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49 reference(s) found :

Keynumber: 1999ZHZM
Reference: INDC(CPR)-049/L, p.76 (1999)
Authors: C.Zhou
Title: Prompt γ-Ray Data Evaluation of Thermal-Neutron Capture for A = 1 ϑ 25
Keyword abstract: NUCLEAR REACTIONS ^{1}, ^{2}H, ^{6}, ^{7}Li, ^{9}Be, ^{12}, ^{13}C, ^{14}N, ^{16}, ^{17}O, ^{19}F, ^{20}, ^{21}, ^{22}Ne, ^{23}Na, ^{24}, ^{25}Mg(n,γ),E=thermal; compiled, evaluated prompt γ-ray data.

Keynumber: 1998PA44
Reference: J.Radioanal.Nucl.Chem. 238, 193 (1998)
Authors: S.-T.Park, M.Igashira, D.-W.Lee
Title: Primary Gamma-Rays from 53 keV Neutron Capture Reaction in ^{23}Na
Keyword abstract: NUCLEAR REACTIONS ^{23}Na(n,γ),E=53 keV; measured Eγ,Iγ. ^{24}Na deduced levels,brancing ratios.

Keynumber: 1997ROZZ
Reference: INDC(CPR)-042/L, p.93 (1997)
Authors: J.Rong, G.Lui
Title: The Integral Test of the Reactor Dosimetry Data
Keyword abstract: NUCLEAR REACTIONS ^{27}Al, ^{46}, ^{47}, ^{48}Ti, ^{54}, ^{56}Fe, ^{58}, ^{60}Ni, ^{32}S(n,p), ^{27}Al, ^{59}Co, ^{63}Cu(n,α), ^{55}Mn, ^{59}Co, ^{58}Ni, ^{65}Cu(n,2n), ^{23}Na, ^{45}Sc, ^{59}Co, ^{58}Fe, ^{63}Cu, ^{115}In, ^{197}Au, ^{232}Th, ^{238}U(n,γ), ^{235}, ^{238}U, ^{232}Th, ^{237}Np, ^{239}Pu(n,F), ^{47}, ^{48}Ti(n,np), ^{6}Li, ^{10}B, ^{115}In(n,X),E=reactor; calculated spectrum averaged σ. Several data libraries compared.

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: 1994RZ02
Reference: Nucl.Instrum.Methods Phys.Res. B93, 464 (1994)
Authors: A.Rzama, H.Erramli, M.A.Misdaq
Title: A New Calculation Method Adapted to the Experimental Conditions for Determining Samples γ-Activities Induced by 14 MeV Neutrons
Keyword abstract: NUCLEAR REACTIONS ^{23}Na,K,Cl,P(n,γ),E=14 MeV; measured induced γ activities; deduced activation parameters role. Monte Carlo approach,application to Na,K,Cl,P content determination.

Keynumber: 1988TS02
Reference: Ann.Nucl.Energy 15, 17 (1988)
Authors: N.F.Tsagas, I.Kappos, G.Andreou
Title: Benchmark Data for γ-Rays Emitted by a ^{24}Na Source,Penetrating Graphite,Al,Steel and Pb

Shields

Keyword abstract: NUCLEAR REACTIONS ^{23}Na(n,γ),E=reactor; measured angular,scalar flux γ-spectra. Benchmark data.

Keynumber: 1987ZH12
Reference: Chin.J.Nucl.Phys. 9, 307 (1987)
Authors: Zhang Ming, Shi Zongren, Zeng Xiantang, Li Guohua, Ding Dazhao
Title: Study of Thermal Neutron Capture in ^{23}Na
Keyword abstract: NUCLEAR REACTIONS ^{23}Na(n,γ),E=thermal; measured Eγ,Iγ,σ. ^{24}Na deduced levels,level density parameters,neutron binding energy. Ge(Li) detector. Back-shift Fermi gas model.

