

Table 7.1 from (66LA04): Energy levels of ${}^7\text{Li}$

E_x (MeV \pm keV)	$J^\pi; T$	Γ (keV)	Decay	Reactions
g.s.	$\frac{3}{2}^-; \frac{1}{2}$		stable	1, 3, 4, 9, 10, 22, 26, 28, 29
0.4779 ± 0.3	$\frac{1}{2}^-; \frac{1}{2}$	6.2 ± 0.3 meV	γ	1, 3, 4, 9, 10, 13, 15, 17, 20, 21, 22, 26, 27, 28, 29
4.629 ± 8	$\leq \frac{7}{2}^-; \frac{1}{2}$	93 ± 8	α, t	9, 15, 16, 17, 20, 21, 26, 28
(6.56 ± 120)	$(\frac{5}{2}^-); \frac{1}{2}$	≈ 1000		15, 16, 17
7.475 ± 4	$\frac{5}{2}^-; \frac{1}{2}$	89 ± 7	n, α , t	5, 8, 9, 14, 15, 16, 17, 20, 26, 28
(9.7)			γ , n, t	14, 16, 17
11.13 ± 0.05	$(\frac{3}{2}^-; \frac{3}{2})$	268 ± 30	γ , n, t	14, 15, 26
(12.5)			γ , n, p	14, 15
(14)			γ , n, p, t	14, 15
(15.5) ^a			γ , n, p	14
(16.8) ^a			γ , n	14
(17.3)			γ , n	14
(19.6) ^a			γ , t	14

^a Giant resonance.