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47 reference(s) found :

Keynumber: 2001HAZT

Reference: INDC(CPR)-053/L, p.23 (2001)

Authors: Y.Han

Title: Calculation and Recommendation of $n + {}^{174,176-180}\text{NatHf}$ Reactions

Keyword abstract: NUCLEAR REACTIONS $\text{Hf}, {}^{174}, {}^{176}, {}^{177}, {}^{178}, {}^{179}, {}^{180}\text{Hf}(n,n), (n,n'), (n,\gamma), (n,2n), (n,p), E < 20 \text{ MeV}$; calculated σ . Comparisons with data.

Keynumber: 2001DE25

Reference: J.Radioanal.Nucl.Chem. 248, 103 (2001)

Authors: F.De Corte, S.Van Lierde

Title: Evaluation of (n,γ) Cross Sections from k_0 -Factors for Radionuclides with a Short Half-Life and/or a Complex Activation-Decay Scheme

Keyword abstract: NUCLEAR REACTIONS ${}^{19}\text{F}, {}^{40}\text{Ar}, {}^{59}\text{Co}, {}^{70}\text{Zn}, {}^{76}\text{Se}, {}^{79}\text{Br}, {}^{103}\text{Rh}, {}^{108}\text{Pd}, {}^{109}\text{Ag}, {}^{121}, {}^{123}\text{Sb}, {}^{133}\text{Cs}, {}^{178}\text{Hf}, {}^{198}\text{Pt}, {}^{204}\text{Hg}(n,\gamma), E=\text{thermal}$; measured activation σ . Comparisons with previous results.

Keynumber: 2000WAZW

Reference: INDC(CPR)-052/L, p.103 (2000)

Authors: T.Wang, T.Liu, J.Liu

Title: The Experimental Data Evaluation for Natural Hf and Its Isotopes

Keyword abstract: NUCLEAR REACTIONS ${}^{176}, {}^{177}, {}^{178}, {}^{179}, {}^{180}\text{Hf}(n,\gamma), E < 3 \text{ MeV}$; $\text{Hf}(n,\gamma), (n,X), E < 20 \text{ MeV}$; compiled,evaluated σ .

Keynumber: 2000LIZU

Reference: INDC(CPR)-052/L, p.72 (2000)

Authors: J.Liu, T.Wang, T.Liu

Title: Progress on Theoretical Calculations of Neutron Induced Reaction on ${}^{174,176,178,180}\text{Hf}$ in the Energy Region from 0.01 MeV to 20 MeV

Keyword abstract: NUCLEAR REACTIONS ${}^{174}, {}^{176}, {}^{178}, {}^{180}\text{Hf}(n,X), (n,p), (n,\alpha), (n,\gamma), E < 20 \text{ MeV}$; calculated σ . Comparisons with data.

Keynumber: 1999VA07

Reference: Nucl.Instrum.Methods Phys.Res. A422, 874 (1999)

Authors: S.Van Lierde, F.De Corte, D.Bossus, R.van Sluijs, S.Pomme

Title: Determination of k_0 and Related Nuclear Data for Short-Lived Radionuclides to be used in KAYZERO-NAA at DSM Research

Keyword abstract: NUCLEAR REACTIONS ${}^{19}\text{F}, {}^{70}\text{Zn}, {}^{76}\text{Se}, {}^{79}\text{Br}, {}^{103}\text{Rh}, {}^{108}\text{Pd}, {}^{109}\text{Ag}, {}^{123}\text{Sb}, {}^{178}\text{Hf}, {}^{204}\text{Hg}(n,\gamma), E=\text{reactor}$; measured E_γ, I_γ ; deduced k_0 for neutron activation analysis.

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 , $^{185}\text{W}(\text{n},\gamma)$, $E=\text{thermal}$; analyzed $\text{I}\gamma$; 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.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 , $^{199}\text{Hg}(\text{n},\gamma)$, E not given; analyzed two-photon γ cascade data; deduced structure effects.

Keynumber: 1998MU19

Reference: Nucl.Instrum.Methods Phys.Res. A411, 396 (1998)

Authors: G.V.Muradian, V.V.Petrenko, O.Ya.Shatrov, V.L.Volkov, M.A.Voskanyan, L.P.Yastrebova

Title: High-Efficiency Neutron Spectrometer

Keyword abstract: NUCLEAR REACTIONS $^{178\text{m}}\text{Hf}(\text{n},\gamma)$, E not given; measured capture $\sigma(E)$; deduced detector efficiency.

