

Table 12.12 from (1980AJ01):  
Reduced widths of certain states in  $^{12}\text{B}$  and  $^{12}\text{C}$  <sup>a</sup>

$E_x(^{12}\text{B})$	$E_x(^{12}\text{C})$	$J^\pi$	$S(\text{d}, \text{p})$ <sup>b</sup>	$S(^3\text{He}, \text{d})$ <sup>c</sup>	$S(\text{p}, \text{d})$ <sup>d</sup>	$\frac{\gamma_{\lambda_n}^2}{2\gamma_{\lambda_p}^2}$
	0	0 <sup>+</sup>		6.09	0.70	
	4.44	2 <sup>+</sup>		1.41	0.99	
	12.71	1 <sup>+</sup>		0.86	0.61	
0 <sup>e</sup>	15.11 <sup>e</sup>	1 <sup>+</sup>	0.69	0.76	1.71	
0.95	16.11	2 <sup>+</sup>	0.55	0.56	3.18	
1.67	16.58	2 <sup>-</sup>	0.57			0.68
2.62	17.23	1 <sup>-</sup>	0.75			0.70
2.72	17.76	0 <sup>+</sup>	0.21			0.93
3.39	18.35	3 <sup>-</sup>	0.58			0.99
3.76	18.80	2 <sup>+</sup>				0.93 <sup>f</sup>

<sup>a</sup> See also [Table 12.13 in \(1975AJ02\)](#) and p. 494 – 495 of [\(1977AD02\)](#).

<sup>b</sup> [\(1971MO14\)](#).

<sup>c</sup>  $^{11}\text{B}(^3\text{He}, \text{d})^{12}\text{C}$ : [\(1969MI15\)](#);  $E(^3\text{He}) = 12$  and 18 MeV. See [\(1977AD02\)](#).

<sup>d</sup>  $^{13}\text{C}(\text{p}, \text{d})^{12}\text{C}$ : [\(1970SC02\)](#);  $E_p = 50$  MeV) and [\(1968TA08\)](#);  $E_p = 54.9$  MeV). See [\(1977AD02\)](#).

<sup>e</sup> This state and the states listed below have  $T = 1$ .

<sup>f</sup> See discussion on p. 2196 of [\(1971MO14\)](#).