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47 reference(s) found :

Keynumber: [2000WI08](#)

Reference: Phys.Rev. C61, 065801 (2000)

Authors: K.Wisshak, F.Voss, C.Arlandini, F.Kappeler, L.Kazakov

Title: Stellar Neutron Capture Cross Sections of the Yb Isotopes

Keyword abstract: NUCLEAR REACTIONS $^{170, 171, 172, 173, 174, 176}\text{Yb}(n,\gamma)$, (n,X) , $E=3-225$ keV; measured total, capture σ , isomer ratios; deduced Maxwellian averaged σ . Implications for stellar nucleosynthesis discussed.

Keynumber: 2000VA13

Reference: Fiz.Elem.Chastits At.Yadra 31, 350 (2000); Phys.Part.Nucl. 31, 170 (2000)

Authors: E.V.Vasileva, A.M.Sukhovi, V.A.Khitrov

Title: Influence of the Structure of Excited States in Heavy Ions on the Process of Cascade γ -Decay at Energies below the Neutron Binding Energy

Keyword abstract: NUCLEAR REACTIONS ^{127}I , $^{155, 157}\text{Gd}$, ^{173}Yb , ^{180}Hf , ^{182}W , ^{189}Os , ^{197}Au (n,γ) , E not given; analyzed level densities, dipole strength distributions, two-step cascade intensities following neutron capture; deduced structure effects.

Keynumber: 1999SU03

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

Authors: A.M.Sukhovi, 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 , $^{155, 157}\text{Gd}$, $^{162, 163, 164}\text{Dy}$, ^{167}Er , $^{173, 174}\text{Yb}$, $^{177, 178, 180}\text{Hf}$, $^{187, 189}\text{Os}$, ^{195}Pt , ^{199}Hg , ^{127}I , ^{159}Tb , ^{165}Ho , ^{169}Tm , ^{175}Lu , ^{181}Ta , ^{191}Ir , ^{197}Au , ^{124}Te , $^{182, 185}\text{W}(n,\gamma)$, $E=\text{thermal}$; analyzed $I\gamma$; 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.Vasileva, L.I.Simonova, V.A.Bondarenko, A.M.Sukhovi, 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 , $^{123, 124}\text{Te}$, ^{127}I , $^{134, 136, 137, 138}\text{Ba}$, ^{139}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: 1998WIZW

Reference: Proc.Intern.Symposium on Nuclear Astrophysics, Nuclei in the Cosmos V, Volos, Greece, July 6-11, 1998, N.Prantzos, S.Harissopoulos, Eds., Editions Frontieres, Paris, p.212 (1998)

Authors: K.Wisshak, F.Voss, C.Arlandini, F.Kappeler, T.Rauscher

Title: Neutron Capture in Dy and Yb Isotopes: Implications for the s-process

Keyword abstract: NUCLEAR REACTIONS ^{141}Pr , $^{160, 161, 162, 163, 164}\text{Dy}$, $^{170, 171, 172, 173, 174, 176}\text{Yb}(n,\gamma)$, $E=3-225$ keV; measured capture σ ; deduced stellar capture σ , 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 , $^{197}\text{Au}(n,\gamma)$, 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: 1991BO14

Reference: Z.Phys. A338, 319 (1991)

Authors: S.T.Boneva, V.A.Khitrov, A.M.Sukhovoij, 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 , $^{182}\text{W}(n,\gamma)$, E=reactor; analyzed cascade I_γ . ^{146}Nd , ^{174}Yb , ^{183}W deduced two-quanta cascade energy dependence.

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 , $^{182}\text{W}(n,\gamma)$; measured $\gamma\gamma$ -coin, $I_\gamma\gamma$ vs primary transition E_γ . Amplitude summation method. Fermi-gas model, Strutinsky shell correction approach.

