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70 reference(s) found :

Keynumber: 2000EGZZ
Reference: Program and Thesis, Proc.50th Ann.Conf.Nucl.Spectrosc.Struct.At.Nuclei, St.Petersburg, p.150 (2000)
Authors: A.I.Egorov, Yu.E.Loginov
Title: Absolute Intensities of Some γ-Transitions from the ^{35}Cl(n,γ)Reaction with Thermal Neutrons
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl(n,γ),E=thermal; measured γ spectra; deduced I_{abs}. HPGe detector,WWRM reactor.

Keynumber: 2000DE25
Reference: J.Res.Natl.Inst.Stand.Technol. 105, 11 (2000)
Authors: M.S.Dewey, E.G.Kessler, Jr.
Title: Precision Measurement of Fudamental Constants using GAMS4
Keyword abstract: NUCLEAR REACTIONS ^{1}H, ^{35}Cl(n,γ),E=reactor; measured Eγ,Iγ. ^{2}H, ^{36}Cl deduced binding energies. Crystal diffraction method.

Keynumber: 1996VE07
Reference: Bull.Rus.Acad.Sci.Phys. 60, 1793 (1996)
Authors: V.A.Vesna, I.S.Okunev, E.V.Shulgina
Title: Integral P-Even Circular Polarization in (nγ) Reactions on ^{117}Sn, ^{113}Cd, ^{139}La, (nat)Br, ^{35}Cl Nuclei and Density of Final Nuclear States as a Function of Their Angular Momenta
Keyword abstract: NUCLEAR REACTIONS ^{117}Sn, ^{113}Cd, ^{139}La,Br, ^{35}Cl(n,γ),E not given; analyzed γ P-even,P-odd integral CP. ^{118}Sn, ^{114}Cd, ^{140}La, ^{80}, ^{82}Br, ^{36}Cl; deduced level structure,density roles.

Keynumber: 1996CO16
Reference: Nucl.Instrum.Methods Phys.Res. A378, 511 (1996)
Authors: C.Coceva, A.Brusegan, C.van der Vorst
Title: Gamma Intensity Standard from Thermal Neutron Capture in ^{35}Cl
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl(n,γ),E=thermal; measured Eγ,Iγ,absolute γ emission probabilities following capture.

Keynumber: 1994YE02
Reference: Chin.Phys.Lett. 11, 12 (1994)
Authors: Z.Ye, Y.Li, S.Ding, Z.Bao, X.Yang, C.Rong, X.Ding, J.Zheng
Title: Modified Method for Efficiency Calibration of High Energy γ Detector
Keyword abstract: NUCLEAR REACTIONS ^{23}Na, ^{35}, ^{37}Cl(n,γ),E=thermal; ^{19}F(p,αγ),E not given; measured radiative capture γ spectra; deduced detector efficiency calibration. High energy Ge γ-detector,Am-Be source also studied.

Keynumber: 1994KR20
Reference: Fiz.Elem.Chastits At.Yadra 25, 1444 (1994); Sov.J.Part.Nucl 25, 612 (1994)
Authors: P.A.Krupchitsky
Title: Parity Violation in Nuclear Reactions with Polarized Neutrons
Keyword abstract: NUCLEAR REACTIONS ^{2}, ^{1}H, ^{35}Cl, ^{57}Fe, ^{79}, ^{81}Br, ^{111}, ^{113}Cd, ^{117}Sn, ^{139}La, ^{207}Pb(polarized n,γ),E=thermal,resonance; compiled,reviewed parity violation data,analyses; deduced

dominant mechanism.

Keynumber: 1994KI27
Reference: Nucl.Instrum.Methods Phys.Res. A353, 285 (1994)
Authors: T.Kishikawa, K.Nishimura, S.Noguchi
Title: Gamma-Ray Spectrometry with a Ge Detector: An importance of instrument function on a new energy calibration method
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl, ^{1}H(n,γ),E=thermal; analyzed γ-spectra analysis associated reference index; deduced methodological devation related features for peak position approach to detector energy calibration.
Keyword abstract: ATOMIC PHYSICS,Mesic-Atoms Ca,Ba,Sn,Tl,Pb,Ba,Ce(μ^-,X),E at rest; analyzed X-ray spectra analysis associated reference index; deduced methodological devation related features for peak position approach to detector energy calibration.

Keynumber: 1994DE64
Reference: Nucl.Instrum.Methods Phys.Res. B92, 321 (1994)
Authors: L.Dep, D.Elmore, J.Fabryka-Martin, J.Masarik, R.C.Reedy
Title: Production Rate Systematics of In-Situ-Produced Cosmogenic Nuclides in Terrestrial Rocks: Monte Carlo approach of investigating ^{35}Cl(n,γ)^{36}Cl
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl(n,γ),E=thermal; calculated cosmogenic neutron flux; deduced reaction rate.

