\text{Er}(d, ^3\text{He}), E=27 \text{ MeV}$; measured $\sigma(E,\theta)$. ^{166}Ho deduced levels, J, π , rotational bands. Comparison with quasiparticle phonon model.

Keynumber: 1999SU03

Reference: Yad.Fiz. 62, No 1, 24 (1999); Phys.Atomic Nuclei 62, 19 (1999)

Authors: A.M.Sukhovoï, 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 $^{113}\text{Cd}, ^{123}\text{Te}, ^{145}\text{Nd}, ^{149}\text{Sm}, ^{155}, ^{157}\text{Gd}, ^{162}, ^{163}, ^{164}\text{Dy}, ^{167}\text{Er}, ^{173}, ^{174}\text{Yb}, ^{177}, ^{178}, ^{180}\text{Hf}, ^{187}, ^{189}\text{Os}, ^{195}\text{Pt}, ^{199}\text{Hg}, ^{127}\text{I}, ^{159}\text{Tb}, ^{165}\text{Ho}, ^{169}\text{Tm}, ^{175}\text{Lu}, ^{181}\text{Ta}, ^{191}\text{Ir}, ^{197}\text{Au}, ^{124}\text{Te}, ^{182}, ^{185}\text{W}(n,\gamma), E=\text{thermal}$; analyzed $I\gamma$; deduced non-exponential level densities.

Keynumber: 1999GR06

Reference: Yad.Fiz. 62, No 2, 227 (1999); Phys.Atomic Nuclei 62, 192 (1999)

Authors: O.T.Grudzevich

Title: Energy Dependence of Radiative Strength Functions and Photon Spectra

Keyword abstract: NUCLEAR STRUCTURE $A=50-185$; analyzed $E1, M1$ radiative strength functions.

Keyword abstract: NUCLEAR REACTIONS $^{159}\text{Tb}, ^{165}\text{Ho}, ^{181}\text{Ta}, ^{197}\text{Au}(n,\gamma), E \text{ not given}$; $\text{Tb}(n,\gamma), E=0.01, 0.4, 0.8 \text{ MeV}$; $^{56}\text{Fe}, ^{52}\text{Cr}(n,\gamma), E=14 \text{ MeV}$; $^{45}\text{Sc}, ^{89}\text{Y}, ^{93}\text{Nb}, ^{127}\text{I}, ^{133}\text{Cs}, ^{141}\text{Pr}, ^{139}\text{La}, ^{209}\text{Bi}(n,\gamma), E=0.5 \text{ MeV}$; analyzed $E\gamma$; deduced energy dependence of $E1, M1$ radiative strength functions, $E2$ radiative widths.

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.Sukhovoï, 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 $^{113}\text{Cd}, ^{123}, ^{124}\text{Te}, ^{127}\text{I}, ^{134}, ^{136}, ^{137}, ^{138}\text{Ba}, ^{139}\text{La}, ^{142}$,

$^{143}, ^{145}\text{Nd}$, ^{149}Sm , $^{155}, ^{157}\text{Gd}$, ^{159}Tb , $^{162}, ^{163}, ^{164}\text{Dy}$, ^{165}Ho , ^{167}Er , ^{169}Tm , $^{173}, ^{174}, ^{176}\text{Yb}$, $^{175}, ^{176}\text{Lu}$, $^{177}, ^{178}, ^{179}, ^{180}\text{Hf}$, ^{181}Ta , $^{182}, ^{186}\text{W}$, $^{187}, ^{189}\text{Os}$, ^{191}Ir , ^{195}Pt , ^{197}Au , $^{199}\text{Hg}(n,\gamma)$, E not given; analyzed two-photon γ cascade data; deduced structure effects.

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 , $^{134}, ^{136}, ^{137}, ^{138}\text{Ba}$, $^{142}, ^{143}, ^{145}\text{Nd}$, ^{149}Sm , $^{155}, ^{157}\text{Gd}$, ^{159}Tb , ^{165}Ho , $^{162}, ^{163}, ^{164}\text{Dy}$, ^{167}Er , ^{169}Tm , $^{173}, ^{174}, ^{176}\text{Yb}$, $^{175}, ^{176}\text{Lu}$, $^{177}, ^{178}, ^{179}, ^{180}\text{Hf}$, ^{195}Pt , ^{199}Hg , ^{181}Ta , $^{182}, ^{186}\text{W}$, ^{191}Ir , $^{197}\text{Au}(n,\gamma)$, E=thermal; analyzed γ spectra, $\gamma\gamma$ -coin. ^{114}Cd , ^{124}Te , $^{137}, ^{138}, ^{139}\text{Ba}$, ^{146}Nd , ^{150}Sm , $^{156}, ^{158}\text{Gd}$, ^{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: 1997LI11

Reference: Nucl.Phys. A619, 57 (1997)

Authors: A.Likar, T.Vidmar

Title: Fast Neutron Capture in ^{206}Pb , ^{165}Ho , and ^{238}U as Seen Through the Consistent Direct-Semidirect Model

Keyword abstract: NUCLEAR REACTIONS ^{165}Ho , $^{238}\text{U}(n,\gamma)$, E=6-16 MeV; $^{206}\text{Pb}(n,\gamma)$, E=2-12 MeV; calculated $\sigma(E_n)$. ^{166}Ho , ^{207}Pb , ^{239}U deduced single-particle states binding energy, spectroscopic factors, GDR related features. Differences between modified, standard direct-semidirect models, studied.

