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6 reference(s) found :

Keynumber: 2000DE35

Reference: Nucl.Phys. A675, 559 (2000)

Authors: P.Descouvemont

Title: Microscopic Cluster Study of $^{15,17,19}\text{C}$ Isotopes

Keyword abstract: NUCLEAR STRUCTURE ^{15}C , ^{17}C , ^{19}C ; calculated levels, J, π , spectroscopic properties. Comparison with data.

Keyword abstract: NUCLEAR REACTIONS $^{14}\text{C}(n,\gamma)$, $E(\text{cm})=0.0001-1$ MeV; calculated σ . $^{17}\text{C}(\gamma,n)$, $E=0-5$ MeV; calculated σ and Coulomb dissociation spectrum. $^{19}\text{C}(\gamma,n)$, $E(\text{cm})=0-4$ MeV; calculated Coulomb dissociation spectrum. Comparison with data. Generator coordinate method.

Keynumber: [1999HE33](#)

Reference: Phys.Rev. C60, 064614 (1999)

Authors: H.Herndl, R.Hofinger, J.Jank, H.Oberhummer, J.Gorres, M.Wiescher, F.-K.Thielemann, B.A.Brown

Title: Reaction Rates for Neutron Capture Reactions to C, N, and O Isotopes to the Neutron Rich Side of Stability

Keyword abstract: NUCLEAR REACTIONS $^{13, 14, 15, 16}\text{C}$, $^{15, 16, 17, 18}\text{N}$, $^{18, 19, 20, 21}\text{O}$ (n, γ), $E=\text{stellar}$; analyzed data; deduced capture rates. Comparison with previous results.

Keynumber: 1997MEZQ

Reference: Proc.Intern.on Nuclear Data for Science and Technology, Trieste, Italy, 19-24 May, 1997, G.Reffo, A.Ventura, C.Grandi, Eds., Editrice Compositori, Italy, Pt.2, p.1599 (1997)

Authors: A.Mengoni, T.Nakamura, T.Otsuka, M.Ishihara

Title: Electromagnetic Transitions in Halo Nuclei

Keyword abstract: NUCLEAR REACTIONS ^{10}Be , $^{14}\text{C}(n,\gamma)$, E not given; calculated reaction rates. Transition rates from Coulomb dissociation data.

Keynumber: 1996RE16

Reference: Acta Phys.Pol. B27, 231 (1996)

Authors: H.Rebel

Title: Coulomb Dissociation Experiments of Astrophysical Significance

Keyword abstract: NUCLEAR REACTIONS ^3He , ^7Be , $^6, ^7\text{Li}$, $^{12, 14}\text{C}$, $^{16, 15}\text{O}$, $^{14}\text{N}(\alpha,\gamma)$, $^9, ^7\text{Be}$, ^6Li , $^{10, 11}\text{B}$, $^{11, 12}\text{C}$, ^{16}O , ^{13}N , ^{20}Ne , $^{31}\text{S}(p,\gamma)$, $^4\text{He}(d,\gamma)$, (t, γ), $^{12, 14}\text{C}(n,\gamma)$, E not given; compiled, reviewed capture reactions accessible to fast projectile Coulomb dissociation studies.

Keynumber: 1994BE29

Reference: Acta Phys.Pol. B25, 629 (1994)

Authors: H.Beer

Title: Neutron Capture Rates of Light Isotopes for Inhomogeneous Big Bang Nucleosynthesis

Keyword abstract: NUCLEAR REACTIONS $^{107, 109}\text{Ag}$, ^{22}Ne , ^{14}C , ^{18}O , $^{15}\text{N}(n,\gamma)$, $E=\text{thermal}$; measured γ -spectra, σ . $^{194, 196, 198}\text{Pt}(n,\gamma)$, $E=\text{thermal}$; measured isomeric σ ratio. Fast cyclic activation technique, targets of Kr, Xe also studied.

Keynumber: 1992BE05

Reference: Astrophys.J. 387, 258 (1992)

Authors: H.Beer, M.Wiescher, F.Kappeler, J.Gorres, P.E.Koehler

Title: A Measurement of the $^{14}\text{C}(n,\gamma)^{15}\text{C}$ Cross Section at a Stellar Temperature of $kT = 23.3$ keV

Keyword abstract: NUCLEAR REACTIONS $^{14}\text{C}(n,\gamma)$, $E=\text{low}$; measured $E\gamma, I\gamma$; deduced capture σ at $kT=23.3$ keV. High resolution hyperpure Ge detector.