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: 1985KO48
Reference: Nucl.Instrum.Methods Phys.Res. B10/11, 1058 (1985)
Authors: K.Koh, R.Finn, P.Smith, E.Tavano, J.Dwyer, H.Sheh
Title: Activation Analysis Utilizing Byproduct Neutrons of Cyclotron Internal Target Runs
Keyword abstract: NUCLEAR REACTIONS ^{58}Ni(n,2n), ^{27}Al(n,α), ^{56}Fe, ^{65}Cu, ^{24}Mg, ^{58}Ni(n,p), ^{23}Na, ^{55}Mn, ^{64}Ni, ^{71}Ga, ^{81}Br, ^{109}Ag, ^{115}In, ^{197}Au(n,γ),E=thermal-14.4 MeV; measured thermal,absorption σ,reaction rates. Neutron activation analysis.

Keynumber: 1984TI01

Reference: Nucl.Phys. A425, 303 (1984)
Authors: T.A.A.Tielens, J.B.M.De Haas
Title: The Brute-Force Polarization of ^{23}Na and the ^{23}Na(pol)(n(pol),γ)^{24}Na Reaction
Keyword abstract: NUCLEAR REACTIONS ^{23}Na(polarized n,γ),E=thermal; measured Iγ(Eγ,θ). ^{24}Na deduced levels,J,$T_{1/2}$,μ,branching ratios,channel spin admixture. Natural polarized target.

Keynumber: 1983TI02
Reference: Nucl.Phys. A403, 13 (1983)
Authors: T.A.A.Tielens, J.Kopecky, K.Abrahams, P.M.Endt
Title: The Reaction ^{23}Na(n,γ)^{24}Na Studied with Unpolarized and Polarized Thermal Neutrons
Keyword abstract: NUCLEAR REACTIONS ^{23}Na(n,γ), (polarized n,γ),E=thermal; measured Eγ,Iγ,γ CP; deduced (B(n)). ^{24}Na deduced levels,γ-branching,J,π. Natural targets.

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: 1983HU11
Reference: Z.Phys. A313, 325 (1983)
Authors: P.Hungerford, T.von Egidy, H.H.Schmidt, S.A.Kerr, H.G.Borner, E.Monnand
Title: Nuclear Spectroscopic Study of ^{24}Na
Keyword abstract: NUCLEAR REACTIONS ^{23}Na(n,γ),E=thermal; measured Eγ,Iγ. ^{24}Na deduced levels,J,π,γ-branching. Crystal spectrometer,Ge(Li) detector. Shell,rotational models.

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: 1980MA02
Reference: Phys.Scr. 21, 21 (1980)
Authors: G.Magnusson, P.Andersson, I.Bergqvist
Title: 14.7 MeV Neutron Capture Cross-Section Measurements with Activation Technique
Keyword abstract: NUCLEAR REACTIONS ^{23}Na, ^{55}Mn, ^{89}Y, ^{127}I, ^{138}Ba, ^{186}W, ^{197}Au(n,γ),E=14.7 MeV; measured σ. Activation technique.

Keynumber: 1980LA13

Reference: Nucl.Sci.Eng. 75, 151 (1980)
Authors: D.C.Larson, G.L.Morgan
Title: Measurement and Analysis of the ^{23}Na(n,xγ) Reaction Cross Section for 0.2 ≤En ≤20 MeV
Keyword abstract: NUCLEAR REACTIONS ^{23}Na(n,γ),E=0.2-20 MeV; measured σ(θγ,E). NaI detector,multistep Hauser-Feshbach calculations.

Keynumber: 1980GR12
Reference: Nucl.Instrum.Methods 175, 515 (1980)
Authors: R.C.Greenwood, R.E.Chrien
Title: Precise γ-ray Energies from the ^{14}N(n,γ)^{15}N and ^{23}Na(n,γ)^{24}Na Reactions
Keyword abstract: NUCLEAR REACTIONS ^{14}N, ^{23}Na(n,γ),E=thermal; measured Eγ. ^{24}Na deduced neutron binding energy. Ge semiconductor detectors.

