

Table 9.6 from (1979AJ01): Parameters ^a of the first $T = \frac{3}{2}$ states in ⁹Be and ⁹B, $J^\pi = \frac{3}{2}^-$

⁹ Be			⁹ B		
E_x (MeV)	14.3926 ± 0.0018	(1974KA15)		14.6550 ± 0.0025	(1974KA15)
Γ_{γ_0} (eV)	6.9 ± 0.5	(1973BE19)		$(6.9 \pm 0.5)^b$	
Γ (eV)	329 ± 67	(1971AD01, 1973BE19)		260^{+90}_{-120}	(1971AD01, 1973BE19)
				290 ± 93	(1976MC10) ^c
				275 ± 93	(1976MC10)
$\Gamma_{\gamma_1}/\Gamma_{\gamma_0}$	1.19 ± 0.16	(1971AD01)			d
$\Gamma_{\gamma_2}/\Gamma_{\gamma_1}$	0.30 ± 0.04	(1971AD01)			
Γ_{n_0}/Γ	0.028 ± 0.021	(1976MC10)	Γ_{p_0}/Γ	0.11 ± 0.04	(1976MC10)
Γ_{n_1}/Γ	0.50 ± 0.11	(1976MC10)	Γ_{p_1}/Γ	0.33 ± 0.09	(1976MC10)
Γ_{n_0} (eV)	9 ± 8	(1976MC10) ^e	Γ_{p_0} (eV)	30 ± 17	(1976MC10)
Γ_{n_1} (eV)	141 ± 34	(1972AD04, 1973BE19)	Γ_{p_1} (eV)	96 ± 16	(1972AD04, 1973BE19)
	156 ± 47	(1976MC10)		91 ± 38	(1976MC10)
	147 ± 28	mean		95 ± 15	mean
$\Gamma_{n_1}/\Gamma_{n_0}$	18 ± 14	(1976MC10)	$\Gamma_{p_1}/\Gamma_{p_0}$	3.2 ± 1.9	(1976MC10)
$\gamma_{n_1}^2/\gamma_{n_0}^2$	22 ± 17	(1976MC10)	$\gamma_{p_1}^2/\gamma_{p_0}^2$	3.7 ± 2.2	(1976MC10)
$\Gamma_{\alpha_0}/\Gamma_{\gamma_0}$	31.2 ± 9.8	(1972AD04, 1973BE19)			

^a See Table 1 in (1976MC10) and Table 9.6 in (1974AJ01).

^b Assumed identical to ⁹Be.

^c Calculated from $\Gamma_{p_1}/\Gamma_{\gamma_0}$, Γ_{p_1}/Γ and Γ_{γ_0} .

^d Similar to branching ratios in ⁹Be (1971AD01): Γ_{γ_1} is transition to ⁹Be*(2.4) or ⁹B*(2.4); Γ_{γ_2} is transition to ⁹Be*(2.9) or ⁹B*(2.8).

^e See also (1978MC04; theor.).