

Table 8.9 from (84AJ01):  
 $^8\text{Be}$  levels from  $^7\text{Li}(p, n)^7\text{Be}$  <sup>a</sup>

$E_p$ (MeV)	$\Gamma_{\text{lab}}$ (keV)	$^8\text{Be}^*$ (MeV)	$J^\pi$
1.88	$55 \pm 20$	18.90	$2^-$
2.25	220	19.22	$3^+$
2.6 <sup>b</sup>	$\approx 750$	19.5	$1^-$
3.0	$\approx 1250$	19.9	$(2^+)$
4.9	1100	21.5	$3^{(+)}$
5.5	broad	22.1	<sup>c</sup>

<sup>a</sup> For references see [Table 8.8 in \(79AJ01\)](#).

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

<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.