

Table 10.8 from (2004TI06): Levels of ^{10}Be from $^7\text{Li}(\alpha, p)^{10}\text{Be}$ ^a

E_x (MeV)	J^π	Γ_{cm} (keV)	L^c	S_{rel}
0	0^+		1	1.00
3.37	2^+		3	0.067
5.96	$2^+, 1^-$		doublet	
6.18	0^+		1	0.86
6.26	2^-		2	0.53
7.37	3^-		2	0.67
7.54	2^+		3	0.10
9.27	(4^-)		2	0.84
9.64 ± 0.10	(2^+)		3	0.13
10.57	≥ 1		0, 1	0.08, 0.035
11.76	(4^+)		3	0.049
17.12 ± 0.20	(2^-)	≈ 150	0	0.3
17.79	$(2^-)^b$	170	2	1.0
18.55	$(2^-)^b$	380	2	1.0

^a See Table II in (1994HA16).

^b By analogy with ^{10}B states.

^c In some cases, the shell model calculations of Kurath and Millener (1975KU01) suggest different L -values and/or different $2N + L$ values from those used in the DWBA calculations of (1994HA16).