

Table 9.8 from (1966LA04): Levels of  ${}^9\text{Be}$  from  ${}^9\text{Be}(p, p'){}^9\text{Be}^*$  <sup>a</sup>

(1955GO48, 1956BO18, 1960SP08)			(1956BE14)	(1952BR52)	(1958SU14)	(1962SC12)	(1965HA17)	
$E_x$	$\Gamma$	$J^\pi$	$E_x$	$E_x$	$E_x$	$E_x$	$E_x$	$\Gamma$
$1.675 \pm 2$ <sup>b</sup>	$175 \pm 25$	$\frac{1}{2}^+$			1.83			
$2.432 \pm 3$	$\leq 1$		$2.46 \pm 50$ <sup>c</sup>	2.5	2.43	$2.43$ <sup>c</sup>	$2.35 \pm 100$	
$3.030 \pm 30$	$250 \pm 50$	$\frac{3}{2}^+, \frac{5}{2}^+$			(3.1)	3.04		
			$5.0 \pm 300$		4.8	4.74	$4.8 \pm 200$	
			$6.76 \pm 60$ <sup>d</sup>	6.8	6.8	$6.76$ <sup>e</sup>	$6.5 \pm 300$	$1200 \pm 200$
			$7.94 \pm 80$				$7.9 \pm 300$	$\approx 1000$
			$11.3 \pm 200$	11.6			$11.2 \pm 300$	$\approx 1000$
			(14.5)				$14.4 \pm 300$	$\approx 1000$
			(17.5)				$16.7 \pm 300$	broad
			(19.9 $\pm$ 100)				$17.4 \pm 300$	broad
			(21.7 $\pm$ 100)				$19.0 \pm 400$	broad
							$21.1 \pm 500$	broad
							$22.4 \pm 700$	broad

<sup>a</sup>  $E_x$  in MeV  $\pm$  keV,  $\Gamma$  in keV. See also (1951BR72, 1956ST30, 1958TY46, 1964JA03, 1965W11H).

<sup>b</sup> Low-energy cutoff.

<sup>c</sup>  $J^\pi = \frac{1}{2}^-, \frac{5}{2}^-$ .

<sup>d</sup>  $J^\pi = \frac{1}{2}^+, \frac{5}{2}^+, \frac{7}{2}^+$ .

<sup>e</sup>  $\Gamma = 1200 \pm 300$  keV.