

Table 8.15 from (1966LA04): ${}^8\text{Be}$ levels from ${}^7\text{Li}(p, \alpha){}^4\text{He}$

E_{res} (MeV)	Γ (MeV)	${}^8\text{Be}^*$	$J^\pi; T$	References
3.0	≈ 1	19.9	$2^+; 0$	(1948HE01)
5.6	≈ 1	22.1 ^a	(2^+)	(1961HA27, 1962TE04, 1964MA51)
6.5		23	(4^+)	(1961HA27, 1964MA51)
9.0		25.1	(2^+)	(1964MA51)

^a Possibly same as $E_x = 22.5$ seen in ${}^6\text{Li}(d, \alpha)$: see (1965FR02).