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55 reference(s) found :

Keynumber: 2001VA11
Reference: Yad.Fiz. 64, No 2, 195 (2001); Phys.Atomic Nuclei 64, 153 (2001)
Authors: E.V.Vasilieva, A.M.Sukhovoj, V.A.Khitrov
Title: Direct Experimental Estimate of Parameters That Determine the Cascade Gamma Decay of Compound States of Heavy Nuclei
Keyword abstract: NUCLEAR REACTIONS ^{113}Cd, ^{123}Te, ^{127}I, ^{149}Sm, ^{155}Gd, ^{159}Tb, ^{169}Tm, ^{180}Hf, ^{189}Os, ^{191}Ir, ^{195}Pt, ^{199}Hg(n,γ),E=thermal; measured Eγ, 2-step photon cascades. ^{114}Cd, ^{124}Te, ^{128}I, ^{150}Sm, ^{156}Gd, ^{160}Tb, ^{170}Tm, ^{181}Hf, ^{190}Os, ^{192}Ir, ^{196}Pt, ^{200}Hg deduced level densities vs excitation energy, sum of radiative strengths for E1 and M1 transitions. Comparison with Statistical Model calculations.

Keynumber: 2000WIZZ
Reference: Proc.2nd Intern.Conf Fission and Properties of Neutron-Rich Nuclei, St Andrews, Scotland, June 28-July 3, 1999, J.H.Hamilton, W.R.Phillips, H.K.Carter, Eds., World Scientific, Singapore, p.379 (2000)
Authors: J.B.Wilhelmy, M.M.Fowler, R.C.Haight, G.G.Miller, R.S.Rundberg, E.H.Seabury, J.L.Ullmann, M.Heil, F.Kaeppeler, R.Reifarth, F.Voss, K.Wisshak
Title: Neutron Capture on Radioactive Targets: Probing the s-Process
Keyword abstract: NUCLEAR REACTIONS ^{169}, ^{171}Tm(n,γ),E=0.1,100 keV; measured Eγ,σ. Comparison with statistical model calculations.

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: 1998HUZY
Reference: INDC(CPR)-045 (1998)
Authors: X.Huang, H.Lu, W.Zhao, W.Yu, X.Han
Title: Neutron Activation Cross Section Measurements and Evaluations in CIAE

Keyword abstract: NUCLEAR REACTIONS $^{46, 47}$Ti, $^{54, 56}$Fe, ^{59}Co, $^{58, 60}$Ni, ^{64}Zn, ^{92}Mo(n,p), ^{54}Fe, ^{62}Ni, ^{63}Cu(n,α), ^{58}Ni(n,np), ^{71}Ga, ^{159}Tb, ^{169}Tm(n,γ), ^{85}Rb, ^{93}Nb, ^{140}Ce, ^{175}Lu, ^{176}Hf, ^{181}Ta, ^{185}, ^{187}Re(n,2n),E $\approx$ 5-20 MeV; measured activation σ.

Keynumber: 1997YUZZ
Reference: INDC(CPR)-042/L, p.66 (1997)
Authors: B.Yu, G.Tang, Z.Shi
Title: Evaluation and Calculation of Activation Cross Sections for ^{169}Tm(n,2n), (n,3n), (n,γ) and (n,x) Reactions Below 20 MeV
Keyword abstract: NUCLEAR REACTIONS ^{169}Tm(n,2n), (n,3n), (n,γ), (n,X),E=0-20 MeV; analyzed σ.

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: 1997CHZX
Reference: INDC(CPR)-043/L, p.9 (1997)
Authors: J.Chen, Z.Shi, G.Tang, G.Zhang, H.Lu, X.Han, X.Huang, Y.Chang, J.Wang, W.Wang
Title: Measurement of Activation Cross Sections for ^{159}Tb(n,γ)^{160}Tb and ^{169}Tm(n,γ)^{170}Tm Reactions
Keyword abstract: NUCLEAR REACTIONS ^{159}Tb, ^{169}Tm(n,γ),E=0.57,1.10,1.60 MeV; measured σ. Activation technique,other results compared.

