

Table 14.5 from (1970AJ04): Proton groups from $^{13}\text{C}(\text{d}, \text{p})^{14}\text{C}$

(1954SP01)	(1955MC75)			(1958WA02, 1959WA04)		(1966GL01)		(1960MA32)
E_x (MeV \pm keV)	E_x (MeV \pm keV)	l_n^c	J^π	J^π	$\theta_n^2^g$	$\theta_n^2^{g,h}$	$\theta_n^2^{g,i}$	$\theta_n^2^{g,k}$
0	0	1	$0^+, 1^+, 2^+$	0^+	0.10	0.067	0.031	0.063
6.091 ± 10^a	6.09	0	$0^-, 1^-$	1^-	0.40^j	0.20	0.13	0.20
	6.589 ± 20	$1, 2, 3^f$	$(1^-, 2, 3^-)$		$\lesssim 0.01$	0.008		0.006
6.723 ± 10^b	6.72	2	$1^-, 2^-, 3^-$	$3^-(2^-)$	0.11	0.065	0.052	0.07
6.894 ± 10^b	6.89	$0, 1^f$	$0, 1, 2^+$	0^-	0.39	0.24		
						0.0012^1		
	7.346 ± 20	2	$1^-, 2^-, 3^-$	$2^-, 3^-$	0.11	0.072	0.061	0.06
	8.321 ± 20					0.009		0.0015
	9.800 ± 20							
	10.433 ± 20							
	10.505 ± 20							
	11.9 ± 300^d							
	12.601 ± 20^e							
	12.854 ± 20							
	12.958 ± 20							

^a 6.112 ± 0.012 MeV (1961JA23).

^b The spacing of these two levels is 171 ± 3 keV (1954SP01).

^c See also (1959AJ76).

^d $\Gamma_{\text{lab}} = 1.10 \pm 0.30$ MeV.

^e $\Gamma_{\text{lab}} = 0.130 \pm 0.020$ MeV.

^f See footnotes 18 and 31 in (1958WA02).

^g From PWBA analysis, assuming $J^\pi = 0^+, 1^-, 3^-, 0^-, 2^-$.

^h $E_d = 12$ MeV.

ⁱ $E_d = 8$ MeV.

^j $E_d = 4.7$ and 6 MeV, $\theta^2 = 0.95 \pm 0.24$, DWBA analysis (1963LI09).

^k $E_d = 14.8$ MeV.

¹ For $^{14}\text{C}^*(7.01)$.