

Table 20.19 from (1959AJ76): Levels of  $^{20}\text{Ne}$   
 from  $^{20}\text{Ne}(\text{p}, \text{p}')^{20}\text{Ne}^*$ ,  $^{20}\text{Ne}(\alpha, \alpha')^{20}\text{Ne}^*$  and  $^{23}\text{Na}(\text{p}, \alpha)^{20}\text{Ne}$

$E_x^a$ (MeV $\pm$ keV)	$E_x^b$ (MeV)	$E_x^c$ (MeV)	$E_x^d$ (MeV $\pm$ keV)
0	0	0	0
1.58 $\pm$ 10	1.63	1.63	1.635 $\pm$ 6 <sup>e</sup>
4.20 $\pm$ 10	4.26	4.25	4.248 $\pm$ 6
4.95 $\pm$ 20	4.97	4.97	4.969 $\pm$ 6
5.62 $\pm$ 20	5.81	5.81	5.631 $\pm$ 6
		7.2	
	7.45		
	7.85		
	9.2		
	10.0		

<sup>a</sup>  $^{20}\text{Ne}(\text{p}, \text{p}')$ : (1954FR43),  $E_p = 9.5$  MeV.

<sup>b</sup>  $^{20}\text{Ne}(\text{p}, \text{p}')$ : (1956SC1F),  $E_p = 18$  MeV; energies for identification only.

<sup>c</sup>  $^{20}\text{Ne}(\alpha, \alpha')$ : (1958SE51),  $E_\alpha = 18$  MeV; energies for identification only.

<sup>d</sup>  $^{23}\text{Na}(\text{p}, \alpha)$ : (1957BU36),  $E_p = 7.0$  to  $7.5$  MeV.

<sup>e</sup>  $1.634 \pm 4$  (1953DO04).