^{6}Li(^{6}Li,t) 2004Ti06

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

1990Le05: ^{6}Li(^{6}Li,t) E=2-16 MeV, measured $\sigma(\theta)$, I_{γ}(THETA). Deduced fusion σ(E), reaction mechanism.
1995Ti06: ^{6}Li(^{6}Li,t) E=56 MeV, measured ^{8}Be + P relative energy spectra. ^{9}B deduced levels, parameters.

^{9}B Levels

E(level)	J^{π}	$T_{1/2}$	Comments
0			
1.6×10^{3} *1*		770 keV	E(level): Γ, from (1995Ti06). The authors of (1995Ti06) have the cleanest of all spectra showing the≈1.6 MeV state. The authors most difinitively claim that the first excited state of ^{9}B has an energy that is≥0.60 MeV (and less than 2.0 MeV). Their χ-squared analysis indicates a best fit with E=1.6 MeV *1*; however, they suggest that more measurements are necessary.
2.79×10^{3}	$5/2^{+}$		
≈2.91×10^{3}	$1/2^{-}$	≈3.03 MeV	E(level): from (1995Ti06). Γ: from (1995Ti06).