

Table 20.17 from (1978AJ03): States of ^{20}F from $^{22}\text{Ne}(\text{d}, \alpha)^{20}\text{F}$ ^a

E_x (keV)	E_x (keV)	E_x (keV)	E_x (keV)
655 ± 2	3680 ± 3	5224 ± 6	6205 ± 6
824 ± 3	3762 ± 4	5276 ± 5	6240 ± 7
983 ± 3	3964 ± 4	5321 ± 4 ^b	6300 ± 5
1056 ± 4	4083 ± 4	5405 ± 5	6337 ± 5
1307 ± 3	4206 ± 4 ^b	5451 ± 5 ^b	6370 ± 6
1830 ± 7 ^b	4279 ± 4 ^b	5557 ± 5	6407 ± 12
1970 ± 4	4372 ± 4	5574 ± 6	6441 ± 9
2042 ± 3	4518 ± 4	5623 ± 4	6480 ± 5
2192 ± 3	4597 ± 4 ^b	5710 ± 11	6588 ± 5
2864 ± 3	4728 ± 8	5765 ± 3	6645 ± 5 ^b
2967 ± 3	4764 ± 7	5813 ± 4	6711 ± 5 ^b
3174 ± 3	4888 ± 4 ^b	5940 ± 5	6772 ± 6
3491 ± 4 ^{b,c}	5048 ± 4 ^b	6040 ± 4 ^b	6860 ± 13
3589 ± 3	5131 ± 5	6163 ± 6	6905 ± 8

^a (1976FO16): $E_d = 10$ MeV.

^b Unresolved.

^c Earlier results showed that $^{20}\text{F}^*(3.49)$ is strongly populated and that $^{20}\text{F}^*(3.53)$ is weakly populated, and has an angular distribution which is roughly symmetric about 90° . These results are consistent with $J^\pi = 1^+$ and 0^+ , respectively (1971FO14).