Table 20.16 from (1972AJ02): Excited states of ^{20}Ne from ^{12}C(^{12}C, α)^{20}Ne

E_x (MeV ± keV)							$\Gamma_{c.m.}$ (keV)	J^π [e]	K^π
(1961AL12) [a]	(1964PE02) [a]	(1967KU04) [a]	(1971HA26) [b]	(1971MI09) [a,c]	(1971PA1C) [a,d]	(1971SC12) [a]			
			1.6329 ± 1.0					2^+	0^+
4.25 ± 20	4.25 ± 20		4.2456 ± 2.5					4^+	0^+
4.97 ± 20	4.97 ± 20		4.9663 ± 2.5					2^-	2^-
5.64 ± 20	5.62 ± 20		5.618 ± 4					3^-	2^-
5.81 ± 20	5.79 ± 20							1^-	0^-
6.17 ± 20									
6.74 ± 20	6.71 ± 20			6.722 ± 4				0^+	
6.87 ± 20									
7.05 ± 20	7.02 ± 20		7.004 ± 4	7.007 ± 4				4^-	2^-
7.19 ± 20	7.17 ± 20			7.159 ± 4		7.15 ± 60		3^-	0^-
7.25 ± 20	7.21 ± 20			7.195 ± 4				0^+	
7.46 ± 20	7.43 ± 20			7.421 ± 4				2^+	
7.65 ± 20									
7.86 ± 20	7.85 ± 20			7.833 ± 4		7.83 ± 60		2^+	
7.93 ± 20									
8.52 ± 20	8.46 ± 20		8.446 ± 9					5^-	2^-
	8.71 ± 20					8.73 ± 60		1^-	
	8.79 ± 20								
8.92 ± 20	8.87 ± 20								
	9.04 ± 20								
	9.11 ± 20								
	(9.31 ± 20)								
	9.48 ± 20								

Table 20.16 from (1972AJ02): Excited states of ^{20}Ne from ^{12}C(^{12}C, α)^{20}Ne (continued)

E_x (MeV ± keV)							$\Gamma_{c.m.}$	J^π [e]	K^π
(1961AL12) [a]	(1964PE02) [a]	(1967KU04) [a]	(1971HA26) [b]	(1971MI09) [a,c]	(1971PA1C) [a,d]	(1971SC12) [a]	(keV)		
			9.950 ± 6						
	10.24 ± 20							(1^+)	
		10.57 ± 40					< 40	4^+	
		(10.65)	10.609 ± 7					6^-	2^-
			10.920 ± 7						
			11.528 ± 6						
		11.99 [f,g]						8^+	0^+
		12.19 ± 40					< 40	6^+	
						12.5 ± 300		6^+	
		13.39 ± 40				13.43 ± 60	< 40	7^-	2^-
					15.18 ± 40			9^-	
					15.62 ± 30		≤ 23	(8^-)	2^-
					15.9 ± 40			5^-	
					15.9 ± 40			8^+	
					17.4		≤ 23	$8 < J < 12$	
					18.15 ± 40		≤ 40	7^-	

[a] From measurements of particle groups.

[b] From measuremenets of γ-rays.

[c] See also (1971MI1J).

[d] A.D. Panagiotou, private communication; see also (1970PA08).

[e] From work done with this reaction.

[f] (1966KU03).

[g] See also (1971MA23).