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Title: Temperature Dependence of the Westcott g-Factor for Neutron Reactions in Activation Analysis (Technical Report)
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Keynumber: 1987BA52
Reference: Nucl.Phys. A472, 445 (1987)
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Title: Levels in ^{154}Eu Populated by (n,γ) and (d,p) Reactions
Keyword abstract: NUCLEAR REACTIONS ^{153}Eu(n,γ),E=thermal; measured Eγ,Iγ,E(ce); ^{153}Eu (n,γ),E=2,3 eV,2 keV; measured Eγ,Iγ; ^{153}Eu(d,p),E=14 MeV; measured Ep,$\sigma(\theta)$. ^{154}Eu deduced levels,J,π,ICC,γ multipolarity. Nilsson configurations. Magnetic electron spectrometer,curved crystal spectrometer,Ge(Li) detectors,Q3D spectrograph,enriched targets.

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Authors: K.Tasaka, S.Iijima
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Keynumber: 1986PR03
Reference: Nucl.Phys. A455, 1 (1986)
Authors: P.T.Prokofjev, V.A.Bondarenko, T.V.Guseva, N.D.Kramer, L.I.Simonova, J.J.Tambergs, K.Schreckenbach, W.F.Davidson, J.A.Pinston, D.D.Warner, P.H.M.van Assche, A.M.J.Spits
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Keyword abstract: NUCLEAR REACTIONS ^{153}, ^{154}Eu(n,γ),E=thermal; measured E(γ),I(γ),I(ce). ^{155}Eu deduced levels,transitions,γ multipolarity,J,π,B(λ),Nilsson configurations,neutron binding energy. Ge(Li) pair spectrometer,curved crystal spectrometers,magnetic conversion electron spectrometer,enriched targets. Nilsson model,Coriolis coupling,odd rotational-vibrational model.

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Keyword abstract: NUCLEAR REACTIONS ^{153}Eu(n,γ),E=thermal; measured Eγ,Iγ,γγ(t). ^{154}Eu levels deduced $T_{1/2}$,B(λ). Enriched target,plastic scintillator,Ge detector. Nilsson-plus-pairing-model calculations.

Keynumber: 1981BAZE
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Authors: M.K.Balodis, P.T.Prokofev, N.D.Kramer, L.I.Simonova, K.Schreckenbach, A.Spits, P.Van Assche
Title:
Keyword abstract: NUCLEAR REACTIONS ^{153}Eu(n,γ),E=thermal; analyzed γ-spectra,I(ce). ^{154}Eu deduced levels,J,π,configurations.

Keynumber: 1979MIZR
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Authors: M.Mizumoto, A.Asami, Y.Nakajima, Y.Kawarasaki, T.Fuketa, H.Takekoshi
Title: Average Neutrons Capture Cross Sections of ^{151}Eu and ^{153}Eu
Keyword abstract: NUCLEAR REACTIONS $^{151, 153}$Eu(n,γ),E=3-100 keV; measured σ. Liquid scintillation detector.

Keynumber: 1979MI16
Reference: J.Nucl.Sci.Technol.(Tokyo) 16, 711 (1979)
Authors: M.Mizumoto, A.Asami, Y.Nakajima, Y.Kawarasaki, T.Fuketa, H.Takekoshi
Title: Average Neutron Capture Cross Sections of ^{151}Eu and ^{153}Eu from 3 to 100 keV
Keyword abstract: NUCLEAR REACTIONS $^{151, 153}$Eu(n,γ),E=3-100 keV; measured average σ(E). Strength function analysis.

Keynumber: 1979HEZG
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Keyword abstract: NUCLEAR REACTIONS ^{153}Eu(n,γ),E=thermal; measured γγ-coin. ^{154}Eu deduced level,$T_{1/2}$.

