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31 reference(s) found :

Keynumber: 1997VE03

Reference: Appl.Radiat.Isot. 48, 493 (1997)

Authors: L.Venturini, B.R.S.Pecequilo

Title: Thermal Neutron Capture Cross-Section of ^{48}Ti , ^{51}V , 50 , 52 , ^{53}Cr and 58 , 60 , 62 , ^{64}Ni

Keyword abstract: NUCLEAR REACTIONS ^{48}Ti , ^{51}V , 50 , 52 , ^{53}Cr , 58 , 60 , 62 , $^{64}\text{Ni}(n,\gamma)$,E=thermal; measured $E\gamma$, $I\gamma$; deduced capture σ .

Keynumber: 1997KAZZ

Reference: Proc.9th Intern.Symposium on Capture Gamma-Ray Spectroscopy and Related Topics, Budapest, Hungary, October 1996, G.L.Molnar, T.Belgya, Zs.Revay, Eds., Vol.1, p.440 (1997)

Authors: T.Kahn, F.J.Hartmann, J.Ott, T.von Egidy, M.Jentschel

Title: Gamma-Ray Induced Doppler Shift After (n,γ) Reactions in Si and Ti

Keyword abstract: NUCLEAR REACTIONS ^{28}Si , $^{48}\text{Ti}(n,\gamma)$,E=thermal; measured $E\gamma$, $I\gamma$, γ -induced Doppler shift. ^{49}Ti level deduced $T_{1/2}$.

Keynumber: 1997KA71

Reference: Nucl.Instrum.Methods Phys.Res. A385, 100 (1997)

Authors: T.Kahn, T.von Egidy, F.J.Hartmann, J.Ott, M.Jentschel

Title: Gamma-Ray Induced Doppler Shift Attenuation after (n,γ) Reactions in Si and Ti

Keyword abstract: NUCLEAR REACTIONS ^{28}Si , $^{48}\text{Ti}(n,\gamma)$,E=reactor; measured $E\gamma$, $I\gamma$, γ -coin,Doppler-shifted spectra. ^{29}Si , ^{49}Ti deduced levels $T_{1/2}$. Gamma-ray induced Doppler shift attenuation method.

Keynumber: 1996ST40

Reference: Nucl.Instrum.Methods Phys.Res. A381, 443 (1996)

Authors: N.Stritt, J.Jolie, H.Maser, H.H.Pitz

Title: A MeV Tunable Gamma-Ray Source by Compton Scattering

Keyword abstract: NUCLEAR REACTIONS $^{48}\text{Ti}(n,\gamma)$,E=thermal; measured Compton scattered $E\gamma$, $I\gamma$ (θ); deduced tunable γ -ray source application.

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}K , 46 , 47 , ^{48}Ca , 45 , 47 , 48 , 49 , ^{50}Sc , 46 , 47 , 48 , 49 , ^{50}Ti , 47 , 48 , 49 , 50 , ^{51}V , 48 , 49 , 50 , 51 , ^{52}Cr , 51 , 52 , ^{53}Mn , 52 , 53 , ^{54}Fe , $^{55}\text{Co}(n,\gamma)$, (n,p) , (n,α) , (p,γ) , (p,n) , (p,α) , (α,γ) , (α,n) , (α,p) ,E not given; $^{56}\text{Ni}(n,\gamma)$, (n,p) , (n,α) , (α,γ) , (α,n) , (α,p) ,E not given; ^{46}Ar , 45 , ^{47}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: 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 , $^{58}\text{Ni}(n,\gamma)$, 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: 1990KR15

Reference: Nucl.Instrum.Methods Phys.Res. A295, 155 (1990)

Authors: B.Krusche, K.Schreckenbach

Title: Intense Positron Sources by Pair Creation with Neutron Capture γ -Rays

Keyword abstract: NUCLEAR REACTIONS $^{48}\text{Ti}(n,\gamma)$, E=thermal; measured positron spectra following γ -absorption in Pt foil. $^{113}\text{Cd}(n,\gamma)$, E=thermal; measured positron spectra following γ -absorption in W foil. $^{113}\text{Cd}(n,e^-)$, E=thermal; measured I(ce); deduced intense positron sources.

