

Table 15.28 from (1976AJ04):
States of ^{15}O from $^{16}\text{O}(^3\text{He}, \alpha)^{15}\text{O}$

| E_x (MeV \pm keV) | | l_n^a | l_n^b | S^c | J^d |
|------------------------------|------------------|---------|---------|-------------|---------------|
| (1974EL09) | A | | | | |
| 0 | 0 | 1 | 1 | 0.9 | |
| 5.182 \pm 10 | 5.174 \pm 10 | 0 | 0 | ≤ 0.10 | |
| | 5.167 \pm 15 | | | | |
| | 5.193 \pm 11 | | | | |
| 5.241 \pm 10 | 5.233 \pm 10 | 2 | 2 | 0.04 | $\frac{5}{2}$ |
| | 5.243 \pm 10 | | | | |
| 6.175 \pm 10 | | 1 | 1 | 1 | $\frac{3}{2}$ |
| 6.791 \pm 10 | | 2 | 2 | | $\frac{3}{2}$ |
| 6.861 \pm 10 | | 2 | 2 | | $\frac{3}{2}$ |
| 7.278 \pm 10 | 7.2742 \pm 1.4 | (4) | | | $\frac{5}{2}$ |
| 7.557 \pm 10 | | 0 | | | |
| 8.290 \pm 10 | | 2 | | | |
| 8.744 \pm 10 | | 0 | | | |
| 8.924 \pm 10 | | 2 | | | |
| 8.985 \pm 10 | | 1 | | | |
| 9.493 \pm 20 | | | | | |
| 9.535 \pm 20 | | | | | |
| 9.611 \pm 10 | | 1 | | | |
| 9.668 \pm 10 | | 1 | | | |
| 10.286 \pm 10 | | (2) | | | |
| 10.469 \pm 10 | | | | | |
| 10.900 \pm 20 | | | | | |
| 10.945 \pm 20 | | | | | |
| 11.010 \pm 10 | | | | | |
| 11.158 \pm 10 | | | | | |
| 11.217 \pm 20 | | | | | |
| 11.578 \pm 10 | | | | | |
| 11.740 \pm 20 ^f | | | | | |
| 11.960 \pm 20 | | | | | |

Table 15.28 from (1976AJ04):
States of ^{15}O from $^{16}\text{O}(^3\text{He}, \alpha)^{15}\text{O}$ (continued)

| E_x (MeV \pm keV) | | l_n^a | l_n^b | S^c | J^d |
|-----------------------|---|---------|---------|-------|-------|
| (1974EL09) | A | | | | |
| 11.995 \pm 20 | | | | | |
| 16.8 ^e | | | | | |
| 23.0 ^e | | | | | |

A: Older values: see [Table 15.30 in \(1970AJ04\)](#) for references.

^a $E(^3\text{He}) = 15$ MeV ([1974EL09](#)).

^b $E(^3\text{He}) = 11$ MeV ([1968BO14](#)), 16 MeV ([1969DE06](#)), 24 and 28 MeV ([1973FU02](#)).

^c $E(^3\text{He}) = 28$ MeV ([1973FU02](#)).

^d From angular correlation measurements: see ([1966GA19](#), [1966GO15](#), [1967GO07](#), [1967HE1A](#), [1968GI01](#), [1971AV04](#)).

^e Structures observed at $E(^3\text{He}) = 216$ MeV ([1975GE16](#)).

^f F. El Bedewi, private communication.