Keynumber: 1979BAYI

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Authors: M.K.Balodis, N.D.Kramer, P.T.Prokofev, L.I.Simonova, K.Schreckenbach, V.Davidson, K.Penston, D.Bone, P.Van Assche
Title:
Keyword abstract: NUCLEAR REACTIONS ^{153}Eu(n,γ),E=thermal; measured Eγ,Iγ. ^{154}Eu deduced levels,J,π,K,γ-multipolarity.

Keynumber: 1978PRZY
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Authors: P.T.Prokofev, M.Balodis, N.Kramer, L.Lokshina, L.Simonova, K.Schreckenbach, W.Davidson, J.Pinston, D.Warner, P.Van Assche
Title: The γ-Ray and Internal Conversion Electron Spectra of ^{154}Eu Emitted by (n,γ) Reaction
Keyword abstract: NUCLEAR REACTIONS ^{153}Eu(n,γ),E=th; measured Eγ,Iγ,I(ce). ^{154}Eu deduced levels,K,J,π,λ.

Keynumber: 1978PRZT
Coden: CONF BNL(Neutron Capt γ-Ray Spectr),Contrib,No64,Prokofjev
Keyword abstract: NUCLEAR REACTIONS ^{153}Eu(n,γ),E not given; measured Eγ,Iγ,I(ce). ^{154}Eu deduced levels,J,π,K.

Keynumber: 1978PRZK
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Authors: P.T.Prokofjev, M.K.Balodis, N.D.Kramer, L.M.Lokshina, L.I.Simonova, K.Schreckenbach, W.F.Davidson, J.A.Pinston, D.D.Warner, A.M.J.Spits, P.H.M.van Assche
Title: Low-Lying Levels in ^{154}Eu from Thermal Neutron Capture
Keyword abstract: NUCLEAR REACTIONS ^{153}Eu(n,γ),E=thermal; measured Eγ,Iγ,I(ce). ^{154}Eu deduced levels,J,π,Nilsson assignments.

Keynumber: 1978PRZJ
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Authors: P.T.Prokofev, M.K.Balodis, A.E.Kruminya, N.D.Kramer, M.N.Plate, D.I.Simonova, K.Schreckenbach, V.Davidson, Kh.Penston, D.Bone, Kh.Berner
Title: Level Scheme of Lowlying States of ^{154}Eu
Keyword abstract: NUCLEAR REACTIONS ^{153}Eu(n,γ),E=reactor; measured Eγ,Iγ,I(ce). ^{154}Eu deduced levels,J,π,γ-multipolarity,γ-branching,Nilsson assignments.

Keynumber: 1977ST14
Reference: Z.Phys. A282, 97 (1977)
Authors: W.Stoffl, D.Rabenstein, K.Schreckenbach, T.von Egidy
Title: Levels in ^{154}Eu Populated by Thermal Neutron Capture
Keyword abstract: NUCLEAR REACTIONS ^{153}Eu(n,γ),E=th; measured Eγ,Iγ,I(ce),$\gamma\gamma$-coin,γ(t). ^{154}Eu deduced levels,T$_{1/2}$,λ,hindrance factors.

Keynumber: 1977PRZT
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Keyword abstract: NUCLEAR REACTIONS ^{153}Eu(n,γ); measured γ,ce spectra. ^{154}Eu deduced levels,K,J,π.

Keynumber: 1977PRZS
Coden: CONF Tokyo (Nucl Structure),Proc,Vol1,P394,Prokofjev
Keyword abstract: NUCLEAR REACTIONS $^{154,\ 153}$Eu(n,γ); measured γ,ce spectra. ^{155}Eu deduced levels. Double neutron capture.

Keynumber: 1977KO40
Reference: Yad.Fiz. 26, 947 (1977); Sov.J.Nucl.Phys. 26, 500 (1977)
Authors: V.N.Kononov, B.D.Yurlov, E.D.Poletaev, V.M.Timokhov
Title: Fast-Neutron Capture Cross Sections for Indium, Tantalum, Gold, Samarium, and Europium
Keyword abstract: NUCLEAR REACTIONS ^{115}In, ^{181}Ta, ^{197}Au,Sm, $^{147,\ 149}$Sm,Eu, $^{151,\ 153}$Eu (n,γ),E=5-350 keV; measured σ(E).

