$^{11}\text{B}(p,^{3}\text{He})$ **1988Aj01**

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, C. G. Sheu, J. L. Godwin, et al.	NP A745 155 (2004)	31-Mar-2004

1971Ha10: $^{11}\text{B}(p,^{3}\text{He})$ E=45 keV, measured $\sigma(E(^{3}\text{He}),\theta)$. ^{9}Be deduced levels J, π, T, L, isobaric analogs.

1971Ka21: $^{11}\text{B}(p,^{3}\text{He})$ E=40 MeV, measured $\sigma(E(^{3}\text{He}),\theta(^{3}\text{He}))$.

1974Ka15: $^{11}\text{B}(p,^{3}\text{He})$ E=42 MeV, measured $\sigma(E(^{3}\text{He}),E_{P'})$, Q. ^{9}Be deduced levels.

1977Av01: $^{11}\text{B}(p,^{3}\text{He})$ E=660 MeV, measured absolute σ.

1983Ri01: $^{11}\text{B}(\text{pol. }p,^{3}\text{He})$ E=22-23 MeV, measured $A(\theta)$.

^{9}Be Levels

E(level)	J^{π}	Comments
0.0		
2.4×10^{3}		
3.1×10^{3}		
11.8×10^{3}	$(3/2^{-})$	J^{π}: (1971Ha10) suggests that this is the $J^{\pi}=3/2^{-}$, T=1/2 analog to $^{9}\text{B}^{*}(12.06)$.
13.8×10^{3}	$(3/2^{-})$	J^{π}: (1971Ha10) suggests that this is the $J^{\pi}=3/2^{-}$, T=1/2 analog to $^{9}\text{B}^{*}(14.01)$.
14392.2 *18*		T=3/2
		E(level): from (1974Ka15). Deduced mass excess of 25740.6 keV *17*. This value is related to the ^{10}B mass excess and level energies and ^{9}Be mass excess, which have varied since the original published value. At that time mass excesses for ^{10}B and ^{9}Be were were 12052.3 keV *4* and 11348.4 keV *6*, respectively (1971Wa37). The level energy that was deduced In (1974Ka15) was 14392.2, but this value has changed.
15.13×10^{3}?		E(level): from (1971Ha10).
15.96×10^{3} *4*	$(3/2^{-})$	T=1/2
		E(level): from (1971Ha10).
		J^{π}: (1971Ha10) suggests that this is the $J^{\pi}=3/2^{-}$, T=1/2 analog to $^{9}\text{B}^{*}(12.06)$.