

Table 7.2 from (1974AJ01): ${}^7\text{Li}$ levels from ${}^3\text{H} + {}^4\text{He}$

E_x (MeV \pm keV)	J^π	l_α	LS term	R (fm)	θ_α^2 ^a	$\theta_{n_0}^2$	$\theta_{n_1}^2$ ^b	Refs.
4.65 \pm 50	$\frac{7}{2}^-$	3	${}^2\text{F}_{7/2}$	4.0	0.57 \pm 0.04			(1967SP10)
4.65 \pm 20	$\frac{7}{2}^-$	3	${}^2\text{F}_{7/2}$	4.4	0.37			(1968IV01)
6.64 \pm 100	$\frac{5}{2}^-$	3	${}^2\text{F}_{5/2}$	4.0	1.36 \pm 0.13	0.000 \pm 0.002		(1967SP10)
6.79 \pm 90	$\frac{5}{2}^-$	3	${}^2\text{F}_{5/2}$	4.4	0.52			(1968IV01)
7.47 \pm 30	$\frac{5}{2}^-$	3	${}^4\text{P}_{5/2}$	4.0	0.011 \pm 0.001	0.26 \pm 0.02		(1967SP10)
9.67 \pm 100	$\frac{7}{2}^-$	3	${}^4\text{D}_{7/2}$	4.0	0.53 \pm 0.22		2.3 \pm 0.7	(1967SP10)

^a $\gamma^2 / (\frac{3}{2} \hbar^2 / \mu a^2)$.

^b To ${}^6\text{Li}^*(2.19)$.