

Table 9.6 from (1984AJ01):  
Parameters of the first  $T = \frac{3}{2}$  states in  ${}^9\text{Be}$  and  ${}^9\text{B}$ ,  $J\pi = \frac{3}{2}^-$  <sup>a</sup>

	${}^9\text{Be}$		${}^9\text{B}$
$E_x$ (keV)	$14392.9 \pm 1.8$		$14655.0 \pm 2.5$
$\Gamma_{\gamma_0}$ (eV)	$6.9 \pm 0.5$		$(6.9 \pm 0.5)^b$
$\Gamma$ (eV)	$381 \pm 33^c$		$395 \pm 42^d$
$\Gamma_{\gamma_0}(\text{to } \frac{3}{2}^-)/\Gamma(\%)$	$1.81 \pm 0.09^d$		$1.85 \pm 0.15^d$
$\Gamma_{\gamma_1}(\text{to } \frac{1}{2}^+)/\Gamma(\%)$	$0.03 \pm 0.04^d$		$0.00 \pm 0.08^d$
$\Gamma_{\gamma_2}(\text{to } \frac{5}{2}^-)/\Gamma(\%)$	$2.05 \pm 0.11^d$		$1.93 \pm 0.22^d$
$\Gamma_{\gamma_3}(\text{to } \frac{1}{2}^-)/\Gamma(\%)$	$< 0.2^d$		} $0.31 \pm 0.18^d$
$\Gamma_{\gamma_4}(\text{to } \frac{5}{2}^+)/\Gamma(\%)$	$0.33 \pm 0.07^d$		
$\Gamma_{\gamma_5}(\text{to } \frac{3}{2}^+)/\Gamma(\%)$	$0.23 \pm 0.05^d$		
$\Gamma_{\gamma_2}/\Gamma_{\gamma_0}$	$1.13 \pm 0.05^d$		$1.03 \pm 0.11^d$
$\Gamma_{n_0}/\Gamma$	$0.028 \pm 0.021$	$\Gamma_{p_0}/\Gamma$	$0.11 \pm 0.04$
$\Gamma_{n_1}/\Gamma$	$0.50 \pm 0.11$	$\Gamma_{p_1}/\Gamma$	$0.33 \pm 0.09$
$\Gamma_{n_0}$ (eV)	$9 \pm 8$	$\Gamma_{p_0}$ (eV)	$30 \pm 17$
$\Gamma_{n_1}$ (eV)	$147 \pm 28$	$\Gamma_{p_1}$ (eV)	$95 \pm 15$
$\Gamma_{n_1}/\Gamma_{n_0}$	$18 \pm 14$	$\Gamma_{p_1}/\Gamma_{p_0}$	$3.2 \pm 1.9$
$\gamma_{n_1}^2/\Gamma_{n_0}^2$	$22 \pm 17$	$\gamma_{p_1}^2/\gamma_{p_0}^2$	$3.2 \pm 2.2$
$\Gamma_{\alpha_0}/\Gamma_{\gamma_0}$	$31.2 \pm 9.8$		

<sup>a</sup> See Table 9.6 in (1979AJ01) for references.

<sup>b</sup> Assumed identical to  ${}^9\text{Be}$ .

<sup>c</sup> Calculated from  $\Gamma_{\gamma_0}/\Gamma$  and  $\Gamma_{\gamma_0}$  (1978DI08).

<sup>d</sup> (1978DI08):  $\Gamma({}^9\text{B})/\Gamma({}^9\text{Be}) = 1.04 \pm 0.10$ .