Keynumber: 1977WI06
Reference: Nucl.Sci.Eng. 63, 55 (1977)
Authors: W.M.Wilson, H.E.Jackson, G.E.Thomas
Title: A Comparison of the Gamma-Ray Spectra from 2.8-keV Neutron Capture and Thermal-Neutron Capture in Sodium-23
Keyword abstract: NUCLEAR REACTIONS ^{23}Na(n,γ),E <8 MeV; measured Eγ,Iγ. ^{24}Na deduced levels.

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: 1976KEZL
Reference: Thesis, Groningen Univ. (1976)
Authors: A.S.Keverling Buisman
Title:
Keyword abstract: NUCLEAR REACTIONS ^{22}Ne(^{3}He,pγ), ^{23}Na(n,γ), (d,pγ),E not given; measured DSA. ^{24}Na deduced levels,$T_{1/2}$,γ-branching ratios.

Keynumber: 1975WIZV
Coden: REPT ERDA/NDC-2, p26, Wilson
Keyword abstract: NUCLEAR REACTIONS ^{23}Na(n,γ),E=thermal,2.81 keV; measured σ.

Keynumber: 1975WIZO
Coden: JOUR BAPSA 20 572 BE4
Keyword abstract: NUCLEAR REACTIONS ^{23}Na(n,γ),E=thermal; measured σ(Eγ).

Keynumber: 1975WIZA
Coden: REPT ANL-75-75,P137
Keyword abstract: NUCLEAR REACTIONS ^{23}Na(n,γ),E=thermal; measured σ(Eγ).

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: 1974GR37
Reference: Nucl.Instrum.Methods 121, 385 (1974)
Authors: R.C.Greenwood, R.G.Helmer
Title: Gamma-Ray Energies from ^{14}N(n,γ)^{15}N and ^{23}Na(n,γ)^{24}Na Reactions: A Re-Evaluation
Keyword abstract: NUCLEAR REACTIONS ^{14}N, ^{23}Na(n,γ); analyzed data. ^{15}N, ^{24}Na deduced levels. ^{15}N deduced neutron binding energy.

Keynumber: 1973YU04
Reference: At.Energ. 35, 47 (1973); Sov.At.Energy 35, 661 (1974)
Authors: L.N.Yurova, A.V.Bushuev, V.M.Duvanov, A.F.Kozhin, A.M.Sirotkin
Title: Heterogeneous Effects of Sodium and U^{238} and of Certain Cross Section Ratios in a BFS-22
Keyword abstract: NUCLEAR REACTIONS ^{23}Na, ^{238}U(n,γ), ^{235}, ^{238}U(n,F),E=reactor spectrum; measured σ-ratios.

Keynumber: 1973RAXU
Coden: REPT COO-2176-20 P2
Keyword abstract: NUCLEAR REACTIONS ^{23}Na(n,γ); analyzed data. ^{24}Na deduced levels,level-width.

Keynumber: 1973PL06
Reference: Stud.Cercet.Fiz. 25, 387 (1973)
Authors: D.Plostinaru, E.A.Ivanov, A.Iordachescu, S.Vajda, G.Pascovici
Title: Studiul Sectiunilor de Obtinere Cu Neutroni Rapizi a ^{24m}Na
Keyword abstract: NUCLEAR REACTIONS ^{23}Na(n,γ),E=.92,2.28,3.95 MeV; measured σ.

Keynumber: 1973JAYM
Coden: REPT EANDC(US)-186'U' P24
Keyword abstract: NUCLEAR REACTIONS ^{23}Na(n,γ),E=2.85 keV; measured Eγ. ^{24}Na deduced transitions.

