

Table 6.5 from (74AJ01): Levels of ${}^6\text{Li}$ from ${}^6\text{Li}(e, e')$ and ${}^6\text{Li}(\gamma, \gamma')$ ^a

E_x (MeV)	$J^\pi; T$	Γ_{γ_0} (eV)	Type	$\Gamma_{\gamma_0}/\Gamma_w$	Refs.
2.183 ± 0.009 ^g	$3^+; 0$	$(4.40 \pm 0.34) \times 10^{-4}$	E2	16.5	(EI69) ^f
		$(3.9 \pm 0.5) \times 10^{-4}$	E2	14.4	(AR67A)
3.563 ± 0.010	$0^+; 1$	8.31 ± 0.36	M1	8.8	(EI69) ^f
		8.9 ± 0.4	M1	9.4	(AR67A)
		8.1 ± 0.5 ^b	M1	8.6	(RA69B)
4.27 ± 0.04	$2^+; 0$	$(5.4 \pm 2.8) \times 10^{-3}$	E2	7.2	(EI69) ^h
5.37 ^c	$2^+; 1$	0.16	M1		(BA63F)
e		0.19 ± 0.04 ^d	M1		(HU70E)

^a See Table 6.6 in (66LA04) for earlier references.

^b From ${}^6\text{Li}(\gamma, \gamma')$.

^c $E_x = 5.32 \pm 0.05$ MeV, $\Gamma = 330_{-40}^{+120}$ keV (HU69E), $E_x = 5.38 \pm 0.02$ MeV, $\Gamma = 530 \pm 30$ keV (HU70E), $E_x = 5.41 \pm 0.04$ MeV, $\Gamma = 540 \pm 30$ keV (NE71A), $\Gamma = 440 \pm 100$ keV (EI69). The excitation of this state shows a transverse angular dependence (EI69).

^d Probable value, but 0.08 ± 0.04 eV cannot be excluded: see (HU70E).

^e For possible transitions from higher states, see (BA63F) and (66LA04: Table 6.6). However, see discussion in reaction 10 (CA73).

^f See also (EI68B).

^g $B(E2; 1^+ \rightarrow 3^+) = 24 e^2 \cdot \text{fm}^4$ (DI71D; Coulomb excitation).

^h $\Gamma = 690 \pm 120$ keV.