Table 8.7 from (1988AJ01): ^{8}Be levels from ^{7}Li(p, γ)^{8}Be [a]

E_{res} (keV)	Γ_{lab} (keV)	^{8}Be* (MeV)	l_{p}	J^π	Res. [d]
441.4 ± 0.5 [b]	12.2 ± 0.5	17.640	1	1^+	$\gamma_0, \gamma_1, \gamma_3, \gamma_4$
1030 ± 5	168	18.155	1	1^+	$\gamma_0, \gamma_1, \gamma_3, \gamma_4$
1890	150 ± 50	18.91		(2^-)	γ_3, γ_4
2060 ± 20	310 ± 20	19.06		$J = 1, 2, 3,$	γ_1
				$\pi = (-)$ [c]	
(3100)		(20.0)			γ_1
4900		21.5			γ_1
5000	≈ 4500	21.6	0	$1^-; T = 1$	γ_0
6000		22.5			γ_1
7500	≈ 8000	23.8	(0)	$(1^-, 2^-); T = 1$	γ_1
(11100)		(27.0)			γ_1
13000	broad	28.6			

[a] See Tables 8.6 in (1974AJ01, 1979AJ01) for the references.

[b] See (1959AJ76). See also (1983FI13, 1984JE1B).

[c] See, however, reaction 16.

[d] $\gamma_0, \gamma_1, \gamma_3, \gamma_4$ represent transitions to ^{8}Be*(0, 3.0, 16.6, 16.9), respectively.