

Table 14.13 from (1976AJ04): Lifetimes of some ^{14}N states ^a

| E_x (MeV) | τ_m (fsec) | Reaction | Refs. |
|-------------------|--------------------------------|--|----------------------|
| 2.31 ^b | 83 ± 19 | $^{12}\text{C}(^3\text{He}, \text{p})$ | (1966LI07) |
| | 83 ± 30 | $^{12}\text{C}(^3\text{He}, \text{p})$ | (1965LO07) |
| | 114 ± 30 | $^{12}\text{C}(^3\text{He}, \text{p})$ | (1973HA40) |
| | 70 ± 10 | $^{13}\text{C}(\text{p}, \gamma)$ | (1971BI03) |
| | 75 ± 19 | $^{13}\text{C}(\text{p}, \gamma)$ | (1972RE10) |
| | 106 ± 10 | $^{14}\text{N}(\gamma, \gamma)$ | (1975RA22) |
| 3.95 ^c | 87 ± 6 | | mean |
| | 10.5 ± 3.5 | $^{13}\text{C}(\text{p}, \gamma)$ | (1971BI03) |
| 4.92 ^d | 4.5 ± 0.4 ^A | $^{14}\text{N}(\text{e}, \text{e})$ | (1964BI09, 1967OL02) |
| | 7.05 ± 1.5 | $^{13}\text{C}(\text{d}, \text{n})$ | (1974RU1B) |
| 5.11 ^e | 10 ± 3 | $^{14}\text{N}(\gamma, \gamma)$ | (1974RAZD) |
| | 7.6 ± 1.4 | | mean |
| 5.69 | (12.4 ± 1.4) psec ^A | $^{12}\text{C}(\text{t}, \text{n})$ | (1968AL12) |
| 5.83 | < 21 fsec | $^{12}\text{C}(^3\text{He}, \text{p})$ | (1973HA40) |
| | < 15 fsec | $^{13}\text{C}(\text{p}, \gamma)$ | (1971BI03, 1972RE10) |
| 6.20 ^f | 10.0 ± 2.0 ^A | $^{13}\text{C}(\text{d}, \text{n})$ | (1974RU1B) |
| | 18 ± 2 psec ^A | $^{12}\text{C}(\text{t}, \text{n})$ | (1968AL12) |
| 6.44 | 200 ± 45 | $^{12}\text{C}(^3\text{He}, \text{p})$ | (1973HA40) |
| | 118 ± 13 | $^{13}\text{C}(\text{p}, \gamma)$ | (1971BI03) |
| 7.03 | 124 ± 15 | | mean |
| | 630 ± 80 | reactions 1, 6, 21 | (1969TH01) |
| | 590 ± 120 | $^{12}\text{C}(^3\text{He}, \text{p})$ | (1964BE12) |
| | 630 ± 100 | $^{12}\text{C}(^3\text{He}, \text{p})$ | (1973HA40) |
| 7.03 | 630 ± 40 | $^{12}\text{C}(^3\text{He}, \text{p})$ | (1970GA09) |
| | 627 ± 33 | | mean |
| 7.03 | 5.4 ± 0.5 | $^{14}\text{N}(\gamma, \gamma)$ | (1966SW01) |

A = adopted.

^a See also Table 14.12, and also Table 14.13 in (1970AJ04).

^b See also (1974RU1B).

^c See also (1974RU1B, 1973HA40).

^d See also (1973HA40).

^e See also Table 14.13 in (1970AJ04) and (1974RU1B).

^f See also (1970GA09).