^{11}B(E,E′π^+) 1995Ya01

History

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

1995Ya01: ^{11}Be(e,π^+), E=200 MeV; measured $\sigma(\theta)$; deduced $\sigma(\gamma,\pi^+)$. ^{11}Be levels deduced E1 transition strength. DWIA analysis.

^{11}Be Levels

E(level)	J^π	B(E1) fm^2	Comments
0	$1/2^+$	0.11	
320			
2700	$(3/2^+,5/2^+)$		B(E1)=0.022 or 0.015.
5200	$(3/2^+,5/2^+)$		B(E1)=0.052 or 0.035.
6800	$1/2^+$	0.31	
9400	$(3/2^+,5/2^+)$		B(E1)=0.13 or 0.085.
12000	$1/2^+$	0.56	an unidentified state between 12.0 and 16.4 MeV is found to have $J^\pi=(3/2^+,5/2^+)$ and E1 strength=0.067 or 0.047 fm^2.
16400	$(3/2^+,5/2^+)$		B(E1)=0.10 or 0.07.
17500	$(3/2^+,5/2^+)$		B(E1)=0.13 or 0.09.