

Table 16.27 from (1971AJ02):  
Recent  $^{16}\text{O}(\text{n}, \text{n}), (\text{p}, \text{p}), (\text{d}, \text{d}), (\text{t}, \text{t}), (^3\text{He}, ^3\text{He}), (\alpha, \alpha)$  angular distribution studies

$E_n$ (MeV)	Angular distribution of groups	Refs.
1.51 – 2.25	$n_0$	(1962MA05)
3.07 – 4.67	$n_0$	(1966LI03)
14.0	$n_0$	(1967BE75)
14	$n_0, n_{1+2+3+4}$	(1963BA46)
14.1	$n_0, n_{1+2}, n_{3+4}$	(1969ME15)
14.1	$n_0, n_{1+2}, n_{3+4}, n_5$	(1966MC01)
$E_p$ (MeV)	Angular distribution of groups	Refs.
1.47 – 2.98	$p_0$	(1965GO08)
5.91	$p_0$	(1968AN13, 1968AN27)
6.9 – 15.6	$p_0$	(1960KO09)
7.2 – 10.5	$p_0, p_1, p_2, p_3, p_4$	(1964DA02)
7.3 – 13.3	$p_0$	(1959HU17)
12.9 – 15.6	$p_{1+2}$	(1960KO09)
13.8 – 18.2	$p_0$	(1964KE01)
13.9 – 15.6	$p_{3+4}$	(1960KO09)
14.8 – 19.2	$p_0, p_{1+2}, p_{3+4}, p_5$	(1964DA07)
19.8 – 30.5	$p_0$	(1969KA14)
20.9	$p_0$	(1969BA23)
23.4 – 46.1	$p_0$	(1968CA30)
23.4 – 46.1	$p_{1+2}, p_5$	(1968AU1C, 1970AU1C)
25.5 – 45.1	$p_0$	(1969SN03)
30.3	$p_0$	(1964RI07)
31	$p_0$	(1964KI06)
49.5	$p_0$	(1967FA06)
100	$p_0$	(1970HO07)
142	$p_0$	(1961TA06)
185	$p$ to $^{16}\text{O}^*(11.5, 13.1, 15.3, 18.7, 20.2)$	(1965HA17)
185	$p_2, p_3, p_4$	(1969SU03)
1000	$p_0, p_{1+2+3+4}$	(1967FR10, 1967IG1B, 1967PA1L, 1967PA25)
$E_d$ (MeV)	Angular distribution of groups	Refs.
1.95 – 3.63	$d_0$	(1968DI06)
4.0	$d_0$	(1966GA09)

Table 16.27 from (1971AJ02):

Recent  $^{16}\text{O}(n, n)$ ,  $(p, p)$ ,  $(d, d)$ ,  $(t, t)$ ,  $(^3\text{He}, ^3\text{He})$ ,  $(\alpha, \alpha)$  angular distribution studies (continued)

4.0 – 6.0	$d_0$	(1970DA14)
8.0 – 10.5	$d_0$	(1963CA17, 1963CA1E, 1963CA1F, 1963GA1D)
10.95	$d_0$	(1960TA08)
11.8	$d_0$	(1967FI07)
12	$d_0$	(1967AL06)
13.6	$d_0$	(1963NE1C, 1964NE1D)
14.25	$d_0, d_1, d_2, d_3, d_4$	(1966NG01)
15.8	$d_0$	(1966CO24)
26.3	$d_0$	(1962MA25, 1964TE1C)
28	$d_0$	(1968GA13)
34.4	$d_0$	(1967NE09)
52	$d_0$	(1966DU08, 1968HI14)
$E_t$ (MeV)	Angular distribution of groups	Refs.
6.4, 6.8, 7.2	$t_0$	(1964PU01)
12	$t_0$	(1965GL04, 1966GL1B)
$E(^3\text{He})$ (MeV)	Angular distribution of groups to $^{16}\text{O}$	Refs.
1.94, 2.37	g.s.	(1961SI09)
2.7 – 4.0	g.s.	(1965JI1A)
8.5, 9.4	g.s.	(1965AL05)
9.80 – 11.74	g.s.	(1969BR07, 1969NU02)
12	g.s.	(1965YO1B)
15	g.s.	(1969ZU02)
16.6, 25.8, 36.6	g.s.	(1965AR1E)
17.3	g.s.	(1967HA1F)
18	g.s.	(1970MC1F)
28.9	g.s.	(1962SE13)
29	g.s.	(1963AG1A)
$E_\alpha$ (MeV)	Angular distribution of groups	Refs.
5.0 – 12.5	$\alpha_0$	(1969JO18)
8.64, 9.31, 10.15	$\alpha_0$	(1967BR39)
18.3	$\alpha_0, \alpha_{1+2}, \alpha_{3+4}, \alpha_5$	(1959CO70)
20.0 – 23.2	$\alpha_0$	(1969AG06, 1969FE10)
20.1, 21.5	$\alpha_{1+2}, \alpha_{3+4}$	(1970FE07)

Table 16.27 from (1971AJ02):  
Recent  $^{16}\text{O}(\text{n}, \text{n}), (\text{p}, \text{p}), (\text{d}, \text{d}), (\text{t}, \text{t}), (^3\text{He}, ^3\text{He}), (\alpha, \alpha)$  angular distribution studies (continued)

20.2 – 23.4	$\alpha_0$	(1968CE1B)
21.2 – 22.7	$\alpha_0$	(1962JO14)
22.5	$\alpha_0, \alpha_{1+2}, \alpha_{3+4}, \alpha_5$	(1963CR04, 1965BL03)
23.05	$\alpha_0$	(1968TA1Q)
24.7	$\alpha_0$	(1964BU1C)
25.4 – 32.2	$\alpha_0$	(1970CO13)
27.3	$\alpha_0, \alpha_{1+2}, \alpha_{3+4}, \alpha_5, \alpha_{6+7}, \alpha_8$	(1965KO1A)
28.5	$\alpha_0, \alpha_{1+2}, \alpha_{3+4}, \alpha_5, \alpha_{6+7}, \alpha_9$	(1964KO02, 1965KO07)
31.8, 39.5	$\alpha_0, \alpha_{1+2}, \alpha_{3+4}, \alpha_5$	(1964BO1E, 1965PR1E)
38.1	$\alpha_0, \alpha_{1+2}, \alpha_{3+4}$	(1960AG01)
40	$\alpha_0, \alpha_{1+2}, \alpha_{3+4}$	(1959YA01)
40.5	$\alpha_0, \alpha_2, \alpha_3, \alpha_4, \alpha_5$	(1966HA19)
40.6	$\alpha_{1+2}$	(1965BU05)
41.9, 49.7	$\alpha_0$	(1965VA11)
56	$\alpha_0$	(1968GA1C)
50, 80.7	$\alpha_0, \alpha_2, \alpha_{3+4}, \alpha_5$	(1968RE1F)
65	$\alpha_0$ ( and see Table 16.29)	(1964HA16)
104	$\alpha_0$	(1968HA1D, 1969HA14)