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32 reference(s) found :

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: 1987SH03
Reference: Nucl.Instrum.Methods Phys.Res. A254, 139 (1987)
Authors: J.F.Shriner, Jr., G.E.Mitchell, E.G.Bilpuch
Title: Significance Levels of Linear Correlation Coefficients
Keyword abstract: NUCLEAR REACTIONS $^{42, 44}$Ca, ^{58}Fe, ^{136}Xe, ^{138}Ba(n,γ),E=thermal; $^{42, 44}$Ca, ^{136}Xe, ^{138}Ba(d,p),E $\approx$ 10 MeV; ^{50}Cr(p,p'), ^{44}Ca(p,γ),E not given; calculated channel,width,amplitude correlation coefficients,significance levels,probability density functions. Bootstrap method.

Keynumber: 1984SI04
Reference: J.Radioanal.Nucl.Chem. 81, 369 (1984)
Authors: A.Simonits, F.De Corte, L.Moens, J.Hoste
Title: Critical Evaluation and Experimental Determination of the Nuclear Activation and Decay Parameters for the Reactions: ^{50}Cr(n,γ)^{51}Cr, ^{58}Fe(n,γ)^{59}Fe, ^{109}Ag(n,γ)^{110m}Ag
Keyword abstract: NUCLEAR REACTIONS ^{50}Cr, ^{58}Fe, ^{109}Ag(n,γ),E=thermal; analyzed Iγ,other activation data; deduced σ.

Keynumber: 1983VEZZ
Reference: Priv.Comm. (July 1983)
Authors: R.Vennink
Title:
Keyword abstract: NUCLEAR REACTIONS ^{58}Fe(n,γ),E not given; analyzed Eγ,Iγ from previous measurement.

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: 1983KAZL

Reference: NEANDC(E)-242U, Vol.V, p.2 (1983)
Authors: F.Kappeler, K.Wisshak, L.D.Hong
Title: Neutron Capture Resonances in ^{56}Fe and ^{58}Fe in the Energy Range from 10 to 100 keV
Keyword abstract: NUCLEAR REACTIONS $^{56, 58}$Fe(n,γ),E=10-250 keV; measured capture σ. Gold standard.

Keynumber: 1983KA09
Reference: Nucl.Sci.Eng. 84, 234 (1983)
Authors: F.Kappeler, K.Wisshak, L.D.Hong
Title: Neutron Capture Resonances in ^{56}Fe and ^{58}Fe in the Energy Range from 10 to 100 keV
Keyword abstract: NUCLEAR REACTIONS $^{56, 58}$Fe(n,γ),E=10-100 keV; calculated capture γ-spectra; deduced capture yield,σ(capture) vs E. $^{57, 59}$Fe deduced resonances, (g$\Gamma\gamma\Gamma$n/Γ),Maxwellian <σ>

Keynumber: 1983AH01
Reference: Ann.Nucl.Energy 10, 41 (1983)
Authors: A.Ahmad
Title: Analysis and Evaluation of Thermal and Resonance Neutron Activation Data
Keyword abstract: NUCLEAR REACTIONS ^{45}Sc, ^{50}Ti, ^{50}Cr, ^{51}V, ^{55}Mn, ^{58}Fe, ^{59}Co, ^{74}Se, ^{85}Rb, $^{94, 96}$Zr, ^{123}Sb, ^{130}Ba, ^{133}Cs, ^{139}La, ^{140}Ce, ^{159}Tb, ^{180}Hf, ^{181}Ta, ^{197}Au(n,γ),E=thermal,epithermal; analyzed data. Generalized least-squares fit.

Keynumber: 1981KAZM
Reference: NEANDC(E)-222U, Vol.V, p.3 (1981)
Authors: F.Kappeler, L.D.Hong, K.Wisshak
Title: Determination of the Capture Widths of Neutron Resonances in ^{56,58}Fe in the Energy Range from 10 to 100 keV
Keyword abstract: NUCLEAR REACTIONS $^{56, 58}$Fe(n,γ),E=10-100 keV; measured σ(E). $^{57, 59}$Fe resonances deduced $\Gamma\gamma$. Activation technique.