Keynumber: 1992KU17
Reference: Nucl.Phys. A549, 59 (1992)
Authors: A.Kuronen, J.Keinonen, H.G.Borner, J.Jolie, S.Ulbig
Title: Molecular Dynamics Simulations Applied to the Determination of Nuclear Lifetimes from Dopler-Broadened γ-Ray Line Shapes Produced in Thermal Neutron Capture Reactions
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl, ^{48}Ti, ^{53}Cr, ^{56}Fe, ^{60}, ^{58}Ni(n,γ),E=thermal; analyzed Doppler broadened γ-ray line shapes. ^{36}Cl levels deduced $T_{1/2}$,M1,E2 transition matrix elements,branching ratio. ^{49}Ti, ^{54}Cr, ^{57}Fe, ^{61}, ^{59}Ni levels deduced $T_{1/2}$. Molecular dynamics simulations.

Keynumber: 1992IK02
Reference: Nucl.Instrum.Methods Phys.Res. A323, 697 (1992)
Authors: T.Ikuta, A.Osa, A.Taniguchi, H.Yamamoto, K.Kawade
Title: Portable Neutron-Capture γ-Ray Source above 3.5 MeV with ^{252}Cf
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl(n,γ),E=thermal; measured capture Eγ,Iγ; deduced portable ^{252}Cf neutron source characteristics.

Keynumber: 1991UL02
Reference: Phys.Lett. 259B, 29 (1991)
Authors: S.Ulbig, J.Jolie, S.J.Robinson, K.P.Lieb, H.G.Borner, P.Schillebeeckx
Title: GRID Lifetime Study of the Reaction ^{35}Cl(n,γ)^{36}Cl and the Slowing-Down Process of 0.5 keV Cl Atoms in Chlorides
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl(n,γ),E=thermal; measured Doppler broadened γ lineshapes. ^{36}Cl levels deduced $T_{1/2}$. GRID technique,Cl atom slowing down in various chlorides.

Keynumber: 1987ZA05
Reference: Yad.Fiz. 45, 1302 (1987)
Authors: D.F.Zaretsky, V.K.Sirotkin
Title: On Effects of Various Mechanisms in Violation of Space Parity in Neutron-Induced Reactions
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl, ^{81}Br, ^{93}Nb, ^{111}Cd, ^{117}, ^{124}Sn, ^{207}Pb(polarized n,γ),E=cold; calculated forward-backward asymmetries,polarization vector rotations,helicity dependent asymmetries; deduced reaction mechanism dependences. Valence,compound nucleus mechanisms.

Keynumber: **1986KR16**
Reference: Phys.Rev. C34, 2103 (1986)
Authors: B.Krusche, K.P.Lieb
Title: Dipole Transition Strengths and Level Densities A ≤ 80 Odd-Odd Nuclei Obtained from Thermal Neutron Capture
Keyword abstract: NUCLEAR REACTIONS ^{19}F, ^{23}Na, ^{27}Al, ^{31}P, ^{35}Cl, ^{39}, ^{41}K, ^{45}Sc, ^{55}Mn, ^{59}Co, ^{63}, ^{65}Cu, ^{71}Ga, ^{75}As, ^{79}Br(n,γ),E=thermal; analyzed data. ^{20}F, ^{24}Na, ^{28}Al, ^{32}P, ^{36}Cl, ^{40}, ^{42}K, ^{46}Sc, ^{56}Mn, ^{60}Co, ^{64}, ^{66}Cu, ^{72}Ga, ^{76}As, ^{80}Br deduced primary E1,M1 transition strengths,level density parameters. Bethe,constant temperature Fermi gas models.

Keynumber: 1985ZE07
Reference: Chin.J.Nucl.Phys. 7, 273 (1985)
Authors: Zeng Xiantang, Shi Zongren Guo, Taichang Li Guohua
Title: Three Crystal Pair Spectrometer
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl, ^{24}Mg, ^{23}Na(n,γ),E not given; measured Eγ,Iγ,γγ-coin; deduced double escape peak to background improvement factor. Three crystal pair spectrometer.

