$^{2}H(^{9}Li,P)$ 2003Sa07

History

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

2003Sa07: $^{2}H(^{9}Li,P)$ E=20 MeV/nucleon, measured particle spectra, (fragment)P-coin, angular distributions. ^{10}Li deduced ground-state mass excess lower limits. ^{10}Li deduced neutron decay branching ratio, resonance features. S800 spectrograph.
2004Be57: $^{2}H(^{9}Li,P)$ E=2.36 MeV/nucleon, measured particle spectra. ^{10}Li deduced excited states features.
2004Je08: $^{2}H(^{9}Li,P)$ E=2.36 MeV/nucleon, measured excitation energy spectrum. ^{10}Li deduced excited state.

^{10}Li Levels

E(level)	$T_{1/2}$	Comments
$<0.2\times10^{3}$?		E(level): from $E_{REL.}$(9LI + N)<0.2 MeV (2003Sa07).
0.32×10^{3} *11*	<0.32 MeV	E(level): from $E_{REL.}$(9LI + N)=0.35 MeV *11* (2003Sa07). The Q(β^{-})Value spectrum is best fit with a single peak At E_{rel}=0.35 MeV *11*, but two resonances At E_{rel}<0.2 MeV and 0.77 MeV *24* also provide a reasonable fit.
0.74×10^{3}? *24*		E(level): from $E_{REL.}$(9LI + N)=0.77 MeV *24* (2003Sa07).