

Table 7.6 from (1979AJ01): Energy levels of  ${}^7\text{Be}$

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