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 , $^{197}\text{Au}(\text{n},\gamma)$, $E=\text{thermal}$; 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: 1995KA25

Reference: Acta Phys.Pol. B26, 375 (1995)

Authors: S.A.Karamian

Title: Nuclear Reactions with High-Spin Targets

Keyword abstract: NUCLEAR REACTIONS $^{178}\text{Hf}(\text{n},\gamma)$, $E=\text{thermal}$; measured residual isomer production σ , resonance integral. Target in isomeric state. $^{178}\text{Hf} (^{208}\text{Pb}, ^{208}\text{Pb}')$, $E=980$ MeV; measured γ (particle)-coin following target (in isomeric state) Coulomb excitation. ^{174}Hf , $^{180}\text{Ta}(\gamma,2\text{n})$, (γ,X) , $E \leq 25$ MeV; measured ground state, isomer yields for $^{180\text{m}}$, 172 , ^{173}Hf , 180 , $^{178\text{m}}$, ^{178}Ta , ^{177}Lu . ^{178}Hf deduced bands first level moment of inertia.

Keynumber: 1993VA02

Reference: Yad.Fiz. 56, No 2, 13 (1993); Phys.Atomic Nuclei 56, 154 (1993)

Authors: E.V.Vasileva, A.V.Voinov, V.D.Kulik, Yu.P.Popov, A.M.Sukhovoi, V.A.Khitrov, Yu.V.Kholnov, V.N.Shilin

Title: Method for Analyzing the Nonstatistical Behavior of the Radiative Strength Function in the Capture of Thermal and Resonance Neutrons

Keyword abstract: NUCLEAR REACTIONS ^{174}Yb , ^{168}Er , $^{178}\text{Hf}(n,\gamma)$, $E=\text{thermal}$, 2 keV; analyzed I_γ . ^{175}Yb , ^{169}Er deduced significant deviations from mean statistical values for radiative strength function.

Keynumber: 1991HI23

Reference: J.Radioanal.Nucl.Chem. 153, 169 (1991)

Authors: P.Z.Hien, T.K.Mai, T.X.Quang, N.V.Loc, T.N.Thuy

Title: Determination of k_0 -Factors of Short-Lived Nuclides ($T \geq 1$ Min) by Thermal Neutron Activation Technique

Keyword abstract: NUCLEAR REACTIONS ^{19}F , ^{37}Cl , ^{45}Sc , ^{76}Se , ^{103}Rh , ^{106}Pd , ^{109}Ag , ^{138}Ce , ^{164}Dy , ^{166}Er , $^{178}\text{Hf}(n,\gamma)$, $E=\text{thermal}$; measured γ -spectra. ^{20}F , $^{38\text{m}}\text{Cl}$, $^{46\text{m}}\text{Sc}$, $^{77\text{m}}\text{Se}$, ^{104}Rh , ^{107}Pd , ^{110}Ag , $^{139\text{m}}\text{Ce}$, $^{165\text{m}}\text{Dy}$, $^{167\text{m}}\text{Er}$, $^{179\text{m}}\text{Hf}$ deduced k_0 -Au factors.

Keynumber: 1991BO51

Reference: Izv.Akad.Nauk SSSR, Ser.Fiz. 55, 841 (1991); Bull.Acad.Sci.USSR, Phys.Ser. 55, No.5, 8 (1991)

Authors: S.T.Boneva, E.V.Vasileva, V.D.Kulik, H.K.Le, Yu.P.Popov, A.M.Sukhovi, D.K.Pham, V.A.Khitrov, Y.V.Kholnov

Title: Construction of Complex γ -Decay Schemes of Compound Nuclear States on the Basis of Spectroscopic Data from the Reactions $(n,2\gamma)$ and $(n\gamma)$

Keyword abstract: NUCLEAR REACTIONS ^{186}W , $^{178}\text{Hf}(n,\gamma)$, $E=\text{thermal}$; measured $\gamma\gamma$ -coin,summing amplitude. ^{179}Hf , ^{187}W deduced γ -decay scheme,multiplets.

