

Table 8.5 from (79AJ01):

Some ${}^8\text{Be}$ states with $16.6 < E_x < 23.0$ MeV ^a

E_x (MeV \pm keV)	$\Gamma_{\text{c.m.}}$ (keV)	Reaction	Refs.
16.627 \pm 5	113 \pm 3	${}^7\text{Li}({}^3\text{He}, \text{d})$	(MA67L) ^b
	90 \pm 5	${}^{10}\text{B}(\text{d}, \alpha)$	(NO71D)
16.623 \pm 3	107.7 \pm 0.5	${}^4\text{He}(\alpha, \alpha)$	(HI78) ^c
16.630 \pm 3	108.5 \pm 0.5	${}^4\text{He}(\alpha, \alpha)$	(HI78) ^d
16.626 \pm 3	108.1 \pm 0.5	best value	
16.901 \pm 5	77 \pm 3	${}^7\text{Li}({}^3\text{He}, \text{d})$	(MA67L) ^b
	70 \pm 5	${}^{10}\text{B}(\text{d}, \alpha)$	(NO71D)
16.925 \pm 3	74.4 \pm 0.4	${}^4\text{He}(\alpha, \alpha)$	(HI78) ^c
16.918 \pm 3	73.6 \pm 0.4	${}^4\text{He}(\alpha, \alpha)$	(HI78) ^d
16.922 \pm 3	74.0 \pm 0.4	best value	
17.641 \pm 1.5	10.7 \pm 0.5	${}^7\text{Li}(\text{p}, \gamma)$	Table 8.6 ^a
18.156 \pm 5	147	${}^7\text{Li}(\text{p}, \gamma)$	Table 8.6
18.150 \pm 5	138 \pm 6	${}^{10}\text{B}(\text{d}, \alpha)$	(CA70A)
18.144 \pm 5		${}^9\text{Be}(\text{d}, \text{t})$	(OO77)
18.150 \pm 4	138 \pm 6	best value	
19.06 \pm 20	270 \pm 20	${}^7\text{Li}(\text{p}, \gamma)$	Table 8.6
19.071 \pm 10	270 \pm 30	${}^9\text{Be}(\text{d}, \text{t})$	(OO77)
19.069 \pm 10	270 \pm 20	best value	^h
19.21	208 \pm 30	${}^9\text{Be}(\text{p}, \text{d})$	(KU67C)
19.22 \pm 30	265 \pm 30	${}^9\text{Be}({}^3\text{He}, \alpha)$	(AJ76A) ^g
19.26 \pm 30	220 \pm 30	${}^9\text{Be}(\text{d}, \text{t})$	(OO77)
19.24 \pm 25 ^e	230 \pm 30	best value	
19.86 \pm 50	700 \pm 100	${}^9\text{Be}(\text{d}, \text{t})$	(OO77)

Table 8.5 from (79AJ01):

Some ${}^8\text{Be}$ states with $16.6 < E_x < 23.0$ MeV ^a (continued)

E_x (MeV \pm keV)	$\Gamma_{\text{c.m.}}$ (keV)	Reaction	Refs.
22.05 ± 100 ^f	270 ± 70	${}^9\text{Be}({}^3\text{He}, \alpha)$	(AJ76A)
22.63 ± 100	100 ± 50	${}^9\text{Be}({}^3\text{He}, \alpha)$	(AJ76A)
22.98 ± 100 ^f	230 ± 50	${}^9\text{Be}({}^3\text{He}, \alpha)$	(AJ76A)

^a See also Table 8.5 in (74AJ01) and Tables 8.6, 8.8, 8.9 here.

^b See also (CA70A, PI71E, OO77, HI78).

^c *R*-matrix theory.

^d Complex eigenvalue theory.

^e See also (SU69D): 19.16 ± 0.07 MeV.

^f The states at 22.0 ± 0.15 and 22.9 ± 0.15 reported by (SU69D) in the ${}^9\text{Be}(\text{p}, \text{d})$ reaction have $\Gamma_{\text{c.m.}} \geq 1$ MeV.

^g And private communication.

^h See, however, (BA78G).