

Table 20.16 from (1978AJ03):
 Analog states of $A = 20$ observed in $^{21}\text{Ne}(d, ^3\text{He})^{20}\text{F}$ and $^{21}\text{Ne}(d, t)^{20}\text{Ne}$ ^a

$^{20}\text{F}^*$ (MeV) ^b	J^π	$^{20}\text{Ne}^*$ (MeV \pm keV)	l	C^2S			
				^{20}F		^{20}Ne	
0	2 ⁺	10.27 ^b	0 + 2	0.24 + 0.58		0.08 + 0.25	
0.66	3 ⁺	10.880 \pm 10	2	0.66		0.42	
0.82	4 ⁺	11.086 \pm 10	2	0.26		0.18	
0.98	1 ⁻		1		0.84		0.52
		11.27					
1.06	1 ⁺		0 + 2	0.08 + 0.25		0.03 + 0.18	
1.31	2 ⁻	11.601 \pm 10	1		0.86		0.50
1.84	2 ⁻	12.100 \pm 10	1		0.69		0.43
2.04	2 ⁺		2	0.15			
2.19	(3 ⁺)		2	0.16			
			sums:	$l = 0 + 2$ 2.38	$l = 1$ 2.39	$l = 0 + 2$ 1.14	$l = 1$ 1.45

^a (1974MI13); $E_d = 26$ MeV; DWBA analysis of angular distributions. See Table 20.38 for $T = 0$ states in ^{20}Ne observed in the (d, t) reaction.

^b E_x are nominal.