

Table 12.3 from (2017KE05): States populated in $^{10}\text{Be}(t, p)$

E_x^a (keV)	J^π ^a	Γ ^a (keV)	E_x^b (keV)	E_x^c (keV)
0	0^+		0	0
2111 ± 3	2^+		2110 ± 15	2089 ± 20 $(2240 \pm 20)^d$
2730 ± 3	(0^+)		0	(2712 ± 20)
4580 ± 5	$(2^+, 3^-)^e$	101 ± 17		(4559 ± 25)
5724 ± 6	$(2^+, 3^-, 4^+)^{e, f}$	86 ± 15		5703 ± 25

^a (1994FO08): $E_t = 15$ and 17 MeV.

^b (1978AL10): $E_t = 12$ MeV. $^{12}\text{Be}^*(2.11)$ has $J = 2$ from $(t, p\gamma)$.

^c (1978AL29): $E_t = 12$ MeV.

^d (2003SH06, 2007SH34) confirm this $J^\pi = 0^+$ state.

^e (2011FO04, 2013FO30, 2014FO04) suggest $J^\pi = (3^-)$ and (4^+) for $^{12}\text{Be}^*(4.6, 5.7)$, respectively.

^f $J^\pi = 4^+$ is preferred.