Keynumber: 1985VOZV
Reference: Proc.AIP Conf.Capture Gamma-Ray Spectroscopy and Related Topics, Knoxville, Tenn., (1984), S.Raman, Ed., AIP, New York, p.305 (1985)
Authors: T.von Egidy, P.Hungerford, H.H.Schmidt, H.J.Scheerer, A.N.Behkami, G.Hlawatsch, B.Krusche, K.P.Lieb, H.G.Borner, S.A.Kerr, K.Schreckenbach
Title: Structural and Statistical Aspects of Extensive Level Schemes from (n,γ) and Transfer Reactions
Keyword abstract: NUCLEAR REACTIONS ^{19}F, ^{23}Na, ^{27}Al, ^{35}Cl, ^{39}, ^{40}, ^{41}K, ^{113}Cd, ^{133}Cs, ^{154}Sm, ^{153}Eu, ^{154}Gd, ^{160}, ^{162}Dy(n,γ), (n,e),E not given; measured not given. ^{20}F, ^{24}Na, ^{28}Al, ^{36}Cl, ^{40}, ^{41}, ^{42}K, ^{114}Cd, ^{134}Cs, ^{155}Sm, ^{154}Eu, ^{155}Gd, ^{161}, ^{163}Dy deduced levels,γ-transition multipolarity,strength distribution.

Keynumber: **1985KE04**
Reference: Phys.Rev. C32, 374 (1985)
Authors: E.G.Kessler,Jr., G.L.Greene, R.D.Deslattes, H.G.Borner
Title: Gamma-Ray Energies from the Reaction ^{35}Cl(n,γ)
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl(n,γ),E=reactor; measured Eγ; deduced transition energy standards. ^{36}Cl deduced transition energies. Two-axis flat crystal spectrometer.

Keynumber: 1985FL03
Reference: Nucl.Phys. A435, 352 (1985)
Authors: V.V.Flambaum, O.P.Sushkov
Title: Angular and Polarization Correlations in the (n,γ) Reaction
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl, ^{81}Br, ^{113}Cd, ^{117}Sn, ^{139}La(polarized n,γ),E ≈

resonance; calculated odd-,even-parity correlation parameters.

Keynumber: 1985AV01
Reference: Nucl.Phys. A436, 83 (1985)
Authors: M.Avenier, G.Bagieu, H.Benkoula, J.F.Cavaignac, A.Idrissi, D.H.Koang, B.Vignon, R.Wilson
Title: Parity Non-Conservation in the Radiative Capture of Polarized Neutrons by ^{35}Cl
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl(polarized n,γ),E=cold; measured capture γ-asymmetry; deduced γ-polarization,parity nonconservation evidence. ^{36}Cl deduced 2^+,2^- level mixing matrix element.

Keynumber: 1984POZW
Reference: Proc.Conf.Neutron Physics, Kiev, Vol.4, p.341 (1984)
Authors: Yu.P.Popov, A.M.Sukhovoy, V.A.Khitrov, Yu.S.Yazvitsky
Title:
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl(n,γ),E=thermal; measured γγ-coin,Eγ. ^{36}Cl deduced transitions. Ge(Li) detectors,amplitude summation method.

Keynumber: 1984MA25
Reference: Phys.Rev. C29, 1996 (1984)
Authors: R.L.Macklin
Title: Resonance Neutron Capture by ^{35}, ^{37}Cl
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl(n,γ),E=4-225 keV; ^{37}Cl(n,γ),E=8-151 keV; measured σ(E),yields vs E; deduced stellar environment capture σ. ^{36}, ^{38}Cl deduced resonances,J,π, (gΓnΓγ/Γ),Γγ,Γn. Breit-Wigner fitting procedure.

Keynumber: 1984AV04
Reference: J.Phys.(Paris), Colloq.C3, 99 (1984)
Authors: M.Avenier, G.Bagieu, J.F.Cavaignac, D.H.Koang, A.Idrissi, B.Vignon, R.Wilson
Title: Study of the Neutron-Proton Weak Interaction at the ILL Reactor
Keyword abstract: NUCLEAR REACTIONS ^{1}H, ^{117}Sn, ^{35}Cl(polarized n,γ),E=low; measured γ-asymmetry.

