^{10}Be(p,γ) res 1970Go04,1973Go09

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, C. G. Sheu	NP A880,88 (2012)	1-Jan-2011

1970Go04,1973Go09: ^{10}Be(P,γ) E=0.6-6.3 MeV, measured σ(E,E$_\gamma$,$\theta(\gamma)$). ^{11}B deduced isobaric analog resonances, J, π, Γ-level.
2006Fo14: ^{10}Be(p,γ), E≈0.5-2.5 MeV; analyzed data. ^{11}B deduced resonance energy, width.
2007Ba54: ^{10}Be(p,γ), E<2.1 MeV; analyzed cross sections. ^{11}B deduced level widths.

^{11}B Levels

E(level)	J$^\pi$	T$_{1/2}$	Comments
0	3/2$^-$		
2.12×10^3	1/2$^-$		
12.18×10^3? *4*		230 keV *90*	
12.56×10^3 *3*	1/2$^+$,(3/2$^+$)	230 keV *65*	T=3/2; $\Gamma_{\gamma0}$=10 eV *+7−5*; $\Gamma_{\gamma1}/\Gamma_{\gamma0}$=0.25 *8*
12.91×10^3 *2*	1/2$^-$	235 keV *27*	T=3/2; $\Gamma_{\gamma0}$=29 eV *9*; $\Gamma_{\gamma1}/\Gamma_{\gamma0}$<0.06
14.33×10^3 *2*	5/2$^{(+)}$,(3/2$^-$)	255 keV *36*	T=3/2; $\Gamma_{\gamma0}$=14.5 eV *43*; $\Gamma_{\gamma1}/\Gamma_{\gamma0}$<0.1
15.32×10^3 *9*		635 keV *180*	T=3/2