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36 reference(s) found :

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: 1990KUZC
Reference: Proc.8th Seminar on Precise Measurements in Nucl.Spectrosc., Uzhgorod, p.85 (1990)
Authors: V.T.Kupryashkin, N.V.Strilchuk, A.I.Feoktistov, I.P.Shapovalova
Title: Measurements of Lifetime of High-Energy States Excited in (n,γ) Reaction on Thermal Neutrons
Keyword abstract: NUCLEAR REACTIONS ^{24}Mg, ^{27}Al, ^{31}P, ^{54}, ^{57}Fe(n,γ),E=thermal; measured DSA. ^{25}Mg, ^{28}Al, ^{32}P, ^{55}, ^{58}Fe levels deduced $T_{1/2}$. Enriched targets,NaI(Tl),hyperpure Ge detectors.

Keynumber: 1990KRZT
Reference: Program and Thesis, Proc.40th Ann.Conf.Nucl.Spectrosc.Struct.At.Nuclei, Leningrad, p.56 (1990)
Authors: N.S.Kravets, V.T.Kupryashkin, N.V.Strilchuk, A.I.Feoktistov, I.P.Shapovalova
Title: Measurement of Lifetimes of ^{58}Fe States in (n,γ) Reaction on Thermal Neutrons
Keyword abstract: NUCLEAR REACTIONS ^{57}Fe(n,γ),E=thermal; measured DSA. ^{58}Fe levels deduced $T_{1/2}$.

Keynumber: 1990KR17
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Keynumber: 1989CO01
Reference: J.Phys.(London) G15, 321 (1989)
Authors: S.P.Collins, S.A.Eid, S.A.Hamada, W.D.Hamilton, F.Hoyler
Title: A Search for Mixed-Symmetry States in the Mass A ≈ 50 Region
Keyword abstract: RADIOACTIVITY ^{56}Mn(β$^-$); measured γ(θ). ^{56}Fe levels deduced δ. Cryogenically oriented nuclei.
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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: 1983BE10

Reference: Nucl.Sci.Eng. 84, 12 (1983)

Authors: Z.W.Bell, J.K.Dickens, D.C.Larson, J.H.Todd

Title: Neutron-Induced Gamma-Ray Production in ^{57}Fe for Incident Neutron Energies between 0.16 and 21 MeV

Keyword abstract: NUCLEAR REACTIONS ^{57}Fe(n,γ), (n,n'γ), (n,pγ), (n,$\alpha\gamma$),E=0.16-21 MeV; measured absolute γ production σ. ^{57}Mn deduced level. ^{57}Fe deduced transitions,transition probability ratios.

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: 1978ALZK

Coden: CONF Brookhaven(Neutron Capt γ-Ray Spectr),Proc,P535,Allen

Keyword abstract: NUCLEAR REACTIONS ^{40}Ca, ^{45}Sc, $^{54, 56, 57}$Fe(n,γ),E=thermal; calculated radiative widths,variances. Statistical,valence,door-way models.

Keynumber: 1978ALYZ

Coden: CONF BNL(Neutron Capt γ-Ray Spectr),Contrib,No5,Allen

Keyword abstract: NUCLEAR REACTIONS ^{40}Ca, ^{45}Sc, $^{54, 56, 57}$Fe(n,γ); calculated L=0,1 radiative widths. ^{55}Fe deduced dominance of valence effects. ^{41}Ca, ^{46}Sc, $^{57, 58}$Fe deduced evidence for doorway components.

Keynumber: 1977RI14

Reference: Nucl.Instrum.Methods 144, 323 (1977)
Authors: M.Riihonen, J.Keinonen
Title: Measurements of Absolute Resonance Strengths in (p,γ) Reactions on Rare or Gaseous Nuclei
Keyword abstract: NUCLEAR REACTIONS ^{20}, ^{21}, ^{22}Ne, ^{54}, ^{56}, ^{57}, ^{58}Fe(n,γ); measured yields. ^{55}, ^{57}, ^{58}, ^{59}Co deduced resonance strength.

Keynumber: 1975RAZB
Reference: Proc.Int.Symp.Neutron Capture Gamma Ray Spectroscopy and Related Topics, 2nd, Petten, The Netherlands, K.Abrahams, F.Stecher-Rasmussen, P.Van Assche, Eds., Reactor Centrum Nederland, p.277 (1975)
Authors: S.Raman, G.G.Slaughter, W.M.Good, J.A.Harvey, J.B.McGrory, D.Larson
Title: 1^+ States in ^{58}Fe
Keyword abstract: NUCLEAR REACTIONS ^{57}Fe(n,γ),E <30 keV; measured σ(E,Eγ). ^{58}Fe deduced resonances,J,π.

