

Table 19.7 from (1995TI07):  
Levels of  $^{19}\text{O}$  from  $^{18}\text{O}(\alpha, ^3\text{He})^{19}\text{O}$  <sup>a</sup>

$E_x$ (MeV)	$l$	$J\pi$ <sup>b</sup>	$\sigma_{\text{Int}}$ <sup>c</sup> (mb)
0	2	$\frac{5}{2}^+$	2.60
0.1	2	$\frac{3}{2}^+$	0.19
1.47	0	$\frac{1}{2}^+$	0.08
3.07	2	$\frac{3}{2}^+$	0.03
3.15	2	$\frac{5}{2}^+$	0.06
3.24	2	$\frac{3}{2}^+$	0.05
4.70	2	$\frac{5}{2}^+$	0.09
5.33 <sup>d</sup>	2	$\frac{3}{2}^+$	0.18
5.70	3	$\frac{7}{2}^-$ <sup>e</sup>	0.14
6.27	3	$\frac{7}{2}^-$	0.31

<sup>a</sup> (1992YA08)  $E_{\alpha} = 65$  MeV; DWBA analysis.

<sup>b</sup> Cited from (1987AJ02).

<sup>c</sup> Integrated cross section.

<sup>d</sup> See discussion of this level in (1992YA08) and (1974SE01). See also Table 19.6 here.

<sup>e</sup> Proposed in (1992YA08).