

Table 9.7 from (1988AJ01):  
Branching parameters in  ${}^9\text{Li}$   $\beta$ -decay <sup>a</sup>

$E_x$ in ${}^9\text{Be}$ (MeV)	$J^\pi; T$	Branching ratio (%)	$\log ft$ <sup>b</sup>
0	$\frac{3}{2}^-; \frac{1}{2}$	$50.5 \pm 5$ <sup>d</sup>	5.31
2.43	$\frac{5}{2}^-; \frac{1}{2}$	$34 \pm 4$	5.07
2.78 <sup>c</sup>	$\frac{1}{2}^-; \frac{1}{2}$	$10 \pm 2$	5.54
7.94	$(\frac{1}{2}^-)$ <sup>e</sup> ; $\frac{1}{2}$	$1.5 \pm 0.5$	5.04
11.28	$(\frac{3}{2}^-)$ <sup>e</sup> ; $\frac{1}{2}$	$4 \pm 0.5$	2.87 <sup>a</sup>
11.81		$< 0.1$	$> 4.0$

<sup>a</sup> See Table 9.7 in (1984AJ01) for references.

<sup>b</sup> M. J. Martin, private communication.

<sup>c</sup>  $2.78 \pm 0.12$  MeV,  $\Gamma_{\text{c.m.}} = 1.10 \pm 0.12$  MeV;  $\theta_p^2 = 0.48 \pm 0.06$ : see Table 9.7 in (1979AJ01).

<sup>d</sup>  $P_n = (49.5 \pm 5)$  %.

<sup>e</sup> Suggested on the basis of the branching ratios. These should be remeasured [see the  ${}^9\text{C}(\beta^+)$  work of (1988MI03): reaction 9, in <sup>9</sup>B]. F.C. Barker (private communication) suggests, on the basis of analog evidence,  $J^\pi = (\frac{9}{2}, \frac{7}{2})^-$  for  ${}^9\text{Be}^*(11.28)$ .