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: 1996VA23
Reference: Bull.Rus.Acad.Sci.Phys. 60, 1695 (1996)
Authors: E.V.Vasilieva, A.V.Voinov, A.M.Sukhovoi, V.A.Khitrov, Yu.V.Kholnov
Title: Features of Cascade γ-Decay of the ^{170}Tm Compound State Excited by Thermal Neutron Capture
Keyword abstract: NUCLEAR REACTIONS ^{169}Tm(n,γ),E=thermal; measured Eγ,Iγ,$\gamma\gamma$-coin. ^{170}Tm deduced levels,level density,cascade intensities related features. Model comparisons.

Keynumber: 1996HO12
Reference: Phys.Rev. C54, 78 (1996)
Authors: R.W.Hoff, H.G.Borner, K.Schreckenbach, G.G.Colvin, F.Hoyler, W.Schauer, T.von Egidy,

R.Georgii, J.Ott, S.Schrunder, R.F.Casten, R.L.Gill, M.Balodis, P.Prokofjevs, L.Simonova, J.Kern, V.A.Khitrov, A.M.Sukhovoj, O.Bersillon, S.Joly, G.Graw, D.Hofer, B.Valnion

Title: Nuclear Structure of ^{170}Tm from Neutron-Capture and (d,p)-Reaction Measurements

Keyword abstract: NUCLEAR REACTIONS ^{169}Tm(n,γ),E=thermal; measured $\gamma\gamma$-coin,I(ce),Eγ,Iγ. ^{169}Tm(d,p),E=26 MeV; measured spectra,$\sigma(\theta)$. ^{170}Tm deduced levels,J,π,subshell ICC,γ-multipolarity,band structure.

Keynumber: 1995HOZU

Reference: Program and Thesis, Proc.45th Ann.Conf.Nucl.Spectrosc.Struct.At.Nuclei, St.Petersburg, p.101 (1995)

Authors: R.W.Hoff, H.G.Borner, K.Schreckenbach, G.G.Colvin, F.Hoyler, T.von Egidy, S.Schrunder, W.Schauer, R.Georgii, R.F.Casten, R.Gill, M.Balodis, P.Prokofjevs, L.Simonova, J.Berzins, V.Bondarenko, S.Joly, O.Bersillon, J.Kern

Title: Nuclear Structure of ^{170}Tm from Neutron-Capture and (d,p)-Reaction Measurements

Keyword abstract: NUCLEAR REACTIONS ^{169}Tm(n,γ),E=thermal,resonances,2.24 keV; measured Eγ,Iγ,$\gamma\gamma$-coin. ^{169}Tm(d,p),E not given; measured σ(Ep). ^{170}Tm deduced levels,J,π,configurations.

Keynumber: 1995BEZY

Reference: Program and Thesis, Proc.45th Ann.Conf.Nucl.Spectrosc.Struct.At.Nuclei, St.Petersburg, p.99 (1995)

Authors: J.Berzins, V.Bondarenko, P.Prokofjevs, L.Simonova

Title: $\gamma\gamma$-Coincidences in the Reaction ^{169}Tm(n,γ)^{170}Tm

Keyword abstract: NUCLEAR REACTIONS ^{169}Tm(n,γ),E=thermal; measured $\gamma\gamma$-coin. ^{170}Tm deduced levels.

Keynumber: 1994HOZZ

Reference: Priv.Comm. (1994)

Title:

Authors: R.W.Hoff, H.G.Borner, K.Schreckenbach, G.G.Colvin, F.Hoyler, T.von Egidy, R.Georgii, J.Ott, W.Schauer, S.Schrunder, R.F.Casten, R.Gill, M.Balodis, P.Prokofjevs, L.Simonova, J.Kern, O.Bersillon, S.Joly

Keyword abstract: NUCLEAR REACTIONS ^{169}Tm(n,γ),E=thermal; analyzed $\gamma\gamma$-coin data. ^{170}Tm deduced levels,Eγ,Iγ.

Keynumber: 1989XI01

Reference: Chin.J.Nucl.Phys. 11, No.2, 75 (1989)

Authors: Y.Xia, J.Yang, Z.Yang, W.Zhao, W.Yu

Title: Measurement of Neutron Capture Cross Sections of ^{169}Tm in the Energy Range from 10 to 100 keV

Keyword abstract: NUCLEAR REACTIONS ^{169}Tm(n,γ),E=10-100 keV; measured capture σ(E).