Keynumber: 1997KA47

Reference: J.Radioanal.Nucl.Chem. 215, 193 (1997)

Authors: S.I.Kafala, T.D.MacMahon, S.B.Borzakov

Title: Neutron Activation for Precise Nuclear Data

Keyword abstract: NUCLEAR REACTIONS ^{45}Sc , ^{50}Cr , ^{59}Co , ^{64}Zn , ^{75}As , ^{85}Rb , ^{113}In , $^{121}, ^{123}\text{Sb}$, ^{130}Ba , ^{133}Cs , ^{139}La , $^{140}, ^{142}\text{Ce}$, ^{146}Nd , $^{151}, ^{153}\text{Eu}$, ^{152}Gd , ^{152}Sm , ^{159}Tb , ^{165}Ho , ^{174}Yb , ^{180}Hf , ^{181}Ta , ^{186}W , ^{232}Pa , $^{238}\text{Np}(n,\gamma)$, E=reactor; measured $E\gamma, I\gamma$; deduced capture σ , resonance integral, least-squares fit parameters. Multi-element standard.

Keynumber: 1995XI05

Reference: Chin.J.Nucl.Phys. 17, No 1, 43 (1995)

Authors: Y.-J.Xia, X.-G.Long, X.-B.Luo, Z.-H.Yang, M.-T.Liu, C.-H.Wang, J.-F.Yang, F.-Q.He, X.-F.Peng, H.-L.Lu

Title: Activation Cross Section Measurement for the $^{165}\text{Ho}(n,\gamma)^{166\text{m}}\text{Ho}$ Reaction

Keyword abstract: NUCLEAR REACTIONS ^{165}Ho , $^{197}\text{Au}(n,\gamma)$, E=203-974 keV; measured $E\gamma, I\gamma$; deduced relative σ .

Keynumber: 1994BAZR

Reference: Proc.8th Int.Symposium on Capture Gamma-Ray Spectroscopy and Related Topic, Fribourg, Switzerland, 20-24 September 1993, J.Kern, Ed., World Scientific, Singapore, p.268 (1994)

Authors: M.Balodis, J.Berzins, V.Bondarenko, P.Prokofjevs, A.V.Afanasjev

Title: Vibrational and Two-Particle Levels in the Strongly Deformed ^{166}Ho Nucleus

Keyword abstract: NUCLEAR REACTIONS $^{165}\text{Ho}(n,\gamma)$, E not given; measured $E\gamma, I\gamma, \gamma\gamma$ -coin. ^{166}Ho

deduced levels, J, π , vibrational bands.

Keynumber: 1991ZH22

Reference: Chin.J.Nucl.Phys. 13, No 2, 139 (1991)

Authors: Z.Zhao, D.Zhou

Title: Systematics of Excitation Functions for (n, γ) Reaction Above 4 MeV

Keyword abstract: NUCLEAR REACTIONS ^{40}Ca , ^{89}Y , ^{140}Ce , ^{165}Ho , ^{208}Pb (n, γ), E \approx 0.5-20 MeV; calculated σ (E). Statistical theory, exciton model.

Keynumber: 1989DU03

Reference: Nucl.Instrum.Methods Phys.Res. A278, 484 (1989)

Authors: P.Durner, T.von Egidy, F.J.Hartmann

Title: Neutron-Capture Gamma Rays below 40 keV

Keyword abstract: NUCLEAR REACTIONS ^{27}Al , ^{39}K , ^{51}V , ^{127}I , ^{133}Cs , ^{159}Tb , ^{165}Ho , ^{169}Tm , ^{175}Lu , ^{181}Ta , ^{191}Ir , ^{197}Au , ^{232}Th (n, γ), E=low; measured $E\gamma$, absolute $I\gamma$. ^{28}Al , ^{40}K , ^{52}V , ^{128}I , ^{134}Cs , ^{160}Tb , ^{166}Ho , ^{170}Tm , ^{176}Lu , ^{182}Ta , ^{192}Ir , ^{198}Au , ^{233}Th deduced transitions. Si-Li detector.

Keynumber: 1988BAZJ

Reference: Program and Theses, Proc.38th Ann.Conf.Nucl.Spectrosc.Struct.At.Nuclei, Baku, p.113 (1988)

Authors: M.K.Balodis, A.V.Afanasev, P.T.Prokofev, Yu.Ya.Tamberg

Title: Gamma-Vibrational Band in Odd-Odd ^{166}Ho Nucleus

Keyword abstract: NUCLEAR REACTIONS ^{165}Ho (n, γ), E=thermal; measured I (ce). ^{166}Ho deduced levels, bands, δ .

Keynumber: 1986IG01

Reference: Nucl.Phys. A457, 301 (1986)

Authors: M.Igashira, H.Kitazawa, M.Shimizu, H.Komano, N.Yamamuro

Title: Systematics of the Pygmy Resonance in keV Neutron Capture γ -Ray Spectra of Nuclei with N \approx 82-126

Keyword abstract: NUCLEAR REACTIONS ^{141}Pr , ^{159}Tb , ^{165}Ho , ^{175}Lu , Ta, ^{197}Au (n, γ), E=10-800 keV; measured σ (E, $E\gamma$) versus θ ; deduced γ -ray strength functions. Natural targets.