Keynumber: 1983SA30
Reference: Aust.J.Phys. 36, 583 (1983)
Authors: D.G.Sargood
Title: Effect of Excited States on Thermonuclear Reaction Rates
Keyword abstract: NUCLEAR REACTIONS,ICPND ^{20}, ^{21}, ^{22}Ne, ^{23}Na, ^{24}, ^{25}, ^{26}Mg, ^{27}Al, ^{28}, ^{29}, ^{30}Si, ^{31}P, ^{32}, ^{33}, ^{34}, ^{36}S, ^{35}, ^{37}Cl, ^{36}, ^{38}, ^{40}Ar, ^{39}, ^{40}, ^{41}K, ^{40}, ^{42}, ^{43}, ^{44}, ^{46}, ^{48}Ca, ^{45}Sc, ^{46}, ^{47}, ^{48}, ^{49}, ^{50}Ti, ^{50}, ^{51}V, ^{50}, ^{52}, ^{53}, ^{54}Cr, ^{55}Mn, ^{54}, ^{56}, ^{57}, ^{58}Fe, ^{59}Co, ^{58}, ^{60}, ^{61}, ^{62}, ^{64}Ni, ^{63}, ^{65}Cu, ^{64}, ^{66}, ^{67}Zn(n,γ), (n,p), (n,α), (p,γ), (p,n), (p,α), (α,γ), (α,n), (α,p), ^{70}Zn(p,γ), (p,n), (p,α), (α,γ), (α,n), (α,p),E=low; compiled target thermal distribution energy state to ground state thermonuclear reaction rate of reaction σ vs temperature. Statistical model.

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: 1982KR12
Reference: Nucl.Phys. A386, 245 (1982)
Authors: B.Krusche, K.P.Lieb, H.Daniel, T.von Egidy, G.Bareau, H.G.Borner, R.Brissot, C.Hofmeyer, R.Rascher
Title: Gamma Ray Energies and ^{36}Cl Level Scheme from the Reaction ^{35}Cl(n,γ)
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl(n,γ),E=thermal; measured Eγ,Iγ. ^{36}Cl deduced levels,neutron binding energy. Crystal,pair spectrometers.

Keynumber: 1981KE02
Reference: Can.J.Phys. 59, 93 (1981)
Authors: T.J.Kennett, M.A.Islam, W.V.Prestwich
Title: An Investigation of the ^{35}Cl(n,γ)^{36}Cl Reaction
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl(n,γ),E=thermal; measured Eγ,Iγ; deduced Q. ^{36}Cl deduced levels,γ-branching.

Keynumber: 1980PIZN
Coden: CONF Kiev(Neutron Physics) Proc,Part3,P270,Pisanko
Keyword abstract: NUCLEAR REACTIONS ^{22}, ^{23}Na,Mg, ^{24}, ^{25}, ^{26}Mg, ^{27}Al,Si, ^{28}, ^{29}, ^{30}Si, ^{31}P,S, ^{32}, ^{33}, ^{34}S,Cl, ^{35}, ^{36}, ^{37}Cl,Ar, ^{36}, ^{38}, ^{40}Ar,K, ^{39}, ^{40}, ^{41}K,Ca, ^{40}, ^{42}, ^{43}, ^{44}, ^{46}, ^{48}Ca, ^{45}, ^{46}Sc,Ti, ^{46}, ^{47}, ^{48}, ^{49}, ^{50}Ti,V, ^{50}, ^{51}V,Cr, ^{50}, ^{52}, ^{53}, ^{54}Cr,Fe, ^{54}, ^{56}, ^{57}, ^{58}Fe, ^{59}Co,Ni, ^{58}, ^{59}, ^{60}, ^{61}, ^{62}, ^{64}Ni,Cu, ^{63}, ^{65}Cu,Zn, ^{64}, ^{66}, ^{67}, ^{68}, ^{70}Zn,Ga, ^{69}, ^{71}Ga(n,γ), (n,n), (n,α),E=thermal; evaluated σ,radiative capture resonance integrals.

Keynumber: 1980IS02
Reference: Can.J.Phys. 58, 168 (1980)
Authors: M.A.Islam, T.J.Kennett, S.A.Kerr, W.V.Prestwich
Title: A Self-Consistent Set of Neutron Separation Energies
Keyword abstract: NUCLEAR REACTIONS ^{1}H, ^{9}Be, ^{14}N, ^{24}, ^{25}Mg, ^{27}Al, ^{28}, ^{29}Si, ^{32}S, ^{35}Cl, ^{40}, ^{44}Ca, ^{47}, ^{48}, ^{49}Ti, ^{50}, ^{52}, ^{53}Cr, ^{55}Mn, ^{54}, ^{56}, ^{57}Fe(n,γ),E=thermal; measured Eγ,Iγ. ^{2}H, ^{10}Be, ^{25}, ^{26}Mg, ^{28}Al, ^{29}, ^{30}Si, ^{33}S, ^{36}Cl, ^{41}, ^{45}Ca, ^{48}, ^{49}, ^{50}Ti, ^{51}, ^{53}, ^{54}Cr, ^{56}Mn, ^{55}, ^{57}, ^{58}Fe deduced Q,neutron binding energy.

Keynumber: 1979MC01
Reference: Phys.Rev. C19, 539 (1979)
Authors: C.M.McCullagh, M.J.Kenny, R.E.Chrien
Title: Spin of the 398 eV Resonance in ^{35}Cl
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl(n,γ),E=slow; measured nγ(θ),oriented nuclei. ^{36}Cl resonances deduced J,π.