Keynumber: 1989BOZN

Reference: Program and Thesis, Proc.39th Ann.Conf.Nucl.Spectrosc.Struct.At.Nuclei, Tashkent, p.113 (1989)

Authors: S.T.Boneva, E.V.Vasileva, A.V.Voinov, Yu.P.Popov, A.M.Sukhovoij, V.A.Khitrov

Title: Intense Two-Quantum Cascades and Decay Scheme of ^{174}Yb Compound-State

Keyword abstract: NUCLEAR REACTIONS $^{173}\text{Yb}(n,\gamma)$, E=thermal; measured $\gamma\gamma$ -coin, E_γ . ^{174}Yb deduced levels.

Keynumber: 1989BOYR

Reference: JINR-P6-89-43 (1989)

Authors: S.T.Boneva, E.V.Vasileva, A.V.Voinov, Yu.P.Popov, A.M.Sukhovoi, V.A.Khitrov

Title: Intense Two-Quanta Cascades and the Decay Level Scheme of the ^{174}Yb Compound State

Keyword abstract: NUCLEAR REACTIONS $^{173}\text{Yb}(n,\gamma)$, E=thermal; measured E_γ , $I_\gamma\gamma$, $\gamma\gamma$ -coin. ^{174}Yb deduced levels, J, π . Amplitude summation method.

Keynumber: 1987GE01

Reference: J.Phys.(London) G13, 69 (1987)

Authors: W.Gelletly, J.R.Larysz, H.G.Borner, R.F.Casten, W.F.Davidson, W.Mampe, K.Schreckenbach, D.D.Warner

Title: The $^{173}\text{Yb}(n,\gamma)^{174}\text{Yb}$ Reaction and the Level Scheme of ^{174}Yb

Keyword abstract: NUCLEAR REACTIONS $^{173}\text{Yb}(n,\gamma)$, E=thermal; measured $E\gamma, I\gamma, I(\text{ce}), \gamma\gamma$ -coin. ^{174}Yb deduced levels, J, π , transition γ -multipolarity. Enriched targets, curved crystal, β^- , pair, Ge(Li) spectrometers.

Keynumber: 1987BE53

Reference: Yad.Fiz. 46, 392 (1987)

Authors: F.Becvar, J.Honzatko, M.E.Montero-Cabrera, S.A.Telezhnikov, Huynh Thuong Hiep

Title: Study of Photon Strength Functions of ^{174}Yb and $^{176}, ^{177}\text{Lu}$ by Means of (n, γ) Reaction in Isolated Resonances

Keyword abstract: NUCLEAR REACTIONS $^{173}\text{Yb}, ^{175}, ^{176}\text{Lu}(n,\gamma)$, E=reactor spectrum; measured $E\gamma, I\gamma$. $^{174}\text{Yb}, ^{176}, ^{177}\text{Lu}$ deduced γ - strength functions, E1 transition characteristics. Tof.

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

Keynumber: 1982SH04

Reference: Phys.Rev. C25, 1283 (1982)

Authors: O.Shahal, S.Raman, G.G.Slaughter, C.Coceva, M.Stefanon

Title: Electric Dipole Transitions from Neutron Capture in ^{173}Yb Resonances

Keyword abstract: NUCLEAR REACTIONS $^{173}\text{Yb}(n,\gamma)$, E=0.01-0.86 keV; measured $E\gamma, I\gamma$. ^{174}Yb deduced resonances, J, $\Gamma\gamma$, correlations, neutron separation energy. Enriched target, Ge(Li) detector.

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 $^{142}, ^{143}, ^{145}\text{Nd}, ^{155}, ^{157}\text{Gd}, ^{161}, ^{162}, ^{164}\text{Dy}, ^{165}\text{Ho}, ^{174}, ^{173}\text{Yb}(n,\gamma)$, E=thermal; measured $E\gamma$. $^{143}, ^{144}, ^{146}\text{Nd}, ^{156}, ^{158}\text{Gd}, ^{162}, ^{163}, ^{164}, ^{165}\text{Dy}, ^{166}\text{Ho}, ^{175}, ^{174}\text{Yb}$ deduced neutron separation energy.

