Table 11.9 form (1968AJ02): Gamma decay of ^{11}B levels [a]

E_i (MeV)	J_i^π	τ_m or Γ_γ (sec) (eV)	E_f (MeV)	Branch %	Mult.	χ^2 [b]
2.12	$\frac{1}{2}^-$	0.122 eV [c]	0	100		
4.44	$\frac{5}{2}^-$	0.54 eV [c]	0	100	M1	0.04 [d]
			2.12	< 0.5		
5.02	$(\frac{1}{2}^-)\frac{3}{2}^-$	1.73 eV [c]	0	85 ± 2 [j]	M1 [c]	
			2.12	15 ± 2		
			4.44	< 0.3		
6.74	$\frac{7}{2}^-$	$< 3 \times 10^{-13}$ [e]	0	70 ± 2	E2	0.4
			2.12	< 3		
			4.44	30 ± 2	M1, E2 [g]	
			5.02	< 1		
6.79	$(\frac{1}{2}, \frac{3}{2})^+$	$< 5 \times 10^{-14}$ [f]	0	71 ± 5 [k]		
			2.12	29 ± 5		
			4.44	< 8		
			5.02	< 8		
7.30	$\frac{3}{2}^+, \frac{5}{2}^+$	1.0 eV [c]	0	87 ± 2	E1	0.3
			2.12	< 1		
			4.44	5.5 ± 1		
			5.02	7.5 ± 1		
7.99	$\frac{3}{2}^+$	$< 5 \times 10^{-13}$	0	47 ± 2	E1	0.2
		$< 5 \times 10^{-14}$ [f]	2.12	53 ± 2	E1	0.4
			4.44	< 1		
			5.02	< 1		
8.57	$\leq \frac{5}{2}^{(-)}$	2.0 eV [c]	0	56 ± 2	M1, E2 [c]	
			2.12	30 ± 2		
			4.44	5 ± 1		
			5.02	9 ± 1		
8.93	$\frac{5}{2}^-$	4.0 eV [c]	0	95 ± 1	M1	0.7 [h]
			2.12	< 1		
			4.44	4.5 ± 0.5		
			5.02	< 1		

Table 11.9 form (1968AJ02): Gamma decay of ^{11}B levels [a] (continued)

E_i (MeV)	J_i^π	τ_m or Γ_γ (sec) (eV)	E_f (MeV)	Branch %	Mult.	χ^2 [b]
			6.74	< 1		
			6.79	< 1		
9.19	$\frac{7}{2}^+$	$\Gamma_\gamma = 0.3$ eV	0	0.9 ± 0.3	M2, E3 [i]	
			4.44	82.8 ± 2	E1	
			6.74	12.8 ± 0.4	E1	
			6.79	< 1.3		
9.27	$\frac{5}{2}^+$	$\Gamma_\gamma = 2.3$ eV [g]	0	19.7 ± 1.0	E1	
			4.44	67.5 ± 2.0		
			6.74	12.8 ± 0.7		
			6.79	< 0.6		

[a] From ^{9}Be(^{3}He, p)^{11}B and ^{10}B(d, p)^{11}B (1965OL03 and references therein).

[b] χ^2 = maximum intensity of quadrupole radiation in dipole transitions or of M1 in E2 transitions.

[c] See Table 11.13.

[d] Amplitude E2/M1 = -0.2 ± 0.02 (1962GR07): see (PO66E).

[e] (1966WA10).

[f] (1967THZX).

[g] From ^{7}Li(α, γ)^{11}B (1962GR07). See Table 11.4.

[h] 0.6 % E2 (1962GR07). See also (1966GO12).

[i] Amplitude M2/E3 = 0.9 (1962GR07).

[j] 88 ± 2, 12 ± 2 (1968EA03).

[k] 67 ± 3, 33 ± 3 (1968EA03).