

Table 7.3 from (2002TI10): ${}^7\text{Li}$ levels from ${}^3\text{H} + {}^4\text{He}$ ^a

E_x (MeV \pm keV)	J^π	l_α	LS term	R (fm)	θ_α^2 ^b	$\theta_{n_0}^2$ ^c
4.65 \pm 20	$\frac{7}{2}^-$	3	${}^2\text{F}_{7/2}$	4.0	0.57 \pm 0.04	
{ 6.64 \pm 100 6.79 \pm 90	$\frac{5}{2}^-$	3	${}^2\text{F}_{5/2}$	4.0	1.36 \pm 0.13	0.000 \pm 0.002
	$\frac{5}{2}^-$	3	${}^2\text{F}_{5/2}$	4.4	0.52	
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
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 ^d

^a For references see [Table 7.3 in \(1979AJ01\)](#).

^b $\gamma_\lambda^2 2\mu R^2 / 3\hbar^2$.

^c See [reaction 3: \${}^3\text{H}\(\alpha, n\){}^6\text{Li}\$](#) .

^d $\theta_{n_1}^2$ to ${}^6\text{Li}^*(2.19)$.