Keynumber: 1981RAZY

Reference: Bull.Am.Phys.Soc. 26, No.4, 535, AG1 (1981)

Authors: S.Raman, O.Shahal, G.G.Slaughter

Title: Test of Axel-Brink Predictions by a Discrete Approach to Resonance-Averaged (n, γ) Spectroscopy

Keyword abstract: NUCLEAR REACTIONS $^{173}\text{Yb}(n,\gamma)$, E=thermal; measured $E\gamma, I\gamma$. ^{174}Yb deduced resonances, $\langle\Gamma\gamma\rangle$ -strength function. Discrete approach, resonance averaging, Axel-Brink giant resonance model.

Keynumber: 1981RA09

Reference: Phys.Rev. C23, 2794 (1981)

Authors: S.Raman, O.Shahal, G.G.Slaughter

Title: Test of Axel-Brink Predictions by a Discrete Approach to Resonance-Averaged (n, γ) Spectroscopy

Keyword abstract: NUCLEAR REACTIONS $^{173}\text{Yb}(n,\gamma)$, E=0.01-0.52 keV; measured $E\gamma, I\gamma$. ^{174}Yb deduced levels, $\langle \Gamma\gamma \rangle$ γ -strength function. Enriched target, Ge(Li) detector. Axel-Brink GDR model.

Keynumber: 1981GR01

Reference: Phys.Rev. C23, 153 (1981)

Authors: R.C.Greenwood, C.W.Reich

Title: Level Structure of ^{174}Yb from the $^{173}\text{Yb}(n,\gamma)$ Reaction

Keyword abstract: NUCLEAR REACTIONS $^{173}\text{Yb}(n,\gamma)$, E=thermal, 2 keV; measured $E\gamma, I\gamma$. ^{174}Yb deduced levels, J, π , rotational bands. Enriched targets, Ge(Li) detectors.

Keynumber: 1981BE34

Reference: Yad.Fiz. 33, 3 (1981)

Authors: F.Becvar, J.Honzatko, M.Kralik, Nguyen Dang Nhuan, T.Stadnikov, S.A.Telezhnikov

Title: Experimental Test of Quasiparticle-Phonon Model by the Neutron Radiative Capture in the Deformed Nuclei

Keyword abstract: NUCLEAR REACTIONS ^{154}Gd , 171 , ^{173}Yb , ^{167}Er , $^{185}\text{Re}(n,\gamma)$, E=resonance; measured $\sigma(E\gamma)$. ^{168}Er , ^{155}Gd , 172 , ^{174}Yb , ^{186}Re resonances deduced $\Gamma\gamma, \Gamma n$ correlation. Quasiparticle phonon model.

Keynumber: 1980SHZV

Coden: JOUR BAPSA 25 543,EG14,Shahal

Keyword abstract: NUCLEAR REACTIONS $^{173}\text{Yb}(n,\gamma)$, E=17.6-782 eV; measured $E\gamma, I\gamma$. ^{174}Yb deduced levels, J, $\Gamma n, \Gamma\gamma$.

Keynumber: 1978LA14

Reference: Nucl.Phys. A309, 128 (1978)

Authors: J.Larysz, K.Schreckenbach, W.F.Davidson, H.G.Borner, D.D.Warner, R.F.Casten, W.Gelletly

Title: Electric Monopole Transitions from Excited $K\pi = 0^+$ Levels in ^{172}Yb and ^{174}Yb

Keyword abstract: NUCLEAR REACTIONS 171 , $^{173}\text{Yb}(n,\gamma)$, E=th; measured $I(\text{ce})$. ^{172}Yb deduced B (E0). ^{174}Yb deduced no E0 transitions. Bent crystal, precision magnetic spectrometers.