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; meaured Eγ,absolute Iγ. ^{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: 1988XI02
Reference: Chin.J.Nucl.Phys. 10, 102 (1988)
Authors: Xia Yijun, Yang Jingfu, Yang Zhihua, Zhao Wenrong, Yu Weixiang
Title: Measurement of the Neutron Capture Cross Section of ^{169}Tm in the Energy Range from 10 to 100 keV
Keyword abstract: NUCLEAR REACTIONS ^{169}Tm(n,γ),E=10-100 keV; measured capture σ(E). Moxon-Rae detector, ^{197}Au standard.

Keynumber: 1987XU02
Reference: Chin.J.Nucl.Phys. 9, 127 (1987)
Authors: Xu Haishan, Xiang Zhengyu, Mu Yunshan, Chen Yaoshun, Liu Jinrong, Li Yexiang
Title: Measurements of Fast Neutron Capture Cross Section of the ^{169}Tm and ^{181}Ta
Keyword abstract: NUCLEAR REACTIONS ^{169}Tm, ^{181}Ta(n,γ),E=1.01,1.21,1.44 MeV; measured capture σ(E). Tof,liquid scintillation counter.

Keynumber: 1982MA33
Reference: Nucl.Sci.Eng. 82, 143 (1982)
Authors: R.L.Macklin, D.M.Drake, J.J.Malanify, E.D.Arthur, P.G.Young
Title: Cross Section of the ^{169}Tm(n,γ) Reaction from 2.6 keV to 2 MeV
Keyword abstract: NUCLEAR REACTIONS ^{169}Tm(n,γ),E=3-2000 keV; measured σ(capture). ^{170}Tm deduced resonances,parameters,s-,p-,d-wave strength functions.

Keynumber: 1982JI03
Reference: Chin.J.Nucl.Phys. 4, 136 (1982)
Authors: Jiang Songsheng, Luo Dexing, Zhou Zuying, Chen Ying
Title: Measurement of Neutron Capture Cross Sections for ^{169}Tm from 0.1 to 1.5 MeV
Keyword abstract: NUCLEAR REACTIONS ^{169}Tm(n,γ),E=0.1-1.5 MeV; measured σ(capture)). Activation technique, ^{197}Au standard,4π β-γ coincidence.

Keynumber: 1979JO10
Reference: Phys.Rev. C20, 2072 (1979)
Authors: S.Joly, D.M.Drake, L.Nilsson
Title: Gamma-Ray Strength Functions for ^{104}Rh, ^{170}Tm, and ^{198}Au
Keyword abstract: NUCLEAR REACTIONS ^{103}Rh, ^{169}Tm, ^{197}Au(n,γ),E=0.5-3.0 MeV; measured σ(E,Eγ). ^{104}Rh, ^{170}Tm, ^{198}Au deduced γ-ray strength functions,Γγ.

Keynumber: 1978ZA10
Reference: Yad.Fiz. 27, 1534 (1978); Sov.J.Nucl.Phys. 27, 808 (1978)
Authors: D.F.Zaretskii, V.K.Sirotkin
Title: Total Radiative Widths of Neutron Resonances
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl, ^{55}Mn, ^{68}Zn, ^{78}Se, ^{88}Sr, ^{96}Mo, ^{107}Ag, ^{116}Sn, ^{129}I, ^{143}Nd, ^{149}Sm, ^{161}Dy, ^{169}Tm, ^{179}Hf, ^{191}Ir, ^{199}Hg, ^{203}Tl, $^{235, 238}$U, ^{243}Am(n,γ); calculated total Γγ assuming dipole transitions.

Keynumber: 1978SIZS
Coden: CONF BNL(Neutron Capt γ-Ray Spectr),Contrib,No73,Simon

Keyword abstract: NUCLEAR REACTIONS ^{169}Tm(n,γ),E=.00001 eV-20 MeV; calculated σ using published resonance parameters,Reich-Moore formalism for E <760.6 eV,statistical model at higher energies.

Keynumber: 1978SIZI

Coden: CONF Brookhaven(Neutron Capt γ-Ray Spectr),Proc,P754,Simon

Keyword abstract: NUCLEAR REACTIONS ^{169}Tm(n,γ),E=.00001-760.6 eV; calculated σ. Reich-Moore formalism. ^{169}Tm(n,γ),E=760.6 eV-20 MeV; calculated σ. Statistical model.

