

Table 9.2 from (1979AJ01): Energy levels of ${}^9\text{Be}$

E_x (MeV \pm keV)	$J^\pi; T$	$\Gamma_{\text{c.m.}}$ (keV)	Decay	Reactions
g.s.	$\frac{3}{2}^-; \frac{1}{2}$		stable	2, 3, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 41, 42, 43, 45, 46, 48, 49, 50, 51, 52, 53, 54, 55, 56
1.680 \pm 15	$\frac{1}{2}^+$	200 \pm 20	γ, n	3, 9, 10, 11, 14, 18, 19, 20, 22, 24, 25, 32, 37, 43, 45
2.4294 \pm 1.3	$\frac{5}{2}^-$	0.77 \pm 0.15	γ, n, α	3, 9, 10, 11, 13, 18, 19, 20, 22, 23, 24, 25, 32, 34, 36, 37, 42, 43, 45, 52, 53
2.78 \pm 120	$\frac{1}{2}^-$	1080 \pm 110	n	3, 9, 13, 52
3.049 \pm 9	$\frac{5}{2}^+$	282 \pm 11	γ, n	9, 11, 14, 18, 19, 20, 21, 22, 24, 25, 32, 37, 42, 43, 45
4.704 \pm 25	$(\frac{3}{2})^+$	743 \pm 55	γ, n	3, 9, 18, 20, 21, 22, 24, 35, 43, 52
6.76 \pm 60	$\frac{7}{2}^-$	1540 \pm 200	γ, n	9, 18, 19, 20, 22, 24, 25, 34
7.94 \pm 80		\approx 1000		20
11.283 \pm 24		575 \pm 50	n	9, 20, 25, 34, 37
11.81 \pm 20	$T = \frac{1}{2}$	400 \pm 30	γ, n	9, 11, 14, 42, 52
13.79 \pm 30	$T = \frac{1}{2}$	590 \pm 60	γ, n	9, 11, 18, 42
14.3926 \pm 1.8	$\frac{3}{2}^-; \frac{3}{2}$	0.329 \pm 0.067	γ, n, α	9, 18, 24, 37, 42
14.4 \pm 300		\approx 800		20, 37
15.10 \pm 50			γ	11, 18, 42
15.97 \pm 30	$T = \frac{1}{2}$	\approx 300	γ	18, 42
16.671 \pm 8		41 \pm 4	γ	9, 18, 37
16.976 \pm 2	$\frac{1}{2}^-; \frac{3}{2}$	< 0.47	γ, n, p, d	3, 4, 5, 14, 18

Table 9.2 from (1979AJ01): Energy levels of ${}^9\text{Be}$ (continued)

E_x (MeV \pm keV)	$J^\pi; T$	$\Gamma_{\text{c.m.}}$ (keV)	Decay	Reactions
17.297 \pm 10	$(\frac{5}{2})^-$	200	γ, n, p, d, α	4, 5, 18
17.490 \pm 9	$\leq \frac{7}{2}^+$	47	γ, n, p, d, α	4, 5, 6, 18
18.02 \pm 50			γ, n	18
18.58 \pm 40			γ, n, p, d, α	4, 5, 14, 18
19.20 \pm 50		310 \pm 80	p, d	5
19.51 \pm 50			γ, n	14, 18
(19.9 \pm 200)			γ, n	14
(20.47 \pm 40)			γ, p, d	5, 14
20.74 \pm 30		\approx 1000	γ, n, p, t	1, 14, 18, 20
(21.4 \pm 200)			γ, n	14, 18, 20
(22.4 \pm 200)		broad	γ, n	14, 18, 20
(23.8 \pm 200)			γ, n	14, 35
(27.0 \pm 500)		broad	γ, n	14