

Table 8.14 from (1966LA04):  ${}^8\text{Be}$  levels from  ${}^7\text{Li}(p, p){}^7\text{Li}$  and  ${}^7\text{Li}(p, p'){}^7\text{Li}^*$

$E_p$ (keV)	$\Gamma_{\text{lab}}$ (keV)	${}^8\text{Be}^*$	$l_p$	$J^\pi$	$\Gamma_{p'}$ (keV)	References
441	12.2 <sup>b</sup>	17.64	1	1 <sup>+</sup>		(1953CH1A, 1953WA27)
1030 ± 5	168	18.15	1	1 <sup>+</sup>	≈ 6	(1954MO04, 1955LI1B)
1880 <sup>a</sup>						(1956MA12, 1957NE22)
2100	≈ 0.4	19.0		(3) <sup>c</sup>	small	(1956MA12, 1957NE22)
2250		19.22		3 <sup>+</sup>	small	(1956MA12, 1957NE22)
4200 ± 200	1800 ± 200	20.9		4 <sup>-</sup>	(res)	(1965GL03)
5600		22.2				(1965GL03)

<sup>a</sup> (p, n) threshold.

<sup>b</sup>  $\theta_p^2 = 0.064$ .

<sup>c</sup> (1957NE22: 3<sup>-</sup>), (1956MA12: ≤ 3).