

Table 7.1 from (59AJ76): Energy levels of ${}^7\text{Li}$

E_x in ${}^7\text{Li}$ (MeV)	J^π	τ_m (sec) or Γ (keV)	Decay	Reactions
0	$\frac{3}{2}^-$		stable	1, 3, 4, 9, 10, 17, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 31
0.4780 ± 0.0003	$\frac{1}{2}^-$	$\tau_m = (0.9 \pm 0.1) \times 10^{-13}$	γ	1, 3, 4, 9, 10, 16, 17, 19, 23, 24, 25, 28, 30, 31
4.630 ± 0.01	$(\leq \frac{7}{2}^-)$	93 ± 8	t, α	9, 18, 19, 23, 30, 31
6.54 ± 0.02	$(\frac{1}{2}^+, \frac{3}{2}^+)$	broad	t, α	(5), 9, 18, 19
7.47 ± 0.01	$\frac{5}{2}^-$	141 ± 20	n, α , t	5, 6, 9, 18, 19, 30
(9.6)			γ , n, t, α	12, 15, 18, 19
(10.8)			γ , n, t, α	12, 15
12.4			γ , n	12
14.0			γ , n	12
16.2			γ , t, α	15
17.5			γ , n	12, 19
(21.5)			γ , t, α	15, 19
(23.5)			γ , t, α	15