Keynumber: 1984PR03

Reference: Z.Phys. A315, 103 (1984)

Authors: W.V.Prestwich, M.A.Islam, T.J.Kennett

Title: Primary E2 Transitions Observed following Neutron Capture for the Mass Region $144 \leq A \leq 180$

Keyword abstract: NUCLEAR REACTIONS ^{143}Nd , 162 , ^{164}Dy , ^{165}Ho , ^{167}Er , ^{173}Yb , ^{179}Hf (n, γ), E=thermal; measured $E\gamma$, $I\gamma$. ^{144}Nd , 163 , ^{165}Dy , ^{166}Ho , ^{168}Er , ^{174}Yb , ^{180}Hf deduced E2 transition $\Gamma\gamma$ upper limits. Axel-Brink hypothesis based analysis.

Keynumber: 1984KE15

Reference: Phys.Rev. C30, 1840 (1984)

Authors: T.J.Kennett, M.A.Islam, W.V.Prestwich

Title: Levels in ^{166}Ho Deduced from the (n, γ) Reaction

Keyword abstract: NUCLEAR REACTIONS ^{165}Ho (n, γ), E=reactor; measured $E\gamma$, $I\gamma$. ^{166}Ho deduced levels, neutron separation energy, γ transition character.

Keynumber: 1983IS05

Reference: Z.Phys. A311, 195 (1983)

Authors: M.A.Islam, T.J.Kennett, W.V.Prestwich

Title: A Probabilistic Model for Spectral Assignment in the (n, γ) Reaction

Keyword abstract: NUCLEAR REACTIONS ^{45}Sc , ^{35}Cl , 162 , ^{164}Dy , ^{165}Ho (n, γ),E not given; analyzed capture data; deduced γ -transition spectral assignment. Probabilistic model.

Keynumber: 1982SHZP

Reference: NEANDC(J)-83/U, p.70 (1982)

Authors: M.Shimizu, M.Igashira, N.Yamamuro

Title: Fast Neutron Capture Cross Section Measurement with Pulse-Height Weighting Technique

Keyword abstract: NUCLEAR REACTIONS ^{165}Ho (n, γ),E=200,300,460,610 keV; measured σ (capture).

Keynumber: 1982MCZY

Reference: LA-9093-MS (1982)

Authors: D.K.McDaniels, P.Varghese, D.M.Drake, E.Arthur, A.Lindholm, I.Bergqvist, J.Krumlinde

Title: Radiative Capture of Fast Neutrons by ^{165}Ho and ^{238}U

Keyword abstract: NUCLEAR REACTIONS ^{165}Ho , ^{238}U (n, γ),E=7-15 MeV; measured E γ ,I γ ; deduced $\sigma(\theta)$ vs E, reaction mechanism. ^{239}U , ^{166}Ho transitions deduced initial, final state Nilsson assignments. Direct-semidirect model.

Keynumber: 1982MC08

Reference: Nucl.Phys. A384, 88 (1982)

Authors: D.K.McDaniels, P.Varghese, D.M.Drake, E.Arthur, A.Lindholm, I.Bergqvist, J.Krumlinde

Title: Radiative Capture of Fast Neutrons by ^{165}Ho and ^{238}U

Keyword abstract: NUCLEAR REACTIONS ^{165}Ho , ^{238}U (n, γ),E=7-15 MeV; measured $\sigma(\theta)$, $\sigma(\text{total})$ vs E. Direct-semidirect model.

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 E γ . 143 , 144 , ^{146}Nd , 156 , ^{158}Gd , 162 , 163 , 164 , ^{165}Dy , ^{166}Ho , 175 , ^{174}Yb deduced neutron separation energy.

Keynumber: 1981YAZW

Reference: NEANDC(J)-75/U, p.76 (1981)

Authors: N.Yamamuro, K.Saito, T.Emoto, T.Wada, Y.Fujita, K.Kobayashi

Title: Neutron Capture Cross Section Measurements of Nb-93, I-127, Ho-165, Ta-181 and U-238 between 3.2 and 80 keV

Keyword abstract: NUCLEAR REACTIONS ^{93}Nb , ^{127}I , ^{165}Ho , ^{181}Ta , ^{238}U (n, γ),E=3.2-80 keV; measured $\sigma(\text{capture})$ vs E.

Keynumber: 1981ST16

Reference: Phys.Rev. C24, 1419 (1981)

Authors: M.L.Stelts, R.E.Chrien, M.K.Martel

Title: Nuclear Level Densities from Resonance Averaged Neutron Capture γ -Ray Spectra

Keyword abstract: NUCLEAR REACTIONS $^{147, 149, 154}\text{Sm}$, ^{165}Ho , ^{167}Er , ^{181}Ta , ^{182}W , ^{189}Os , ^{195}Pt , ^{197}Au , $^{236, 238}\text{U}(n,\gamma)$, $E=2,24$ keV; measured $E\gamma, I\gamma$ for average resonance capture. $^{148, 150, 155}\text{Sm}$, ^{166}Ho , ^{168}Er , ^{182}Ta , ^{183}W , ^{190}Os , ^{196}Pt , ^{198}Au , $^{237, 239}\text{U}$ deduced level density parameters. Fermi gas model.

