

Table 8.6 from (1988AJ01):
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
16.627 \pm 5	113 \pm 3	${}^7\text{Li}({}^3\text{He}, \text{d})$
	90 \pm 5	${}^{10}\text{B}(\text{d}, \alpha)$
16.623 \pm 3	107.7 \pm 0.5	${}^4\text{He}(\alpha, \alpha)$ ^b
16.630 \pm 3	108.5 \pm 0.5	${}^4\text{He}(\alpha, \alpha)$ ^c
16.626 \pm 3	108.1 \pm 0.5	“best” value
16.901 \pm 5	77 \pm 3	${}^7\text{Li}({}^3\text{He}, \text{d})$
	70 \pm 5	${}^{10}\text{B}(\text{d}, \alpha)$
16.925 \pm 3	74.4 \pm 0.4	${}^4\text{He}(\alpha, \alpha)$ ^b
16.918 \pm 3	73.6 \pm 0.4	${}^4\text{He}(\alpha, \alpha)$ ^c
16.922 \pm 3	74.0 \pm 0.4	“best” value
17.640 \pm 1.0	10.7 \pm 0.5	${}^7\text{Li}(\text{p}, \gamma)$
18.155 \pm 5	147	${}^7\text{Li}(\text{p}, \gamma)$
18.150 \pm 5	138 \pm 6	${}^{10}\text{B}(\text{d}, \alpha)$
18.144 \pm 5		${}^9\text{Be}(\text{d}, \text{t})$
18.150 \pm 4	138 \pm 6	“best” value
19.06 \pm 20	270 \pm 20	${}^7\text{Li}(\text{p}, \gamma)$
19.071 \pm 10	270 \pm 30	${}^9\text{Be}(\text{d}, \text{t})$
19.07 \pm 30	270 \pm 20	“best” value
19.21	208 \pm 30	${}^9\text{Be}(\text{p}, \text{d})$
19.22 \pm 30	265 \pm 30	${}^9\text{Be}({}^3\text{He}, \alpha)$
19.26 \pm 30	220 \pm 30	${}^9\text{Be}(\text{d}, \text{t})$
19.24 \pm 25	230 \pm 30	“best” value
19.86 \pm 50	700 \pm 100	${}^9\text{Be}(\text{d}, \text{t})$
22.05 \pm 100	270 \pm 70	${}^9\text{Be}({}^3\text{He}, \alpha)$
22.63 \pm 100	100 \pm 50	${}^9\text{Be}({}^3\text{He}, \alpha)$
22.98 \pm 100	230 \pm 50	${}^9\text{Be}({}^3\text{He}, \alpha)$

^a See Table 8.5 in (1979AJ01) for references. See also Tables 8.7 and 8.8 here.

^b R -matrix theory.

^c Complex eigenvalue theory.