Keynumber: 1975BE07
Reference: Nucl.Phys. A240, 29 (1975)
Authors: H.Beer, R.R.Spencer
Title: keV Neutron Radiative Capture and Total Cross Section of ^{50}, ^{52}, ^{53}Cr, ^{54}, ^{57}Fe, and ^{62}, ^{64}Ni
Keyword abstract: NUCLEAR REACTIONS ^{50}, ^{52}, ^{53}Cr, ^{54}, ^{57}Fe, ^{62}, ^{64}Ni(n,γ),E=5-200 keV; ^{50}, ^{52}Cr, ^{54}Fe, ^{62}, ^{64}Ni(n,t),E=10-300 keV; measured σ(E,Eγ),σ(E,Et). ^{51}, ^{53}, ^{54}Cr, ^{55}, ^{58}Fe, ^{63}, ^{65}Ni deduced resonances,J,L,n-width,γ-width. Enriched targets.

Keynumber: 1974SLZZ
Coden: JOUR BAPSA 19 430 AH8
Keyword abstract: NUCLEAR REACTIONS ^{57}Fe(n,γ); measured σ(Eγ). ^{58}Fe deduced resonances,levels, γ-branching.

Keynumber: 1974SLZV
Coden: REPT USNDC-11 P197
Keyword abstract: NUCLEAR REACTIONS ^{57}Fe(n,γ),E <30 keV; measured Eγ,Iγ. ^{58}Fe deduced resonances,γ-branching.

Keynumber: 1974RAZN
Coden: REPT ORNL-4937 P188
Keyword abstract: NUCLEAR REACTIONS ^{57}Fe(n,γ),E=1-100 keV; measured σ(E,Eγ). ^{58}Fe deduced levels,γ-branching ratios.

Keynumber: 1974RAZK
Coden: CONF Petten(Neutron Capture Gamma Ray Spectroscopy),P49
Keyword abstract: NUCLEAR REACTIONS ^{57}Fe(n,γ),E <30 keV; measured σ(E,Eγ). ^{58}Ni deduced resonances,J,π.

Keynumber: 1974BEXF
Coden: REPT KFK-2063,CRL
Keyword abstract: NUCLEAR REACTIONS ^{50}, ^{52}, ^{53}Cr, ^{54}, ^{57}Fe, ^{62}, ^{64}Ni(n,γ),E <300 keV; measured σ(E,Eγ). ^{51}, ^{53}, ^{54}Cr, ^{55}, ^{58}Fe, ^{63}, ^{65}Ni deduced resonances.

Keynumber: 1973OPZZ
Coden: REPT RCN-184
Keyword abstract: NUCLEAR REACTIONS K, ^{39}, ^{41}K, ^{57}Fe(n,γ); measured Eγ,Iγ,γγ(θ),Q. ^{40}, ^{42}K deduced levels,J,π,γ-branching. ^{58}Fe levels deduced J.
Keyword abstract: RADIOACTIVITY ^{40}, ^{42}K; measured Eγ,Iγ.

Keynumber: 1973KO27
Reference: Nucl.Phys. A215, 45 (1973)
Authors: J.Kopecky, K.Abrahams, F.Stecher-Rasmussen
Title: The ^{57}Fe(n,γ)^{58}Fe Reaction
Keyword abstract: NUCLEAR REACTIONS ^{57}Fe(polarized n,γ),E=thermal; measured Eγ,Iγ,γ-CP; deduced Q; ^{58}Fe levels deduced J. Enriched target.

Keynumber: 1973BEWY
Coden: REPT EANDC(E)157-U,P1
Keyword abstract: NUCLEAR REACTIONS ^{54}, ^{57}Fe, ^{50}, ^{52}, ^{53}Cr, ^{62}, ^{64}Ni(n,γ),E=5-200 keV; measured σ.

Keynumber: 1973ABZH
Coden: REPT RCN-203 P69
Keyword abstract: NUCLEAR REACTIONS ^{57}Fe(polarized n,γ),E=thermal; measured Eγ,Iγ,CP; deduced Q. ^{58}Fe levels deduced J.

Keynumber: 1972VOZM
Coden: REPT KFK-1676 P6
Keyword abstract: NUCLEAR REACTIONS ^{27}Al, ^{57}Fe(n,γ); measured σ(E),γ-production.

Keynumber: 1972BEVV
Coden: REPT KFK-1676 P3
Keyword abstract: NUCLEAR REACTIONS ^{50}, ^{52}, ^{53}Cr, ^{54}, ^{57}Fe, ^{62}, ^{64}Ni(n,γ); measured σ(E).

Keynumber: 1971KOZI
Coden: JOUR NTNAA 37 396,J Kopecky
Keyword abstract: NUCLEAR REACTIONS ^{50}, ^{52}Cr, ^{54}, ^{57}Fe, ^{60}, ^{62}Ni(n,γ),E=thermal; measured γ-CP,Q,Eγ,Iγ. ^{51}, ^{53}Cr, ^{55}, ^{58}Fe, ^{61}, ^{63}Ni deduced levels,J,π.

