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43 reference(s) found :

Keynumber: 1995MO40

Reference: Aust.J.Phys. 48, 125 (1995)

Authors: A.J.Morton, D.G.Sargood

Title: Thermonuclear Reactions Rates for Reactions Leading to N = 28 Nuclei

Keyword abstract: NUCLEAR REACTIONS $^{44,46}\text{K}$, $^{46,47,48}\text{Ca}$, $^{45,47,48,49,50}\text{Sc}$, $^{46,47,48,49,50}\text{Ti}$, $^{47,48,49,50,51}\text{V}$, $^{48,49,50,51,52}\text{Cr}$, $^{51,52,53}\text{Mn}$, $^{52,53,54}\text{Fe}$, $^{55}\text{Co}(\text{n},\gamma), (\text{n},\text{p}), (\text{n},\alpha), (\text{p},\gamma), (\text{p},\text{n}), (\text{p},\alpha), (\alpha,\gamma), (\alpha,\text{n}), (\alpha,\text{p}), \text{E not given}; ^{56}\text{Ni}(\text{n},\gamma), (\text{n},\text{p}), (\text{n},\alpha), (\alpha,\gamma), (\alpha,\text{n}), (\alpha,\text{p}), \text{E not given}; ^{46}\text{Ar}, ^{45,47}\text{K}$ (p,γ), (p,n), (p,α), (α,γ), (α,n), (α,p)), E not given ; calculated stellar reaction rates vs temperature.

Statistical model calculations,optical-model potential.

Keynumber: 1990KUZT

Reference: Program and Thesis, Proc.40th Ann.Conf.Nucl.Spectrosc.Struct.At.Nuclei, Leningrad, p.55 (1990)

Authors: V.T.Kupryashkin, N.V.Strilchuk, A.I.Feoktistov, I.P.Shapovalova

Title: Lifetimes of ^{55}Fe Levels Excited in (n,γ) Reaction on Thermal Neutrons

Keyword abstract: NUCLEAR REACTIONS $^{54}\text{Fe}(\text{n},\gamma), \text{E=thermal}$; measured DSA. ^{55}Fe levels deduced $T_{1/2}$. Enriched target,NaI(Tl),hyperpure Ge detectors.

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 , $^{54,57}\text{Fe}(\text{n},\gamma), \text{E=thermal}$; measured DSA. ^{25}Mg , ^{28}Al , ^{32}P , $^{55,58}\text{Fe}$ levels deduced $T_{1/2}$. Enriched targets,NaI(Tl),hyperpure Ge detectors.

Keynumber: 1990KU26

Reference: Izv.Akad.Nauk SSSR, Ser.Fiz. 54, 2145 (1990); Bull.Acad.Sci.USSR, Phys.Ser. 54, No.11, 60 (1990)

Authors: V.T.Kupryashkin, N.V.Strilchuk, A.I.Feoktistov, I.P.Shapovalova

Title: Lifetimes of ^{55}Fe Levels Excited in the $(\text{n}\gamma)$ -Reaction Induced by Thermal Neutrons

Keyword abstract: NUCLEAR REACTIONS $^{54}\text{Fe}(\text{n},\gamma), \text{E=thermal}$; measured $\gamma\gamma$ -coin,DSA. ^{55}Fe levels deduced $T_{1/2}$.

Keynumber: 1987MA14

Reference: Nucl.Phys. A465, 413 (1987)

Authors: J.P.Mason

Title: Neutron Capture Gamma-Rays from the Low-Lying Resonances of ^{54}Fe

Keyword abstract: NUCLEAR REACTIONS $^{54}\text{Fe}(\text{n},\gamma), \text{E} \approx \text{resonance}$; measured $E\gamma, I\gamma, \text{capture yield}$ vs E . ^{55}Fe deduced resonances, $\Gamma\gamma$,relative $I\gamma, J, \pi$. Tof. Valence model.

Keynumber: 1986GU18

Reference: Ann.Nucl.Energy 13, 601 (1986)

Authors: P.T.Guenther, D.L.Smith, A.B.Smith, J.F.Whalen

Title: Total,Scattering and γ -Ray-Production Cross Sections for Few-MeV Neutrons on ^{54}Fe

Keyword abstract: NUCLEAR REACTIONS $^{54}\text{Fe}(\text{n},\text{n})$, (n,n') , (n,γ) , $E=0.5\text{-}4 \text{ MeV}$; measured total,reaction, γ production $\sigma(E),\sigma(\theta),E\gamma$. ^{54}Fe deduced levels, γ -branching, J,π . Enriched target,tof. Spherical optical model.