Keynumber: 1988BO34

Reference: Phys.Lett. 215B, 45 (1988)

Authors: H.G.Borner, J.Jolie, F.Hoyler, S.Robinson, M.S.Dewey, G.Greene, E.Kessler, R.D.Deslattes

Title: Determination of Short Lifetimes with Ultra High Resolution (n, γ) Spectroscopy

Keyword abstract: NUCLEAR REACTIONS $^{48}\text{Ti}(n,\gamma)$, E=thermal; measured Doppler broadening of γ -line shape. ^{49}Ti levels deduced $T_{1/2}$.

Keynumber: 1987LI05

Reference: Chin.J.Nucl.Phys. 9, 21 (1987)

Authors: Liu Zianfeng, Ho Yukun

Title: Non-Statistical Effects in the Radiative Neutron Capture at the 3s Giant Resonance Region

Keyword abstract: NUCLEAR REACTIONS ^{40}Ca , ^{48}Ti , ^{52}Cr , ^{56}Fe , ^{64}Ni , $^{74}\text{Ge}(n,\gamma)$, E=0.1-3 MeV; calculated $\sigma(E)$. ^{41}Ca , ^{49}Ti , ^{53}Cr , ^{57}Fe , ^{65}Ni , ^{75}Ge deduced neutron giant resonance strength. Statistical, nonstatistical effects.

Keynumber: 1986LO12

Reference: Radiat.Eff. 95, 199 (1986)

Authors: G.Longo, F.Fabbri

Title: Production of High-Energy Photons in Fast Neutron Radiative Capture

Keyword abstract: NUCLEAR REACTIONS ^{48}Ti , ^{58}Ni , Ni(n, γ), E=4-20 MeV; calculated $\sigma(E_n)$, $\sigma(E\gamma, \theta\gamma)$. Direct-semidirect 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}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 , $^{67}\text{Zn}(n,\gamma)$, (n,p), (n, α), (p, γ), (p,n), (p, α), (α,γ), (α,n), (α,p), $^{70}\text{Zn}(p,\gamma)$, (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: 1983RU08

Reference: Nucl.Phys. A407, 60 (1983)

Authors: J.F.A.G.Ruyl, P.M.Endt

Title: Investigation of the $^{48}\text{Ti}(n,\gamma)^{49}\text{Ti}$ Reaction

Keyword abstract: NUCLEAR REACTIONS $^{48}\text{Ti}(n,\gamma)$, (polarized n,γ), E=thermal; measured $E\gamma, I\gamma, \gamma$ CP; deduced Q-value. ^{49}Ti deduced levels, γ -branching, J, δ . Natural target.

Keynumber: 1980PIZN

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

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

Keynumber: 1978SH07

Reference: J.Phys.(London) G4, 973 (1978)

Authors: P.Sharman, J.-F.Cavaignac, J.-L.Charvet, W.D.Hamilton, P.Hungerford, B.Vignon

Title: A Test for T Violation by a Directional Correlation of Cascade Gamma Rays Emitted by Polarised ^{49}Ti

Keyword abstract: NUCLEAR REACTIONS $^{48}\text{Ti}(n,\gamma)$, E=4 Angstrom; measured $\gamma\gamma(\theta)$. ^{49}Ti deduced limit on T violation. Natural target.

Keynumber: 1977ALYR

Reference: AAEC/E-402 (1977)

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

Title: Resonance Neutron Capture in the Isotopes of Titanium

Keyword abstract: NUCLEAR REACTIONS $^{46}, ^{47}, ^{48}, ^{49}, ^{50}\text{Ti}(n,\gamma)$, E=2.75-300 keV; measured capture γ -yield. $^{47}, ^{48}, ^{49}, ^{50}, ^{51}\text{Ti}$ deduced resonance parameters.

Keynumber: 1975ALZW

Coden: JOUR BAPSA 20 150 EB16

Keyword abstract: NUCLEAR REACTIONS $^{27}\text{Al}, ^{28}\text{Si}, ^{40}\text{Ca}, ^{48}\text{Ti}, ^{52}\text{Cr}, ^{90}\text{Zr}, ^{138}\text{Ba}(n,\gamma)$, E > 2.5 keV; measured $\sigma(E\gamma)$.

Keynumber: 1974RAZI

Reference: Contrib.Int.Symp.Neutron Capture Gamma Ray Spectroscopy and Related Topics, 2nd, Petten, p.225 (1974)

Authors: W.Ratynski, J.Kopecky

Title: The $^{46}\text{Ti}(n,\gamma)$ Circular Polarization Measurement

Keyword abstract: NUCLEAR REACTIONS $^{48}, ^{46}\text{Ti}(\text{polarized } n,\gamma), E=\text{thermal};$ measured CP. $^{49}, ^{47}\text{Ti}$ levels deduced J, π .