Keynumber: 1977LAZT

Coden: JOUR VDPEA No6/1977,940,A8-3,Laryse

Keyword abstract: NUCLEAR REACTIONS 171 , $^{173}\text{Yb}(n,\gamma)$, E=th; measured γ, ce spectra. 172 , ^{174}Yb deduced levels, δ .

Keynumber: 1977LAZD

Reference: Thesis, Univ.Manchester (1977)

Authors: J.Larysz

Title: Thermal Neutron Capture Studies of ^{172}Yb - ^{174}Yb

Keyword abstract: NUCLEAR REACTIONS 171 , $^{173}\text{Yb}(n,\gamma)$, E=th; measured $E\gamma, I\gamma, I(\text{ce})$; deduced Q. 172 , ^{174}Yb deduced levels, K, J, $\pi, B(\lambda), \text{Sn}$.

Keynumber: 1977ALZT

Coden: REPT JINR-P3-10011,L Aldea

Keyword abstract: NUCLEAR REACTIONS $^{173}\text{Yb}(n,\gamma)$, E=reactor; measured $E\gamma, I\gamma$. ^{174}Yb deduced levels.

Keynumber: 1977AL39

Reference: Czech.J.Phys. B27, 1002 (1977)

Authors: L.Aldea, F.Becvar, J.Honzatko, S.Pospisil, S.A.Telezhnikov

Title: Evidence for Width Correlation in the $^{173}\text{Yb}(n,\gamma)^{174}\text{Yb}$ Reaction

Keyword abstract: NUCLEAR REACTIONS $^{173}\text{Yb}(n,\gamma)$, E=fast reactor spectrum; measured γ -spectra. ^{174}Yb resonances deduced width parameters.

Keynumber: 1974SH25

Reference: Yad.Fiz. 20, 1092 (1974); Sov.J.Nucl.Phys. 20, 572 (1975)

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

Title: Cross Sections for Radiative Neutron Capture in the Energy Range 5-80 keV for Yb Isotopes

Keyword abstract: NUCLEAR REACTIONS $^{171}, ^{172}, ^{173}, ^{174}\text{Yb}(n,\gamma)$, E=5-80 keV; measured relative $\sigma(E, E\gamma)$.

Keynumber: 1974LO13

Reference: Z.Phys. 269, 407 (1974)

Authors: K.E.G.Lobner, J.A.Mirza

Title: E1-M2-E3 Mixing of the 1241.7 keV Transition in ^{174}Yb

Keyword abstract: NUCLEAR REACTIONS $^{173}\text{Yb}(n,\gamma)$; measured $\gamma\gamma(t)$. ^{174}Yb level deduced $T_{1/2}$.

Keynumber: 1973WI19

Reference: Z.Naturforsch. 28a, 226 (1973)

Authors: L.Wimmer

Title: (n, γ)-Studien an Yb 172 und Yb 174

Keyword abstract: NUCLEAR REACTIONS $^{171}, ^{173}\text{Yb}(n,\gamma)$, E=thermal; measured $E\gamma, I\gamma$. $^{172}, ^{174}\text{Yb}$ deduced levels, J, π .

Keynumber: 1973LI03

Reference: Phys.Rev. C7, 823 (1973)

Authors: H.I.Liou, H.S.Camarda, G.Hacken, F.Rahn, J.Rainwater, M.Slagowitz, S.Wynchank

Title: Neutron Resonance Spectroscopy. XI. The Separated Isotopes of Yb

Keyword abstract: NUCLEAR REACTIONS $^{170}, ^{171}, ^{172}, ^{173}, ^{174}, ^{176}\text{Yb}(n,X)$, (n, γ), E <20 keV; measured $\sigma(E), \sigma(nT)(E)$ $^{171}, ^{172}, ^{173}, ^{174}, ^{175}, ^{177}\text{Yb}$ deduced resonances, level-width.