Keynumber: 1980YA05

Reference: J.Nucl.Sci.Technol.(Tokyo) 17, 582 (1980)

Authors: N.Yamamuro, K.Saito, T.Emoto, T.Wada, Y.Fujita, K.Kobayashi

Title: Neutron Capture Cross Section Measurements of Nb-93, I-127, Ho-165, Ta-181 and U-238 between 3.2 and 80 keV

Keyword abstract: NUCLEAR REACTIONS ^{93}Nb , ^{165}Ho , ^{181}Ta , $^{238}\text{U}(n,\gamma)$, $E=3.2-80$ keV; measured σ . Tof, C_6F_6 , C_6D_6 scintillators.

Keynumber: 1979BUZS

Reference: INDC(YUG)-6/L (1979)

Authors: M.Budnar, F.Cvelbar, E.Hodgson, A.Hudoklin, V.Ivkovic, A.Likar, M.V.Mihailovic, R.Martincic, M.Najzer, A.Perdan, M.Potokar, V.Ramsak

Title: Prompt γ -Ray Spectra and Integrated Cross Sections for the Radiative Capture of 14 MeV Neutrons for 28 Natural Targets in the Mass Region from 12 to 208

Keyword abstract: NUCLEAR REACTIONS Mg, ^{27}Al , Si, ^{31}P , S, Ca, ^{45}Sc , ^{51}V , Cr, ^{55}Mn , Fe, ^{59}Co , Cu, Se, Br, Sr, ^{89}Y , In, Sb, ^{127}I , Ba, ^{141}Pr , ^{165}Ho , ^{181}Ta , W, Tl, Pb, $^{209}\text{Bi}(n,\gamma)$, $E=14.6$ MeV; measured $\sigma(E\gamma)$.

Keynumber: 1979BO08

Reference: Nucl.Phys. A320, 260 (1979)

Authors: J.J.Bosman, H.Postma

Title: Polarized Neutron Capture by Polarized ^{165}Ho Nuclei Used to Assign Spins to ^{166}Ho Levels

Keyword abstract: NUCLEAR REACTIONS $^{165}\text{Ho}(\text{polarized } n,\gamma)$, $E=0.065$ eV; measured $E\gamma, I\gamma, \gamma(\theta)$. ^{166}Ho levels deduced J, π .

Keynumber: 1979AN22

Reference: Nuovo Cim. 50A, 247 (1979)

Authors: R.P.Anand, M.L.Jhingan, D.Bhattacharya, E.Kondaiah

Title: 25 keV-Neutron Capture Cross-Sections

Keyword abstract: NUCLEAR REACTIONS ^{51}V , ^{63}Cu , ^{71}Ga , ^{74}Ge , ^{75}As , $^{98, 100}\text{Mo}$, ^{104}Ru , ^{115}In , ^{116}Cd , $^{122, 124}\text{Sn}$, $^{128, 130}\text{Te}$, ^{139}La , $^{140, 142}\text{Ce}$, ^{165}Ho , $^{185, 187}\text{Re}(n,\gamma)$, $E=25$ keV; measured σ ; deduced rapid, slow capture processes.

Keynumber: 1979AG02

Reference: J.Phys.Soc.Jpn. 46, 1 (1979)

Authors: H.M.Agrawal, M.L.Sehgal

Title: Statistical Theory Calculations of Neutron-Capture Cross-Sections at 24 keV

Keyword abstract: NUCLEAR REACTIONS ^{45}Sc , ^{55}Mn , $^{63, 65}\text{Cu}$, $^{69, 71}\text{Ga}$, ^{75}As , $^{79, 81}\text{Br}$, ^{80}Se , $^{85, 87}\text{Rb}$, ^{89}Y , ^{93}Nb , ^{96}Zr , $^{98, 100}\text{Mo}$, $^{107, 109}\text{Ag}$, ^{108}Pd , ^{114}Cd , ^{115}In , ^{127}I , ^{133}Cs , ^{138}Ba , ^{139}La , $^{140, 142}\text{Ce}$, ^{141}Pr , $^{152, 154}\text{Sm}$, $^{158, 160}\text{Gd}$, ^{164}Dy , ^{165}Ho , ^{170}Er , ^{175}Lu , ^{180}Hf , ^{181}Ta , $^{184, 186}\text{W}$, $^{185, 187}\text{Re}$, ^{197}Au , ^{202}Hg , ^{208}Pb , ^{209}Bi , $^{232}\text{Th}(n,\gamma)$, $E=24$ keV; calculated σ ; deduced ratio of average $\Gamma\gamma$ to average level

spacing. Margolis formula of statistical theory, low energy resonance parameters.

Keynumber: 1978YA14

Reference: J.Nucl.Sci.Technol. 15, 637 (1979)

Authors: N.Yamamuro, T.Doi, T.Miyagawa, Y.Fujita, K.Kobayashi, R.C.Block

Title: Measurement of Neutron Capture Cross Sections with Fe-Filtered Beam

Keyword abstract: NUCLEAR REACTIONS ^{93}Nb , ^{115}In , ^{127}I , ^{165}Ho , ^{181}Ta , ^{232}Th , $^{238}\text{U}(n,\gamma)$, $E=24$ keV; measured σ . Fe-filtered beam.

