

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.