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Keyword abstract: NUCLEAR REACTIONS ^{93}Zr, $^{95,\ 97}$Mo, ^{99}Tc, $^{101,\ 102,\ 104,\ 106}$Ru, ^{103}Rh, $^{105,\ 107}$Pd, ^{109}Ag, ^{129}I, ^{131}Xe, $^{133,\ 135,\ 137}$Cs, $^{143,\ 144,\ 145}$Nd, ^{144}Ce, ^{147}Pm, $^{147,\ 149,\ 151}$Sm, $^{153,\ 155}$Eu (n,n), (n,γ), (n,n'), (n,X),E=th-15 MeV; calculated σ.

Keynumber: 1976ZO01
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Authors: W.H.Zoller, W.B.Walters, P.W.Gallagher, R.A.Meyer
Title: Radioactive Decay of 47-min ^{154}Eu-m
Keyword abstract: RADIOACTIVITY ^{154m}Eu; measured Eγ,Iγ,γγ-coin,T$_{1/2}$. ^{154}Eu deduced levels,J,π.
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Keynumber: 1976WI06
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Authors: J.F.Widder
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Keyword abstract: NUCLEAR REACTIONS $^{151,\ 153}$Eu, $^{175,\ 176}$Lu(n,γ),E=0.01-10 eV; measured σ (E,Eγ).

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Authors: M.C.Moxon, D.A.J.Endacott, J.E.Jolly
Title: The Neutron Capture Cross-Section of ^{151}Eu and ^{153}Eu in the Energy Range 0.1 to 100 keV
Keyword abstract: NUCLEAR REACTIONS $^{151,\ 153}$Eu(n,γ),E=0.1-100 keV; measured σ(E).

Keynumber: 1975ZOYX

Coden: REPT UCRL-77097,W H Zoller

Keyword abstract: RADIOACTIVITY ^{154m}Eu; measured Eγ,Iγ,$\gamma\gamma$(t); deduced β-branching limits,J,π. ^{154}Eu deduced transitions.

Keyword abstract: NUCLEAR REACTIONS ^{153}Eu(n,γ); measured isomeric yield ratio.

Keynumber: 1975STZU

Coden: REPT PTUM-E18

Keyword abstract: NUCLEAR REACTIONS ^{153}Eu(n,γ),E=thermal; measured Eγ,Iγ,E(ce),I(ce); deduced ICC. ^{154}Eu deduced levels,J,π,λ.

Keynumber: 1975STZI

Reference: Proc.Int.Symp.Neutron Capture Gamma Ray Spectrosc.and Related Topics, 2nd, Petten, The Netherlands (1974), K.Abrahams, F.Stecher-Rasmussen, P.Van Assche, Eds., Reactor Centrum Nederland, p.572 (1975)

Authors: W.Stoffl, K.Schreckenbach, D.Rabenstein, T.von Egidy

Title: Level Scheme of ^{154}Eu

Keyword abstract: NUCLEAR REACTIONS ^{153}Eu(n,γ),E=thermal; measured I(ce),Eγ,Iγ,γ(t),$\gamma\gamma$-coin. ^{154}Eu deduced levels,T$_{1/2}$,J,π.

Keynumber: 1975HOZV

Coden: JOUR BAPSA 20 172 IB14

Keyword abstract: NUCLEAR REACTIONS ^{105}Pd, ^{103}Rh, $^{151,\ 153}$Eu(n,γ),E=20 eV-90 keV; measured σ.

Keynumber: 1975ANZV

Coden: JOUR BAPSA 20 173 IB15

Keyword abstract: NUCLEAR REACTIONS $^{151,\ 153}$Eu, ^{181}Ta(n,γ); measured σ.

