

Table 18.11 from (1995TI07): States of  $^{18}\text{O}$  from  $^{13}\text{C}(^6\text{Li}, \text{p})$  <sup>a</sup>

$E_x$ <sup>a</sup> (MeV $\pm$ keV)	$\sigma_{\text{tot}}$ <sup>a,b</sup> ( $\mu\text{b}$ )	$E_x$ <sup>a</sup> (MeV $\pm$ keV)	$\sigma_{\text{max}}$ <sup>a</sup> ( $\mu\text{b}/\text{sr}$ )
0	$6.1 \pm 0.3$	$8.667 \pm 13$	$20.8 \pm 1.0$
$1.987 \pm 8$	$39 \pm 1$	$8.82 \pm 20$	$13.0 \pm 0.9$
$3.555 \pm 10$	$56 \pm 1$	$8.96 \pm 20$	$16.3 \pm 1.0$
$3.632 \pm 15$	$13 \pm 1$	$9.72 \pm 30$	$26.3 \pm 1.3$
$3.926 \pm 6$	$36 \pm 1$	$10.09 \pm 30$	$30.6 \pm 1.5$
$4.455 \pm 8$	$46 \pm 1$	$10.28 \pm 30$	$100 \pm 5$
$5.095 \pm 11$	$74 \pm 1$	$10.63 \pm 30$	$31.3 \pm 1.6$
$5.256 \pm 9$	$44 \pm 1$	$10.90 \pm 30$	$42.7 \pm 2.1$
$5.374 \pm 8$	$35 \pm 1$	$10.99 \pm 20$	$84.8 \pm 4.2$
$5.532 \pm 8$	$45 \pm 1$	$11.12 \pm 20$	$17.7 \pm 0.9$
$6.199 \pm 8$	$37 \pm 1$	$11.26 \pm 20$	$33.9 \pm 1.7$
$6.383 \pm 11$ <sup>c</sup>	$131 \pm 2$	$11.42 \pm 30$	$46.6 \pm 2.3$
$6.882 \pm 19$	$5.3 \pm 0.4$	$11.61 \pm 30$	$34.1 \pm 1.7$
$7.117 \pm 5$ <sup>d</sup>	$208 \pm 2$	$11.70 \pm 30$	$75.4 \pm 3.8$
$7.618 \pm 10$	$33 \pm 1$	$11.85 \pm 30$	$81.9 \pm 4.1$
$7.764 \pm 14$	$37 \pm 1$	$12.07 \pm 30$	$34.2 \pm 1.7$
$7.850 \pm 13$	$101 \pm 1$	$12.23 \pm 30$	$32.1 \pm 1.6$
$7.962 \pm 12$	$84 \pm 1$	$12.33 \pm 30$	$50.4 \pm 2.5$
$8.026 \pm 14$	$19 \pm 1$	$12.44 \pm 30$	$96.0 \pm 4.8$
$8.120 \pm 12$	$140 \pm 2$	$12.54 \pm 30$	$90.2 \pm 4.5$
$8.200 \pm 17$	$48 \pm 1$	$13.08 \pm 30$	$48.4 \pm 2.4$
$8.274 \pm 15$	$103 \pm 2$	$13.23 \pm 30$	$99.3 \pm 5.0$
$8.401 \pm 12$	$45 \pm 1$	$13.48 \pm 30$	$24.6 \pm 1.2$
$8.496 \pm 15$	$75 \pm 1$	$13.60 \pm 30$	$29.0 \pm 1.5$
		$13.81 \pm 30$	$159 \pm 8$
		$14.14 \pm 30$	$92.7 \pm 4.6$
		$15.80 \pm 30$	$136 \pm 7$

<sup>a</sup> (1988SM01). The maximum value of the differential cross section results were compared with a Hauser-Feshbach calculation. The comparison suggests the the presence of an additional nonstatistical mechanism.

<sup>b</sup> See Table 18.5 in (1987AJ02), which shows a comparison with  $\sigma_{\text{tot}}$  from  $^{12}\text{C}(^7\text{Li}, \text{p})$  for  $E_x \leq 8.3$  MeV.

<sup>c</sup> Unresolved doublet (1988SM01).

<sup>d</sup> See discussion of  $\Gamma_\gamma/\Gamma$  results from (1994ME02) under reaction 3 here.