

Table 8.13 from (1966LA04):  ${}^8\text{Be}$  levels from  ${}^7\text{Li}(p, n){}^7\text{Be}$

$E_p$ (keV)	$\Gamma_{\text{lab}}$ (keV)	${}^8\text{Be}^*$	$l_p$	$J^\pi$	$\sigma_{\text{max}}$ (b)	$\gamma_n^2/\gamma_p^2$	References
1900	> 500	18.91	0	$2^-$		$\approx 5.0$	(1957NE22, 1961BE05)
2250	220	19.22	1	$3^+$	0.57	5.2	(1957NE22, 1961BE05)
(3000)	> 1000	(19.9)	(1)	$(1^+)$	(n <sub>0</sub> )	(5)	(1957NE22, 1961BE05)
3550	1300	20.36	(0)	$(1^-)$	(n <sub>1</sub> )	5.2	(1961BE05, 1964BU08)
4900	1100	21.5		$3^{(+)}$	0.36	$\approx 1$	(1959GI47, 1963BO06)