Keynumber: 1973CAZW

Coden: JOUR BAPSA 18 38,R Casten,1/15/73

Keyword abstract: NUCLEAR REACTIONS $^{173}\text{Yb}(n,\gamma)$, E=4.53,17.7 eV; measured $E\gamma, I\gamma, \gamma\gamma$ -coin. ^{174}Yb deduced levels, B(E2), γ -branching.

Keynumber: 1973CAXL

Coden: REPT USNDC-7 P48

Keyword abstract: NUCLEAR REACTIONS $^{173}\text{Yb}(n,\gamma)$; measured $E\gamma, I\gamma$. ^{174}Yb deduced levels, γ -branching.

Keynumber: 1973CA22

Reference: Phys.Rev. C8, 1035 (1973)

Authors: R.F.Casten, D.Breitig, W.R.Kane, S.F.Mughabghab

Title: K = 0 Rotational Bands in ^{174}Yb

Keyword abstract: NUCLEAR REACTIONS $^{173}\text{Yb}(n,\gamma)$, E=4.53,17.7 eV; measured $E\gamma,\gamma\gamma$ -coin, $I\gamma$. ^{174}Yb deduced levels, J,π ,B(E2),K, γ -branching,band mixing.

Keynumber: 1972MUZP

Coden: CONF Budapest,Contributions,P214,S Mughabghab,10/13/72

Keyword abstract: NUCLEAR REACTIONS ^{163}Dy , $^{173}\text{Yb}(n,\gamma)$, E <253 eV; measured $\sigma(E;E\gamma)$. ^{164}Dy , ^{174}Yb deduced resonances,J.

Keynumber: 1971MUZY

Coden: JOUR BAPSA 16 496

Keyword abstract: NUCLEAR REACTIONS $^{173}\text{Yb}(n,\gamma)$, E=resonance; measured $E\gamma,I\gamma$. ^{174}Yb deduced doorway states.

Keynumber: 1971MUZS

Coden: CONF CONF-710301(Knoxville),Vol2,P804,11/2/71

Keyword abstract: NUCLEAR REACTIONS $^{173}\text{Yb}(n,\gamma)$, E=resonance; measured $E\gamma,I\gamma$. ^{174}Yb deduced resonances,J.

Keynumber: 1971MOZK

Coden: REPT BNL-50298,P21,10/21/71

Keyword abstract: NUCLEAR REACTIONS $^{173}\text{Yb}(n,\gamma)$, E=resonance; measured $E\gamma,I\gamma$. ^{174}Yb deduced resonances,J.

Keynumber: 1971GRYH

Coden: REPT ANCR-1016,P29,1/28/72.

Keyword abstract: NUCLEAR REACTIONS 171 , ^{173}Yb , $^{183}\text{W}(n,\gamma)$, E=thermal,2 keV; measured $I\gamma$. 172 , ^{174}Yb , ^{184}W deduced transitions.

Keynumber: 1971GRXL

Reference: ANCR-1016, p.29 (1971)

Authors: R.C.Greenwood, C.W.Reich

Title: Neutron Capture γ -Ray Studies Using the 2-keV Neutron Beam Facility

Keyword abstract: NUCLEAR REACTIONS 171 , ^{173}Yb , ^{183}W , $\text{W}(n,\gamma)$, E=thermal,2 keV; measured $E\gamma,I\gamma$; deduced capture σ . 172 , ^{174}Yb , 183 , 184 , 185 , ^{187}W deduced transitions.

Keynumber: 1971GRXG

Coden: REPT ANCR-1016,P29,1/28/72

Keyword abstract: NUCLEAR REACTIONS 171 , ^{173}Yb , $^{183}\text{W}(n,\gamma)$, E = thermal,2 keV; measured $E\gamma,I\gamma$. 172 , ^{174}Yb , ^{184}W deduced transitions, γ -branching.

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 $^{147, 148}\text{Sm}$, $^{154, 158}\text{Gd}$, $^{160, 161, 162, 163}\text{Dy}$, ^{166}Er , $^{170, 171, 172, 173}\text{Yb}(n,\gamma)$, E=pile,thermal; measured σ ; deduced effective resonance integral.