Keynumber: 1989RI03

Reference: Nucl.Phys. A499, 221 (1989)

Authors: R.Richter, I.Forster, A.Gelberg, A.M.I.Haque, P.von Brentano, R.F.Casten, H.G.Borner, G.G.Colvin, K.Schreckenbach, G.Barreau, S.A.Kerr, H.H.Schmidt, P.Hungerford, H.J.Scheerer, T.von Egidy, R.Rascher

Title: Nuclear Structure of ^{179}Hf Studied with (n,γ) , (d,p) and (d,t) Reactions

Keyword abstract: NUCLEAR REACTIONS $^{178}\text{Hf}(n,\gamma)(n,e^-)$, $E=\text{thermal}$; measured E_γ, I_γ . $^{178}\text{Hf}(n,e^-)$, $E=\text{thermal}$; measured $I(\text{ce})$. $^{178}\text{Hf}(d,p)$, $^{180}\text{Hf}(d,t)$, $E=15,23$ MeV; measured $\sigma(\text{Ep}), \sigma(\text{Et})$. ^{179}Hf deduced levels, $J, \pi, \text{ICC}, \gamma$ -multipolarity, Nilsson assignments.

Keynumber: 1988BOZM

Reference: JINR-P3-88-106 (1988)

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

Title: The Spectroscopic Possibilities of the Method for Summation of Coincident Pulses in Neutron Radiative Capture

Keyword abstract: NUCLEAR REACTIONS $^{178}\text{Hf}(n,\gamma)$, $E=\text{thermal}$; measured $\gamma\gamma$ -coin, E_γ, I_γ . ^{179}Hf deduced levels. Amplitude summation method, Ge(Li) detectors.

Keynumber: 1988BOZI

Reference: JINR-P3-88-371 (1988)

Authors: S.T.Boneva, E.V.Vasileva, L.A.Malov, Yu.P.Popov, A.M.Sukhovi, V.A.Khitrov

Title: Intensive Two-Quantum Cascades and Quasiparticle State Fragmentation in Some Deformed Nuclei

Keyword abstract: NUCLEAR REACTIONS ^{164}Dy , ^{174}Yb , $^{178}\text{Hf}(n,\gamma)$, $E=\text{thermal}$; analyzed primary $I\gamma$ distributions. ^{165}Dy , ^{175}Yb , ^{179}Hf deduced two quantum cascade enhancement features. Analyzed single quasiparticle state strength distributions.

Keynumber: 1988BO44

Reference: Izv.Akad.Nauk SSSR, Ser.Fiz. 52, 2082 (1988); Bull.Acad.Sci.USSR, Phys.Ser. 52, No.11, 1 (1988)

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

Title: Method of Summing the Amplitudes of Coinciding Pulses in Radiative Neutron Capture

Keyword abstract: NUCLEAR REACTIONS ^{144}Nd , 163 , ^{165}Dy , ^{168}Er , ^{175}Yb , 178 , ^{179}Hf , $^{183}\text{W}(n,\gamma)$, E not given; analyzed capture- γ data. Coincident pulse amplitude summing technique.

Keynumber: 1988BO19

Reference: Z.Phys. A330, 153 (1988)

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

Title: Cascade γ -Decay of Compound-State of the Nuclei ^{163}Dy , ^{167}Er and ^{179}Hf

Keyword abstract: NUCLEAR REACTIONS ^{162}Dy , ^{166}Er , $^{178}\text{Hf}(n,\gamma)$, $E=\text{thermal}$; measured two-quanta cascade $E\gamma, I\gamma$. ^{163}Dy , ^{167}Er , ^{179}Hf deduced transition characteristics.

Keynumber: 1987RIZY

Reference: Priv.Comm. (July 1987)

Authors: R.Richter, I.Forster, A.Gelberg, A.M.I.Haque, P.von Brentano, R.F.Casten, H.G.Borner, G.G.Colvin, K.Schreckenbach, H.H.Schmidt, P.Hungerford, H.J.Scheerer, T.von Egidy, R.Rascher, G.Barreau, S.A.Kerr

Title: Nuclear Structure of ^{179}Hf Studied with (n,γ) , (d,p) , and (d,t) Reactions

Keyword abstract: NUCLEAR REACTIONS $^{178}\text{Hf}(n,\gamma)$, (n,e^-) , $E=\text{thermal}$; measured $E\gamma, I\gamma, I(\text{ce})$. ^{178}Hf (d,p) , $E=15, 23$ MeV; measured $\sigma(Ep)$. $^{180}\text{Hf}(d,t)$, $E=23$ MeV; measured $\sigma(Et)$. ^{179}Hf deduced levels, possible $J, \pi, \text{ICC}, \gamma$ -multipolarity, γ -branching, neutron binding energy, rotational band features.