Keynumber: 1973ABZV
Coden: REPT EANDC(E)157-U,P118
Keyword abstract: NUCLEAR REACTIONS ^{23}Na, ^{64}, ^{66}, ^{68}Zn, ^{29}Si, ^{63}Cu, ^{72}Ge, ^{183}W(polarized n,γ); measured Eγ,CP(γ,X). ^{65}, ^{65}, ^{65}Zn, ^{30}Si, ^{64}Cu, ^{73}Ge, ^{184}W deduced levels, ^{24}Na resonance deduced J,π.

Keynumber: 1973ABZM
Coden: REPT INDC(SEC)-36/L P37
Keyword abstract: NUCLEAR REACTIONS ^{23}Na, ^{29}Si, ^{63}Cu, ^{72}Ge, ^{64}, ^{66}, ^{68}Zn, ^{183}W(n,γ); measured Eγ.

Keynumber: 1972PLZT
Coden: REPT INDC(SEC)-28/L,P228,12/4/72

Keyword abstract: NUCLEAR REACTIONS ^{23}Na(n,γ),E=0.92,2.28,3.95 MeV; measured σ for production of ^{24m}Na.

Keynumber: 1972KOYX
Coden: REPT RCN-175,J Kopecky,3/26/73
Keyword abstract: NUCLEAR REACTIONS ^{23}Na(n,γ),E=thermal; measured γ-CP,Eγ,Iγ. ^{24}Na deduced levels,J,π,γ-mixing.

Keynumber: 1972HOYX
Coden: CONF Budapest,Contributions,P258,E Holub,10/13/72
Keyword abstract: NUCLEAR REACTIONS ^{23}Na, ^{27}Al, ^{37}Cl, ^{51}V(n,γ),E=14 MeV; measured σ.

Keynumber: 1972CAYH
Coden: JOUR FZKAA 4 Suppl,59
Keyword abstract: NUCLEAR REACTIONS ^{23}Na, ^{27}Al, ^{37}Cl, ^{55}Mn, ^{41}K, ^{127}I(n,γ),E=14 MeV; measured activation σ.

Keynumber: 1971RYZZ
Reference: Proc.Int.Conf.Chemical Nuclear Data, Measurements and Applications, Canterbury, England, M.L.Hurrell, Ed., Institution of Civil Engineers, London, p.139 (1971)
Authors: T.B.Ryves
Title: Thermal Neutron Capture Cross Section Measurements at the NPL
Keyword abstract: NUCLEAR REACTIONS ^{23}Na, ^{26}Mg, ^{27}Al, ^{30}Si, ^{37}Cl, ^{41}K, ^{50}Ti, ^{51}V, ^{58}Fe, ^{64}Ni, ^{63}, ^{65}Cu, ^{69}, ^{71}Ga, ^{75}As, ^{79}, ^{81}Br, ^{89}Y, ^{107}, ^{109}Ag, ^{115}In, ^{121}, ^{123}Sb, ^{127}I, ^{139}La, ^{151}Eu, ^{196}, ^{198}Pt (n,γ),E=thermal; measured σ.

Keynumber: 1971RYZX
Coden: CONF Canterbury(Chem Nucl Data),P139,12/10/72
Keyword abstract: NUCLEAR REACTIONS ^{23}Na, ^{26}Mg, ^{27}Al, ^{30}Si, ^{37}Cl, ^{41}K, ^{50}Ti, ^{51}V, ^{58}Fe, ^{64}Ni, ^{63}, ^{65}Cu, ^{69}, ^{71}Ga, ^{75}As, ^{79}Br, ^{81}Br, ^{89}Y, ^{107}, ^{109}Ag, ^{115}In, ^{121}, ^{123}Sb, ^{127}I, ^{139}La, ^{151}Eu, ^{196}, ^{198}Pt (n,γ),E=thermal; measured σ; deduced resonance integrals.

Keynumber: 1971PAZJ
Coden: JOUR TANSA 14 No2 P814,N C Paik,7/3/72
Keyword abstract: NUCLEAR REACTIONS ^{23}Na(n,n'), (n,γ), (n,X); analyzed σ(E).