Keynumber: 1978JOZU

Coden: CONF BNL(Neutron Capt γ-Ray Spectr),Contrib,No36,Joly

Keyword abstract: NUCLEAR REACTIONS ^{169}Tm, ^{197}Au(n,γ),E=0.5-3.0 MeV; measured σ(Eγ). ^{170}Tm, ^{198}Au deduced γ-strength function.

Keynumber: 1978JOZR

Coden: CONF Brookhaven(Neutron Capt γ-Ray Spectr),Proc,P637,Joly

Keyword abstract: NUCLEAR REACTIONS ^{169}Tm, ^{197}Au(n,γ),E=0.5-3.0 MeV; measured Eγ,Iγ. ^{170}Tm, ^{198}Au deduced γ-strength functions. Statistical model,spectrum fitting method.

Keynumber: 1975ARZX

Coden: JOUR BAPSA 20 139 BB17

Keyword abstract: NUCLEAR REACTIONS ^{169}Tm, ^{197}Au(n,γ); measured σ. ^{170}Tm, ^{198}Au resonances deduced J,level-width.

Keynumber: 1974THZF

Coden: PC B W Thomas,11/19/74

Keyword abstract: NUCLEAR REACTIONS ^{103}Rh, ^{93}Nb, ^{169}Tm, ^{240}Pu(n,γ); measured Eγ,Iγ. ^{104}Rh, ^{94}Nb, ^{170}Tm, ^{241}Pu deduced levels,J,π,neutron binding energies. ^{238}U(n,γ),E <350 eV; measured σ(Eγ). ^{239}U deduced $T_{1/2}$,resonances.

Keynumber: 1974SI11

Reference: Ann.Phys.(New York) 83, 355 (1974)

Authors: K.Siddappa, M.S.Murty, J.R.Rao

Title: Neutron Strength Functions of Nuclei in the Deformed Region

Keyword abstract: NUCLEAR REACTIONS ^{138}Ba, $^{140, 142}$Ce, $^{146, 148}$Nd, $^{152, 154}$Sm, $^{158, 160}$Gd, ^{159}Tb, ^{169}Tm, ^{170}Er, $^{174, 176}$Yb, ^{180}Hf, ^{181}Ta, ^{186}W, $^{190, 192}$Os, ^{197}Au, ^{202}Hg(n,γ),E=18-28 keV; measured σ; deduced p-wave strength functions.

Reference: Can.J.Phys. 52, 1160 (1974)

Authors: B.Singh, M.W.Johns

Title: Spin Determinations in Low Lying States of ^{151}Sm

Keyword abstract: RADIOACTIVITY ^{151}Pm; measured γγ(θ),Iγ. ^{151}Sm levels deduced J,π,γ-mixing,λ.

Keynumber: 1974BA27

Reference: Nucl.Phys. A222, 525 (1974)

Authors: Y.Baudinet-Robinet

Title: Statistical Analysis of Correlations between Partial Widths of Different Channels

Keyword abstract: NUCLEAR REACTIONS ^{29}Si(γ,n), ^{169}Tm, ^{163}Dy, ^{207}Pb(n,γ); calculated correlations.

Keynumber: 1974ARZG
Coden: REPT USNDC-11 P73

Keyword abstract: NUCLEAR REACTIONS ^{169}Tm(n,γ); measured not given. ^{170}Tm deduced resonance parameters.

Keynumber: 1973HE15
Reference: Z.Phys. 258, 315 (1973)
Authors: R.Henkelmann
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,Hg(n,γ); measured Eγ,Iγ.

Keynumber: 1973HAYP
Coden: REPT EANDC(US)-186'U' P6

Keyword abstract: NUCLEAR REACTIONS $^{98, 100}$Mo, ^{109}Ag, $^{127, 129}$I, ^{139}La, $^{151, 153}$Eu, ^{159}Tb, ^{169}Tm, ^{181}Ta(n,γ); measured integral σ.

