

Table 8.9 from (1984AJ01):
 ^8Be levels from $^7\text{Li}(p, n)^7\text{Be}$ ^a

E_p (MeV)	Γ_{lab} (keV)	$^8\text{Be}^*$ (MeV)	J^π
1.88	55 ± 20	18.90	2^-
2.25	220	19.22	3^+
2.6 ^b	≈ 750	19.5	1^-
3.0	≈ 1250	19.9	(2^+)
4.9	1100	21.5	$3^{(+)}$
5.5	broad	22.1	^c

^a For references see [Table 8.8 in \(1979AJ01\)](#).

^b $\gamma_{n_1}^2$ and $\gamma_{p_1}^2 \approx 1\%$ of the Wigner limit.

^c The broad dip in the n_1 yield at the same energy as the broad bump in the p_1 yield may be due to interference of two 2^+ states.