Table 15.13 from (1976AJ04): Gamma radiation from $^{14}\text{N}(n, \gamma)^{15}\text{N}$

<table>
<thead>
<tr>
<th>Transition in $^{15}\text{N}$</th>
<th>$E_\gamma$ (keV)</th>
<th>$E_x$ (keV)</th>
<th>$I_\gamma$</th>
</tr>
</thead>
<tbody>
<tr>
<td>C → 0</td>
<td>10829.44 ± 0.13</td>
<td>10833.64 ± 0.13</td>
<td>13.3 ± 2.0</td>
</tr>
<tr>
<td>C → 5.27</td>
<td>5562.18 ± 0.10</td>
<td>10.3 ± 0.5</td>
<td>10.4 ± 0.7</td>
</tr>
<tr>
<td>C → 5.30</td>
<td>5533.38 ± 0.12</td>
<td>18.8 ± 0.9</td>
<td>18.5 ± 1.3</td>
</tr>
<tr>
<td>C → 6.32</td>
<td>4509.06 ± 0.11</td>
<td>16.6 ± 0.8</td>
<td>16.5 ± 1.2</td>
</tr>
<tr>
<td>C → 7.16</td>
<td>3677.80 ± 0.09</td>
<td>15.9 ± 0.8</td>
<td>15.0 ± 1.4</td>
</tr>
<tr>
<td>C → 7.30</td>
<td>3532.10 ± 0.15</td>
<td>9.9 ± 0.5</td>
<td>9.3 ± 0.6</td>
</tr>
<tr>
<td>C → 8.31</td>
<td>2520.62 ± 0.11</td>
<td>6.1 ± 0.3</td>
<td>6.0 ± 0.4</td>
</tr>
<tr>
<td>C → 9.05</td>
<td></td>
<td></td>
<td>0.7 ± 0.4</td>
</tr>
<tr>
<td>C → 9.152</td>
<td>1681.30 ± 0.19</td>
<td>1.4 ± 0.3 $^d$</td>
<td>1.7 ± 0.4</td>
</tr>
<tr>
<td>C → 9.155</td>
<td>1678.27 ± 0.05</td>
<td>9.2 ± 0.5</td>
<td>8.0 ± 1.0</td>
</tr>
<tr>
<td>C → 9.76</td>
<td></td>
<td>9757.5 ± 3 $^f$</td>
<td>0.2 ± 0.1</td>
</tr>
<tr>
<td>C → 9.93</td>
<td></td>
<td>9927.5 ± 3 $^e$</td>
<td>0.1 ± 0.04</td>
</tr>
<tr>
<td>5.27 → 0</td>
<td>5269.36 ± 0.10</td>
<td>5270.35 ± 0.10</td>
<td>30.6 ± 1.5</td>
</tr>
<tr>
<td>5.30 → 0</td>
<td>5298.16 ± 0.12</td>
<td>5299.16 ± 0.17</td>
<td>21.4 ± 1.1</td>
</tr>
<tr>
<td>6.32 → 0</td>
<td>6322.42 ± 0.12</td>
<td>6323.85 ± 0.12</td>
<td>18.8 ± 0.9</td>
</tr>
<tr>
<td>7.16 → 0</td>
<td></td>
<td>7155.36 ± 0.11</td>
<td></td>
</tr>
<tr>
<td>7.16 → 5.27</td>
<td>1884.88 ± 0.12</td>
<td>19.7 ± 1.0</td>
<td>18.3 ± 1.5</td>
</tr>
<tr>
<td>7.16 → 5.30</td>
<td>1857 ± 2 $^b$</td>
<td>0.8 ± 0.2</td>
<td>0.4 ± 0.2</td>
</tr>
<tr>
<td>7.30 → 0</td>
<td>7299.18 ± 0.17</td>
<td>7301.09 ± 0.17</td>
<td>10.0 ± 0.5</td>
</tr>
<tr>
<td>7.30 → 5.30</td>
<td></td>
<td></td>
<td>1.2 ± 0.4</td>
</tr>
<tr>
<td>8.31 → 0</td>
<td>8310.32 ± 0.14</td>
<td>8312.79 ± 0.14</td>
<td>4.4 ± 0.4</td>
</tr>
<tr>
<td>8.31 → 5.30</td>
<td>3013.7 ± 0.6 $^e$</td>
<td></td>
<td>0.7 ± 0.2</td>
</tr>
<tr>
<td>8.31 → 6.32</td>
<td>1989 ± 2 $^b$</td>
<td>1.5 ± 0.3</td>
<td>0.5 ± 0.2</td>
</tr>
<tr>
<td>8.57 → 0</td>
<td>8570 ± 4 $^b$</td>
<td>8573 ± 4 $^b$</td>
<td>0.2 ± 0.03</td>
</tr>
<tr>
<td>8.57 → 5.27</td>
<td>3299.7 ± 1.5 $^e$</td>
<td></td>
<td>0.2 ± 0.1</td>
</tr>
<tr>
<td>9.05 → 0</td>
<td>9047 ± 4 $^b$</td>
<td>9050 ± 4 $^b$</td>
<td>0.2 ± 0.03</td>
</tr>
<tr>
<td>9.152 → 0</td>
<td>9149.24 ± 0.22</td>
<td>9152.24 ± 0.22</td>
<td>1.7 ± 0.2</td>
</tr>
<tr>
<td>9.155 → 0</td>
<td></td>
<td>9155.27 ± 0.11</td>
<td></td>
</tr>
<tr>
<td>9.155 → 5.27</td>
<td>3884.38 ± 0.10</td>
<td>0.8 ± 0.1</td>
<td>0.9 ± 0.2</td>
</tr>
<tr>
<td>9.155 → 5.30</td>
<td>3855 ± 2 $^b$</td>
<td>1.0 ± 0.1</td>
<td>1.0 ± 0.2</td>
</tr>
</tbody>
</table>
Table 15.13 from (1976AJ04): Gamma radiation from $^{14}\text{N}(n, \gamma)^{15}\text{N}$ (continued)

<table>
<thead>
<tr>
<th>Transition in $^{15}\text{N}$</th>
<th>$E_\gamma$ $^a$ (keV)</th>
<th>$E_x$ (keV)</th>
<th>$I_\gamma$ $^c$</th>
</tr>
</thead>
<tbody>
<tr>
<td>$9.155 \rightarrow 6.32$</td>
<td>2831.13 $\pm$ 0.11</td>
<td>2.0 $\pm$ 0.2</td>
<td>2.4 $\pm$ 0.4</td>
</tr>
<tr>
<td>$9.155 \rightarrow 7.16$</td>
<td>1999.78 $\pm$ 0.09</td>
<td>4.6 $\pm$ 0.2</td>
<td>3.9 $\pm$ 0.4</td>
</tr>
<tr>
<td>$9.155 \rightarrow 7.30$</td>
<td></td>
<td>4.2 $\pm$ 0.3</td>
<td>0.9 $\pm$ 0.2</td>
</tr>
</tbody>
</table>

C = capturing state.

$^a$ See also (1969JO1G, 1969VA1B, 1971BE34, 1974IS06).

$^b$ (1967TH05).

$^c$ In units of photons/100 captures.

$^d$ (1968GR14).

$^e$ (1969JO1G).

$^f$ (1971BE34).