Keynumber: 1971ARZJ
Coden: CONF Legnaro(1f$_{7/2}$ Nuclei),P251
Keyword abstract: NUCLEAR REACTIONS ^{36}Ar, ^{40}Ar, ^{40}K, ^{40}, ^{42}, ^{44}, ^{46}, ^{48}Ca, ^{47}Ti, ^{55}Mn, ^{57}Fe, ^{59}Co(n,γ),E=thermal; surveyed Eγ,Iγ,γγ-coin,γγ(θ),γ-polarization data. ^{37}Ar, ^{41}Ar, ^{41}K, ^{41}, ^{43}, ^{45}, ^{47}, ^{49}Ca, ^{48}Ti, ^{56}Mn, ^{58}Fe, ^{60}Co deduced levels,J,π,γ-mixing.

Keynumber: 1969SC24
Reference: Nucl.Phys. A136, 122 (1969)
Authors: H.Schmidt, W.Michaelis, U.Fanger
Title: Winkelverteilungsmessungen an γ-Kaskaden Aus der Reaktion ^{57}Fe(n,γ)^{58}Fe

Keyword abstract: NUCLEAR REACTIONS ^{57}Fe(n,γ),E=thermal; measured $\gamma\gamma(\theta)$. ^{58}Fe deduced levels, J, π, γ-mixing. Enriched target, NaI(Tl) detectors.

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: 1969FA05
Reference: Nucl.Phys. A128, 641 (1969)
Authors: U.Fanger, W.Michaelis, H.Schmidt, H.Ottmar

Title: Untersuchung der Anregungszustande von ^{56}Fe uber die Gammastrahlung nach dem Einfang thermischer Neutronen

Keyword abstract: NUCLEAR REACTIONS ^{57}Fe(n,γ), E=th; measured Eγ,Iγ,$\gamma\gamma$-coin, $\gamma\gamma(\theta)$, Q. ^{58}Fe deduced levels, J,π,delta. Enriched target, Ge(Li) detector.

Keynumber: 1969BE53
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Authors: V.I.Belousova, E.A.Rudak, E.I.Firsov
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Keyword abstract: NUCLEAR REACTIONS $^{41, 47}$Ca, ^{53}Cr, ^{57}Fe(n,γ), E = thermal; calculated σ. Woods-Saxon potential.

Keynumber: 1968FA03
Reference: Contrib.Intern.Conf.Nucl.Struct., Dubna, p.5 (1968)
Authors: U.Fanger, H.Schmidt, W.Michaelis
Title: Level Structure Investigation of Fe^{58}

Keyword abstract: NUCLEAR REACTIONS ^{57}Fe(n,γ), E=thermal; measured Eγ, Iγ, $\gamma\gamma(\theta)$, $\gamma\gamma$-coin; deduced Q. ^{58}Fe deduced levels, J, π. Ge(Li) detector.

Keynumber: 1967MI12
Reference: KFK-562 (1967)
Authors: W.Michaelis, U.Fanger, D.Lange, G.Markus, H.Schmidt, C.Weitkamp
Title: Koinzidenzexperimente bei Neutroneneinfangreaktionen

Keyword abstract: NUCLEAR REACTIONS ^{57}Fe, ^{164}Dy, ^{168}Yb(n,γ),E=thermal; measured Eγ,Iγ,$\gamma\gamma$-coin. ^{58}Fe, ^{165}Dy, ^{169}Yb deduced levels. ^{87}Sr(n,γ),E=thermal; measured $\gamma\gamma(\theta)$. ^{88}Sr deduced levels,J,π.

Keynumber: 1967FAZZ
Reference: Intern.Conf.Nucl.Structure, Tokyo, p.152(1967); KFK-616
Authors: U.Fanger, G.Markus, W.Michaelis, H.Ottmar, H.Schmidt
Title: Nuclear Structure Studies with Radiative Neutron Capture

Keyword abstract: NUCLEAR REACTIONS ^{57}Fe, ^{61}Ni(n,γ),E=thermal; measured Eγ,Iγ,$\gamma\gamma$-coin. ^{58}Fe, ^{62}Ni deduced levels,J,π. ^{87}Sr(n,γ),E=thermal; measured Eγ,Iγ,$\gamma\gamma(\theta)$. ^{88}Sr deduced levels,J,π.

Keynumber: 1966WAZY

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Authors: R.Wagner, W.M.Good, D.Paya
Title: s-Wave Neutron Strength Functions of Isotopes in the 3s-Resonance Region 40 $<A<$70
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Keynumber: 1964GR36
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Authors: L.V.Groshev, A.M.Demidov, G.A.Kotelnikov, V.N.Lutsenko
Title: Spectrum of γ-Rays from the Fe^{56}(n,γ)Fe^{57} Reaction
Keyword abstract: NUCLEAR REACTIONS ^{54,} ^{56,} ^{57}Fe(n,γ),E=thermal; measured Eγ, Iγ, Q. ^{57}Fe deduced levels, J, π. Natural target.