

Table 12.29 from (2017KE05): Recent work on $^{12}\text{C}(p, p)$ angular distributions

E_p (MeV)	Angular distribution to ^{12}C	References
2.4-1000	g.s., 4.4, 7.7, 9.6, 10.8, 11.8, 12.7, 14.0, 15.1, 16.1, 18.4, 19.3, 20.8	See references in (1968AJ02)
5.9-1040	g.s., 4.4, 7.7, 9.6, 10.8, (11.8), 12.7, 14.05, 15.1, 16.1, 18.2, 18.8, 19.3, 20.4, 21.5, 22.1, (22.4), 22.6, 23.5, 23.9, 25.3, (25.8), 27, 29.4	See references in (1975AJ02)
1.5-1000	g.s., 4.4, 7.7, 9.6, 12.7, 15.1, 15.4, 16.1	See references in (1980AJ01)
6.6-1000	g.s., 4.4, 7.7, 9.6, 10.8, 11.8, 12.7, 13.4, 14.05, 15.1, 15.3, 16.1, 16.6, 18.3, 19.2, 20.5	See references in (1985AJ01)
12.1-1000	g.s., 4.4, 7.7, 9.6, 12.7, 14.1, 15.1	See references in (1990AJ01)
0.45-2.2	g.s.	(1993LI62)
$\vec{1.0}-\vec{2.1}$	g.s. ^a	(1992BA30)
1.0-8.0	g.s., 4.4	(2011GU31)
1.5-1.8	g.s.	(1993DA16)
< 1.9	g.s.	(1990ER02)
1.8, 1.83	g.s.	(1994FA05)
2.5-3.6	g.s.	(1991YA10)
2.7-7.0	g.s.	(2011AB05)
< 3	g.s.	(2004JI10)
3-7	g.s.	(2006CA19)
$\vec{3.5}-\vec{7.5}$	g.s.	(1993SY01)
4.6-6.6	g.s.	(2000TO15)
4.9-6.1	g.s.: backscatter analysis	(2010TO03)
7.5	g.s., 4.4: $\theta_{p-\gamma}$	(2006LE45)
8.4-20	4.44 (γ)	(1998KI15)
11-13	g.s., 4.44 ^a	(1991KA12)
14.23	g.s. ^a	(1992WI13)
16.5-20	g.s.	(1994AI04)
20	15.11: $\alpha_\pi = N_{e^+e^-}/N_{\gamma_0} = (3.3 \pm 0.5) \times 10^{-3}$	(1993BU23)
21	10.6, 12.7, 15.1	(1995SU30)
22	g.s. ^a	(2003AN11)
25	7.65, 9.64, \approx 9.75, 10.8, 11.8, 12.71	(2011ZI01)
$\vec{35}$	12.7, 15.1, 16.1	(1990IE01)
50	g.s., 4.44, 7.65, 9.61	(1994HA61)
65-400	12.7, 15.1	(1995SA28)
66	7.654, 9.641: $\Gamma(9.641) = 48 \pm 2$ keV	(2013KO14)
66	g.s., 4.4, 7.65, 9.64, 9.75, 10.84, 11.83	(2009FR07, 2010FR03, 2012FR05)
71.2	g.s.	(1990EV01)
$\vec{100}-\vec{180}$	15.1: $\theta_{p-\gamma}$	(1990PL06)

Table 12.29 from (2017KE05): Recent work on $^{12}\text{C}(p, p)$ angular distributions (continued)

E_p (MeV)	Angular distribution to ^{12}C	References
100-400	12.7, 15.11	(1994SA42)
$\overrightarrow{150}$	g.s.	(2003HA12)
156	15.1, 16.1, 18.3, 19.4, 20.6, 21.6, 22.0, 22.7	(1997TE14)
170	15.1, 16.1, 18.35, 19.4, 21.6	(2001WO07)
$\overrightarrow{189}$	g.s.	(1992WI01)
$\overrightarrow{198}$	12.7, 15.11	(2001OP01)
$\overrightarrow{200}$	15.11	(1995WE10)
200	g.s.: $\theta = 160^\circ$ - 180°	(1996YU02)
$\overrightarrow{200}$	g.s.	(1999CA11, 1999CA15)
$\overrightarrow{200}$ - $\overrightarrow{800}$	4.44, 9.64, 10.84, 12.71, 15.11, 16.11, 16.58, 18.3, 19.4, 19.29, 19.65	(1994JO07)
280	15.11	(1990MI10)
$\overrightarrow{290}$, $\overrightarrow{420}$	g.s.: quasielastic	(1990CH16)
295	12.7, 15.11	(2007TA27, 2009TA13)
$\overrightarrow{319}$	12.7, 15.11	(1990BA14, 1990BA61)
300	g.s., 4.44, 7.65, 9.64, 12.71, 15.11	(2010OK01)
$\overrightarrow{318}$	15.11: $\theta_{p-\gamma}$	(1992LY01)
$\overrightarrow{318}$	g.s., 9.6, 12.7, 15.11, 18.3, 19.28, 19.65, 21.5, 22.0, 22.7, 23.8, 25.5	(1993BA37)
$\overrightarrow{392}$	7.65, 12.7, 15.1, 18.4, 19.5, 20.5, 22.5	(1999TA22)
$\overrightarrow{500}$	12.71, 15.11	(1991CH31)
$\overrightarrow{500}$	g.s.	(1990HO06, 1991BA45, 1996HO08)
800	Δ	(1995EN06)
1000	g.s.	(2004AN01)

^a Analyzed resonances in ^{13}N .