

Table 12.36 from (2017KE05): Summary of  $^{12}\text{C}(^6\text{He}, ^6\text{He}), (^7\text{Be}, ^7\text{Be}), (^8\text{Li}, ^8\text{Li}), (^8\text{B}, ^8\text{B}), (^9\text{Be}, ^9\text{Be}), (^{10}\text{Be}, ^{10}\text{Be}), (^{10}\text{B}, ^{10}\text{B}), (^{11}\text{Li}, ^{11}\text{Li}), (^{11}\text{Be}, ^{11}\text{Be}), (^{11}\text{B}, ^{11}\text{B})$  angular distributions studies

$E(^6\text{He})$ (MeV)	$^{12}\text{C}$ States	References
5.9	g.s.	(1998OS02, 1999OS04, 2002OS04)
10	g.s.	(1995WA01)
57	g.s.	(1997PE03)
41.6 MeV/A	g.s.	(1996AL11)
38.3 MeV/A	g.s.	(2002LA20)
18	g.s.	(2004MI05, 2006MI19)
30	g.s., 4.4	(2014SM01)
82 MeV/A	quasi-elastic	(2011LO07)
$E(^7\text{Be})$ (MeV)	$^{12}\text{C}$ States	References
8-22.4	g.s.	(1990SM04)
18.8	g.s.	(2011BA25, 2011ZA05)
140	g.s.	(1989YA02)
280	quasi-elastic, breakup	(1995PE09, 1996SK04, 1997PE03)
$E(^8\text{Li})$ (MeV)	$^{12}\text{C}$ States	References
13-20	g.s.	(1989BE28, 1993BE22)
23.9	g.s.	(2009BA42)
$E(^8\text{B})$ (MeV)	$^{12}\text{C}$ States	References
25.8	g.s.	(2011BA25)
320	quasi-elastic, breakup	(1995PE09, 1996SK04, 1997PE03)
$E(^9\text{Be})$ (MeV)	$^{12}\text{C}$ States	References
$E(^{12}\text{C}) = 12-21$	g.s.	See references in (1975AJ02)
$E(^{12}\text{C}) = 12-21$	g.s., 4.4, 7.65, 9.6	See references in (1980AJ01)
14-26, 39.7, 43.8	g.s., 4.4	See references in (1980AJ01)
20-158.3	g.s., 4.4	See references in (1985AJ01)
$E(^{12}\text{C}) = 65$	g.s., 4.4, 7.7, 9.6	See references in (1990AJ01)
13-21	g.s.	(2011OL01)
26	g.s.	(2011ZA05)
40	g.s.	(2013LI09)
$E_{\text{cm}} = 3-16$	g.s., 4.4	(1995CA26)
$E(^{10}\text{Be})$ (MeV)	$^{12}\text{C}$ States	References
23.2	g.s.	(2011ZA05)

Table 12.36 from (2017KE05): Summary of  $^{12}\text{C}(^6\text{He}, ^6\text{He})$ ,  $(^7\text{Be}, ^7\text{Be})$ ,  $(^8\text{Li}, ^8\text{Li})$ ,  $(^8\text{B}, ^8\text{B})$ ,  $(^9\text{Be}, ^9\text{Be})$ ,  $(^{10}\text{Be}, ^{10}\text{Be})$ ,  $(^{10}\text{B}, ^{10}\text{B})$ ,  $(^{11}\text{Li}, ^{11}\text{Li})$ ,  $(^{11}\text{Be}, ^{11}\text{Be})$ ,  $(^{11}\text{B}, ^{11}\text{B})$  angular distributions studies (continued)

39.1 MeV/A	g.s.	(2008LA01)
$E(^{10}\text{B})$ (MeV)	$^{12}\text{C}$ States	References
18, 100	g.s., 4.4, 7.7, 9.6, 10.8, 11.8, 12.7, 13.4, 14.1, 14.8	See references in (1975AJ02)
100	g.s., 4.4, 9.6	See references in (1980AJ01)
18-46	g.s.	See references in (1985AJ01)
$E(^{11}\text{Li})$ (MeV)	$^{12}\text{C}$ States	References
550	g.s.	(2003PE01)
637, 660	quasi-elastic	(1992KO14, 1996ZA04)
$E(^{11}\text{Be})$ (MeV)	$^{12}\text{C}$ States	References
38.4 MeV/A	g.s.	(2008LA01)
$E(^{11}\text{B})$ (MeV)	$^{12}\text{C}$ States	References
$E(^{12}\text{C}) = 15-24$	g.s.	See references in (1975AJ02)
28	g.s., 4.4	See references in (1975AJ02)
$E(^{12}\text{C}) = 16-24, 87$	g.s.	See references in (1980AJ01)
25-50	g.s., 4.4	See references in (1985AJ01)
$E(^{12}\text{C}) = 52.4$	g.s.	See references in (1990AJ01)
10.4-14.6, 42.5-100	g.s.	See references in (1990AJ01)
28-80	g.s., 4.4, 9.6, 10.3	(1991AL12, 1991JA09)
49	g.s., 4.4	(2001RU14)
50	g.s.	(2014LI49)
$E(^{12}\text{C}) = 18$	g.s.	(2014HA34)
$E(^{12}\text{C}) = 30.5-70$	[g.s., 4.4, 9.6, 10.3]	(1991AL12, 1991JA09)
$E(^{12}\text{C}) = 344.5$	g.s., 4.4, 9.64	(1990JA12, 1992JA12)