

Table 6.4 from (1979AJ01): 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)	Multipolarity	Refs.
2.183 ± 0.009 ^b	$3^+; 0$	$(4.40 \pm 0.34) \times 10^{-4}$	E2	(1969EI06)
3.563 ± 0.010	$0^+; 1$	8.31 ± 0.36	M1	(1969EI06)
		8.1 ± 0.5 ^c	M1	(1969RA20)
		8.16 ± 0.19	M1	(1975BE42)
4.27 ± 0.04	$2^+; 0$	$(5.4 \pm 2.8) \times 10^{-3}$	E2	(1969EI06) ^d
5.37 ^e	$2^+; 1$	0.19 ± 0.04 ^f	M1	(1970HU09)

^a See also Tables 6.5 in (1974AJ01) and 6.6 in (1966LA04).

^b $B(E2)\uparrow = 21.8 \pm 0.8 e^2 \cdot \text{fm}^4$ (1974YE01).

^c From (γ, γ') .

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

^e $E_x = 5.32 \pm 0.05$ MeV, $\Gamma = 330^{+120}_{-40}$ keV (1969HU05), $E_x = 5.38 \pm 0.02$ MeV, $\Gamma = 530 \pm 30$ keV (1970HU09), $E_x = 5.41 \pm 0.04$ MeV, $\Gamma = 540 \pm 30$ keV (1971NE03), $\Gamma = 440 \pm 100$ keV (1969EI06). The excitation of this state shows a transverse angular dependence (1969EI06).

^f Probable value but 0.08 ± 0.04 eV cannot be excluded: see (1970HU09).