

Table 7.5 from (1984AJ01): Levels of  ${}^7\text{Li}$  from  ${}^7\text{Li}(e, e')$  <sup>a</sup>

$E_x$ (MeV)	$J^\pi; T$	$\Gamma_{\gamma_0}$ (eV)	Type	$\Gamma_{\gamma_0}/\Gamma_W$
0.48	$\frac{1}{2}^-; \frac{1}{2}$	$(2.8 \pm 1.6) \times 10^{-7}$	E2	17
		$(6.30 \pm 0.31) \times 10^{-3}$	M1	2.8
$4.63 \pm 0.05$ <sup>b</sup>	$\frac{7}{2}^-; \frac{1}{2}$		E2 <sup>d</sup>	
$6.6 \pm 0.1$ <sup>c</sup>	$\frac{5}{2}^-; \frac{1}{2}$		E2	
$7.5 \pm 0.08$	$\frac{5}{2}^-; \frac{1}{2}$	$0.6 \pm 0.3$	E2	
		$0.9 \pm 0.4$ <sup>e</sup>		

<sup>a</sup> For a summary of  $B(E2\uparrow)$  measurements, see Table 7.6 in (1966LA04) and  ${}^7\text{Li}$ , the “GENERAL” section. For references see (1979AJ01). See also (1982PE06, 1983LI07).

<sup>b</sup>  $B(E2\uparrow)[\frac{3}{2}^- \rightarrow \frac{7}{2}^-] = 17.5 e^2 \cdot \text{fm}^4$  (1982PE06).

<sup>c</sup>  $\Gamma_{\text{c.m.}} = 875_{-100}^{+200}$  keV.

<sup>d</sup> Purely longitudinal.

<sup>e</sup> From  ${}^7\text{Li}(\gamma, n)$ .