

Table 9.3 from (1966LA04):
Electromagnetic transitions in ${}^9\text{Be}$

Transition	Remarks	Reactions
1.67 $\rightarrow$ g.s.	$\Gamma(\text{E1}) = 4.5 \text{ eV}$	18
2.43 $\rightarrow$ g.s.	$\Gamma(\text{M1}) = 0.12 \text{ eV}$	18
	$\Gamma(\text{E2}) = 2.6 \times 10^{-3} \text{ eV}$	18
6.66 $\rightarrow$ g.s.	$\Gamma(\text{E2}) = 0.109 \text{ eV}$	18
14.39 $\rightarrow$ g.s.	$\Gamma(\text{M1}) = 18 \text{ eV}$	18
14.39 $\rightarrow$ 2.43	$\Gamma_\gamma = 31 \text{ eV}$	10, 18
16.97 $\rightarrow$ g.s.	rel. intensity = 100	4
$\rightarrow$ 1.67	8.5	4
$\rightarrow$ 2.43	10.6	4
$\rightarrow$ 3.03	≤ 4.5	4
$\rightarrow$ 4.70	9.6	4
20.47 $\rightarrow$ g.s.		15
20.73 $\rightarrow$ g.s.		15
22.4 $\rightarrow$ g.s.	giant resonance: $\Gamma \approx 4.7 \text{ MeV}$	16