Keynumber: 1987BOZK

Reference: Program and Theses, Proc.37th Ann.Conf.Nucl.Spectrosc.Struct.At.Nuclei, Yurmala, p.137 (1987)

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

Title: Investigation of ^{179}Hf Excited States with Two-Quantum Gamma-Cascades

Keyword abstract: NUCLEAR REACTIONS $^{178}\text{Hf}(n,\gamma)$, $E=\text{thermal}$; measured $E\gamma, I\gamma, \gamma\gamma$ -coin. ^{179}Hf deduced levels. Sum coincidence spectrometer.

Keynumber: 1987BOZG

Reference: JINR-P3-87-513 (1987)

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

Title: Cascade Gamma-Decay of Compound States of ^{163}Dy , ^{167}Er and ^{179}Hf Nuclei

Keyword abstract: NUCLEAR REACTIONS ^{162}Dy , ^{166}Er , $^{178}\text{Hf}(n,\gamma)$, $E=\text{thermal}$; measured $\gamma\gamma$ -coin, $I\gamma$. ^{163}Dy , ^{167}Er , ^{179}Hf deduced levels, J, π , two-quanta cascade intensities, γ -multipolarity. Amplitude summation method.

Keynumber: 1987BOZF

Reference: JINR-E3-87-536 (1987)

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

Title: On the Influence of the Final States Structure on the Intensity of Two-Quanta Cascades

Keyword abstract: NUCLEAR REACTIONS ^{174}Yb , ^{167}Er , 177 , $^{178}\text{Hf}(n,\gamma)$, E=thermal; measured $\gamma\gamma$ -coin, I γ . ^{175}Yb , ^{168}Er , 178 , ^{179}Hf deduced two-quanta cascade intensities. Amplitude summation method.

Keynumber: 1987BOZE

Reference: JINR-E3-87-538 (1987)

Authors: S.T.Boneva, V.A.Khitrov, Yu.P.Popov, A.M.Sukhovi, E.V.Vasilieva, Yu.S.Yazvitsky

Title: Spectroscopic Information from $^{178}\text{Hf}(n,2\gamma)^{179}\text{Hf}$ Reaction

Keyword abstract: NUCLEAR REACTIONS $^{178}\text{Hf}(n,\gamma)$, E=thermal; measured $\gamma\gamma$ -coin, I γ . ^{179}Hf deduced levels. Amplitude summation method.

Keynumber: 1987BO53

Reference: Izv.Akad.Nauk SSSR, Ser.Fiz. 51, 1923 (1987); Bull.Acad.Sci.USSR, Phys.Ser. 51, No.11, 43 (1987)

Authors: S.T.Boneva, E.V.Vasileva, A.M.Sukhovi

Title: Reliability of γ -Transition Scheme Determination in the Coincident Pulse Amplitude Summation Method

Keyword abstract: NUCLEAR REACTIONS ^{143}Nd , ^{163}Dy , 177 , $^{178}\text{Hf}(n,\gamma)$, E not given; measured γ sum spectra. 178 , ^{179}Hf deduced γ -transitions. Coincident pulse amplitude summation method.

Keynumber: 1985RI09

Reference: Z.Phys. A322, 43 (1985)

Authors: R.Richter, I.Forster, A.Gelberg, A.M.I.Haque, P.von Brentano, R.F.Casten, H.G.Borner, G.G.Colvin, K.Schreckenbach, P.Hungerford, H.J.Scheerer, H.H.Schmidt, T.von Egidy, R.Rascher, G.Barreau, S.A.Kerr

Title: An Unusual M1 Electromagnetic Transition Connecting Octupole and Quadrupole Vibrations in ^{179}Hf

Keyword abstract: NUCLEAR REACTIONS $^{178}\text{Hf}(n,\gamma)$, E=thermal; measured E γ , I γ . $^{178}\text{Hf}(n,e^-)$, E=thermal; measured I(ce). $^{178}\text{Hf}(d,p)$, E=15,23 MeV; $^{180}\text{Hf}(d,t)$, E=15 MeV; measured not abstracted. ^{179}Hf deduced levels, J, π , Nilsson assignments, E1 hindrance factors, T $_{1/2}$, octupole-quadrupole vibration coupling role.

