

Table 15.12 from (1970AJ04): Gamma radiation from $^{14}\text{N}(n, \gamma)^{15}\text{N}$

Transition in ^{15}N	E_γ (MeV \pm keV)		E_γ (MeV \pm keV)	I_γ ^b	
	(1967TH05)	(1968GR14)	(1968GR14)	(1967TH05)	(1963MO1C)
C \rightarrow 0	10.830 \pm 2	10.8290	10.8832 \pm 0.6	13.3 \pm 2.0	14
C \rightarrow 5.27	5.562 \pm 1	5.5622 \pm 0.35		10.3 \pm 0.5	11
C \rightarrow 5.30	5.534 \pm 1	5.5332 \pm 0.35		18.8 \pm 0.9	21
C \rightarrow 6.32	4.509 \pm 1	4.5088 \pm 0.3		16.6 \pm 0.8	16
C \rightarrow 7.16	3.678 \pm 1	3.6777 \pm 0.25		15.9 \pm 0.8	< 23
C \rightarrow 7.30	3.532 \pm 1	3.5322 \pm 0.25		9.9 \pm 0.5	9
C \rightarrow 8.31	2.521 \pm 2	2.52055 \pm 0.10		6.1 \pm 0.3	6
C \rightarrow 9.155		1.67819 \pm 0.06			
	1.679 \pm 2			9.2 \pm 0.5	12
C \rightarrow 9.152		1.68141 \pm 0.18		1.4 \pm 0.3 ^d	
5.27 \rightarrow 0	5.270 \pm 1	5.2692 \pm 0.35	5.2701 \pm 0.3	30.6 \pm 1.5	32
5.30 \rightarrow 0	5.298 \pm 1	5.2978 \pm 0.35	5.2989 \pm 0.3	21.4 \pm 1.1	21
6.32 \rightarrow 0	6.323 \pm 1	6.3220 \pm 0.4	6.3235 \pm 0.4	18.8 \pm 0.9	18
7.16 \rightarrow 0			7.1550 \pm 0.4		
7.17 \rightarrow 5.27	1.885 \pm 1	1.88481 \pm 0.06		19.7 \pm 1.0	21
7.16 \rightarrow 5.30	1.857 \pm 2			0.8 \pm 0.2	
7.30 \rightarrow 0	7.299 \pm 1	7.2990 \pm 0.5	7.3009 \pm 0.5	10.0 \pm 0.5	9
8.31 \rightarrow 0	8.311 \pm 2	8.3102 \pm 0.7	8.3124 \pm 0.7	4.4 \pm 0.4	4
8.31 \rightarrow 6.32	1.989 \pm 2			1.5 \pm 0.3	
8.57 \rightarrow 0	8.570 \pm 4		8.573 \pm 4 ^c	0.2 \pm 0.03	
9.05 \rightarrow 0	9.047 \pm 4		9.050 \pm 4 ^c	0.2 \pm 0.03	0.5
9.155 \rightarrow 0			9.1549 \pm 0.5		
9.152 \rightarrow 0	9.151 \pm 2	9.1498 \pm 0.9	9.1518 \pm 0.5	1.7 \pm 0.2	1.4
9.155 \rightarrow 5.27	3.883 \pm 2	3.8837 \pm 0.4		0.8 \pm 0.1	
9.155 \rightarrow 5.30	3.855 \pm 2	3.8552 \pm 0.3		1.0 \pm 0.1	0.5
9.155 \rightarrow 6.32	2.830 \pm 2	2.8311 \pm 0.2		2.0 \pm 0.2	1.5
9.155 \rightarrow 7.16	1.997 \pm 2	1.99965 \pm 0.10		4.6 \pm 0.2	4

^a C = capturing state.

^b In units of photons/100 captures.

^c (1967TH05).

^d (1968GR14).