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: 1978PEZZ
Coden: CONF Brookhaven(Neutron Capt γ-Ray Spectr),Proc,P714,Peker
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl, ^{56}Fe(n,γ),E=thermal,resonance; analyzed data. ^{36}Cl, ^{57}Fe resonances deduced M1 strengths,doorway characteristics.

Keynumber: 1978PEZI
Coden: CONF BNL(Neutron Capt γ-Ray Spectr),Contrib,No60,Peker
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl, ^{56}Fe(n,γ); analyzed data on M1,E1 transitions. ^{36}Cl, ^{57}Fe levels deduced L,J,π. Evidence for doorway mechanism.

Keynumber: 1977MCZM
Coden: JOUR BAPSA 22 995 AC13,McCullagh
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl(n,γ),E=398 eV; measured γγ(θ). ^{36}Cl resonance deduced J,π.

Keynumber: 1977CL03
Reference: Phys.Lett. 71B, 10 (1977)
Authors: C.F.Clement, A.M.Lane, J.Kopecky
Title: Correlations in M1 Neutron Capture as Evidence for a Semi-Direct Mechanism
Keyword abstract: NUCLEAR REACTIONS ^{19}F, ^{23}Na, ^{25}Mg, ^{27}Al, ^{29}Si, ^{31}P, ^{35}, ^{37}Cl, ^{39}K, ^{43}Ca (n,γ), (d,p); analyzed correlations between reaction types.

Keynumber: 1977CHZU
Coden: PC R E Chrien,1/28/77
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl(n,γ),E=398 eV; measured Eγ,Iγ. ^{36}Cl deduced transitions.

Keynumber: 1977CH20
Reference: Phys.Rev.Lett. 39, 911 (1977)
Authors: R.E.Chrien, J.Kopecky
Title: Implications for Radiative-Strength Functions from Neutron Capture in ^{35}Cl
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl(n,γ),E ≈ 0.025,400 eV; measured Eγ,Iγ. ^{36}Cl deduced transitions.

Keynumber: 1976SP06
Reference: Nucl.Phys. A264, 63 (1976)
Authors: A.M.J.Spits, J.Kopecky
Title: The Reaction ^{35}Cl(n,γ)^{36}Cl Studied with Non-Polarized and Polarized Thermal Neutrons
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl(polarized n,γ), ^{35}Cl(n,γ),E=thermal; measured Eγ,Iγ,γ-CP; deduced Q,polarization function R. ^{36}Cl levels deduced γ-branching,J,π,δ. Natural targets.

Keynumber: 1975KOZI
Coden: JOUR BAPSA 20 1195 EE3
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl(n,γ),E=epithermal; measured Iγ.

Keynumber: 1974SI25
Reference: Phys.Rev. C10, 2138 (1974)
Authors: U.N.Singh, H.I.Liou, G.Hacken, M.Slagowitz, F.Rahn, J.Rainwater, W.Makofske, J.B.Garg
Title: Neutron Resonance Spectroscopy: Chlorine
Keyword abstract: NUCLEAR REACTIONS ^{35}, ^{37}Cl(n,n), (n,γ),E=20 eV-400 keV; measured total σ (E). ^{36}, ^{38}Cl deduced resonances,J,L,S,n-width.

Keynumber: 1974ISZX
Coden: THESIS DABBB 34B 5613
Keyword abstract: NUCLEAR REACTIONS ^{19}F, ^{23}Na, ^{27}Al, ^{31}P, ^{35}Cl, ^{39}K(n,γ),E=thermal; measured Eγ,Iγ. ^{20}F, ^{24}Na, ^{28}Al, ^{32}P, ^{36}Cl, ^{40}K deduced levels,Q,γ-multiplicity,level-width.

Keynumber: 1973SIYA
Coden: REPT COO-2176-20 P2
Keyword abstract: NUCLEAR REACTIONS ^{35}, ^{37}Cl(n,γ); analyzed data. ^{36}, ^{38}Cl deduced resonances.

Keynumber: 1973KRYX
Coden: REPT RCN-203 P20
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl, ^{113}Cd(polarized n,γ); measured Iγ(θ).

Keynumber: 1973BUZZ
Coden: CONF Tbilisi,p343
Keyword abstract: RADIOACTIVITY ^{22}Na; measured γγ-anticoin,Iγ; deduced I(EC)/Iβ^+. Anticoin Ge (Li)-NaI(Tl) spectrometer.
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl(polarized n,γ),E=thermal; measured γγ(θ). ^{36}Cl 7.79 MeV M1+E2 transition deduced reduced matrix elements phase difference.