Keynumber: 1983YA06

Reference: J.Nucl.Sci.Technol.(Tokyo) 20, 722 (1983)

Authors: T.Yamamoto

Title: Evaluation of Neutron Capture Gamma-Ray Spectra in Hafnium and Tantalum

Keyword abstract: NUCLEAR REACTIONS 174 , 176 , 177 , 178 , 179 , ^{180}Hf , $^{181}\text{Ta}(n,\gamma)$, E=thermal; $^{181}\text{Ta}(n,\gamma)$, E=0.25,0.5 MeV; calculated capture E γ , I γ . ^{182}Ta , 175 , 177 , 178 , 179 , 180 , ^{181}Hf deduced level density parameters. Cascade model.

Keynumber: 1982BE47

Reference: Phys.Rev. C26, 1404 (1982)

Authors: H.Beer, R.L.Macklin

Title: 178 , 179 , ^{180}Hf and $^{180}\text{Ta}(n,\gamma)$ Cross Sections and Their Contribution to Stellar Nucleosynthesis

Keyword abstract: NUCLEAR REACTIONS 178 , 179 , $^{180}\text{Hf}(n,\gamma)$, E=2.6-2000 keV; measured $\sigma(E)$; deduced ^{180}Ta s-,r-process nucleosynthesis. ^{180}Hf deduced parameters, strength functions, average level spacings, r-process abundance. 179 , ^{181}Hf deduced resonance parameters, strength functions, average level

spacings. Maxwellian averaging procedure.

Keynumber: 1976BE23

Reference: Nucl.Phys. A262, 273 (1976)

Authors: M.R.Beitins, N.D.Kramer, P.T.Prokofjev, J.J.Tamberg, L.Jacobs, G.Vandenput, J.M.van den Cruyce, P.H.M.van Assche, D.Breitig, H.A.Baader, H.R.Koch

Title: Investigation of the Low-Lying Levels of ^{179}Hf with the (n, γ) and (n,e) Reactions

Keyword abstract: NUCLEAR REACTIONS $^{178}\text{Hf}(n,\gamma),E=\text{th}$; measured $E\gamma, I\gamma, I(\text{ce}), \gamma\gamma$ -coin. ^{179}Hf deduced levels, J, π , K, ICC, transition multipolarities. Enriched targets.

Keynumber: 1975BEXW

Coden: CONF Leningrad p168

Keyword abstract: NUCLEAR REACTIONS $^{178}\text{Hf}(n,\gamma),E=\text{thermal}$; measured $E(\text{ce}), I(\text{ce})$. ^{179}Hf transitions deduced ICC, γ -multipolarity, δ , hindrance factors. β -spectrograph.

Keynumber: 1973SEYT

Coden: REPT ZFK-262,p2-23

Keyword abstract: NUCLEAR REACTIONS $^{178}\text{Hf}(n,\gamma)$; measured $\sigma(E\gamma), \gamma\gamma(t)$. ^{179}Hf deduced levels, $T_{1/2}$.

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 $^{143}, ^{145}\text{Nd}, ^{149}\text{Sm}, ^{167}\text{Er}, ^{174}\text{Yb}, ^{175}, ^{176}\text{Lu}, ^{177}, ^{178}\text{Hf}, ^{181}\text{Ta}, ^{186}\text{W}(n,\gamma), E=\text{thermal}$; measured $E\gamma, I\gamma, I(\text{ce})$. Deduced ICC. $^{151}\text{Eu}, ^{155}\text{Gd}(n,\gamma), E=\text{thermal}$; measured $E\gamma, I(\text{ce})$. Deduced ICC. $^{157}\text{Gd}, ^{162}, ^{164}\text{Dy}, ^{165}\text{Ho}, ^{168}\text{Yb}, ^{169}\text{Tm}(n,\gamma), E=\text{thermal}$; measured $I(\text{ce})$. Deduced ICC. $^{191}, ^{193}\text{Ir}(n,\gamma), E=\text{thermal}$; measured $E\gamma, I\gamma$. $^{144}\text{Nd}, ^{150}\text{Sm}, ^{156}, ^{158}\text{Gd}, ^{163}, ^{165}\text{Dy}, ^{166}\text{Ho}, ^{168}\text{Er}, ^{169}, ^{175}, ^{177}\text{Yb}, ^{170}\text{Tm}, ^{176}\text{Lu}, ^{178}\text{Hf}, ^{182}\text{Ta}$ deduced levels, J, π , γ -multipolarities. $^{146}\text{Nd}, ^{185}\text{W}, ^{194}\text{Ir}$ deduced levels, J, π . ^{152}Eu deduced transitions, γ -multipolarities. $^{187}\text{W}, ^{192}\text{Ir}$ deduced transitions.