Keynumber: 1973BO32
Reference: Phys.Lett. 45B, 81 (1973)
Authors: E.Boridy, C.Mahaux
Title: Relation between the Background Cross Section and the Correlation between Partial Widths

Keyword abstract: NUCLEAR REACTIONS ^{29}Si, ^{208}Pb(γ,n), ^{169}Tm(n,γ); measured nothing,calculated background σ.

Keynumber: 1973ARZZ
Coden: JOUR BAPSA 18 96,J Arbo,1/15/73

Keyword abstract: NUCLEAR REACTIONS ^{103}Rh, ^{169}Tm, ^{197}Au(n,γ); measured σ(E;Eγ). ^{104}Rh, ^{170}Tm, ^{198}Au deduced resonance parameters.

Keynumber: 1973ARYW
Coden: REPT COO-2176-20 P8

Keyword abstract: NUCLEAR REACTIONS ^{103}Rh, ^{169}Tm(n,γ); measured σ(E). ^{104}Rh, ^{170}Tm deduced resonances.

Keynumber: 1973ARYE
Coden: REPT USNDC-7 P79

Keyword abstract: NUCLEAR REACTIONS ^{169}Tm, ^{103}Rh(n,γ); measured σ. ^{170}Tm, ^{104}Rh deduced resonances,level-width.

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: 1972TEZR
Coden: REPT CEA-N-1563
Keyword abstract: NUCLEAR REACTIONS ^{169}Tm(n,γ); measured σ(Eγ).

Keynumber: 1972SI20
Reference: J.Phys.(London), A5, 877 (1972)
Authors: K.Siddappa, M.S.Murty, J.Rama Rao
Title: p Wave Neutron Capture in Medium and Heavy Weight Nuclei
Keyword abstract: NUCLEAR REACTIONS ^{74}, ^{78}Se, ^{84}Sr, ^{109}Ag, ^{122}Te, ^{159}Tb, ^{169}Tm, ^{174}, ^{176}Yb, ^{178}, ^{179}Hf, ^{192}Os(n,γ),E=25 keV; measured average σ.

Keynumber: 1972CHZJ
Coden: REPT ORNL-4743,P79,6/7/72
Keyword abstract: NUCLEAR REACTIONS ^{169}Tm(n,γ),E=5-900 eV; measured Eγ,Iγ. ^{170}Tm deduced levels,J.

Keynumber: 1972AR39
Reference: Trans.Amer.Nucl.Soc. 15, 943 (1972)
Authors: J.C.Arbo, J.P.Felvinci, W.W.Havens, Jr., C.Ho, E.Melkonian, F.J.Rahn
Title: Capture Resonance Parameters of ^{169}Tm
Keyword abstract: NUCLEAR REACTIONS ^{169}Tm(n,γ); measured σ(E;Eγ). ^{170}Tm deduced resonances.

Keynumber: 1971CHZN
Coden: JOUR BAPSA 16 1181,R E Chrien,10/29/71
Keyword abstract: NUCLEAR REACTIONS ^{169}Tm(n,γ), measured unspecified. ^{170}Tm resonances deduced J,level-width correlations.

Keynumber: 1971CHZL
Coden: REPT BNL-16105,R E Chrien,12/4/71
Keyword abstract: NUCLEAR REACTIONS ^{169}Tm(n,γ), ^{98}Mo(n,γ),E <5 keV; measured Iγ. ^{170}Tm, ^{99}Mo deduced resonances,J,level-width,strength functions.

Keynumber: 1971CHYU
Coden: REPT NCSAC-42,P33,R E Chrien,5/19/72
Keyword abstract: NUCLEAR REACTIONS ^{169}Tm(n,γ),E <1 keV; measured Iγ. ^{170}Tm deduced resonances,J.

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}W(n,γ),E=resonance; calculated resonance widths,doorway state contributions.

Keynumber: 1970SI10
Reference: J.Inorg.Nucl.Chem. 32, 2839 (1970)
Authors: G.H.E.Sims, D.G.Juhnke

Title: The Thermal Neutron Capture Cross-Sections and Resonance Capture Integrals of ^{44}Ca, ^{62}Ni, ^{168}Yb, ^{174}Yb, ^{169}Tm, and ^{203}Tl

Keyword abstract: NUCLEAR REACTIONS ^{44}Ca, ^{62}Ni, ^{168}, ^{174}Yb, ^{169}Tm, ^{203}Tl(n,γ), E=thermal; measured σ; deduced resonance integrals.