Keynumber: 1978BA78

Reference: Latv.PSR Zinat.Akad.Vestis, Fiz.Teh.Zinat.Ser. No.3, 6 (1978)

Authors: M.Balodis

Title: On the Energies of Low-Lying High Spin Levels in ^{165}Ho

Keyword abstract: NUCLEAR REACTIONS $^{165}\text{Ho}(n,\gamma)$, E not given; measured $E\gamma, I\gamma, I(\text{ce})$. ^{166}Ho deduced levels, J, π .

Keynumber: 1977CO28

Reference: Nucl.Phys. A293, 167 (1977)

Authors: C.Coceva, P.Giacobbe

Title: Search for Spin Dependence of the Neutron Strength Function in ^{165}Ho

Keyword abstract: NUCLEAR REACTIONS $^{165}\text{Ho}(n,\gamma)$, $E < 2$ keV; measured $I\gamma, \sigma(E\gamma)$. ^{166}Ho deduced resonances, J , resonance width parameters. Natural target. Ge(Li) detector.

Keynumber: 1977ANZG

Reference: JINR-P6-10577 (1977)

Authors: W.Andrejscheff, V.Zaidel, V.G.Kalinnikov, L.Koibler, F.R.Mai, N.Z.Marupov, T.M.Muminov, K.D.Shiling

Title: Lifetimes of Excited States in Some Doubly Odd Deformed Nuclei

Keyword abstract: NUCLEAR REACTIONS ^{165}Ho , 185 , $^{187}\text{Re}(n,\gamma)$, E not given; ^{160}Gd , ^{164}Dy ($p,n\gamma$), E not given; measured $\gamma\gamma(t)$. ^{160}Ho , ^{164}Ho , ^{166}Ho , 186 , ^{188}Re deduced levels, $T_{1/2}$.

Keyword abstract: RADIOACTIVITY 156 , ^{158}Er , ^{162m}Ho , ^{162}Yb ; measured $\gamma\gamma(t)$. 156 , 158 , ^{162}Ho , ^{162}Tm deduced levels, $T_{1/2}$.

Keynumber: 1976MA17

Reference: Nucl.Sci.Eng. 59, 231 (1976)

Authors: R.L.Macklin

Title: The $^{165}\text{Ho}(n,\gamma)$ Standard Cross Section from 3 to 450 keV

Keyword abstract: NUCLEAR REACTIONS $^{165}\text{Ho}(n,\gamma)$, $E=3-450$ keV; measured $\sigma(E, E\gamma)$. ^{166}Ho deduced resonances, resonance parameters.

Keynumber: 1975YAZX

Coden: JOUR BAPSA 20 168 HB22

Keyword abstract: NUCLEAR REACTIONS ^{93}Nb , Ag, ^{127}I , ^{165}Ho , ^{198}Au , $^{238}\text{U}(n,\gamma)$, E approx 24 keV; measured σ .

Keynumber: 1975SCYL

Coden: REPT ZFK-295 P47

Keyword abstract: NUCLEAR REACTIONS $^{161}, ^{163}\text{Dy}(p,n\gamma), ^{165}\text{Ho}(n,\gamma)$; measured $\gamma(t)$. $^{161}, ^{163}, ^{166}\text{Ho}$ levels deduced $T_{1/2}$.

Keynumber: 1975POZW

Coden: REPT ERDA/NDC-2, p13, Poenitz

Keyword abstract: NUCLEAR REACTIONS $^{165}\text{Ho}, ^{181}\text{Ta}(n,\gamma), E=0.3-3.0 \text{ MeV}$; measured σ .

Keynumber: 1975BOYV

Coden: CONF Petten(Neutron Capture γ -ray Spect),Proc P638

Keyword abstract: NUCLEAR REACTIONS $^{165}\text{Ho}(\text{polarized } n,\gamma), E=\text{thermal}$; measured $E\gamma, I\gamma, \gamma(\theta)$. ^{166}Ho levels deduced J, π . polarized target.

Keynumber: 1974RY01

Reference: J.Phys.(London) A7, 2318 (1974)

Authors: T.B.Ryves, K.J.Zieba

Title: The Resonance Integrals of $^{63}\text{Cu}, ^{65}\text{Cu}, ^{107}\text{Ag}, ^{159}\text{Tb}, ^{164}\text{Dy}$, and ^{165}Ho

Keyword abstract: RADIOACTIVITY $^{64}, ^{66}\text{Cu}, ^{108}\text{Ag}, ^{166}\text{Ho}$; measured $T_{1/2}$.

Keyword abstract: NUCLEAR REACTIONS $^{159}\text{Tb}, ^{165}\text{Ho}(n,\gamma)$; measured σ . $^{63}, ^{65}\text{Cu}, ^{107}\text{Ag}(n,\gamma)$; analyzed data; deduced σ .

Keynumber: 1974BOYX

Coden: CONF Petten(Neutron Capture Gamma Ray Spectroscopy),P243

Keyword abstract: NUCLEAR REACTIONS $^{165}\text{Ho}(\text{polarized } n,\gamma), E=\text{thermal}$; measured $E\gamma, I\gamma, \gamma(\theta)$. ^{166}Ho levels deduced J .

Keynumber: 1974ARZE

Coden: REPT USNDC-11 P151

Keyword abstract: NUCLEAR REACTIONS $^{89}\text{Y}, ^{90}\text{Zr}, ^{165}\text{Ho}, ^{207}\text{Pb}, ^{238}\text{U}(n,\gamma), E=14 \text{ MeV}$; measured $\sigma(E\gamma, \theta)$.

