

Table 7.6 from (66LA04):  
Electromagnetic transitions in  ${}^7\text{Li}$  from  ${}^7\text{Li}(e, e')$  and Coulomb excitation

$E_x$ (MeV)	$J^\pi$	$B(E2\uparrow)$ (fm <sup>4</sup> )	$(2J + 1)\Gamma_\gamma$	References
0.48 <sup>a</sup>	$\frac{1}{2}^-$	$6.8 \pm 1$ $7.3 \pm 1.5$ $7.6 \pm 1.1$		(BE63J) (ST60) (RI62A)
4.63 (5.7) <sup>b</sup>	$(\frac{7}{2}^-)$	$15.5 \pm 0.8$ (4.1 $\pm$ 2)		(BE63J, BE63R) (BE63J, BE63R)
6.8	$(\frac{5}{2}^-)$	$12.5 \pm 1.2$ <sup>c</sup>		(BE63J, BE63R)
7.5 (10.5) (12.5) (14.0)	$\frac{5}{2}^-$	$2.5^{+0.5}_{-1.0}$	$3.6 \pm 2$ <sup>d</sup> $38 \pm 10$ $62 \pm 25$	(BE63J, BA63F) (BA63F) (BA63F) (BA63F)

<sup>a</sup> See also Table 7.4.

<sup>b</sup> Possibly due to  ${}^7\text{Li} \rightarrow \alpha + t$  (BI64C).

<sup>c</sup>  $B(M1\uparrow) = 6.9 \times 10^{-3} \text{ fm}^2$  (BE63J).

<sup>d</sup>  $\Gamma_\gamma = 0.9 \pm 0.4 \text{ eV}$  (GR64J).