

Table 16.23 from (1982AJ01):

Recent ^a ¹⁶O(p, p), (d, d), (³He, ³He), (α , α), (⁶Li, ⁶Li), (⁷Li, ⁷Li), (⁹Be, ⁹Be), (¹⁰B, ¹⁰B), (¹¹B, ¹¹B), (¹²C, ¹²C), (¹³C, ¹³C), (¹⁴C, ¹⁴C), (¹⁴N, ¹⁴N), (¹⁶O, ¹⁶O) measurements

E_p (MeV)	Angular distribution of group	Refs. ^b
5.82	p ₀	(1977SA1B)
6.9	p ₀	(1979PR04)
27.2	p ₁	(1977CE01)
30.1	p ₀	(1979VO08)
35.2	p ₀ , p ₃	(1980FA07)
42.5, 44.0, 49.3	p ₅	(1977PE09)
65 ^c	p ₀	(1979SA38, 1981SA1F)
135	p ₀ , p ₂ , p ₄	(1980KE14)
135	p to ¹⁶ O*(17.79, 18.98, 19.80)	(1979HE09)
800 ^c	p ₀ , p ₂ , p ₃ , p ₄ , p ₅	(1979AD03)
E_d (MeV)	Angular distribution of group	Refs. ^d
12.00	d ₀	(1979AN15)
20.5 ^c	d ₀ , d ₂	(1980CL1C)
52.0 ^c	d ₀	(1980MA10)
56.0 ^c	d ₀	(1980HA14)
$E(^3\text{He})$ (MeV)	Angular distribution of ³ He group to	Refs. ^e
32.0 ^c	g.s.	(1980LU02)
41.0	g.s.	(1980TR02)
44.04	g.s.	(1979GO07)
130.0	see Table 16.24	(1977BU03)
132	g.s.	(1981CHZV)
E_α (MeV)	Angular distribution of group	Refs.
6.9 – 10.2	α_0	(1978ST08)
13.05 – 14.12	α_0	(1975CE01)
14.6 – 20.4	$\alpha_0, \alpha_{1+2}, \alpha_3, \alpha_4, \alpha_5$	(1979BI10)
20.1 – 23.2	α_0	(1977EN01)
23.7	$\alpha_0, \alpha_{1+2}, \alpha_{3+4}, \alpha_5, \alpha_{6+7}$	(1976FE12)
65	α^* ^f	(1976JA17)

Table 16.23 from (1982AJ01):

Recent ^a ¹⁶O(p, p), (d, d), (³He, ³He), (α , α), (⁶Li, ⁶Li), (⁷Li, ⁷Li), (⁹Be, ⁹Be), (¹⁰B, ¹⁰B), (¹¹B, ¹¹B), (¹²C, ¹²C), (¹³C, ¹³C), (¹⁴C, ¹⁴C), (¹⁴N, ¹⁴N), (¹⁶O, ¹⁶O) measurements (continued)

75	α_4, α to ¹⁶ O*(12.44)	see (1980HA07)
$E(^6\text{Li})$ (MeV)	Angular distribution of group to	Refs.
32	g.s.	(1980AN16)
50.6	g.s.	(1976CH27)
$E(^7\text{Li})$ (MeV)	Angular distribution of group to	Refs.
68	g.s.	(1979BR03)
$E(^9\text{Be})$ (MeV) (reaction 66)	Angular distribution of group to	Refs.
20, 26	g.s.	(1979UN01)
27.4	g.s.	(1978GR22)
$E(^{16}\text{O}) = 15 - 25$	g.s.	(1970BA49)
25.7 - 29.5	g.s.	(1975FU05)
$E(^{10}\text{B})$ (MeV)	Angular distribution of group to	Refs.
33.7, 41.6, 49.5	g.s.	(1980PA01)
65.8	g.s.	(1977MO1A, 1979MO14)
100	¹⁶ O*(0, 6.1, 6.9)	(1975NA15, 1977TO02)
$E(^{11}\text{B})$ (MeV) (reaction 67) ^g	Angular distribution of group to	Refs.
41.6, 49.5	g.s.	(1980PA01)
115	g.s.	(1979BR03, 1979RA10)
$E(^{12}\text{C})$ or $E(^{16}\text{O})$ (MeV) (reaction 68)	Angular distribution of group to	Refs. ^h
$E(^{12}\text{C}) = 65$	g.s.	(1978BO11)
77	g.s.	(1977MO1A, 1979MO14)
115	g.s.	(1979RA10)
$E(^{16}\text{O}) = 30.8, 31.9, 33.9$	g.s.	(1978SC06)
31.7, 46.0, 51.3, 52.7	g.s.	(1978MA32)
46.0, 47.8, 49.7, 51.3, 52.7	¹⁶ O*(6.1, 7.0)	(1978MA32)
33.2 - 35.2	g.s.	(1980FR05)

Table 16.23 from (1982AJ01):

Recent ^a ¹⁶O(p, p), (d, d), (³He, ³He), (α , α), (⁶Li, ⁶Li), (⁷Li, ⁷Li), (⁹Be, ⁹Be), (¹⁰B, ¹⁰B), (¹¹B, ¹¹B), (¹²C, ¹²C), (¹³C, ¹³C), (¹⁴C, ¹⁴C), (¹⁴N, ¹⁴N), (¹⁶O, ¹⁶O) measurements (continued)

52	¹⁶ O*(6.05, 6.13)	(1977SH16)
55.3, 56.7, 65.8	¹⁶ O*(6.05, 6.13)	(1978KA13)
80 – 122	g.s.	(1977CO20)
140, 218, 315	g.s.	(1981BR05)
$E(^{13}\text{C})$ (MeV) (reaction 69)	Angular distribution of group to	Refs.
36	g.s.	(1976WE21)
105	g.s.	(1979BR03, 1979RA10)
$E(^{16}\text{O})$ (MeV) (reaction 69)	Angular distribution of group to	Refs. ^h
14, 17, 20	g.s.	(1970BA49)
20, 25, 30	g.s.	(1975SC35)
$E(^{14}\text{N})$ (MeV) (reaction 70)	Angular distribution of group to	Refs.
76.2	g.s.	(1977MO1A, 1979MO14)
79	g.s.	(1976MO03)
155	¹⁶ O*(0, 6.1, 6.9)	(1975NA15, 1977TO02)
$E(^{16}\text{O})$ (MeV) (reaction 71)	Angular distribution of group to	Refs.
35 – 80	g.s.	(1978FE04)
95.2	g.s.	(1977MO1A, 1979MO14)

^a See also Tables 16.27 in (1971AJ02) and 16.25 in (1977AJ02).

^b See also (1976DAYV, 1977SE1F, 1979MA48, 1979GL1C).

^c Polarized.

^d See also (1978RO1M).

^e See also (1978CH1P).

^f ⁴He*(20.1) [$J^\pi = 0^+$].

^g See also reaction 71 in (1977AJ02).

^h See also (1978MA1R, 1979DO01, 1980WI1P).

ⁱ See also for population of ¹²C states.