

Table 16.10 from (1959AJ76):  $^{16}\text{O}$  levels from  $^{19}\text{F}(p, \alpha)^{16}\text{O}$

A		B		
$E_x$ (MeV)	$\Gamma$ (keV)	$E_x$ (MeV)	$\frac{d\sigma}{d\Omega}$ <sup>a</sup>	$J^\pi$
0	< 20	0		0 <sup>+</sup>
6.051 ± 0.010	< 20	6.058 ± 0.017	0.1	0 <sup>+</sup>
6.131 ± 0.010	< 20	6.138 ± 0.011	0.8	3 <sup>-</sup>
6.920 ± 0.010	< 20	6.926 ± 0.011	1	2 <sup>+</sup>
7.120 ± 0.010	< 20	7.122 ± 0.011	2	1 <sup>-</sup>
8.874 ± 0.012	< 20	8.882 ± 0.011	0.6	2 <sup>-</sup>
9.852 ± 0.012	< 20			
10.363 ± 0.014	≈ 25 – 30			
11.085 ± 0.014	≈ 25 – 30			

A: (1956SQ1A):  $E_p = 7$  MeV.

B: (1957YO04):  $E_p = 5.2$  MeV;  $E_x$  calculated from reported  $Q$ -values and  $Q_m$ .

<sup>a</sup> Cross sections in mb/sr at  $\theta = 180^\circ$ .