

Table 12.20 from (1990AJ01): Recent work ^a on angular distributions in the interaction of ⁶Li, ⁷Li, ⁹Be, ¹⁰B, ¹¹B, ¹²C and ¹⁶O with ¹²C

E (MeV)	To states in ¹² C at E_x (MeV)	References
$E(^6\text{Li}) = 24, 30$	0	(1984VI02)
24, 30	0, 4.4, 7.7, 9.6	(1985VI03)
30 ^b	0	(1989VA04)
90	4.4, 9.6	(1987DE02)
123.5, 168.6	0, 4.4, 7.7, 9.6	(1988KA09)
150 ^b	0	(1987TA21)
156	0	(1989JE01)
156	7.7, 9.6, \approx 10.2, 10.8	(1987EY01)
210	0	(1988NA02, 1987WI09)
210	4.4	(1986MCZZ, 1988MCZY) ^c
$E(^7\text{Li}) = 34$	0	(1984VI02)
34	0, 4.4, 9.6	(1986CO02)
78	0, 4.4, 7.7	(1986GLZU) ^c
131.8	0, 4.4, 7.7, 9.6	(1988KA09)
$E(^9\text{Be}) = 158.3$	0, 4.4	(1984FU10)
$E(^{12}\text{C}) = 65$ ^d	0, 4.4, 7.7, 9.6	(1985GO1H) ^c
$E(^{11}\text{B}) = 10.4, 12.4, 14.6$	0	(1985JA01)
42.5, 60.0, 80.0, 100.0	0	(1985MA10)
48 and $E(^{12}\text{C}) = 52.4$ ^e	0	(1986MA13)
$E(^{12}\text{C}) = 65$ ^e	0, 4.4, 7.7, 9.6	(1985GO1H) ^c
$E(^{12}\text{C})$ (MeV)	To states in ¹² C at E_x (MeV)	References
4	0	(1989VE03)
35, 43	0	(1985PA24)
53 \rightarrow 61	7.7	(1988PA04)
139.5, 158.8	0, 4.4, 14.1	(1985KU12)
139.5, 158.8	0, 4.4, 7.7, 9.6	(1985KU23)
180, 300, 420	0	(1986SA29)
240	0, 4.4	(1985BO39)

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360, 1016	0, 4.4	(1984BU22)
1449, 2400	0	(1986ME14, 1987HO03)
1449, 2400	0, 4.4	(1988HO18)
$E(^{16}\text{O})$ (MeV) ^f	To states in ¹² C at E_x (MeV)	References
62 → 125	0	(1985BE40)
112.2	0	(1986BA80)
608	0, 4.4	(1986BR25)
1503	0	(1985RO08, 1988RO01)

^a For the earlier work see (1980AJ01) and Table 12.20 in (1985AJ01).

^b Polarized beam.

^c Preliminary results.

^d Reaction 45.

^e Reaction 46 (b).

^f Reaction 49.