

Table 15.13 from (1981AJ01): Gamma radiation from  $^{14}\text{N}(n, \gamma)^{15}\text{N}$ 

Transition in $^{15}\text{N}$	$E_\gamma$ <sup>a</sup> (keV)	$E_x$ (keV)	$I_\gamma$ <sup>c</sup>	
	(1974GR37, 1980GR1E)	(1974GR37, 1979GR1M)	(1967TH05)	(1971BE34)
C $\rightarrow$ 0	10829.10 $\pm$ 0.04	10833.24 $\pm$ 0.04	13.3 $\pm$ 2.0	13.8 $\pm$ 0.2
C $\rightarrow$ 5.27	5562.07 $\pm$ 0.04		10.3 $\pm$ 0.5	10.3 $\pm$ 0.4
C $\rightarrow$ 5.30	5533.40 $\pm$ 0.04		18.8 $\pm$ 0.9	18.9 $\pm$ 0.4
C $\rightarrow$ 6.32	4508.67 $\pm$ 0.05		16.6 $\pm$ 0.8	15.3 $\pm$ 0.4
C $\rightarrow$ 7.16	3677.75 $\pm$ 0.06		15.9 $\pm$ 0.8	16.2 $\pm$ 0.3
C $\rightarrow$ 7.30	3532.10 $\pm$ 0.15		9.9 $\pm$ 0.5	10.2 $\pm$ 0.1
C $\rightarrow$ 8.31	2520.62 $\pm$ 0.11		6.1 $\pm$ 0.3	5.8 $\pm$ 0.3
C $\rightarrow$ 9.05				0.7 $\pm$ 0.4
C $\rightarrow$ 9.152	1681.59 $\pm$ 0.23		1.4 $\pm$ 0.3 <sup>d</sup>	
			9.2 $\pm$ 0.5	
C $\rightarrow$ 9.155	1678.26 $\pm$ 0.06			9.5 $\pm$ 0.3
C $\rightarrow$ 9.76		9757.5 $\pm$ 3 <sup>e</sup>		0.2 $\pm$ 0.05
C $\rightarrow$ 9.93				0.1 $\pm$ 0.04
5.27 $\rightarrow$ 0	5269.12 $\pm$ 0.04	5270.12 $\pm$ 0.04 <sup>f</sup>	30.6 $\pm$ 1.5	31.2 $\pm$ 0.7
5.30 $\rightarrow$ 0	5297.79 $\pm$ 0.04	5298.80 $\pm$ 0.04 <sup>f</sup>	21.4 $\pm$ 1.1	22.2 $\pm$ 0.4
6.32 $\rightarrow$ 0	6322.47 $\pm$ 0.06	6323.91 $\pm$ 0.06 <sup>f</sup>	18.8 $\pm$ 0.9	18.1 $\pm$ 1.3
7.16 $\rightarrow$ 0		7155.06 $\pm$ 0.06 <sup>f</sup>		
7.16 $\rightarrow$ 5.27	1884.82 $\pm$ 0.05		19.7 $\pm$ 1.0	20.5 $\pm$ 0.2
7.16 $\rightarrow$ 5.30	1857 $\pm$ 2 <sup>b</sup>		0.8 $\pm$ 0.2	
7.30 $\rightarrow$ 0	7299.18 $\pm$ 0.17	7301.09 $\pm$ 0.17	10.0 $\pm$ 0.5	9.2 $\pm$ 0.2
7.30 $\rightarrow$ 5.30				1.2 $\pm$ 0.4
8.31 $\rightarrow$ 0	8310.32 $\pm$ 0.14	8312.79 $\pm$ 0.14	4.4 $\pm$ 0.4	3.6 $\pm$ 0.1
				1.1 $\pm$ 0.4
8.31 $\rightarrow$ 6.32	1989 $\pm$ 2 <sup>b</sup>		1.5 $\pm$ 0.3	1.5 $\pm$ 0.2
8.57 $\rightarrow$ 0	8570 $\pm$ 4 <sup>b</sup>	8573 $\pm$ 4 <sup>b</sup>	0.2 $\pm$ 0.03	0.2 $\pm$ 0.04
9.05 $\rightarrow$ 0	9047 $\pm$ 4 <sup>b</sup>	9050 $\pm$ 4 <sup>b</sup>	0.2 $\pm$ 0.03	0.3 $\pm$ 0.05
9.152 $\rightarrow$ 0	9148.61 $\pm$ 0.23	9151.61 $\pm$ 0.23 <sup>f</sup>	1.7 $\pm$ 0.2	
9.155 $\rightarrow$ 0		9154.92 $\pm$ 0.07 <sup>f</sup>		1.6 $\pm$ 0.07
9.155 $\rightarrow$ 5.27	3884.38 $\pm$ 0.10		0.8 $\pm$ 0.1	0.8 $\pm$ 0.2
9.155 $\rightarrow$ 5.30	3855 $\pm$ 2 <sup>b</sup>		1.0 $\pm$ 0.1	0.4 $\pm$ 0.04

Table 15.13 from (1981AJ01): Gamma radiation from  $^{14}\text{N}(n, \gamma)^{15}\text{N}$  (continued)

Transition in $^{15}\text{N}$	$E_\gamma$ <sup>a</sup> (keV)	$E_x$ (keV)	$I_\gamma$ <sup>c</sup>	
	(1974GR37, 1980GR1E)	(1974GR37, 1979GR1M)	(1967TH05)	(1971BE34)
9.155 $\rightarrow$ 6.32	$2831.13 \pm 0.11$		$2.0 \pm 0.2$	$2.4 \pm 0.4$
9.155 $\rightarrow$ 7.16	$1999.73 \pm 0.08$		$4.6 \pm 0.2$	$3.9 \pm 0.4$
9.155 $\rightarrow$ 7.30				$0.9 \pm 0.2$

C = capturing state.

<sup>a</sup> See also Table 15.13 in (1976AJ04) and (1979GR1M).

<sup>b</sup> (1967TH05).

<sup>c</sup> In units of photons/100 captures.

<sup>d</sup> (1968GR14).

<sup>e</sup> (1971BE34).

<sup>f</sup> E.K. Warburton, private communication.