

Table 15.13 from (1991AJ01): Resonances in  $^{14}\text{N} + \text{n}$  <sup>a</sup>

$E_{\text{res}}$ (MeV $\pm$ keV)	$\Gamma_{\text{lab}}$ (keV)	$\Gamma_{\text{n}}$ (keV)	$\Gamma_{\text{p}}$ (keV)	$\Gamma_{\alpha}$ (keV)	$J^{\pi}$	$^{15}\text{N}^*$ (MeV)
0.430 $\pm$ 5	3.5	< 3	< 0.01		$\geq \frac{3}{2} \frac{3}{2}$	11.235
0.4926 $\pm$ 0.65	7.5	< 3	< 10		$\frac{1}{2} 1^-$	11.2928
0.639 $\pm$ 5	43	34	9		$\frac{1}{2} 1^+$	11.429
0.998 $\pm$ 5	46	45	0.8		$\frac{3}{2} \frac{3}{2}^+$	11.764
1.120 $\pm$ 6	19	19	0.20		$\frac{3}{2} \frac{3}{2}^-$	11.878
1.188 $\pm$ 6	$\leq 3.2$	< 2	< 0.1		$\geq \frac{3}{2} \frac{3}{2}$	11.942
1.211 $\pm$ 7	13	12	0.4		$\frac{1}{2} 1^-$	11.963
1.350 $\pm$ 7	21	20	0.9	0.4	$\frac{5}{2} \frac{5}{2}^+$	12.093
1.401 $\pm$ 8	54	41	11	1.8	$\frac{5}{2} \frac{5}{2}^+$	12.140
1.595 $\pm$ 8	22	21	0.2	< 0.1	$\frac{5}{2} \frac{5}{2}^-$	12.321
1.779 $\pm$ 10	47	37	0.5	9.0	$(\frac{5}{2} \frac{5}{2}^+)$	12.493
2.23	65	39	7.8	18	$\frac{3}{2} \frac{3}{2}^-$	12.91
2.47	< 3			r		13.14
2.52	$\approx 7$	r		r		13.18
2.71	40			r	$\frac{3}{2} \frac{3}{2}^-$	13.36
2.74	95		r		$\frac{5}{2} \frac{5}{2}^+$	13.39
2.95	20	16	1.1	3.2	$\frac{5}{2} \frac{5}{2}^+$	13.59
3.09	60		r	r		13.72
3.21	85	r	r	r	$\frac{3}{2} \frac{3}{2}^+$	13.83
3.51	$\approx 20$	r	r	r		14.11
3.57	30	r	r	r	$\frac{3}{2} \frac{3}{2}^+$	14.16
$\approx 3.8$	$\approx 2000$	$\approx 1000$	200	$\approx 1000$		14.4
4.09	50	r	r	r		14.65
$\approx 4.2$	$\approx 300$	r	r	r		14.8
4.38	40			r		14.92
4.60		r		r		15.12
5.03				r		15.52
5.60	100			r		16.06
5.94				r		16.37
6.16	75			r		16.58

Table 15.13 from (1991AJ01): Resonances in  $^{14}\text{N} + \text{n}$  <sup>a</sup> (continued)

$E_{\text{res}}$ (MeV $\pm$ keV)	$\Gamma_{\text{lab}}$ (keV)	$\Gamma_{\text{n}}$ (keV)	$\Gamma_{\text{p}}$ (keV)	$\Gamma_{\alpha}$ (keV)	$J^{\pi}$	$^{15}\text{N}^*$ (MeV)
6.26	100	r		r		16.67
6.55	170	r		r		16.94
6.94	200	r		r		17.31
7.16				r		17.51
7.34	120			r		17.68
7.48	180	r		r		17.81
7.92	170	r		r		18.22
8.00	120			r		18.29

r = resonant.

<sup>a</sup> See references in [Tables 15.14 in \(1970AJ04, 1976AJ04\)](#).