Keynumber: 1973CA02

Reference: Phys.Rev. C7, 419 (1973)

Authors: R.F.Casten, W.R.Kane

Title: Study of High-Lying States in ^{179}Hf and $^{183}, ^{184}\text{W}$ with the (n, γ) Reaction

Keyword abstract: NUCLEAR REACTIONS $^{178}\text{Hf}, ^{182}, ^{183}\text{W}(n,\gamma), E=4.1, 7.6, 7.78, 21.2$ eV; measured $E\gamma, I\gamma$. $^{179}\text{Hf}, ^{183}, ^{184}\text{W}$ deduced levels, J, π .

Keynumber: 1973BEXQ

Coden: CONF Tbilisi,p105

Keyword abstract: NUCLEAR REACTIONS $^{178}\text{Hf}(n,\gamma), E$ not given; measured γ -spectra, $\gamma\gamma$ -coin. ^{179}Hf deduced levels, J. Ge(Li) detectors.

Keynumber: 1973BE63

Reference: Izv.Akad.Nauk SSSR, Ser.Fiz. 37, 1813 (1973); Bull.Acad.Sci.USSR, Phys.Ser. 37, No.9, 21 (1974)

Authors: M.R.Beitin, K.Prade

Title: $\gamma\gamma$ Coincidences from the $^{178}\text{Hf}(n,\gamma)^{179}\text{Hf}$ Reaction

Keyword abstract: NUCLEAR REACTIONS $^{178}\text{Hf}(n,\gamma)$; measured $E\gamma, I\gamma, \gamma\gamma$ -coin. ^{179}Hf deduced levels, J, K, π .

Keynumber: 1973ANZE

Coden: CONF Munich(Nucl Phys), Vol1 P296

Keyword abstract: NUCLEAR REACTIONS $^{162, 164}\text{Dy}(d, 2n\gamma)$, $(p, n\gamma)$, ^{175}Lu , ^{181}Ta , $^{178}\text{Hf}(n,\gamma)$, ^{155}Gd , $^{177}\text{Hf}(\alpha, 2n\gamma)$; measured $\gamma\gamma(t)$. $^{162, 164}\text{Ho}$, ^{157}Dy , ^{176}Lu , ^{179}Hf , ^{179}W , ^{182}Ta levels deduced $T_{1/2}$.

Keynumber: 1973ANYZ

Reference: Proc.Int Conf.Nuclear Physics, Munich, J.de Boer, H.J.Mang, Eds., North-Holland Publ.Co., Amsterdam, Vol.1, p.296 (1973)

Authors: W.Andrejscheff, P.Manfrass, K.D.Schilling, W.Seidel

Title: Nanosecond Isomeric States in Deformed Nuclei

Keyword abstract: NUCLEAR REACTIONS ^{176}Lu , $^{178, 179}\text{Hf}(n,\gamma)$, $^{162, 164}\text{Dy}(d, 2n\gamma)$, $(p, n\gamma)$, ^{155}Gd , $^{177}\text{Hf}(\alpha, 2n\gamma)$; measured $\gamma\gamma(t)$. $^{162, 164}\text{Ho}$, ^{176}Lu , ^{182}Ta , ^{157}Dy , ^{179}Hf , ^{179}W levels deduced $T_{1/2}$.

Keynumber: 1972VAZB

Coden: REPT SCK/CEN 1971 Annual, BLG -467, P van Assche, P3-30, CRL

Keyword abstract: NUCLEAR REACTIONS ^{150}Sm , ^{178}Hf , $^{181}\text{Ta}(n,\gamma)$; measured $E\gamma, I\gamma$. ^{151}Sm , ^{179}Hf , ^{182}Ta deduced levels, J, π .