Keynumber: 1973SI45

Reference: Nuovo Cim. 18A, 48 (1973)

Authors: K.Siddappa, M.Sriramachandra Murty, J.Rama Rao

Title: Neutron Activation Cross-Sections in Rare Earths and Heavier Nuclei

Keyword abstract: NUCLEAR REACTIONS $^{138}\text{Ba}, ^{140}, ^{142}\text{Ce}, ^{146}, ^{148}\text{Nd}, ^{160}\text{Gd}, ^{165}\text{Ho}, ^{180}\text{Hf}, ^{181}\text{Ta}, ^{190}\text{Os}, ^{197}\text{Au}, ^{202}\text{Hg}(n,\gamma), E=23 \text{ keV}$; measured σ .

Keynumber: 1973SCXT

Coden: REPT HEDL-TME-73-79,F Schmittroth

Keyword abstract: NUCLEAR REACTIONS $^{63}, ^{65}\text{Cu}, ^{75}\text{As}, ^{79}\text{Br}, ^{107}\text{Ag}, ^{115}\text{In}, ^{71}\text{Ga}, ^{103}\text{Rh}, ^{127}\text{I}, ^{165}\text{Ho}, ^{193}\text{Ir}, ^{197}\text{Au}(n,\gamma)$; calculated $\sigma(E)$.

Keynumber: 1973MCZG

Coden: CONF Asilomar(Photonuclear Reactions),Vol2 P951

Keyword abstract: NUCLEAR REACTIONS $^{165}\text{Ho}, ^{238}\text{U}(n,\gamma)$; measured $\sigma(E), I\gamma$. $^{166}\text{Ho}, ^{239}\text{U}$ deduced transitions.

Keynumber: 1973HE15

Reference: Z.Phys. 258, 315 (1973)

Authors: R.Henkemann

Title: Low Energy Gamma Rays from Thermal Neutron Capture

Keyword abstract: NUCLEAR REACTIONS ^{45}Sc , ^{59}Co , Cu , Se , In , La , ^{141}Pr , Nd , Sm , Eu , Gd , ^{159}Tb , Dy , ^{165}Ho , Er , ^{169}Tm , Lu , $\text{Hg}(\text{n},\gamma)$; measured $E\gamma$, $I\gamma$.

Keynumber: 1973CZZX

Coden: REPT USNDC-7 P112

Keyword abstract: NUCLEAR REACTIONS ^{165}Ho , $^{197}\text{Au}(\text{n},\gamma)$; measured $\sigma(E;E\gamma)$. ^{166}Ho , ^{198}Au deduced transitions.

Keynumber: 1973CZ01

Reference: Nucl.Sci.Eng. 52, 299 (1973)

Authors: J.B.Czirr, M.L.Stelts

Title: Measurement of the Neutron Capture Cross Section of Holmium-165 and Gold-197

Keyword abstract: NUCLEAR REACTIONS ^{165}Ho , $^{197}\text{Au}(\text{n},\gamma)$, $E=167\text{-}600\text{ keV}$; measured $\sigma(E)$.

Keynumber: 1972KA21

Reference: Phys.Lett. 39B, 625 (1972)

Authors: J.Kantele, M.Valkonen

Title: Mass Number Dependence of Activation Capture Cross Sections for 14 MeV Neutrons

Keyword abstract: NUCLEAR REACTIONS ^{51}V , ^{81}Br , ^{103}Rh , ^{127}I , ^{154}Sm , ^{160}Gd , ^{165}Ho , $^{170}\text{Er}(\text{n},\gamma)$, $E=14.5\text{ MeV}$; measured activation σ .

Keynumber: 1972FA20

Reference: Nucl.Sci.Eng. 49, 317 (1972)

Authors: L.R.Fawcett, Jr., A.K.Furr, J.G.Lindsay

Title: Neutron Capture Cross Sections in the keV Region for ^{154}Sm , ^{160}Gd , ^{164}Dy , and ^{165}Ho

Keyword abstract: NUCLEAR REACTIONS ^{154}Sm , ^{160}Gd , ^{164}Dy , $^{165}\text{Ho}(\text{n},\gamma)$, $E=5\text{-}160\text{ keV}$; measured $\sigma(E)$. ^{155}Sm , ^{161}Gd , ^{165}Dy , ^{166}Ho deduced resonance parameters.

Keynumber: 1972DEXD

Coden: REPT FRNC-TH-450,mf

Keyword abstract: NUCLEAR REACTIONS $^{165}\text{Ho}(\text{n},\gamma)$, $E=12\text{-}650\text{ eV}$; measured γ -ray multiplicity, $\sigma(E;E\gamma)$. ^{166}Ho deduced resonances, J.

Keynumber: 1972CAZK

Coden: REPT CEA-N-1522,P295

Keyword abstract: NUCLEAR REACTIONS 143 , ^{145}Nd , ^{147}Sm , ^{165}Ho , $^{121}\text{Sb}(\text{n},\gamma)$, measured γ -multiplicity, $I\gamma$. 144 , ^{146}Nd , ^{148}Sm , ^{166}Ho , ^{122}Sb deduced resonances, J.

