

Table 8.5 from (1979AJ01):
Some ^8Be states with $16.6 < E_x < 23.0$ MeV ^a

E_x (MeV \pm keV)	$\Gamma_{\text{c.m.}}$ (keV)	Reaction	Refs.
16.627 ± 5	113 ± 3	$^7\text{Li}(^3\text{He}, \text{d})$	(1967MA12) ^b
	90 ± 5	$^{10}\text{B}(\text{d}, \alpha)$	(1971NO04)
16.623 ± 3	107.7 ± 0.5	$^4\text{He}(\alpha, \alpha)$	(1978HI04) ^c
16.630 ± 3	108.5 ± 0.5	$^4\text{He}(\alpha, \alpha)$	(1978HI04) ^d
16.626 ± 3	108.1 ± 0.5	best value	
16.901 ± 5	77 ± 3	$^7\text{Li}(^3\text{He}, \text{d})$	(1967MA12) ^b
	70 ± 5	$^{10}\text{B}(\text{d}, \alpha)$	(1971NO04)
16.925 ± 3	74.4 ± 0.4	$^4\text{He}(\alpha, \alpha)$	(1978HI04) ^c
16.918 ± 3	73.6 ± 0.4	$^4\text{He}(\alpha, \alpha)$	(1978HI04) ^d
16.922 ± 3	74.0 ± 0.4	best value	
17.641 ± 1.5	10.7 ± 0.5	$^7\text{Li}(\text{p}, \gamma)$	Table 8.6 ^a
18.156 ± 5	147	$^7\text{Li}(\text{p}, \gamma)$	Table 8.6
18.150 ± 5	138 ± 6	$^{10}\text{B}(\text{d}, \alpha)$	(1970CA12)
18.144 ± 5		$^9\text{Be}(\text{d}, \text{t})$	(1977OO01)
18.150 ± 4	138 ± 6	best value	
19.06 ± 20	270 ± 20	$^7\text{Li}(\text{p}, \gamma)$	Table 8.6
19.071 ± 10	270 ± 30	$^9\text{Be}(\text{d}, \text{t})$	(1977OO01)
19.069 ± 10	270 ± 20	best value	^h
19.21	208 ± 30	$^9\text{Be}(\text{p}, \text{d})$	(1976KU10)
19.22 ± 30	265 ± 30	$^9\text{Be}(^3\text{He}, \alpha)$	(1976AJ01) ^g
19.26 ± 30	220 ± 30	$^9\text{Be}(\text{d}, \text{t})$	(1977OO01)
19.24 ± 25 ^e	230 ± 30	best value	
19.86 ± 50	700 ± 100	$^9\text{Be}(\text{d}, \text{t})$	(1977OO01)

Table 8.5 from (1979AJ01):
 Some ${}^8\text{Be}$ states with $16.6 < E_x < 23.0 \text{ MeV}$ ^a (continued)

E_x (MeV \pm keV)	$\Gamma_{\text{c.m.}}$ (keV)	Reaction	Refs.
22.05 ± 100 ^f	270 ± 70	${}^9\text{Be}({}^3\text{He}, \alpha)$	(1976AJ01)
22.63 ± 100	100 ± 50	${}^9\text{Be}({}^3\text{He}, \alpha)$	(1976AJ01)
22.98 ± 100 ^f	230 ± 50	${}^9\text{Be}({}^3\text{He}, \alpha)$	(1976AJ01)

^a See also Table 8.5 in (1974AJ01) and Tables 8.6, 8.8, 8.9 here.

^b See also (1970CA12, 1971PI06, 1977OO01, 1978HI04).

^c *R*-matrix theory.

^d Complex eigenvalue theory.

^e See also (1969SU02): $19.16 \pm 0.07 \text{ MeV}$.

^f The states at 22.0 ± 0.15 and 22.9 ± 0.15 reported by (1969SU02) in the ${}^9\text{Be}(p, d)$ reaction have $\Gamma_{\text{c.m.}} \geq 1 \text{ MeV}$.

^g And private communication.

^h See, however, (1978BA66).