Keynumber: 1974KEZR

Coden: REPT INDC(SWT)-5/L

Keyword abstract: RADIOACTIVITY $^{22}, ^{24}\text{Na}, ^{46}\text{Sc}, ^{51}\text{Cr}, ^{54}\text{Mn}, ^{56}, ^{57}, ^{60}\text{Co}, ^{88}\text{Y}, ^{94}\text{Nb}, ^{140}\text{La}, ^{203}\text{Hg}, ^{207}\text{Bi}, ^{208}\text{Tl}, ^{241}\text{Am}, ^{182}\text{Ta}, ^{192}\text{Ir}, ^{110m}\text{Ag}, ^{180m}\text{Hf};$ measured nothing, compiled E γ . $^{56}\text{Co}, ^{180m}\text{Hf}, ^{137}\text{Cs}, ^{198}\text{Au}, ^{57}\text{Co}, ^{108m}\text{Ag}, ^{22}\text{Na}, ^{24}\text{Na}, ^{46}\text{Sc}, ^{60}\text{Co}, ^{228}\text{Th};$ measured nothing, compiled I γ .

Keyword abstract: NUCLEAR REACTIONS $^{53}\text{Cr}(n,\gamma), ^{48}\text{Ti}(n,\gamma), ^{52}\text{Cr}(n,\gamma);$ measured nothing, compiled E $\gamma, I\gamma$.

Keynumber: 1972GA07

Reference: Yad.Fiz. 15, 3 (1972); Sov.J.Nucl.Phys. 15, 1 (1972)

Authors: A.F.Gamalii, B.V.Zemtsev, V.B.Ivanov, B.V.Nesterov, L.P.Khamyanov

Title: Gamma Radiation in Intermediate Neutron Radioactive Capture

Keyword abstract: NUCLEAR REACTIONS $^{95}, ^{97}\text{Mo}, ^{62}\text{Ni}, ^{48}\text{Ti}(n,\gamma), E=\text{thermal}, 2-25 \text{ keV};$ measured E $\gamma, I\gamma$. $^{49}\text{Ti}, ^{96}\text{Mo}$ deduced levels, J, π . $^{98}\text{Mo}, ^{63}\text{Ni}$ deduced transitions. Ge(Li) detector.

Keynumber: 1971NEZZ

Coden: CONF Moscow(NuclSpectros,Structure) Abstr P38

Keyword abstract: NUCLEAR REACTIONS $^{46}, ^{47}, ^{48}, ^{49}, ^{50}\text{Ti}(n,\gamma), E$ not given; measured E $\gamma, I\gamma$. $^{47}, ^{48}, ^{49}, ^{50}, ^{51}\text{Ti}$ deduced transitions.

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 $^{32}\text{S}, ^{35}\text{Cl}, ^{48}\text{Ti}, ^{55}\text{Mn}, ^{56}\text{Fe}, ^{59}\text{Co}, ^{63}\text{Cu}(\text{polarized } n,\gamma), E$ = thermal; measured γ circular polarization. $^{33}\text{S}, ^{36}\text{Cl}, ^{49}\text{Ti}, ^{56}\text{Mn}, ^{57}\text{Fe}, ^{60}\text{Co}, ^{64}\text{Cu}$ 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 $^{23}\text{Na}, ^{27}\text{Al}, ^{31}\text{P}, ^{32}\text{S}, ^{35}\text{Cl}, ^{48}\text{Ti}, ^{51}\text{V}, ^{53}\text{Cr}, ^{52}\text{Cr}, ^{55}\text{Mn}, ^{56}\text{Fe}, ^{59}\text{Co}, ^{60}\text{Ni}, \text{Ni}, \text{Cu}, ^{63}\text{Cu}, \text{Ge}, ^{73}\text{Ge}, ^{75}\text{As}, \text{Se}, \text{Br}, \text{Sr}, \text{Zr}, ^{93}\text{Nb}, \text{Mo}, ^{103}\text{Rh}, \text{Ag}(n,\gamma) E=\text{thermal};$ measured average γ multiplicity.

