

Table 15.11 from (1986AJ01): Resonances in  $^{13}\text{C} + \text{d}$  <sup>a</sup>

$E_d$ (MeV)	Particles out	$\Gamma_{\text{lab}}$ (keV)	$^{15}\text{N}^*$ (MeV)
0.37	p		16.48
0.64	n, p <sub>0</sub> , t <sub>0</sub>	≈ 100	16.71
0.85	n, p <sub>0</sub>	≈ 400	16.90
1.10	$\alpha_0$	<b>broad</b>	17.11
1.24 ± 0.04	t <sub>0</sub> , ( $\alpha_0$ )	≈ 200	17.23
1.40 ± 0.04	p <sub>0</sub> , t <sub>0</sub> , $\alpha_0$	≈ 400	17.37
1.64 ± 0.04	t <sub>0</sub>	≈ 200	17.58
1.74 ± 0.04	$\gamma_0$ , n, $\alpha_0$	≈ 600	17.67 <sup>b</sup>
1.80 ± 0.01	(p <sub>0</sub> ), t <sub>0</sub> , $\alpha_1$	55 ± 10	17.72
2.20 ± 0.01	(n), $\alpha_0$ , $\alpha_1$	22 ± 4	18.06
2.23 ± 0.02	(n), p <sub>0</sub> , t	≈ 50	18.09
2.45 ± 0.03	n, p <sub>0</sub> , $\alpha_0$	270 ± 70	18.28
3.46 ± 0.03	n	≈ 150	19.16
5.1	n <sub>1</sub> , p <sub>0</sub>	≈ 50	20.6
6.65	$\gamma_0$	≈ 700	21.92
8.8	$\gamma_0$	<b>broad</b>	23.8

<sup>a</sup> See references listed in Tables 15.10 (1976AJ04, 1981AJ01).

<sup>b</sup>  $J^\pi = \frac{1}{2}^-$  or  $\frac{3}{2}^+$ ;  $T = \frac{1}{2}$ .