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 $^{20,21,22}\text{Ne}$, ^{23}Na , $^{24,25,26}\text{Mg}$, ^{27}Al , 28,29 , ^{30}Si , ^{31}P , 32,33,34 , ^{36}S , $^{35,37}\text{Cl}$, 36,38 , ^{40}Ar , $^{39,40,41}\text{K}$, 40,42,43 , $^{44,46,48}\text{Ca}$, ^{45}Sc , 46,47,48,49 , ^{50}Ti , $^{50,51}\text{V}$, 50,52,53 , ^{54}Cr , ^{55}Mn , 54,56,57 , ^{58}Fe , ^{59}Co , 58,60,61 , $^{62,64}\text{Ni}$, $^{63,65}\text{Cu}$, $^{64,66,67}\text{Zn}(\text{n},\gamma)$, (n,p) , (n,α) , (p,γ) , (p,n) , (p,α) , (α,γ) , (α,n) , (α,p) , $^{70}\text{Zn}(\text{p},\gamma)$, (p,n) , (p,α) , (α,γ) , (α,n) , (α,p) , $E=\text{low}$; compiled target thermal distribution energy state to ground state thermonuclear reaction rate of reaction σ vs temperature. Statistical model.

Keynumber: 1983BRZZ

Reference: NEANDC(E)-242U, Vol.III, p.15 (1983)

Authors: A.Brusegan, F.Corvi, G.Rohr, R.Shelley, T.van der Veen, C.Van der Vorst, B.J.Allan

Title: ^{54}Fe Neutron Capture Cross Section

Keyword abstract: NUCLEAR REACTIONS $^{54}\text{Fe}(\text{n},\gamma)$, $E=0.3\text{-}500 \text{ keV}$; measured $\sigma(\text{capture})$ vs E . ^{55}Fe deduced resonances, J,π ,absolute γ -transition strengths.

Keynumber: 1982RA32

Reference: Indian J.Pure Appl.Phys. 20, 627 (1982)

Authors: S.K.Rathi, V.P.Varshney, H.M.Agrawal

Title: Calculations of Neutron Capture Cross-Sections for some Nuclei using Bilpuch Formula

Keyword abstract: NUCLEAR REACTIONS $^{40,43}\text{Ca}$, $^{52,53}\text{Cr}$, $^{54,56}\text{Fe}$, ^{88}Sr , $^{90,91,92,94}\text{Zr}$, ^{93}Nb , $^{92,94,95,96,97,98,100}\text{Mo}$, ^{138}Ba , ^{139}La , ^{140}Ce , $^{203}\text{Tl}(\text{n},\gamma)$, $E=24 \text{ keV}$; calculated $\sigma(\text{capture})$. Experimental parameters,Bilpuch formula.

Keynumber: 1982KN01

Reference: Izv.Akad.Nauk SSSR, Ser.Fiz. 46, 187 (1982)

Authors: V.A.Knatko, E.A.Shimanovich

Title: Correlation Width Analysis for the Reaction $^{54}\text{Fe}(\text{n},\gamma)^{55}\text{Fe}$

Keyword abstract: NUCLEAR REACTIONS $^{54}\text{Fe}(\text{n},\gamma)$, $E=\text{low}$; analyzed s-wave resonance data. ^{55}Fe resonances deduced $\langle\Gamma\gamma\rangle$ channel correlation coefficient. Statistical model.

Keynumber: 1980RA08

Reference: Phys.Rev. C22, 328 (1980)

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

Title: Valence Neutron Capture γ -Ray Spectrum in ^{54}Fe

Keyword abstract: NUCLEAR REACTIONS $^{54}\text{Fe}(\text{n},\gamma)$, $E=1\text{-}18 \text{ keV}$; measured $E\gamma,I\gamma$. ^{55}Fe deduced resonances,levels, J,π ,neutron separation energy. Enriched target,Ge(Li) detector. Valence model.

