

Table 8.7 from (1979AJ01): Electromagnetic transitions in  ${}^8\text{Be}^a$

Transition	$\Gamma_\gamma$ (eV)	$ M ^2$ (W.u.)	Refs.
17.6 $\rightarrow$ 0	16.7	0.15	see (1974AJ01)
17.6 $\rightarrow$ 2.9	$8.15 \pm 0.07$ (M1) <sup>b</sup>	0.12	(1961ME10)
	$0.15 \pm 0.07$ (E2)		(1961ME10)
17.6 $\rightarrow$ 16.6	$0.032 \pm 0.003$ <sup>c</sup>	$1.48 \pm 0.15$ (M1)	(1969SW01)
17.6 $\rightarrow$ 16.9	$0.0013 \pm 0.0003$	$0.15 \pm 0.04$ (M1)	(1969SW01)
18.15 $\rightarrow$ 0	3.0		(1976FI1C)
18.15 $\rightarrow$ 2.9	3.8		(1976FI1C)
18.15 $\rightarrow$ 16.6	$0.077 \pm 0.019$	$1.04 \pm 0.26$ (M1)	(1969SW01)
18.15 $\rightarrow$ 16.9	$0.062 \pm 0.007$	$1.51 \pm 0.17$ (M1)	(1969SW01)
18.9 $\rightarrow$ 16.6	0.168	0.053 (E1)	(1969SW01)
18.9 $\rightarrow$ 16.9	0.099	0.045 (E1)	(1969SW01)
19.07 $\rightarrow$ 2.9	10.5		(1976FI1C)

<sup>a</sup> See also Table 8.7 in (1974AJ01) and reaction 2 here.

<sup>b</sup> (1967CO19) report  $\delta(\text{E2/M1}) = 0.21 \pm 0.04$ , averaged over the energy of the final state.

<sup>c</sup> Nearly pure M1:  $\delta(\text{E2/M1}) = -0.014 \pm 0.013$  (1969SW02).