

Table 7.4 from (1959AJ76): Energy levels of ${}^7\text{Be}$

E_x in ${}^7\text{Be}$ (MeV)	J^π	τ or Γ (keV)	Decay	Reactions
0	$\leq \frac{3}{2}^-$	$\tau_{1/2} = 53.37 \pm 0.11 \text{ d}$	ϵ	1, 5, 9, 13, 16, 18
0.431 ± 0.002	$\frac{1}{2}^-$	$\tau_m = (2.7 \pm 1.0) \times 10^{-13} \text{ sec}$	γ	5, 9, 13, 18
4.53 ± 0.02	$\frac{7}{2}^-$	102	${}^3\text{He}, \alpha$	3, 13, 18
6.35 ± 0.1	$(\frac{3}{2}^+)$	≈ 1000	$\text{p}, {}^3\text{He}, \alpha(\gamma)$	5, 7, 9, 18
7.18 ± 0.06	$(\frac{5}{2}^-)$	575	$\text{p}, {}^3\text{He}, \alpha$	7, 9, 13, 18
(14.6 ± 0.3)				18