

Table 15.8 from (1970AJ04): Resonances in  $^{13}\text{C} + \text{d}$

$E_d$ (MeV)	Emitted particles	$\Gamma_{\text{lab}}$ (keV)	$^{15}\text{N}^*$ (MeV)	Refs.
0.37	p		16.47	(1956VA17)
0.64	n, p <sub>0</sub>	≈ 100	16.72	(1950CU13, 1950RI57, 1953KO42, 1956MA46, 1956VA17)
0.85	n	≈ 400	16.90	(1950RI57)
1.10	$\alpha_0$	broad	17.11	(1956MA35, 1966KL06)
1.24 ± 0.04	t <sub>0</sub>	≈ 200	17.24	(1956MA35)
1.40 ± 0.04	p <sub>0</sub> , t <sub>0</sub> , $\alpha_0$	≈ 400	17.37	(1956MA35, 1956MA46)
1.55 <sup>a</sup>	n	≈ 100		(1941BE1A, 1950RI57, 1966KL06)
1.64 ± 0.04	t <sub>0</sub>	≈ 200	17.58	(1956MA35)
1.78 ± 0.05	n, $\alpha_0$	≈ 600	17.70	(1950RI57, 1955MA76, 1956MA35)
1.80 ± 0.01	(p <sub>0</sub> ), t <sub>0</sub> , $\alpha_1$	55 ± 10	17.72	(1956MA35, 1956MA46)
2.20 ± 0.01	(n), $\alpha_0$ , $\alpha_1$	22 ± 4	18.07	(1956MA35, 1963AL21)
2.23 ± 0.02	(n), p <sub>0</sub> , t	≈ 50	18.09	(1956MA35, 1956MA46, 1963AL21)
2.45 ± 0.03	n, p <sub>0</sub> , $\alpha_0$	270 ± 70	18.28	(1955MA76, 1956MA35, 1956MA46)
3.46 ± 0.03	n	≈ 150	19.16	(1955MA76, 1963DE19)

<sup>a</sup> Possibly to be identified with 1.40 MeV resonance (1956MA35).