Keynumber: 1972VAYT

Coden: REPT BLG-481 P4-27

Keyword abstract: NUCLEAR REACTIONS ^{150}Sm , ^{178}Hf , $^{181}\text{Ta}(n,\gamma)$, E=thermal; measured $E\gamma, E(ce), \gamma\gamma$ -coin. ^{151}Sm , ^{179}Hf , ^{182}Ta deduced transitions.

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 $^{74, 78}\text{Se}$, ^{84}Sr , ^{109}Ag , ^{122}Te , ^{159}Tb , ^{169}Tm , $^{174, 176}\text{Yb}$, $^{178, 179}\text{Hf}$, $^{192}\text{Os}(n,\gamma)$, E=25 keV; measured average σ .

Keynumber: 1972SCYT

Coden: CONF Teddington(Atomic Masses, Fund Constants), P123

Keyword abstract: NUCLEAR REACTIONS $^{107, 109}\text{Ag}$, ^{139}La , ^{150}Sm , $^{151, 152}\text{Eu}$, $^{155, 157}\text{Gd}$, ^{159}Tb , $^{168, 171, 174}\text{Yb}$, ^{178}Hf , $^{181, 182}\text{Ta}$, $^{197, 198}\text{Au}$, ^{199}Hg , $^{232}\text{Th}(n,\gamma)$; measured $E\gamma$. $^{108, 110}\text{Ag}$, ^{140}La , ^{151}Sm , $^{152, 153}\text{Eu}$, $^{156, 158}\text{Gd}$, ^{160}Tb , $^{169, 172, 175}\text{Yb}$, ^{179}Hg , $^{182, 183}\text{Ta}$, $^{198, 199}\text{Au}$, ^{200}Hg , ^{233}Th deduced transitions.

Keynumber: 1972MOYY

Coden: REPT ZFK-243, P93

Keyword abstract: NUCLEAR REACTIONS ^{164}Dy , 166 , 168 , ^{170}Er , 168 , ^{170}Yb , 178 , ^{180}Hf , 182 , ^{184}W (n, γ); compiled n-resonance data, (n, γ) decay modes.

Keynumber: 1972CAZY

Coden: JOUR BAPSA 17 17,R F Casten,1/13/72

Keyword abstract: NUCLEAR REACTIONS ^{178}Hf , 182 , ^{183}W (n, γ),E=resonance; measured $E\gamma$, $I\gamma$. ^{179}Hf , 183 , ^{184}W deduced levels.

Keynumber: 1972AL19

Reference: Nucl.Phys. A186, 209 (1972)

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

Title: Thermal-Neutron Capture Investigation of the N = 107 Isotones of ^{177}Yb And ^{179}Hf

Keyword abstract: NUCLEAR REACTIONS ^{176}Yb (n, γ), ^{178}Hf (n, γ),E=th; measured $E\gamma$, $I\gamma$,Q. ^{177}Yb , ^{179}Hf deduced levels,J, π . Enriched targets. Ge(Li) detector.

Keynumber: 1971VAYW

Reference: BLG-460, p.3-24 (1971)

Authors: P.Van Assche, J.M.Van Den Cruyce, G.Vandenput, L.Jacobs

Title: Neutron Capture Gamma Ray Studies

Keyword abstract: NUCLEAR REACTIONS ^{182}Ta , ^{151}Sm , ^{178}Hf (n, γ),E=unknown; measured $E\gamma$, $I\gamma$. ^{183}Ta deduced levels. ^{152}Sm , ^{179}Hf deduced unknown. Analysis in progress.

Keynumber: 1971KIZF

Coden: REPT KAPL-3944,G J Kirouac,3/23/72

Keyword abstract: NUCLEAR REACTIONS 176 , 177 , 178 , 179 , ^{180}Hf (n, γ),E=thermal; measured σ .

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: 1967MA24

Reference: Nucl.Phys. A102, 563 (1967)

Authors: P.Manfrass, A.Andreeff, R.Kastner, W.Bondarenko, N.Kramer, P.Prokofev

Title: Untersuchung von ^{179}Hf in der (n, γ) Reaktion

Keyword abstract: NUCLEAR REACTIONS ^{178}Hf (n, γ), E=thermal; measured $E\gamma$, $I\gamma$, I(ce), $\gamma\gamma$ -coin. ^{179}Hf deduced levels, J, π . Enriched target, Ge(Li) detector.