^{10}B(p,α) 2002Ti10,1974Aj01

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Hu, Tilley, Kelley, Godwin et al.	NP A708, 3 (2002)	23-Aug-2001

1950Va01: ^{10}B(p,α) E=1.79 MeV, measured ground state and first excited state of ^{7}Be.
1955Re16: ^{10}B(p,α) E=6.05, 8.78 MeV, measured α spectra for θ= 30, 60, 120°. ^{7}Be deduced levels.
1964Je01: ^{10}B(p,α) E_P=2.8-7.0 MeV, measured angular distribution. Deduced nuclear properties.
1979Ri12: ^{10}B(p,$\alpha\gamma$) E=2.0-4.1 MeV, measured E_γ, I_γ.
1986Ha27: ^{10}B(p,α) E=18-45 MeV, measured σ(E,θ). ^{7}Be levels spectroscopic factors.
1991Yo04: ^{10}B(p,α) E=120-480 keV, measured σ(E,θ) deduced σ(E), astrophysical S-factor, thermonuclear reaction rate.
1993An06: ^{10}B(p,α) $E_{C.M.}$=17-134 keV, measured spectra, α yield, deduced absolute astrophysical S-factor vs E, electron screening role.

^{7}Be Levels

E(level)
0
428.89 *13*
4.72×10^{3} *8*
6.27×10^{3} *10*
7.21×10^{3} *10*
14.6×10^{3}? *3*