

Table 9.1 from (59AJ76): Energy levels of  ${}^9\text{Be}$

$E_x$ in ${}^9\text{Be}$ (MeV)	$J^\pi; T$	$\Gamma$ (keV)	Decay	Reactions
0	$\frac{3}{2}$		stable	2, 7, 13, 14, 15, 16, 17, 18, 19, 20, 22, 25, 26, 27
$1.75 \pm 0.02$	$\frac{1}{2}^{(+)}$	150	n, $\gamma$	7, 10, 14, 15, 16, 17, 25
$2.430 \pm 0.002$	$(\frac{5}{2}^-)$	< 1	(n), $\alpha$	7, 13, 14, 15, 16, 17, 20, 22, 25, 26
$3.04 \pm 0.016$	$(\leq \frac{3}{2})$	$161 \pm 15$		7, 15, 16, 17, 22, 25
( $4.74 \pm 0.08$ )		1250		7, 15, 16
$6.76 \pm 0.06$				13, 15, 16, 17
( $7.94 \pm 0.08$ )				15
( $9.1 \pm 0.2$ )		1200		7
( $11.3 \pm 0.2$ )				n, $\gamma$
(13.3)			n, $\gamma$	10
(14.5)				15
17.28		200	(d, p, n)	3, 4
17.48		50	(d, p, n)	3, 4, 15
(18.1)		(300)	(d, p, n)	3, 4
(18.6)			(d, p)	3
19.6			(d, p)	3, 15
( $21.7 \pm 0.1$ )			p, $\gamma$ , n	11, 15