

Table 11.12 from (1990AJ01): Beta decay of  $^{11}\text{Be}$  (1982MI08) <sup>a</sup>

$^{11}\text{B}$ (keV)	$J\pi$ <sup>b</sup>	Branching <sup>c</sup> ratio (%)	$\log ft$	$E_\gamma$ (keV)	$I_\gamma$ <sup>c</sup> (%)	Transition to $^{11}\text{B}^*$ (MeV)
g.s.	$\frac{3}{2}^-$	$54.7 \pm 2.0$ <sup>d</sup>	$6.830 \pm 0.016$			
$2124.693 \pm 0.027$	$\frac{1}{2}^-$	$31.4 \pm 1.8$	$6.648 \pm 0.025$	$2124.473 \pm 0.027$	100	g.s.
$4444.89 \pm 0.50$	$\frac{5}{2}^-$	$0.054 \pm 0.004$	$10.93 \pm 0.03$ <sup>e</sup>	$4443.90 \pm 0.50$	100	g.s.
$5020.31 \pm 0.30$	$\frac{3}{2}^-$	$0.282 \pm 0.020$	$7.934 \pm 0.031$	$5018.98 \pm 0.40$	$85.6 \pm 0.6$	g.s.
				$2895.30 \pm 0.40$	$14.4 \pm 0.6$	2.12
$6791.80 \pm 0.30$ <sup>f</sup>	$\frac{1}{2}^+$	$6.47 \pm 0.45$	$5.938 \pm 0.030$	$6789.81 \pm 0.50$	$67.5 \pm 1.1$	g.s.
				$4665.90 \pm 0.40$	$28.5 \pm 1.1$	2.12
				$1771.31 \pm 0.30$	$4.0 \pm 0.3$	5.02
$7285.51 \pm 0.43$	$\frac{5}{2}^+$	$< 0.03$	$> 8.04$	7282.92	$87.0 \pm 2.0$	g.s.
$7977.84 \pm 0.42$ <sup>g</sup>	$\frac{3}{2}^+$	$4.00 \pm 0.30$	$5.576 \pm 0.033$	7974.73	$46.2 \pm 1.1$	g.s.
				$5851.47 \pm 0.42$	$53.2 \pm 1.2$	2.12
				$692.31 \pm 0.10$	$0.85 \pm 0.04$	7.29
9.876	$\frac{3}{2}^+$	$3.1 \pm 0.4$ <sup>h</sup>	$4.04 \pm 0.08$			

<sup>a</sup> See also Tables 11.15 in (1980AJ01) and 11.13 in (1985AJ01).

<sup>b</sup> From Table 11.3.

<sup>c</sup> Adopted by (1982MI08); based on their work and on the earlier work.

<sup>d</sup> From the relative intensities of the  $\gamma$ -rays and  $I_{2.13}/I_{\text{total } \beta} = 0.355 \pm 0.018$ .

<sup>e</sup>  $\log f_1 t$ .

<sup>f</sup> Transition to  $^{11}\text{B}^*(4.44)$  is  $< 0.04\%$ .

<sup>g</sup> Transitions to  $^{11}\text{B}^*(4.44, 5.02, 6.79)$  are  $< 0.06$ ,  $< 0.09$  and  $< 0.10\%$ .

<sup>h</sup> From the relative intensities of the  $\gamma$ -rays and  $I_\alpha/I_{2.12}$  of (1981AL03).