

Table 20.35 from (1983AJ01): States of ^{20}Ne from $^{24}\text{Mg}(d, ^6\text{Li})^{20}\text{Ne}$

E_x (MeV \pm keV) ^a	L ^a	$J\pi$ ^a	S_α ^{a,b}	S_α ^c	S_α ^d
0	0	0 ⁺	1.00	\equiv 1.00	\equiv 1.00
1.632	2	2 ⁺	0.80	0.79	0.31
4.248	4	4 ⁺	0.91	see ^c	0.85
4.963 \pm 7					
5.619	3	3 ⁻	3.02	8.15	3.1
5.786 \pm 7	1	1 ⁻	0.24	1.6	0.42 ^d
6.715 \pm 10	0	0 ⁺	0.04	see ^c	
7.004 \pm 7					
7.180 \pm 7	see ^a		see ^a	1.1	0.67 ^d
7.416 \pm 7	2	2 ⁺	0.19	see ^c	0.67
7.829	2	2 ⁺	see ^a	see ^c	5.9 ^d
8.449	5	5 ⁻	1.02	\approx 1	2.0
8.704 \pm 15	1	1 ⁻		see ^c	
8.777	6	6 ⁺	1.64	1.2	7.0
8.86 \pm 20	1	1 ⁻	0.07	see ^c	
9.026 \pm 7	4	4 ⁺	see ^a		14 ^d
9.100 \pm 15	3	3 ⁻	0.30		
9.300 \pm 7					
9.466 \pm 7					
9.943 \pm 15					
10.04 \pm 30	4		0.34	0.70	
10.27 ^c				0.34	
10.40 ^c				0.66	
10.572 \pm 7	2		0.16		
10.848 \pm 7	2 + 3		see ^a	0.32	
10.90 \pm 20					
11.00 \pm 20	4		0.27	0.32	
11.22 \pm 20	1		0.12		
11.30 \pm 20	2		0.08		
11.56 \pm 20					
11.85 \pm 20	2		0.13		

Table 20.35 from (1983AJ01): States of ^{20}Ne from $^{24}\text{Mg}(d, ^6\text{Li})^{20}\text{Ne}$ (continued)

E_x (MeV \pm keV) ^a	L ^a	J^π ^a	S_α ^{a,b}	S_α ^c	S_α ^d
11.92 \pm 20	4		0.32	0.13	
11.95 ^c				1.2	
11.96 ^c				0.32	
12.39 \pm 20	0 + 3		see ^a	see ^c	
12.54 \pm 20					
12.95 \pm 20					
13.34 \pm 20					
13.68 \pm 20					
13.91 \pm 20					

^a (1981VE05): $E_d = 55$ MeV. E_x values without uncertainties were used for calibration. L -values shown are the dominant ones.

^b Average of values from ZRDWBA and FRDWBA analyses. K^π assignments are also discussed by (1981VE05). See also (1976CO23, 1980YA02) for S_α .

^c (1980OE01): $E_d = 80$ MeV; DWUCK 5 analysis; values recalculated relative to unity for the ground state.

^d (1978FO08): $E_d = 28$ MeV; DWBA analysis; values recalculated relative to unity for the ground state. K^π assignments are also discussed.