

Table 13.1 from (1991AJ01): Energy levels of  $^{13}\text{B}$

$E_x$ (MeV $\pm$ keV)	$J^\pi; T$	$\tau$ or $\Gamma_{\text{cm}}$ (keV)	Decay	Reactions
g.s.	$\frac{3}{2}^-; \frac{3}{2}$	$\tau_{1/2} = 17.36 \pm 0.16$ ms	$\beta^-$	1, 2, 3, 4, 5, 6, 7, 8, 9, 11
3.4828 $\pm$ 4.5	<sup>a</sup>		( $\gamma$ )	3
3.5346 $\pm$ 3.1	<sup>a</sup>	$\tau_m > 0.3$ ps	$\gamma$	2, 3, 5, 6
3.6810 $\pm$ 4.5	<sup>a</sup>		( $\gamma$ )	3, 6
3.7126 $\pm$ 4.5	<sup>a</sup>	$\tau_m < 0.38$ ps	$\gamma$	2, 3
4.131 $\pm$ 6	<sup>a</sup>	$\tau_m = 0.062 \pm 0.050$ ps	$\gamma$	2, 3
4.829 $\pm$ 6			( $\gamma$ )	2, 3
5.024 $\pm$ 6	<sup>a</sup>			2, 3
5.106 $\pm$ 10		$\Gamma = 60 \pm 10$ keV		3
5.388 $\pm$ 6		10 $\pm$ 10		2, 3
(5.557 $\pm$ 7)				2
6.167 $\pm$ 6				2, 3
6.425 $\pm$ 7		36 $\pm$ 5		2, 3, 5, 6
6.934 $\pm$ 9		55 $\pm$ 15		2, 3
(7.516 $\pm$ 8)				2, 6
(7.859 $\pm$ 20)				2, 6
8.133 $\pm$ 7		100 $\pm$ 15		2, 3
8.683 $\pm$ 7		89 $\pm$ 20		2, 3
9.44 $\pm$ 30		81 $\pm$ 25		3
(9.5)		<b>broad</b>		9
10.22 $\pm$ 20		210 $\pm$ 20		3, 6
10.89 $\pm$ 20				3
(11.80)				3

<sup>a</sup> See Table 13.3.