

Table 13.10 from (1976AJ04): Resonant structure in  $^{11}\text{B} + \text{d}$

Resonant structure in yield of (MeV $\pm$ keV)									$\Gamma_{\text{cm}}$ (keV)	$E_x$ (MeV)
$\gamma_0^{\text{a}}$	$n_0^{\text{b}}$	$n_1^{\text{b}}$	$n_2^{\text{b}}$	$n_3^{\text{b}}$	$\gamma_{15.1}^{\text{c}}$	p	$\gamma_{0.9}, \gamma_{1.7}^{\text{d}}$	$\alpha^{\text{e}}$		
$2.0 \pm 100$		1.2								$19.7^{\text{i}}$
		1.45							$\approx 600$	19.90
		1.6	1.8 <sup>f</sup>						$\approx 200$	20.24
			2.2 <sup>f</sup>			$2.180 \pm 10$	2.2 <sup>g,h</sup>	$\approx 2.1$	$116 \pm 10$	20.52
						$3.080 \pm 15$	3.0 <sup>g</sup>		$159 \pm 15$	21.28
		3.6				$3.71 \pm 20$			$114 \pm 21$	21.81
		4.23	4.0	4.1		4.4			broad	22.23
			(5.2)							(23.1)
		9.6	9.6	9.6	9.6					26.8
	10.4		10.4	10.4					27.5	

<sup>a</sup> (1973WE12):  $\Gamma_{\text{lab}} \approx 600$  keV.

<sup>b</sup> (1965AL17, 1967DI01, 1972TH14).

<sup>c</sup> (1958KA31, 1964KU09).

<sup>d</sup> Broad resonance in yields of  $\gamma_{0.95}$  and  $\gamma_{1.67}$  (1968CH05).

<sup>e</sup> Yield of  $\alpha_0, \alpha_1, \alpha_2, \alpha_3$  (1969FR03).

<sup>f</sup> (1965AL17) report a resonance at 1.8 MeV while (1967DI01) report one at 2.2 MeV, in addition to a sharper structure at 1.2 MeV.

<sup>g</sup> Resonance in polarization of  $^{12}\text{B}$  recoils (1967PF02).

<sup>h</sup> Yield of  $p_0, p_1$  and  $p_2$  (1964BR1A).

<sup>i</sup> (1971RI19, 1972SE09) suggest  $J^\pi = \frac{5}{2}^-$ .