

Table 8.7 from (1984AJ01):  ${}^8\text{Be}$  levels from  ${}^7\text{Li}(p, \gamma){}^8\text{Be}$  <sup>a</sup>

$E_{\text{res}}$ (keV)	$\Gamma_{\text{lab}}$ (keV)	${}^8\text{Be}^*$ (MeV)	$l_p$	$J^\pi$	Res. <sup>d</sup>
$441.4 \pm 0.5$ <sup>b</sup>	$12.2 \pm 0.5$	17.640	1	$1^+$	$\gamma_0, \gamma_1, \gamma_3, \gamma_4$
$1030 \pm 5$	168	18.155	1	$1^+$	$\gamma_0, \gamma_1, \gamma_3, \gamma_4$
1890	$150 \pm 50$	18.91		$(2^-)$	$\gamma_3, \gamma_4$
$2060 \pm 20$	$310 \pm 20$	19.06		$J = 1, 2, 3$ $\pi = (-)$ <sup>c</sup>	$\gamma_1$
(3100)		(20.0)			$\gamma_1$
4900		21.5			$\gamma_1$
5000	$\approx 4500$	21.6	0	$1^-; T = 1$	$\gamma_0$
6000		22.5			$\gamma_1$
7500	$\approx 8000$	23.8	(0)	$(1^-, 2^-); T = 1$	$\gamma_1$
(11100)		(27.0)			$\gamma_1$
13000	broad	28.6			

<sup>a</sup> See Table 8.6 in (1974AJ01, 1979AJ01) for the references.

<sup>b</sup> See (1959AJ76).

<sup>c</sup> See, however, reaction 17.

<sup>d</sup>  $\gamma_0, \gamma_1, \gamma_3, \gamma_4$  represent transitions to  ${}^8\text{Be}^*(0, 3.0, 16.6, 16.9)$ , respectively.