Keynumber: 1980PIZN

Coden: CONF Kiev(Neutron Physics) Proc,Part3,P270,Pisanko

Keyword abstract: NUCLEAR REACTIONS $^{22, 23}\text{Na}$, $^{Mg, 24, 25, 26}\text{Mg}$, ^{27}Al , $^{Si, 28, 29, 30}\text{Si}$, ^{31}P , $^{S, 32, 33, 34}\text{S}$, $^{Cl, 35, 36, 37}\text{Cl}$, $^{Ar, 36, 38, 40}\text{Ar}$, $^{K, 39, 40, 41}\text{K}$, $^{Ca, 40, 42, 43, 44, 46, 48}\text{Ca}$, $^{45, 46}\text{Sc}$, $^{Ti, 46, 47, 48, 49, 50}\text{Ti}$, $^{V, 50, 51}\text{V}$, $^{Cr, 50, 52, 53, 54}\text{Cr}$, $^{Fe, 54, 56, 57, 58}\text{Fe}$, $^{Co, Ni, 58, 59, 60, 61, 62, 64}\text{Co}$, $^{Ni, Cu, 63, 65}\text{Cu}$, $^{Zn, 64, 66, 67, 68, 70}\text{Zn}$, $^{Ga, 69, 71}\text{Ga}$ (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 ^1H , ^9Be , ^{14}N , $^{24, 25}\text{Mg}$, ^{27}Al , $^{28, 29}\text{Si}$, ^{32}S , ^{35}Cl , $^{40, 44}\text{Ca}$, $^{47, 48, 49}\text{Ti}$, $^{50, 52, 53}\text{Cr}$, ^{55}Mn , $^{54, 56, 57}\text{Fe}$ (n, γ), E=thermal; measured $E\gamma, I\gamma$. ^2H , ^{10}Be , $^{25, 26}\text{Mg}$, ^{28}Al , $^{29, 30}\text{Si}$, ^{33}S , ^{36}Cl , $^{41, 45}\text{Ca}$, $^{48, 49, 50}\text{Ti}$, $^{51, 53, 54}\text{Cr}$, ^{56}Mn , $^{55, 57, 58}\text{Fe}$ deduced Q, neutron binding energy.

Keynumber: 1979RAZT

Reference: Bull.Am.Phys.Soc. 24, No.4, 631, EM7 (1979)

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

Title: Valence Neutron Capture in ^{54}Fe

Keyword abstract: NUCLEAR REACTIONS ^{54}Fe (n, γ), E=7.76-14.4 keV; measured $E\gamma, I\gamma$. ^{55}Fe deduced resonance.

Keynumber: 1979BRZN

Reference: Bull.Am.Phys.Soc. 24, No.7, 867, BB8 (1979)

Authors: A.Brusegan, F.Corvi, G.Rohr, R.Shelley, T.Van der Veen

Title: Neutron Capture Cross Section Measurements of Fe-54 and Fe-56

Keyword abstract: NUCLEAR REACTIONS $^{54, 56}\text{Fe}$ (n, γ), E=0.5-600 keV; measured σ .

Keynumber: 1978ALZK

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

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

Keynumber: 1978ALYZ

Coden: CONF BNL(Neutron Capt γ -Ray Spectr), Contrib, No 5, Allen

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

Keynumber: 1978AL05

Reference: Phys.Lett. 72B, 323 (1978)

Authors: B.J.Allen, A.R.de L.Musgrove, W.K.Bertram

Title: Resonance and Background Interference in ^{54}Fe Neutron Capture

Keyword abstract: NUCLEAR REACTIONS ^{54}Fe (n, γ); calculated valence σ .

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 $^{20, 21, 22}\text{Ne}$, $^{54, 56, 57, 58}\text{Fe}(n,\gamma)$; measured yields. $^{55, 57, 58, 59}\text{Co}$ deduced resonance strength.

Keynumber: 1977AL12

Reference: Nucl.Phys. A283, 37 (1977)

Authors: B.J.Allen, A.R.de L.Musgrove, J.W.Boldeman, R.L.Macklin

Title: Valence Neutron Capture in ^{54}Fe

Keyword abstract: NUCLEAR REACTIONS $^{54}\text{Fe}(n,\gamma)$, E=2.5-500 keV; measured $\sigma(E, E\gamma)$. ^{55}Fe deduced resonance parameters, correlation coefficient, valence capture. $^6\text{Li}(n, \alpha)$ monitor. Enriched target.

