

Table 15.14 from (1976AJ04): Resonances in $^{14}\text{N} + n$ ^a

E_{res} (MeV \pm keV)	Γ_{lab} (keV)	Γ_n (keV)	Γ_p (keV)	Γ_α (keV)	J^π	$^{15}\text{N}^*$ (MeV)	Refs. ^b
0.430 \pm 5	3.5	< 3	< 0.01		$\geq \frac{3}{2}$	11.235	A
0.4926 \pm 0.65	7.5	< 3	< 10		$\frac{1}{2}^-$	11.2932	A, (1974SC1C)
0.639 \pm 5	43	34	9		$\frac{1}{2}^+$	11.430	A, (1974SC1C)
0.998 \pm 5	46	45	0.8		$\frac{3}{2}^+$	11.765	A, (1974SC1C)
1.120 \pm 6	19	19	0.20		$\frac{3}{2}^-$	11.878	A, (1974SC1C)
1.188 \pm 6	≤ 3.2	< 2	< 0.1		$\geq \frac{3}{2}$	11.942	(1952HI12, 1974SC1C)
1.211 \pm 7	13	12	0.4		$\frac{1}{2}^-$	11.963	(1952HI12, 1974SC1C)
1.350 \pm 7	21	20	0.9	0.4	$\frac{5}{2}^+$	12.093	A, (1974SC1C)
1.401 \pm 8	54	41	11	1.8	$\frac{5}{2}^+$	12.141	A, (1974SC1C)
1.595 \pm 8	22	21	0.2	< 0.1	$\frac{5}{2}^-$	12.321	A, (1974SC1C)
1.779 \pm 10	47	37	0.5	9.0	$(\frac{5}{2}^+)$	12.493	A, (1974SC1C)
2.23	65	39	7.8	18	$\frac{3}{2}^-$	12.91	A, (1974SC1C)
2.47	< 3			r		13.14	(1959GA14)
2.52	≈ 7	r		r		13.18	(1959GA14, 1974SC1C)
2.71	40			r		13.36	(1959GA14)
2.74	95		r		$\frac{5}{2}^+$	13.39	(1959GA14)
2.95	20	16	1.1	3.2	$\frac{5}{2}^+$	13.59	A, (1974SC1C)
3.09	60		r	r		13.72	(1959GA14)
3.21	85	r	r	r	$\frac{3}{2}^+$	13.83	A, (1970CA1F, 1974SC1C)
3.51	≈ 20	r	r	r		14.11	(1959GA14, 1970CA1F, 1974SC1C)
3.57	30	r	r	r	$\frac{3}{2}^+$	14.16	A, (1970CA1F, 1974SC1C)
≈ 3.8	≈ 2000	≈ 1000	200	≈ 1000		14.4	(1959GA14)

Table 15.14 from (1976AJ04): Resonances in $^{14}\text{N} + \text{n}$ ^a (continued)

E_{res} (MeV \pm keV)	Γ_{lab} (keV)	Γ_{n} (keV)	Γ_{p} (keV)	Γ_{α} (keV)	J^{π}	$^{15}\text{N}^*$ (MeV)	Refs. ^b
4.09	50	r	r	r		14.65	A, (1974SC1C)
≈ 4.2	≈ 300	r	r	r		14.8	(1959GA14, 1974SC1C)
4.38	40			r		14.92	A
4.60		r		r		15.12	A, (1970CA1F, 1974SC1C)
5.03				r		15.52	A
5.60	100			r		16.06	A
5.94				r		16.37	A
6.16	75			r		16.58	A
6.26	100	r		r		16.67	A, (1974SC1C)
6.55	170	r		r		16.94	A, (1974SC1C)
6.94	200	r		r		17.31	(1959GA14, 1959HA13)
7.16				r		17.51	(1959GA14)
7.34	120			r		17.68	(1959GA14)
7.48	180	r		r		17.81	A
7.92	170	r		r		18.22	(1959HA13, 1970CA1F)
8.00	120			r		18.29	A

A: See references for this state in [Table 15.14 \(1970AJ04\)](#).

r = Resonant channel.

^a See also [\(1959AJ76\)](#) and [\(1973MU14\)](#).

^b References to [\(1970CA1F, 1974SC1C\)](#) made by inspection of curves by reviewer.