

Table 7.6 from (79AJ01): Energy levels of ${}^7\text{Be}$

E_x (MeV \pm keV)	$J^\pi; T$	τ or $\Gamma_{\text{c.m.}}$	Decay	Reactions
g.s.	$\frac{3}{2}^-; \frac{1}{2}$	$\tau_{1/2} = 53.29 \pm 0.07$ d	ϵ	1, 2, 4, 5, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35
0.42920 ± 0.10	$\frac{1}{2}^-; \frac{1}{2}$	$\tau_m = 192 \pm 25$ fsec	γ	2, 5, 10, 11, 12, 14, 15, 16, 17, 18, 19, 21, 24, 25, 26, 27, 29, 32, 33, 34, 35
4.57 ± 50	$\frac{7}{2}^-; \frac{1}{2}$	$\Gamma = 175 \pm 7$ keV	${}^3\text{He}, \alpha$	3, 12, 14, 15, 16, 17, 18, 21
6.73 ± 100	$\frac{5}{2}^-; \frac{1}{2}$	1.2 MeV	p, ${}^3\text{He}, \alpha$	3, 9, 10, 14, 17
7.21 ± 60	$\frac{5}{2}^-; \frac{1}{2}$	$\lesssim 0.5$ MeV	p, ${}^3\text{He}, \alpha$	3, 6, 9, 10, 14, 17
9.27 ± 100	$\frac{7}{2}^-; \frac{1}{2}$		p, ${}^3\text{He}, \alpha$	3, 14
9.9	$\frac{3}{2}^-; \frac{1}{2}$	≈ 1.8 MeV	p, ${}^3\text{He}, \alpha$	3, 6
11.01 ± 30	$\frac{3}{2}^-; \frac{3}{2}$	320 ± 30	p, ${}^3\text{He}, \alpha$	3, 6, 14, 17
17	$\frac{1}{2}^-; \frac{1}{2}$	≈ 6.5 MeV	${}^3\text{He}$	3