

Table 16.13 from (1971AJ02):  
Angular distribution studies of  $^{12}\text{C}(^6\text{Li}, \text{d})^{16}\text{O}$  and  $^{12}\text{C}(^7\text{Li}, \text{t})^{16}\text{O}$

(a)

$E(^6\text{Li})$ (MeV)	Distribution of deuteron groups	Refs.
3.0	$\text{d}_0$	(1963BA08)
3.4 – 4.0	$\text{d}_0$	(1962BL13)
4.5 – 5.5	$\text{d}_0, \text{d}_{1+2}, \text{d}_3, \text{d}_4$	(1966HE05)
5.6 – 6.6	$\text{d}_0, \text{d}_{1+2}$	(1970JO09)
9 – 14	$\text{d}_0, \text{d}_{1+2}, \text{d}_{3+4}, \text{d}_5$	(1970JO09)
18 – 24 <sup>a</sup>	$\text{d}_0, \text{d}_1, \text{d}_2, \text{d}_3, \text{d}_4, \text{d}_5, \text{d}_6, \text{d}_7, \text{d}_8$	(1967LO01)
18	$\text{d}_1, \text{d}_3, \text{d}_8$	(1970BE31)
20	$\text{d}_0, \text{d}_{1+2}, \text{d}_3, \text{d}_4, \text{d}_7, \text{d}_8, \text{d}_{11+12}$	(1968ME10)
25.8	$\text{d}_0, \text{d}_{1+2}, \text{d}_{3+4}, \text{d}_8$ , and $\text{d}$ to $^{16}\text{O}^*(16.2)$	(1969GO19)
29	$\text{d}$ to $^{16}\text{O}^*(16.2, 20.8)$	(1970CO26)

(b)

$E(^7\text{Li})$ (MeV)	Distribution of triton groups	Refs.
3.2 – 3.6	$\text{t}_0$	(1967MO23)
4 – 14	$\text{t}_0$	(1970CA1N)
15, 21.1, 24	$\text{t}_0 \rightarrow \text{t}_8$	(1970PU01)
17	$\text{t}_1, \text{t}_3, \text{t}_8$	(1970BE31)
21.2, 24	$\text{t}$ to $^{16}\text{O}^*(11.10)$	(1970PU01)
28.2, 30.3	$\text{t}_0, \text{t}_{1+2}, \text{t}_{3+4}, \text{t}_8$ , and $\text{t}$ to $^{16}\text{O}^*(16.2)$	(1969GO19)
31.5	$\text{t}$ to $^{16}\text{O}^*(16.2, 20.8)$	(1970CO26)

<sup>a</sup>  $E(^{12}\text{C}) = 18$  to  $24$  MeV.