

Table 17.9 from (1986AJ04): States of  $^{17}\text{O}$  from  $^{14}\text{C} + ^3\text{He}$  <sup>a</sup>

| $E_{\text{res}}$ (MeV) | Resonant for   | $\Gamma_{\text{c.m.}}$ (MeV) | $E_{\text{x}}$ (MeV) | $J^{\pi}$           |
|------------------------|--|------------------------------|----------------------|---------------------|
| $3.6 \pm 0.1$          | $\gamma_0, (\gamma_1), \alpha_0, \alpha_1$                     | 0.75                         | 21.7                 | $\frac{5}{2}^+$     |
| $4.1 \pm 0.1$          | $\gamma_0, \mathbf{n}_0, \mathbf{n}_{3+4}, \alpha_0, \alpha_1$ | 0.75                         | 22.1                 | $\frac{7}{2}^-$     |
| $4.6 \pm 0.2$          | $\gamma_1$   | $\approx 1$                  | 22.5                 | $\frac{3}{2}^{(-)}$ |
| $5.1 \pm 0.1$          | $\gamma_0, ^3\text{He}$  | $\approx 0.4$                | 23.0                 | $\frac{1}{2}^+$     |
| $5.7 \pm 0.1$          | $\gamma_1$   |                              | 23.5                 |                     |
| $6.9 \pm 0.1$          | $\gamma_1$   |                              | 24.4                 |                     |

<sup>a</sup> For references see [Table 17.9 in \(1977AJ02\)](#).