Keynumber: 1971PRZV

Coden: CONF Moscow(NuclSpectros,Structure) Abstr P106

Keyword abstract: NUCLEAR REACTIONS $^{165}\text{Ho}(\text{n},\gamma)$, $E=\text{th}$; measured $I(\text{ce})$. ^{166}Ho deduced 2-, 3-band parameters.

Keynumber: 1971POZV

Coden: REPT ANL-7710, P44, W P Poenitz, 7/2/71

Keyword abstract: NUCLEAR REACTIONS $^{165}\text{Ho}(n,\gamma)$, E=resonance; measured $E\gamma, I\gamma$. ^{166}Ho deduced resonances, J.

Keynumber: 1971FAZS

Coden: CONF SESAPS 38th Mtg, P8, L R Fawcett, 11/15/71

Keyword abstract: NUCLEAR REACTIONS ^{154}Sm , ^{160}Gd , ^{164}Dy , $^{165}\text{Ho}(n,\gamma)$, E=5-160 keV; measured $\sigma(E;E\gamma)$. ^{155}Sm , ^{161}Gd , ^{165}Dy , ^{166}Ho deduced strength functions.

Keynumber: 1971FAZR

Coden: THESIS, Virginia Polytechnic Inst, L R Fawcett, DABBB 32B 2929, 12/16/71

Keyword abstract: NUCLEAR REACTIONS ^{154}Sm , ^{160}Gd , ^{164}Dy , $^{165}\text{Ho}(n,\gamma)$, E=5-160 keV; measured $\sigma(E;E\gamma)$. ^{155}Sm , ^{161}Gd , ^{165}Dy , ^{166}Ho deduced resonances, strength functions.

Keynumber: 1971DR07

Reference: Phys.Lett. 36B, 557 (1971)

Authors: D.Drake, I.Bergqvist, D.K.McDaniels

Title: Dependence of 14 MeV Radiative Neutron Capture on Mass Number

Keyword abstract: NUCLEAR REACTIONS ^{165}Ho , ^{208}Pb , ^{238}U , Gd, Ta, Au(n, γ), E=14 MeV; measured σ .

Keynumber: 1971BR57

Reference: Acta Phys.Pol. B2, 489 (1971)

Authors: J.S.Brzosko, E.Gierlik, A.Soltan, Jr., Z.Szeflinski, Z.Wilhelmi

Title: Measurement of γ -Ray Spectra Accompanying Radiative Capture of Nucleons

Keyword abstract: NUCLEAR REACTIONS ^{115}In , Sb, ^{127}I , ^{133}Cs , ^{159}Tb , ^{165}Ho , ^{181}Ta , ^{197}Au , Tl, $^{238}\text{U}(n,\gamma)$, E approx 400 keV; measured $\sigma(E\gamma)$. ^{115}In , ^{181}Ta , $^{197}\text{Au}(n,\gamma)$, E=0.03-1.4 MeV; measured $\sigma(E;E\gamma)$. ^{115}In , Ag, ^{181}Ta , $^{197}\text{Au}(p,\gamma)$, E approx 4 MeV; measured $\sigma(E\gamma)$.

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 ^{93}Nb , ^{165}Ho , ^{166}Er , ^{169}Tm , $^{183}\text{W}(n,\gamma)$, E=resonance; calculated resonance widths, doorway state contributions.

Keynumber: 1970ROZT

Coden: REPT RPI-328-186, W P Roenitz, 10/13/71

Keyword abstract: NUCLEAR REACTIONS $^{165}\text{Ho}(n,\gamma)$, E=18-86 eV; measured $E\gamma, I\gamma$. ^{166}Ho deduced resonances, J.

Keynumber: 1970PO07

Reference: Nucl.Phys. A151, 569 (1970)

Authors: W.P.Poenitz, J.R.Tatarczuk

Title: Spin Determination of Resonances in $^{165}\text{Ho}(n,\gamma)$ from Low-Level Occupation Probability Ratios

Keyword abstract: NUCLEAR REACTIONS $^{165}\text{Ho}(n,\gamma)$, 18 eV $< E_n < 86$ eV; measured $\sigma(E;E\gamma)$. ^{166}Ho deduced resonances, J.

Keynumber: 1970EI04

Reference: Nucl.Phys. A147, 150 (1970)

Authors: J.Eichler, F.Djadali

Title: Measurement of the Average Circular γ -Polarization and Determination of Spins for Compound States Formed in Thermal Neutron Capture

Keyword abstract: NUCLEAR REACTIONS ^{95}Mo , ^{113}Cd , ^{115}In , 121 , ^{123}Sb , ^{127}I , ^{133}Cs , ^{141}Pr , 155 , ^{157}Gd , ^{159}Tb , ^{165}Ho , ^{181}Ta , ^{199}Hg (polarized n, γ), E = thermal; measured average γ -circular polarization. ^{96}Mo , ^{114}Cd , ^{116}In , 122 , ^{124}Sb , ^{128}I , ^{134}Cs , ^{142}Pr , 156 , ^{158}Gd , ^{160}Tb , ^{166}Ho , ^{182}Ta , ^{200}Hg deduced J for compound state. Natural targets.

