

Table 15.8 from (1991JA01): Resonances in  $^{12}\text{C} + t$  <sup>a</sup>

$E_t$ (MeV $\pm$ keV)	Particles out	$J^\pi$	$\Gamma$ (keV)	$E_x$ (MeV)
0.66	$\alpha_0$			15.38
1.11	$p_0, t_0, \alpha_1$			15.74
1.21	$t_0$			15.82
$1.30 \pm 20$	$n, \alpha_0$			15.89
$1.39 \pm 20$	$n, t_0, \alpha_0$			15.96
1.46	$p_0$			16.02
1.54	$n, \alpha_0, \alpha_1$			16.08
$1.64 \pm 40$	$\gamma_0, n, \alpha_0$	$\frac{3}{2}^+$	$450 \pm 100$	16.16
1.78	$\alpha_0$			16.27
$1.85 \pm 20$	$n, p_0, \alpha_0, \alpha_1$			16.33
$1.98 \pm 20$	$n, p_0$			16.43
$2.05 \pm 30$	$p_0, t_0, \alpha_0$			16.49
$2.18 \pm 25$	$\gamma_0, n, p_0, t_0, \alpha_0, \alpha_1$	$\frac{3}{2}^-$	490	16.59
2.30	$\gamma_0, n, p_0, \alpha_0, \alpha_1$	$\frac{3}{2}^+$	$130 \pm 15$	$16.69 \pm 0.01$
$2.39 \pm 30$	$n, t_0, \alpha_0, \alpha_1$			16.76
$2.50 \pm 30$	$\alpha_0, \alpha_1$			16.85
2.60	$\alpha_0$			16.93
2.75	$p_0$			17.05
2.82	$\gamma_0, t_0, \alpha_0, \alpha_1$	$\frac{3}{2}^-$		17.10
$2.89 \pm 50$	$\alpha_0$			17.16
3.14	$\alpha_1$			17.36
3.30	$\gamma_0$	$\frac{3}{2}^+$	$450 \pm 120$	$17.49 \pm 0.09$
$\approx 6$	$\gamma_0$			19.6
15.0	$t_0$			26.8

<sup>a</sup> For references see [Tables 15.8 in \(1976AJ04, 1981AJ01\)](#) and [15.9 in \(1986AJ01\)](#).