Keynumber: 1971AL14

Reference: Phys.Scr. 3, 55 (1971)

Authors: G.Alenius, S.E.Arnell, C.Schale, E.Wallander

Title: Thermal Neutron Capture Investigation of the ^{172}Yb and ^{174}Yb Level Structures

Keyword abstract: NUCLEAR REACTIONS $^{171, 173}\text{Yb}(n,\gamma)$, E=thermal; measured $E\gamma, I\gamma$; deduced Q. $^{172, 174}\text{Yb}$ deduced levels, J, π , K, γ -branching. Ge(Li) pair, anti-Compton spectrometer.

Keynumber: 1970GRZR

Coden: REPT IN-1407 P128

Keyword abstract: NUCLEAR REACTIONS $^{173}\text{Yb}(n,\gamma)$, E=thermal, 2 keV; measured $E\gamma, I\gamma$. ^{174}Yb deduced levels, J, π , γ -branching.

Keynumber: 1970GRZI

Coden: REPT IN-1407 P128

Keyword abstract: NUCLEAR REACTIONS $^{173}\text{Yb}(n,\gamma)$, E=thermal, 2keV; measured $E\gamma, I\gamma$. ^{174}Yb deduced levels, J, π , K, B(λ).

Keynumber: 1970GRYW

Reference: IN-1407, p.128 (1970); C.W.Reich - Priv.Comm. (1972)

Authors: R.C.Greenwood, C.W.Reich, J.J.H.Berlijn

Title: Levels in ^{174}Yb from $^{173}\text{Yb}(n,\gamma)$

Keyword abstract: NUCLEAR REACTIONS $^{173}\text{Yb}(n,\gamma)$, E=thermal, 2 keV; measured $E\gamma, I\gamma$. ^{174}Yb deduced levels, J, π , K, B(λ).

Keynumber: 1969NAZV

Reference: Contrib.Intern.Conf.Properties Nucl.States, Montreal, Canada, p.26 (1969)

Authors: A.I.Namenson, J.C.Ritter

Title: Regularities in Gamma Spectra Resulting from Thermal Neutron Capture by Even-Even Yb Isotopes

Keyword abstract: NUCLEAR REACTIONS $^{170, 171, 172, 173, 174}\text{Yb}(n,\gamma)$; measured $E\gamma, I\gamma$. Deduced Q. $^{171, 172, 173, 174, 175}\text{Yb}$ deduced levels.

Keynumber: 1969NA08

Reference: Phys.Rev. 183, 983 (1969)

Authors: A.I.Namenson, J.C.Ritter

Title: Thermal-Neutron-Capture Gamma Rays in Yb^{170} , Yb^{172} , and Yb^{174}

Keyword abstract: NUCLEAR REACTIONS $^{170, 171, 172, 173, 174}\text{Yb}(n,\gamma)$, E = thermal; measured $E\gamma, I\gamma$; deduced Q. $^{171, 172, 173, 174, 175}\text{Yb}$ deduced levels, J, π . Ge(Li) detector.

Keynumber: 1966WAZZ

Reference: Proc.Intern.Conf.Study of Nucl.Struct.with Neutrons, Antwerp, Belgium (1965), M.N.De Mevergnies, P.Van Assche, J.Vervier, Eds., North-Holland Publishing Co., Amsterdam, p.572(1966); EANDC-50-S, Paper 187

Authors: N.-Y.Wang, E.N.Karzhavina, A.B.Popov, Y.S.Yazvitsky, C.-C.Yao

Title: Neutron Resonances of Yb Isotopes

Keyword abstract: NUCLEAR REACTIONS $^{171}, ^{172}, ^{173}, ^{174}, ^{176}\text{Yb}(n,\gamma), E < 150 \text{ eV}$; measured $\sigma(E)$.
 $^{172}, ^{174}\text{Yb}$ deduced resonances, strength functions.
