

Table 8.8 from (1974AJ01):  ${}^8\text{Be}$  levels from  ${}^7\text{Li}(p, n){}^7\text{Be}$

$E_p$ (MeV)	$\Gamma_{\text{lab}}$ (keV)	${}^8\text{Be}^*$	$J^\pi$	Refs.
1.88	$55 \pm 20$	18.90	$2^-$	(1974AR10) <sup>a</sup>
2.25	220	19.22	$3^+$	(1957NE1A, 1961BE05)
2.6 <sup>b</sup>	$\approx 750$	19.5	$1^-$	(1972PR03) <sup>a</sup>
3.0	$\approx 1250$	19.9	$(2^+)$	(1972PR03) <sup>a</sup>
4.9	1100	21.5	$3^{(+)}$	(1959GI47, 1963BO06)
5.5	broad	22.1	<sup>c</sup>	(1972PR03)

<sup>a</sup> See also (1966LA04).

<sup>b</sup>  $\gamma_{n_1}^2$  and  $\gamma_{p_1}^2 \approx 1\%$  of the Wigner limit (1972PR03).

<sup>c</sup> 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 (1972PR03).