Keynumber: 1975MUZX

Coden: JOUR BAPSA 20 168 HB20

Keyword abstract: NUCLEAR REACTIONS ^{38}Ar , $^{54}\text{Fe}(n,\gamma)$, E=thermal; calculated σ .

Keynumber: 1975BE07

Reference: Nucl.Phys. A240, 29 (1975)

Authors: H.Beer, R.R.Spencer

Title: keV Neutron Radiative Capture and Total Cross Section of $^{50, 52, 53}\text{Cr}$, $^{54, 57}\text{Fe}$, and $^{62, 64}\text{Ni}$

Keyword abstract: NUCLEAR REACTIONS $^{50, 52, 53}\text{Cr}$, $^{54, 57}\text{Fe}$, $^{62, 64}\text{Ni}(n,\gamma)$, E=5-200 keV; $^{50, 52}\text{Cr}$, ^{54}Fe , $^{62, 64}\text{Ni}(n,t)$, E=10-300 keV; measured $\sigma(E, E\gamma)$, $\sigma(E, Et)$. $^{51, 53, 54}\text{Cr}$, $^{55, 58}\text{Fe}$, $^{63, 65}\text{Ni}$ deduced resonances, J,L,n-width, γ -width. Enriched targets.

Keynumber: 1974PAZO

Coden: REPT USNDC-11 P221

Keyword abstract: NUCLEAR REACTIONS ^{54}Fe , $^{61}\text{Ni}(n,X)$, (n,γ) , E=15-100 keV; measured σ .

Keynumber: 1974PAZM

Coden: REPT COO-3058-50 P5

Keyword abstract: NUCLEAR REACTIONS $^{54, 58}\text{Fe}$, $^{61}\text{Ni}(n,\gamma)$, (n,X) , E=15-100 keV; measured σ , total σ .

Keynumber: 1974BEXF

Coden: REPT KFK-2063,CRL

Keyword abstract: NUCLEAR REACTIONS $^{50, 52, 53}\text{Cr}$, $^{54, 57}\text{Fe}$, $^{62, 64}\text{Ni}(n,\gamma)$, E < 300 keV; measured $\sigma(E, E\gamma)$. $^{51, 53, 54}\text{Cr}$, $^{55, 58}\text{Fe}$, $^{63, 65}\text{Ni}$ deduced resonances.

Keynumber: 1973KNZZ

Coden: REPT COO-3058-34 P3 (CRL)

Keyword abstract: NUCLEAR REACTIONS ^{54}Fe , $^{61}\text{Ni}(n,\gamma)$, E=10-200 keV; measured $\sigma(E)$. ^{62}Ni deduced resonances.

Keynumber: 1973BEWY

Coden: REPT EANDC(E)157-U,P1

Keyword abstract: NUCLEAR REACTIONS $^{54, 57}\text{Fe}$, $^{50, 52, 53}\text{Cr}$, $^{62, 64}\text{Ni}(n,\gamma)$, E=5-200 keV; measured σ .

Keynumber: 1972KOZJ

Coden: CONF Budapest,Contributions,P234,J Kopecky,10/13/72

Keyword abstract: NUCLEAR REACTIONS 50 , 52 Cr, 54 Fe, 60 , 62 Ni(n, γ); measured γ -CP. 51 , 53 Cr, 55 Fe, 61 , 63 Ni levels deduced L(n),J.

Keynumber: 1972KO15

Reference: Nucl.Phys. A188, 535 (1972)

Authors: J.Kopecky, K.Abrahams, F.Stecher-Rasmussen

Title: Study of the (n, γ) Reaction in the Mass Region A = 50 - 63

Keyword abstract: NUCLEAR REACTIONS 50 Cr, 52 Cr, 54 Fe, 60 Ni, 62 Ni(polarized n, γ);E= thermal; measured E γ ,I γ , γ -CP; deduced Q. 51 Cr, 53 Cr, 55 Fe, 61 Ni, 63 Ni levels deduced J. Enriched targets.

Keynumber: 1972KN03

Reference: Nucl.Phys. A194, 458 (1972)

Authors: V.A.Knatko, E.A.Rudak

Title: Phonon-Particle Doorway States in (n, γ) Reactions on Nuclei with N = 28 and N = 82

Keyword abstract: NUCLEAR REACTIONS 50 Ti, 52 Cr, 54 Fe, 138 Ba, 140 Ce, 142 Nd(n, γ),E=thermal; analyzed σ (E γ). 51 Ti, 53 Cr, 55 Fe, 139 Ba, 141 Ce, 143 Nd calculated levels, wave functions, B(E1); analyzed phonon-particle doorway states.

