

Table 15.9 from (1986AJ01): Resonances in  $^{12}\text{C} + \text{t}$  <sup>a</sup>

$E_t$ (MeV $\pm$ keV)	$E_x$ (MeV)	Particles out	$J^\pi$	$\Gamma$ (keV)
0.66	15.38	$\alpha_0$		
1.11	15.74	$\text{p}_0, \text{t}_0, \alpha_1$		
1.21	15.82	$\text{t}_0$		
$1.30 \pm 20$	15.89	$\text{n}, \alpha_0$		
$1.39 \pm 20$	15.96	$\text{n}, \text{t}_0, \alpha_0$		
1.46	16.02	$\text{p}_0$		
1.54	16.08	$\text{n}, \alpha_0, \alpha_1$		
$1.64 \pm 40$	16.16	$\gamma_0, \text{n}, \alpha_0$	$\frac{3}{2}^+$	$450 \pm 100$
1.78	16.27	$\alpha_0$		
$1.85 \pm 20$	16.33	$\text{n}, \text{p}_0, \alpha_0, \alpha_1$		
$1.98 \pm 20$	16.43	$\text{n}, \text{p}_0$		
$2.05 \pm 30$	16.49	$\text{p}_0, \text{t}_0, \alpha_0$		
$2.18 \pm 25$	16.59	$\gamma_0, \text{n}, \text{p}_0, \text{t}_0, \alpha_0, \alpha_1$	$\frac{3}{2}^-$	490
2.30	$16.69 \pm 0.01$	$\gamma_0, \text{n}, \text{p}_0, \alpha_0, \alpha_1$	$\frac{3}{2}^+$	$130 \pm 15$
$2.39 \pm 30$	16.76	$\text{n}, \text{t}_0, \alpha_0, \alpha_1$		
$2.50 \pm 30$	16.85	$\alpha_0, \alpha_1$		
2.60	16.93	$\alpha_0$		
2.75	17.05	$\text{p}_0$		
2.82	17.10	$\gamma_0, \text{t}_0, \alpha_0, \alpha_1$	$\frac{3}{2}^-$	
$2.89 \pm 50$	17.16	$\alpha_0$		
3.14	17.36	$\alpha_1$		
3.30	$17.49 \pm 0.09$	$\gamma_0$	$\frac{3}{2}^+$	$450 \pm 120$
$\approx 6$ <sup>b</sup>	19.6	$\gamma_0$		
15.0	26.8	$\text{t}_0$		

<sup>a</sup> For references see Tables 15.8 in (1976AJ04, 1981AJ01).

<sup>b</sup> (1983DR13); broad and/or unresolved state(s);  $E_t$  estimated by reviewer.