Keynumber: 1970MUZS
Coden: CONF Madurai(Nucl,Solid State Phys),Vol2,P29
Keyword abstract: NUCLEAR REACTIONS ^{74}Se, ^{84}Sr, ^{109}Ag, ^{122}Te, ^{159}Tb, ^{168}Yb, ^{174}, ^{176}Yb, ^{169}Tm, ^{178}, ^{179}Hf, ^{191}Ir, ^{192}Os(n,γ),E=25 MeV; measured σ.

Keynumber: 1970BH03
Reference: Phys.Rev. C2, 2030 (1970)
Authors: M.R.Bhat, R.E.Chrien, D.I.Garber, O.A.Wasson
Title: Low-Energy Gamma Rays from Resonant Neutron Capture in Tm^{169}

Keyword abstract: NUCLEAR REACTIONS ^{169}Tm(n,γ),E=slow; measured Eγ,Iγ,γγ-delay. ^{170}Tm resonances deduced J. ^{170m}Tm deduced T$_{1/2}$.

Keynumber: 1968LO09
Reference: Phys.Rev. 174, 1512 (1968)
Authors: M.A.Lone, R.E.Chrien, O.A.Wasson, M.Beer, M.R.Bhat, H.R.Muether
Title: Resonant and Nonresonant Capture of Slow Neutrons in Tm^{169}(n,γ)Tm^{170}

Keyword abstract: NUCLEAR REACTIONS ^{169}Tm(n,γ), E <136 eV; measured Eγ, Iγ. ^{170}Tm deduced resonances, levels, J, π, level-width.

Keynumber: 1968CRZY
Reference: Proc.Conf.Advances in Mass Spectroscopy, Berlin, E.Kendrick, Ed., Inst. Of Petroleum, London, Vol.4, p.955 (1968)
Authors: I.H.Crocker, R.D.Werner, W.Cherrin
Title: A Mass Spectrometric Determination of the Electron Capture to Electron Emission Ratio of ^{170}Tm and the Reactor Neutron Cross-Sections of ^{169}Tm, ^{170}Tm, and ^{171}Tm

Keyword abstract: RADIOACTIVITY ^{170}Tm; measured EC/β- branching ratio.

Keyword abstract: NUCLEAR REACTIONS ^{169}, ^{170}, ^{171}Tm(n,γ),E=reactor spectrum; measured σ.

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: 1967BE52
Reference: Yadern.Fiz. 6, 3 (1967); Soviet J.Nucl.Phys. 6, 1 (1968)
Authors: A.M.Berestovoi, I.A.Kondurov, Y.E.Loginov, L.K.Peker

Title: K-Forbidden Isomeric E1 transition in Tm^{170}
Keyword abstract: NUCLEAR REACTIONS ^{169}Tm(n,γ),E=thermal; measured Eγ,Iγ,γγ-coin,γγ-delay. ^{170}Tm deduced K-forbidden isomeric transition,T$_{1/2}$,γ-multipolarity.

Keynumber: 1967BA17
Reference: Phys.Letters 24B, 389 (1967)
Authors: A.Backlin
Title: E2/M1 Mixing Ratios of Transitions in ^{170}Tm
Keyword abstract: NUCLEAR REACTIONS ^{169}Tm(n,γ),E=thermal; measured I(ce),E(ce). ^{170}Tm transitions deduced γ-mixing ratios.

Keynumber: 1967AN04
Reference: Nucl.Phys. A102, 241 (1967)
Authors: A.Andreeff, R.Kastner, P.Manfrass, M.Bonitz, J.Borggreen, N.J.Sigurd Hansen
Title: The ±-Forbidden Decay of the 4.1 μs Isomeric State in ^{170}Tm
Keyword abstract: NUCLEAR REACTIONS ^{169}Tm(n,γ), E=th; ^{170m}Tm measured T$_{1/2}$, σ act, Eγ, Iγ, γγ-coin, γ-delay. ^{170}Tm deduced levels. Natural target. ^{169}Tm(d,p), E=9 MeV; ^{170m}Tm measured T$_{1/2}$, Eγ, Iγ, E(ce), I(ce), γ-delay, ce-delay. Natural target.