Keynumber: 1970STZZ
Reference: Thesis, Virginia Poly. (1970); Diss.Abst.Int. 31B, 3638 (1970)
Authors: E.P.Stergakos
Title: Studies of Resonances in ^{23}Na, ^{26}Mg, ^{41}K, ^{55}Mn and ^{59}Co
Keyword abstract: NUCLEAR REACTIONS ^{23}Na, ^{26}Mg, ^{41}K, ^{55}Mn, ^{59}Co(n,γ),E=thermal;measured Eγ,Iγ. ^{24}Na, ^{27}Mg, ^{42}K, ^{56}Mn, ^{60}Co deduced resonances, level-width.

Keynumber: 1970RY05
Reference: J.Nucl.Energy 24, 419 (1970)
Authors: T.B.Ryves, D.R.Perkins
Title: Thermal Neutron Capture Cross-Section Measurements for ^{23}Na, ^{27}Al, ^{37}Cl and ^{51}V

Keyword abstract: RADIOACTIVITY ^{28}Al, ^{52}V; measured $T_{1/2}$.

Keyword abstract: NUCLEAR REACTIONS ^{23}Na, ^{27}Al, ^{37}Cl, ^{51}V(n,γ),E=thermal; measured σ.

Keynumber: 1969NI04
Reference: Can.J.Phys. 47, 953 (1969)
Authors: L.W.Nichol, A.H.Colenbrander, T.J.Kennett
Title: A Study of the ^{23}Na(n,γ)^{24}Na and ^{27}Al(n,γ)^{28}Al Reactions
Keyword abstract: NUCLEAR REACTIONS ^{23}Na, ^{27}Al(n,γ), E=thermal; measured Eγ,Iγ; deduced Q. ^{24}Na, ^{28}Al deduced levels.

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: 1969HO12
Reference: Phys.Rev. 178, 1746 (1969)
Authors: R.W.Hockenbury, Z.M.Bartolome, J.R.Tatarczuk, W.R.Moyer, R.C.Block
Title: Neutron Radiative Capture in Na, Al, Fe, and Ni from 1 to 200 keV
Keyword abstract: NUCLEAR REACTIONS ^{23}Na, ^{27}Al, ^{54}, ^{56}, ^{57}, ^{58}Fe, ^{58}, ^{60}, ^{61}, ^{62}, ^{64}Ni(n,γ), E=0.1-200 keV; measured σ(E). ^{24}Na, ^{28}Al, ^{55}, ^{57}, ^{58}, ^{59}Fe, ^{59}, ^{61}, ^{62}, ^{63}, ^{65}Ni deduced resonance parameters.

Keynumber: 1968WA13
Reference: Proc.Conf.Neutron Cross Sections and Technol., Washington, D.C., D.T.Goldman, Ed., p.675 (1968); NBS Special Publ.299, Vol.II
Authors: O.A.Wasson, J.B.Garg, R.E.Chrien, M.R.Bhat
Title: Gamma Rays Following Neutron Capture in Iron, Sodium, and Thorium
Keyword abstract: NUCLEAR REACTIONS ^{23}Na, ^{232}Th(n,γ), E = thermal,resonance; measured Eγ, Iγ. ^{56}Fe(n,γ), E= thermal-5 keV; measured Eγ, Iγ, σ(E). ^{24}Na, ^{57}Fe, ^{233}Th resonances deduced J, level-width.

Keynumber: 1968GRZY
Reference: Proc.Conf.Slow-Neutron-Capture Gamma-Ray Spectr., Argonne, Ill. (1966), F.E.Throw, Ed., ANL-7282, p.303 (1968)
Authors: R.C.Greenwood
Title: Precise Measurements of Primary Capture Gamma-Ray Energies Using a 'Bootstrap' Method
Keyword abstract: NUCLEAR REACTIONS ^{9}Be, ^{14}N, ^{23}Na(n,γ), E = thermal; measured Eγ; deduced Q. Ge(Li) detector.

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: 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.
