

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

Transition	Γ_γ (eV)	$ M ^2$ (W.u.)	Refs.
17.6 \rightarrow 0	16.7	0.15	see (1974AJ01)
17.6 \rightarrow 2.9	8.15 ± 0.07 (M1) ^b	0.12	(1961ME10)
	0.15 ± 0.07 (E2)		(1961ME10)
17.6 \rightarrow 16.6	0.032 ± 0.003 ^c	1.48 ± 0.15 (M1)	(1969SW01)
17.6 \rightarrow 16.9	0.0013 ± 0.0003	0.15 ± 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 ± 0.019	1.04 ± 0.26 (M1)	(1969SW01)
18.15 \rightarrow 16.9	0.062 ± 0.007	1.51 ± 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)

^a See also Table 8.7 in (1974AJ01) and reaction 2 here.

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

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