Keynumber: 1973BU29
Reference: Yad.Fiz. 18, 12 (1973); Sov.J.Nucl.Phys. 18, 6 (1974)
Authors: M.I.Bulgakov, A.D.Gulko, G.V.Danilyan, I.L.Karpikhin, P.A.Krupchitskii, V.V.Novitskii, Y.A.Oratovskii, V.S.Pavlov, E.I.Tarkovskii, S.S.Trostin
Title: T-Invariance in Nuclear Electromagnetic Transitions
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl(polarized n,γ),E=slow; measured γγ(θ); deduced non-time reversal invariance.

Keynumber: 1972LO26
Reference: Nucl.Instrum.Methods 105, 453 (1972)
Authors: G.D.Loper, G.E.Thomas
Title: Gamma-Ray Intensity Standards: the Reactions ^{14}N(n,γ)^{15}N, ^{35}Cl(n,γ)^{36}Cl and ^{53}Cr(n,γ)^{54}Cr
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl, ^{50}, ^{52}, ^{53}Cr, ^{14}N, ^{207}Pb(n,γ);E=thermal; ^{36}Cl, ^{51}, ^{53}, ^{54}Cr measured Eγ,Iγ.

Keynumber: 1972LAYL
Coden: REPT NP-19337,P1
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl(n,γ); ^{36}Cl deduced levels.

Keynumber: 1972JAZL

Coden: REPT INDC(SEC)-28/L,P134,12/1/72,NDP
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl(n,γ),E= thermal; measured Eγ,Iγ; deduced Q. ^{36}Cl deduced transitions.

Keynumber: 1972IS14
Reference: Can.J.Phys. 50, 3090 (1972)
Authors: A.F.M.Ishaq, T.J.Kennett
Title: A Study of Thermal Neutron Capture in Chlorine
Keyword abstract: NUCLEAR REACTIONS ^{35}, ^{37}Cl(n,γ),E=thermal; measured Eγ,Iγ; deduced Q. ^{36}, ^{38}Cl deduced levels,γ-branching. Ge(Li) pair spectrometer.

Keynumber: 1972HOYJ
Coden: REPT UJV-2772-F,J Honzatko,1/3/73
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl(n,γ),E=thermal; measured γ-linear polarization. ^{36}Cl levels deduced J,γ-mixing.

Keynumber: 1972BU39
Reference: Phys.Lett. 42B, 351 (1972)
Authors: M.I.Bulgakov, G.V.Danilyan, A.D.Gulko, I.L.Karpikhin, P.A.Krupchitsky, V.V.Novitsky, Y.A.Oratovsky, V.S.Pavlov, E.I.Tarkovsky, S.S.Trostin
Title: Time Reversal Invariance in Slow Neutron Capture
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl(n,γ),E=thermal; measured γγ(θ). ^{36}Cl transition deduced t-invariance.

Keynumber: 1971HO30
Reference: Nucl.Phys. A174, 668 (1971)
Authors: J.Honzatko, J.Kajfosz, Z.Kosina
Title: Measurement of the Linear Polarization of Low-Energy Capture γ-Rays from the ^{35}Cl(n,γ) Reaction
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl(n,γ),E=thermal; measured γ-linear polarization; ^{36}Cl levels deduced J,γ-mixing. Natural target.

Keynumber: 1971FU06
Reference: Nuovo Cim. 2A, 109 (1971)
Authors: A.Fubini, M.Popa, D.Prosperi, F.Terrasi
Title: Investigation of the Reaction ^{35}Cl(n,γ)^{36}Cl
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl(n,γ),E=thermal; measured Eγ,Iγ,γγ-coin; deduced Q. ^{36}Cl deduced levels,γ-branching.

Keynumber: 1971BIZV
Coden: REPT ORNL-TM-3379, J R Bird,9/14/71
Keyword abstract: NUCLEAR REACTIONS F,Na,Mg,Al,S, ^{35}Cl,K,Ca, ^{40}, ^{42}, ^{44}Ca,Ti,V,Fe, ^{54}, ^{56}Fe,Ni, ^{58}, ^{60}Ni, ^{63}Cu,Zn(n,γ),E=10-100 keV; measured Eγ,Iγ. 9 inx 12 in NaI detector.

Keynumber: 1970HU03
Reference: Can.J.Phys. 48, 1130 (1970)
Authors: L.B.Hughes, T.J.Kennett
Title: Study of the Reaction ^{35}Cl(n,γ)^{36}Cl

Keyword abstract: NUCLEAR REACTIONS ^{35}Cl(n,γ), E=thermal measured Eγ, Iγ, γγ-coin; deduced Q. ^{36}Cl deduced transitions, level-width, γ-multipolarity.