Keynumber: 1980VE05
Reference: Nucl.Phys. A344, 421 (1980)
Authors: R.Vennink, J.Kopecky, P.M.Endt, P.W.M.Glaudemans
Title: Investigation of the ^{56}Fe(n,γ)^{57}Fe and ^{58}Fe(n,γ)^{59}Fe Reactions
Keyword abstract: NUCLEAR REACTIONS $^{56, 58}$Fe(n,γ),E=thermal; measured Eγ,Iγ; deduced Q. $^{57, 59}$Fe deduced levels,γ-branching,J,π. Enriched,natural targets.

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: 1980GA14
Reference: Rev.Roum.Phys. 25, 107 (1980)

Authors: I.Garlea, C.Miron, E.Popa

Title: Integral Cross Sections Measured in Σ the Σ Spectrum

Keyword abstract: NUCLEAR REACTIONS ^{59}Co, ^{58}Fe, ^{55}Mn, ^{109}Ag(n,γ), ^{54}, ^{56}Fe, ^{59}Co, ^{46}, ^{48}Ti (n,p), ^{59}Co(n,2n), ^{58}, ^{59}Co(n,α),E=thermal; measured integral σ.

Keynumber: 1980AL03

Reference: J.Phys.(London) G6, 381 (1980)

Authors: B.J.Allen, R.L.Macklin

Title: Resonance Neutron Capture in ^{58}Fe

Keyword abstract: NUCLEAR REACTIONS ^{58}Fe(n,γ),E=2.5-200 keV; measured σ. ^{59}Fe deduced resonance parameters. Enriched target.

Keynumber: 1979SCZE

Reference: Bull.Am.Phys.Soc. 24, No.7, 863, AB8 (1979)

Authors: R.E.Schenter, F.Schmittroth, F.M.Mann

Title: Evaluations of the Fe58(n,γ)Fe59 and Fe54(n,p)Mn54 Reactions for the ENDF/B-V Dosimetry File

Keyword abstract: NUCLEAR REACTIONS ^{58}Fe(n,γ), ^{54}Fe(n,p),E not given; evaluated σ. Generalized least-squares adjustment,Hauser-Feshbach calculations.

Keynumber: 1978WEZP

Coden: CONF Brookhaven(Neutron Capt γ-Ray Spectr),Proc,P800,Wells

Keyword abstract: NUCLEAR REACTIONS ^{58}Fe(n,γ),E=230,359 eV; measured Eγ,Iγ. ^{59}Fe resonances deduced E1,M1 correlation.

Keynumber: 1978WEZL

Coden: CONF BNL(Neutron Capt γ-Ray Spectr),Contrib,No87,Wells

Keyword abstract: NUCLEAR REACTIONS ^{58}Fe(n,γ),E=thermal-230 eV; measured Eγ,Iγ. ^{59}Fe resonances deduced linear correlation coefficient for S-,p-wave capture.

Keynumber: 1978WE09

Reference: Phys.Rev. C18, 707 (1978)

Authors: J.C.Wells, Jr., S.Raman, G.G.Slaughter

Title: Resonance Neutron Capture in ^{58}Fe, ^{56}Fe, and ^{54}Fe

Keyword abstract: NUCLEAR REACTIONS ^{58}Fe(n,γ),E=0.1-11 keV; measured Eγ,Iγ; deduced Q. ^{54}, ^{56}Fe(n,γ),E=1-50 keV; measured Eγ,Iγ. ^{55}Fe deduced resonances. ^{57}, ^{59}Fe deduced resonances,levels. ^{59}Fe levels deduced S. Enriched targets.