Keynumber: 1969FE08

Reference: Nucl.Phys. A139, 113 (1969)

Authors: P.Fettweis, M.Saidane

Title: The Level Scheme of ^{48}Ti and ^{49}Ti as Studied by the Neutron Capture γ -Ray Spectra

Keyword abstract: NUCLEAR REACTIONS $^{47}, ^{48}\text{Ti}(n,\gamma), E=\text{thermal};$ measured E $\gamma, I\gamma$. $^{48}, ^{49}\text{Ti}$ deduced levels. Enriched ^{47}Ti target.

Keynumber: 1969AB03

Reference: Nucl.Phys. A124, 34 (1969)

Authors: K.Abrahams, W.Ratynski

Title: Circular Polarization of γ -Radiation After Capture of Polarized Thermal Neutrons

Keyword abstract: NUCLEAR REACTIONS ^{39}K , ^{40}Ca , ^{48}Ti , ^{59}Co , ^{113}Cd , $^{207}\text{Pb}(n,\gamma)$, E=thermal; measured $P\gamma$, $E\gamma$. ^{40}K , ^{41}Ca , ^{49}Ti , ^{60}Co , ^{114}Cd , ^{208}Pb , deduced levels, J, delta. Natural targets, Ge(Li) detector.

Keynumber: 1968TR08

Reference: Yadern.Fiz. 7, 7 (1968); Soviet J.Nucl.Phys. 7, 4 (1968)

Authors: E.F.Tretyakov, G.V.Danilyan, V.S.Pavlov, G.I.Grishuk, V.F.Konyaev

Title: Multipolarity of the 341-keV Transition Following Thermal Neutron Capture by Ti^{48}

Keyword abstract: NUCLEAR REACTIONS $^{48}\text{Ti}(n,\gamma)$, E=thermal; measured $E\gamma$, $I\gamma$, ICC. ^{49}Ti deduced γ -mixing.

Keynumber: 1968KA12

Reference: Nucl.Phys. A120, 225 (1968)

Authors: J.Kajfosz, J.Kopecky, J.Honzatko

Title: Search for Time-Reversal Non-Invariance in Strong Interactions

Keyword abstract: NUCLEAR REACTIONS $^{48}\text{Ti}(\text{polarized } n,\gamma)$, E=thermal; measured $E\gamma$, $\gamma\gamma(\theta)$. ^{49}Ti deduced validity of time-reversal invariance. Natural target.

Keynumber: 1968HO08

Reference: Czech.J.Phys. 18B, 34 (1968)

Authors: J.Honzatko, J.Kajfosz, J.Kopecky

Title: Mixing Ratio of the 0.34 MeV (M1+E2) Transition in ^{49}Ti

Keyword abstract: NUCLEAR REACTIONS $^{48}\text{Ti}(n,\gamma)$, E=thermal measured γ directional polarization correlation. ^{49}Ti transition deduced γ -mixing ratio.

Keynumber: 1968CA01

Reference: Nucl.Phys. A107, 436 (1968)

Authors: P.Carlos, J.Matuszek, A.Audias, B.P.Maier, H.Nifenecker, G.Perrin, R.Samama

Title: Capture Radiative de Neutrons Thermiques dans ^{48}Ti

Keyword abstract: NUCLEAR REACTIONS $^{48}\text{Ti}(n,\gamma)$, E = th; measured $\sigma(E\gamma)$, $\gamma\gamma$ -coin, $\gamma\gamma$ -coin, $\gamma\gamma(\theta)$. ^{49}Ti levels deduced J, π , delta. Natural target.

Keynumber: 1968BRZZ

Reference: Program and Theses, Proc.18th Ann.Conf.Nucl.Spectroscopy and Struct.Of At.Nuclei, Riga, p.37 (1968)

Authors: D.L.Broder, B.V.Nesterov, M.V.Panarin, L.P.Khamyanov

Title: Investigation of Capture γ -Rays in ^{59}Co , ^{48}Ti , ^{89}Y and ^{149}Sm with a Ge-Li Spectrometer

Keyword abstract: NUCLEAR REACTIONS ^{48}Ti , ^{59}Co , ^{89}Y , $^{149}\text{Sm}(n,\gamma)$, E=thermal; measured $E\gamma$, $I\gamma$. ^{49}Ti , ^{60}Co , ^{90}Y , ^{150}Sm deduced transitions. Ge(Li) detectors.

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 , $^{207}\text{Pb}(n,\gamma)$, E = thermal; measured E γ ; deduced Q. Natural targets.