Keynumber: 1970HO35
Reference: Czech.J.Phys. 20B, 1059 (1970)
Authors: J.Honzatko, J.Kajfosz, K.Konecny

Title: Branching Ratios and Intensities of Some Transitions in ^{35}Cl(n,γ)^{36}Cl Reaction

Keyword abstract: NUCLEAR REACTIONS ^{35}Cl(n,γ),E not given; measured Eγ,Iγ. ^{36}Cl deduced γ-branching. Ge(Li) detector.

Keynumber: 1970FUZX
Coden: REPT RT/FI(70)47

Keyword abstract: NUCLEAR REACTIONS ^{35}Cl(n,γ),E=thermal; measured Eγ,Iγ. ^{36}Cl deduced levels,L(n),J,π.

Keynumber: 1970EI03
Reference: Z.Phys. 233, 154 (1970)
Authors: J.Eichler, F.Djadali

Title: Beitrag zur Kernspektroskopie an ^{36}Cl, ^{90}Y und ^{40}K durch Messung der Polarisation von γ-Strahlung nach Neutroneneinfang

Keyword abstract: NUCLEAR REACTIONS ^{35}Cl, ^{39}K, ^{89}Y(polarized n,γ), E=thermal; measured γ-circular polarization. ^{36}Cl level deduced γ-mixing. ^{40}K, ^{90}Y levels deduced J, π.

Keynumber: 1969SI19
Reference: J.Inorg.Nucl.Chem. 31, 3721 (1969)
Authors: G.H.E.Sims, D.G.Juhnke

Title: The Thermal Neutron Capture Cross Section and Resonance Capture Integral of ^{35}Cl for (n,γ) and (n,p) Reactions

Keyword abstract: NUCLEAR REACTIONS ^{35}Cl(n,γ), (n,p), E = reactor spectrum; measured σ; deduced resonance integrals.

Keynumber: 1969KO05
Reference: Nucl.Phys. A127, 385 (1969)
Authors: J.Kopecky, E.Warming

Title: Circular Polarization Measurements with a Ge(Li) Detector

Keyword abstract: NUCLEAR REACTIONS ^{32}S, ^{35}Cl, ^{48}Ti, ^{55}Mn, ^{56}Fe, ^{59}Co, ^{63}Cu(polarized n,γ), E = thermal; measured γ circular polarization. ^{33}S, ^{36}Cl, ^{49}Ti, ^{56}Mn, ^{57}Fe, ^{60}Co, ^{64}Cu levels deduced J, γ-mixing. Natural targets.

Keynumber: 1969KE15
Reference: Yadern.Fiz. 10, 907 (1969); Soviet J.Nucl.Phys. 10, 524 (1970)
Authors: J.Kecskemeti, D.Kiss

Title: Measurement of Average Multiplicity in (n,γ) Reactions Induced by Thermal Neutrons

Keyword abstract: NUCLEAR REACTIONS ^{23}Na, ^{27}Al, ^{31}P, ^{32}S, ^{35}Cl, ^{48}Ti, ^{51}V, ^{53}Cr, ^{52}Cr, ^{55}Mn, ^{56}Fe, ^{59}Co, ^{60}Ni,Ni,Cu, ^{63}Cu, Ge, ^{73}Ge, ^{75}As,Se,Br, Sr, Zr, ^{93}Nb,Mo, ^{103}Rh,Ag(n,γ) E=thermal; measured average γ multiplicity.

Keynumber: 1969JAZW

Reference: Proc.Arab Science Congress, 6th, Damascus, p.441 (1969)
Authors: J.D.Jafar, A.A.Abdulla, N.H.Al-Quraishi, M.S.Alwash, J.Kajfosz, M.A.Khalil, M.H.Al-Kaissy, Z.Kosina
Title: Measurement of the Reaction ^{35}Cl(n,γ)^{36}Cl Using a Three-Crystal Pair and Anti-Comption Spectrometer
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl(n,γ),E=thermal; measured Eγ,Iγ; deduced Q. ^{36}Cl deduced transitions.