Keynumber: 1970BOZN

Coden: REPT ANL-7739 P1, L M Bollinger, 7/29/71

Keyword abstract: NUCLEAR REACTIONS ^{165}Ho (n, γ), E=resonance; measured $E\gamma$, $I\gamma$. ^{166}Ho deduced levels,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}Pd , 154 , 155 , 156 , ^{157}Gd , 164 , 166 , 167 , ^{168}Er , ^{165}Ho (n, γ),E=thermal,epithermal; measured $E\gamma$, $I\gamma$; 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: 1970BO16

Reference: Phys.Lett. 32B, 457 (1970)

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

Title: Rotational Bands of ^{166}Ho

Keyword abstract: NUCLEAR REACTIONS ^{165}Ho (n, γ), E= resonance; measured $E\gamma$, $I\gamma$. ^{166}Ho deduced levels,J, π ,K.

Keynumber: 1968KO16

Reference: Yadern.Fiz. 7, 493(1968); Soviet J.Nucl.Phys. 7, 310(1968)

Authors: V.A.Konks, Y.P.Popov, Y.I.Fenin

Title: Radiative Capture of Neutrons by Nuclei with A = 140-200

Keyword abstract: NUCLEAR REACTIONS Eu, ^{153}Eu , ^{165}Ho , ^{175}Lu (n, γ), E <50 keV; measured σ .

Keynumber: 1968AS02

Reference: Nucl.Phys. A108, 535(1968)

Authors: M.Asghar, C.M.Chaffey, M.C.Moxon

Title: The Neutron Resonance Parameters and Average Capture Cross Section of ^{165}Ho

Keyword abstract: NUCLEAR REACTIONS ^{165}Ho (n, γ), E = 2.5 to 10^5 eV; ^{165}Ho (n,n), E = 35 to 750 eV; measured $\sigma(E)$. ^{166}Ho deduced resonance parameters.

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 ${}^6\text{Li}$, ${}^7\text{Li}$, ${}^9\text{Be}$, ${}^{10}\text{B}$, ${}^{12}\text{C}$, ${}^{14}\text{N}$, ${}^{19}\text{F}$, ${}^{23}\text{Na}$, ${}^{24}\text{Mg}$, ${}^{25}\text{Mg}$, ${}^{26}\text{Mg}$, ${}^{27}\text{Al}$, ${}^{28}\text{Si}$, ${}^{31}\text{P}$, ${}^{32}\text{S}$, ${}^{35}\text{Cl}$, ${}^{40}\text{Ca}$, ${}^{45}\text{Sc}$, ${}^{48}\text{Ti}$, ${}^{51}\text{V}$, ${}^{55}\text{Mn}$, ${}^{54}\text{Fe}$, ${}^{56}\text{Fe}$, ${}^{59}\text{Co}$, ${}^{58}\text{Ni}$, ${}^{60}\text{Ni}$, ${}^{63}\text{Cu}$, ${}^{65}\text{Cu}$, ${}^{66}\text{Zn}$, ${}^{67}\text{Zn}$, ${}^{73}\text{Ge}$, ${}^{76}\text{Se}$, ${}^{85}\text{Rb}$, ${}^{87}\text{Rb}$, ${}^{89}\text{Y}$, ${}^{93}\text{Nb}$, ${}^{103}\text{Rh}$, ${}^{113}\text{Cd}$, ${}^{123}\text{Te}$, ${}^{133}\text{Cs}$, ${}^{139}\text{La}$, ${}^{141}\text{Pr}$, ${}^{149}\text{Sm}$, ${}^{153}\text{Eu}$, ${}^{157}\text{Gd}$, ${}^{159}\text{Tb}$, ${}^{165}\text{Ho}$, ${}^{167}\text{Er}$, ${}^{169}\text{Tm}$, ${}^{181}\text{Ta}$, ${}^{182}\text{W}$, ${}^{195}\text{Pt}$, ${}^{197}\text{Au}$, ${}^{199}\text{Hg}$, ${}^{203}\text{Tl}$, ${}^{207}\text{Pb}(\text{n},\gamma)$, E = thermal; measured E_γ ; deduced Q. Natural targets.

Keynumber: 1965BA09

Reference: Nucl.Phys. 66, 325 (1965)

Authors: M.K.Balodis, V.A.Bondarenko, P.T.Prokofjev, L.I.Simonova

Title: Excited Levels of Ho^{166}

Keyword abstract: NUCLEAR REACTIONS ${}^{165}\text{Ho}(\text{n},\gamma)$, E = thermal; measured $E(\text{ce})$, $I(\text{ce})$. ${}^{166}\text{Ho}$ deduced levels, J, π , γ -multipolarities. ${}^{166}\text{Ho}$ [from ${}^{165}\text{Ho}(\text{n},\gamma)$]; measured $I(\text{ce})$, $E(\text{ce})$.

Keynumber: 1964KAZZ

Reference: Compt.Rend.Congr.Intern.Phys.Nucl., Paris, P.Gugenberger, Ed., Centre National de la Recherche Scientifique, Paris, Vol.II, p.566 (1964)

Authors: R.Kastner, A.Andreeff, K.F.Alexander

Title: A Chain of Four Isomeric Transitions in Ho^{166}

Keyword abstract: NUCLEAR REACTIONS ${}^{165}\text{Ho}(\text{n},\gamma)$; measured $I_\gamma, E_\gamma, \gamma\gamma(t)$. ${}^{166}\text{Ho}$ deduced levels, $T_{1/2}$.