

Table 6.2 from (1988AJ01): Energy levels of ${}^6\text{Li}$

E_x (MeV \pm keV)	$J^\pi; T$	Γ_{cm} (MeV)	Decay	Reactions
g.s.	$1^+; 0$		stable	1, 2, 3, 4, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54
2.186 ± 2	$3^+; 0$	0.024 ± 0.002	γ, d, α	1, 2, 3, 6, 7, 8, 12, 13, 14, 15, 16, 18, 19, 20, 21, 24, 25, 28, 29, 30, 31, 32, 33, 35, 37, 39, 40, 41, 42, 48, 49
3.56288 ± 0.10	$0^+; 1$	$(8.2 \pm 0.2) \times 10^{-6}$	γ	1, 3, 11, 12, 13, 15, 16, 17, 18, 20, 29, 31, 32, 33, 35, 37, 54
4.31 ± 22	$2^+; 0$	1.7 ± 0.2^a	γ, d, α	1, 6, 12, 13, 15, 16, 24, 31, 35, 48
5.366 ± 15	$2^+; 1$	0.540 ± 0.020	γ, n, p, α	1, 12, 15, 31, 32, 33, 35
5.65 ± 50	$1^+; 0$	1.5 ± 0.2	d, α	6, 15, 33, 35
(15.8)	$3^+; 0$	17.8 ± 0.8	d, α	6
21.0	$2^-; 1$	broad	$t, {}^3\text{He}$	1
21.5	$0^-; 1$	broad	$t, {}^3\text{He}$	1
(23 ± 2000)	$4^+; 0$	12 ± 2	d, α	1, 6
25.0 ± 1000	$4^-; 1$	≈ 4	$\gamma, n, t, {}^3\text{He}$	1
26.6 ± 400^b	$3^-; 0$	broad	$\gamma, n, d, t, {}^3\text{He}, \alpha$	1
(31)	(3^+)	broad	$d, t, {}^3\text{He}, \alpha$	1

^a See also Tables 6.4 and 6.5.

^b See also Table 6.3. For other possible states at high E_x see reactions 6, 31, 33 and 38.