Keynumber: 1974STZD

Coden: CONF Petten(Neutron Capture Gamma Ray Spectroscopy),P383

Keyword abstract: NUCLEAR REACTIONS ^{153}Eu(n,γ),E=thermal; measured Eγ,Iγ,E(ce),I(ce),$\gamma\gamma$-coin,$\gamma\gamma$(t). ^{154}Eu deduced levels,T$_{1/2}$.

Keynumber: 1974KNZR

Coden: REPT USNDC-11 P220

Keyword abstract: NUCLEAR REACTIONS ^{105}Pd, $^{151,\ 153}$Eu(n,γ); measured σ.

Keynumber: 1974KNZO

Coden: REPT COO-3058-50 P8

Keyword abstract: NUCLEAR REACTIONS ^{105}Pd, $^{151,\ 153}$Eu(n,γ),E=keV; measured σ.

Keynumber: 1973RAXW

Coden: REPT COO-2176-20 P1

Keyword abstract: NUCLEAR REACTIONS Er, $^{152,\ 154}$Sm, $^{151,\ 153}$Eu, ^{232}U,Fe,La,In,Ta,F,Mg, Al,S,Cl,K,Ca(n,γ); measured σ(E). $^{153,\ 155}$Sm, $^{152,\ 154}$Eu, ^{233}U deduced resonances.

Keynumber: 1973LAYG

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

Keynumber: 1973KNZO
Coden: REPT COO-3058-38 P2
Keyword abstract: NUCLEAR REACTIONS ^{103}Rh, ^{105}Pd, $^{151, 153}$Eu(n,γ); measured σ(E).

Keynumber: 1973KNZM
Coden: REPT COO-3058-44,P2
Keyword abstract: NUCLEAR REACTIONS ^{105}Pd, $^{151, 153}$Eu(n,γ),E=4-65 keV; measured σ.

Keynumber: 1973KNZL
Coden: REPT COO-3058-39 P17 mf
Keyword abstract: NUCLEAR REACTIONS ^{105}Pd, $^{151, 153}$Eu, ^{103}Rh(n,γ),E=20-100 eV; measured σ.

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: 1973BEYQ
Coden: REPT ANCR-1129 P6
Keyword abstract: NUCLEAR REACTIONS $^{151, 153}$Eu(n,γ),E=reactor spectrum; measured σ.

Keynumber: 1972RA26
Reference: Nucl.Sci.Eng. 48, 219 (1972)
Authors: F.Rahn, H.S.Camarda, G.Hacken, W.W.Havens,Jr., H.I.Liou, J.Rainwater, M.Slagowitz, S.Wynchank
Title: Values of the Neutron Resonance Capture Integral for Some Rare Earth Isotopes
Keyword abstract: NUCLEAR REACTIONS $^{152, 154}$Sm, ^{153}Eu, $^{154, 158, 160}$Gd, $^{166, 167, 168, 170}$Er, $^{168, 170, 171, 172, 174, 176}$Yb, ^{175}Lu, $^{182, 183, 184, 186}$W(n,γ); calculated resonance integrals.

Keynumber: 1971HAXR
Coden: REPT NCSAC-42,P61,G Hacken,5/19/72
Keyword abstract: NUCLEAR REACTIONS $^{152, 154}$Sm, $^{151, 153}$Eu, $^{154, 158, 160}$Gd, $^{166, 167, 168, 170}$Er, $^{168, 170, 171, 172, 174, 176}$Yb, ^{175}Lu, $^{182, 183, 184, 186}$W(n,γ), measured capture resonance integrals.

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: 1967SI16
Reference: J.Inorg.Nucl.Chem. 29, 2671 (1967)
Authors: G.H.E.Sims, D.G.Juhnke
Title: The Thermal Neutron Cross-Sections and Resonance Integrals of the Europium Isotopes
Keyword abstract: NUCLEAR REACTIONS ^{151}, ^{153}Eu(n,γ),E=thermal; measured σ; deduced resonance integrals.

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.