Keynumber: 1978VE06

Reference: Nucl.Phys. A299, 429 (1978)

Authors: R.Vennink, W.Ratynski, J.Kopecky

Title: Circular Polarization of Neutron Capture γ-Rays from Ca, Ti, Fe and Ni

Keyword abstract: NUCLEAR REACTIONS ^{42}Ca, ^{44}Ca, ^{46}Ti, ^{56}Fe, ^{58}Fe, ^{64}Ni(polarized n,γ),E=th; measured γ-CP. ^{43}Ca, ^{45}Ca, ^{47}Ti, ^{57}Fe, ^{59}Fe, ^{65}Ni levels deduced J. Enriched targets.

Keynumber: 1978HOZA

Coden: REPT NEANDC(E)-192U,P18,Ly Di Hong

Keyword abstract: NUCLEAR REACTIONS ^{58}Fe(n,γ),E=10-200 keV; measured σ. ^{59}Fe resonances deduced E,Γn,$\Gamma\gamma$. Monte Carlo astrophysical s-process calculations.

Keynumber: 1977WEZX
Coden: JOUR BAPSA 22 528 AF15,Wells
Keyword abstract: NUCLEAR REACTIONS Fe, ^{58}Fe(n,γ),E=resonance; measured σ(E,Eγ). $^{56, 57, 58, 59}$Fe deduced resonances.

Keynumber: 1977VEZQ
Coden: REPT INDC(SEC)-62/L,P140,Vennink
Keyword abstract: NUCLEAR REACTIONS ^{58}Fe, ^{64}Ni(polarized n,γ); measured CP γ. ^{59}Fe, ^{65}Ni levels deduced J,π.

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: 1977HOZT
Coden: REPT KFK-2504,P8,Hong
Keyword abstract: NUCLEAR REACTIONS ^{58}Fe(n,γ),E=10-200 keV; measured σ.

Keynumber: 1977ABZS
Coden: REPT INDC(SEC)-62/L,P137,Abrahams
Keyword abstract: NUCLEAR REACTIONS ^{51}V, ^{58}Fe, ^{64}Ni(n,γ); measured CP γ. ^{52}V, ^{59}Fe, ^{65}Ni levels deduced J,π.

Keynumber: 1974PAZM
Coden: REPT COO-3058-50 P5
Keyword abstract: NUCLEAR REACTIONS $^{54, 58}$Fe, ^{61}Ni(n,γ), (n,X),E=15-100 keV; measured σ,total σ.

Keynumber: 1973KNZK
Coden: REPT COO-3058-39 P18 mf
Keyword abstract: NUCLEAR REACTIONS ^{58}Fe, ^{64}Ni(n,γ),E=20-100 eV; ^{54}Fe, ^{61}Ni(n,γ),E=10-200 keV; measured σ.

Keynumber: 1972HOYH
Coden: REPT COO-3058-27,P14
Keyword abstract: NUCLEAR REACTIONS ^{54}Fe, ^{58}Fe, $^{61, 64}$Ni(n,X), (n,γ),E=0.1-35 keV; measured σ(E),σ(nT)(E). $^{55, 59}$Fe, $^{62, 65}$Ni deduced resonances.

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: 1971BOZZ

Coden: CONF Moscow(NuclSpectros,Structure) Abstr P43

Keyword abstract: NUCLEAR REACTIONS ^{58}Fe(n,γ),E=th; measured Eγ,Iγ. ^{59}Fe deduced transitions.

Keynumber: 1971BO51

Reference: Yad.Fiz. 14, 909 (1971); Sov.J.Nucl.Phys. 14, 509 (1972)

Authors: A.P.Bogdanov, V.A.Knatko, A.V.Soroka, V.N.Tadeush

Title: Gamma-Ray Spectrum from Reaction Fe^{58}(n,γ)Fe^{59}

Keyword abstract: NUCLEAR REACTIONS ^{58}Fe(n,γ),E=thermal; measured Eγ,Iγ; deduced Q. ^{59}Fe deduced levels,L(n),J,π. Ge(Li) detector.

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.