^{7}Li(t,p) 1964Mi04,1971Yo04,1978Aj02

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

1971Yo04: ^{7}Li(t,p) E=15, 19 MeV, measured $\sigma(E_P,\theta)$. ^{9}Li deduced levels, Γ, J, π.
1973Ab10: ^{7}Li(t,p) E=2-8 MeV, measured σ(E).
1978Aj02: ^{7}Li(t,p) E=23 MeV, measured $\sigma(E_P,\theta)$. ^{9}Li deduced levels, J, π, Γ.
1979Ab11: ^{7}Li(t,p) E=5.43-5.95 MeV, measured σ(E).
1986Ab10: ^{7}Li(t,p) E=5-13 MeV, analyzed σ(E).
1987Ab15: ^{7}Li(t,p) E≈5.7-8.5 MeV, analyzed σ(E).
1990Gu36: ^{7}Li(t,p) E<9.339 MeV, analyzed σ(E).

^{9}Li Levels

E(level)	J^{π}	$T_{1/2}$	L	Comments
0.0	$3/2^{-}$		0	J^{π}: from (1971Yo04).
2691. *5*	$(1/2^{-})$			E(level): from (1964Mi04). J^{π}: from (1971Yo04). The authors of (1971Yo04) indicate "It appears plausible that the newly observed levels At 4.31, 5.4 and 6.41 MeV correspond to the predicted $J^{\pi}=5/2^{-}$, $3/2^{-}$ and $7/2^{-}$ states. IT is clear, however, that a conclusive answer must await additional experimental INFORMATION.".
4.31×10^{3} *2*		100 keV *30*		E(level): 4.31 MeV *3* (1971Yo04) 4.31 MeV *2* (1978Aj02). Γ: 0.25 MeV *3* (1971Yo04) 100 keV *30* (1978Aj02).
5.38×10^{3} *6*		0.6 MeV *1*		E(level): 5.38 MeV *6* (1971Yo04). Γ: 0.6 MeV *1* (1971Yo04).
6430. *15*	≥9/2	40 keV *20*		E(level): 6.41 MeV *2* (1971Yo04) 6.435 MeV *20* (1978Aj02). Γ: <0.1 MeV (1971Yo04) 40 keV *20* (1978Aj02). J^{π}: from (1978Aj02).