Keynumber: 1969HOZY
Reference: Thesis, Technische Hogeschool, Delft (1969)
Authors: W.Hoekstra
Title: Gamma Rays from ^{28}Al, ^{186}, ^{188}Re, ^{233}Th and ^{233}Pa, Following Neutron Capture
Keyword abstract: RADIOACTIVITY ^{237}Np; measured Eα, Eγ, Iγ, I(ce),αγ-,αce-coin. ^{233}Pa deduced levels.
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl, ^{27}Al, ^{185}, ^{187}Re, ^{232}Th(n,γ), E = thermal; measured Eγ, Iγ; ^{185}, ^{187}Re(n,γ) deduced Q. ^{36}Cl, ^{28}Al, ^{186}, ^{188}Re, ^{233}Th, deduced levels. ^{233}Th [from ^{232}Th(n,γ)]; measured $T_{1/2}$, Eγ,Iγ, γγ-coin. ^{233}Pa deduced levels. Ge(Li) detector.

Keynumber: 1969DE27
Reference: Phys.Letters 30B, 639 (1969)
Authors: P.De Wit, C.van der Leun
Title: The ^{26}Al-m Problem
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl, ^{25}Mg(n,γ), E = thermal; measured Eγ. ^{25}Mg(p,γ), E = 435 keV; measured Eγ. ^{26m}Al deduced Eβ, ft, vector coupling constant.

Keynumber: 1969AL11
Reference: Nucl.Phys. A135, 241 (1969)
Authors: R.N.Alves, J.M.Kuchly, J.Julien, C.Samour, J.Morgenstern
Title: Capture Radiative Partielle des Neutrons de Resonance dans le Chlore, le Manganese, le Fer, le Cuivre, le Thulium et le Mercure
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl(n,γ), E <500 eV; ^{55}Mn(n,γ), E <2500 eV; Fe(n,γ), E<1600 eV; Cu(n,γ), E<700 eV; ^{169}Tm(n,γ), E <160 eV; Hg(n,γ),E <300 eV; measured Eγ, Iγ. ^{36}Cl, ^{56}Mn, ^{64}, ^{66}Cu, ^{197}, ^{200}, ^{202}Hg deduced levels, J. Ge(Li) detector, natural target.

Keynumber: 1968EI01
Reference: Nucl.Phys. A120, 535 (1968); Erratum Nucl.Phys. A127, 693(1969)
Authors: J.Eichler
Title: An Experimental Study of Time-Reversal Invariance in Nuclear Gamma Decay
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl(n,γ),E=thermal, polarized neutrons; measured γγ coin. ^{36}Cl deduced amplitude of time-reversal non-invariance for γ-decay. Natural target.

Keynumber: 1968AL24
Reference: Nucl.Instr.Methods 58, 77 (1968)
Authors: V.L.Alexeyev, V.A.Shaburov, D.M.Kaminker, O.I.Sumbaev, A.I.Smirnov
Title: A Double Crystal Diffraction Spectrometer for Studies of High Energy Gamma-Rays Resulting from Thermal Neutron Capture
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl(n,γ),E=thermal; measured Eγ. ^{36}Cl deduced

transitions. Double crystal diffraction spectrometer.

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: 1967KOZY
Coden: REPT RISO 157,J Kopecky,4/17/72
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl(n,γ),E=thermal; measured γ-CP. ^{36}Cl levels deduced J,π.

Keynumber: 1967BE36
Reference: Phys.Rev. 158, 1049(1967)
Authors: I.Bergqvist, J.A.Biggerstaff, J.H.Gibbons, W.M.Good
Title: Gamma Rays from keV Resonance Neutron Capture in Some (2s-1d)-Shell Nuclei
Keyword abstract: NUCLEAR REACTIONS ^{19}F, ^{23}Na, ^{24}Mg, ^{27}Al, ^{32}S, ^{35}Cl(n,γ),E=20-120 keV; measured Eγ,Iγ. ^{20}F, ^{24}Na, ^{25}Mg, ^{28}Al, ^{33}S, ^{36}Cl deduced resonances,level-width,J,π.

Keynumber: 1966VA05
Reference: Nucl.Phys. 77, 267(1966)
Authors: G.Van Middelkoop, P.Spilling
Title: Gamma-Gamma Angular Correlation Measurements in the ^{35}Cl(n,γ)^{36}Cl Reaction
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl(n,γ), E=thermal; measured γγ-angular correlations. ^{36}Cl levels deduced J. Natural target.

Keynumber: 1966HU08
Reference: Nucl.Phys. 80, 131 (1966)
Authors: L.B.Hughes, T.J.Kennett, W.V.Prestwich
Title: A Study of the ^{55}Mn(n,γ)^{56}Mn Reaction
Keyword abstract: NUCLEAR REACTIONS ^{35}Cl(n,γ), E = thermal; measured Eγ; deduced Q. ^{55}Mn (n,γ), E = thermal; measured Eγ, Iγ, γγ-coin; deduced Q. ^{56}Mn deduced levels. Natural targets.