Keynumber: 1972KN02

Reference: Yad.Fiz. 15, 1132 (1972); Sov.J.Nucl.Phys. 15, 626 (1972)

Authors: V.A.Knatko, E.A.Rudak

Title: Doorway States of 'Phonon + Particle' Type in (n, γ) Reactions with N = 28 and N = 82 Nuclei

Keyword abstract: NUCLEAR REACTIONS 50 Ti, 52 Cr, 54 Fe, 138 Ba, 140 Ce, 142 Nd(n, γ),E=thermal; calculated E1 I γ . 51 Ti, 53 Cr, 55 Fe, 139 Ba, 141 Ce, 143 Nd analyzed E1 transitions, doorway states.

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: 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: 1971WHZV

Coden: REPT ORNL-TM-3442,J E White,10/11/71

Keyword abstract: NUCLEAR REACTIONS Fe, 54 , 56 Fe(n, γ),E < 10 MeV; calculated σ (E;E γ). 55 , 57 Fe calculated levels, J, π , γ -branching.

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, E γ , I γ . 51 , 53 Cr, 55 , 58 Fe, 61 , 63 Ni deduced levels, J, π .

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 E γ , I γ . 9 inx 12 in NaI detector.

Keynumber: 1970SP02

Reference: Nucl.Phys. A145, 449 (1970)

Authors: A.M.J.Spits, A.M.F. Op den Kamp, H.Gruppelaar

Title: Gamma Rays from Thermal-Neutron Capture in Natural and ^{28}Si Enriched Silicon

Keyword abstract: NUCLEAR REACTIONS 28 , 29 , ^{30}Si , ^6Li , ^{14}N , ^{19}F , ^{27}Al , 54 , ^{56}Fe , ^{207}Pb (n, γ), E=thermal; ^{28}Si (n, n' γ), E=fast; measured E γ , I γ ; deduced Q. 29 , 30 , ^{31}Si deduced levels, γ -branching. Natural, ^{28}Si enriched targets, Ge(Li) detector.

Keynumber: 1970BRZJ

Coden: REPT FEI-205, D Broder, 5/29/72

Keyword abstract: NUCLEAR REACTIONS 50 , 52 , ^{53}Cr , 54 , ^{56}Fe (n, γ); measured E γ , I γ . 51 , 53 , ^{54}Cr deduced levels, γ -branching.

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: 1968BI06

Reference: Nucl.Phys. A120, 113 (1968)

Authors: J.R.Bird

Title: keV Neutron Capture in Iron

Keyword abstract: NUCLEAR REACTIONS ^{54}Fe , ^{56}Fe (n, γ) E=15-80 keV, measured σ (E; E γ). ^{55}Fe , ^{57}Fe deduced levels, resonances. Natural, enriched targets.

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 ^6Li , ^7Li , ^9Be , ^{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 E γ ; deduced Q. Natural targets.

Keynumber: 1965FI04

Reference: Nucl.Phys. 73, 312 (1965)

Authors: E.I.Firsov, N.G.Loskutova, E.A.Rudak

Title: Spectrum of γ -Rays from the ^{54}Fe (n, γ) ^{55}Fe Reaction

Keyword abstract: NUCLEAR REACTIONS ^{54}Fe , $^{56}\text{Fe}(\text{n},\gamma)$, E = thermal; measured $\sigma(E\gamma)$. ^{55}Fe deduced levels. Enriched ^{54}Fe target.

Keynumber: 1964GR36

Reference: Nucl.Phys. 58, 465(1964)

Authors: L.V.Groshev, A.M.Demidov, G.A.Kotelnikov, V.N.Lutsenko

Title: Spectrum of γ -Rays from the $\text{Fe}^{56}(\text{n},\gamma)\text{Fe}^{57}$ Reaction

Keyword abstract: NUCLEAR REACTIONS 54 , 56 , $^{57}\text{Fe}(\text{n},\gamma)$, E=thermal; measured $E\gamma$, $I\gamma$, Q. ^{57}Fe deduced levels, J, π . Natural target.
