

Table 7.1 from (74AJ01): Energy levels of ${}^7\text{Li}$

E_x (MeV \pm keV)	$J^\pi; T$	τ_m or $\Gamma_{c.m.}$ (keV)	Decay	Reactions
g.s.	$\frac{3}{2}^-; \frac{1}{2}$	—	stable	1, 4, 6, 12, 13, 16, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54
0.477611 ± 0.012	$\frac{1}{2}^-; \frac{1}{2}$	$\tau_m = 105 \pm 5$ fsec	γ	6, 12, 13, 16, 18, 19, 20, 22, 23, 24, 27, 30, 33, 35, 38, 42, 43, 45, 47, 49, 50, 51, 53, 54
4.633 ± 8	$\frac{7}{2}^-; \frac{1}{2}$	$\Gamma = 93 \pm 8$ keV	t, α	3, 12, 18, 19, 20, 21, 22, 23, 24, 33, 35, 38, 39, 42
6.675 ± 54	$\frac{5}{2}^-; \frac{1}{2}$	875^{+200}_{-100} keV	t, α	3, 18, 20, 21, 24, 35
7.467 ± 4	$\frac{5}{2}^-; \frac{1}{2}$	89 ± 7 keV	n, t, α	2, 3, 7, 11, 12, 18, 20, 24, 33, 35, 42
9.61 ± 81	$\frac{7}{2}^-; \frac{1}{2}$	broad	n, t, α	2, 3, 12, 35
10.25 ± 100	$\frac{3}{2}^-; \frac{1}{2}$	1.40 ± 0.10 MeV	n, α	7, 18
11.245 ± 31	$\frac{3}{2}^-; \frac{3}{2}$	258 ± 33 keV	n, p	7, 8, 18, 33
16.8		9.3 MeV	γ , n	17