

Fitting Tables:¹³C target

1 ¹³C target

¹³ C(d,p) ¹⁴ C*, 1st excited state Q-value 0.00, E = 10, Ex = 0.00									
run	deg	E - dE			dE			Events	
		energy	channel	error	energy	channel	error	count	error
0222	60.9	8.4935e+00	1969	0.38	2.2666e-01	333	3.1	562	
0223	65.9	8.3462e+00	1928	0.35	2.2974e-01	335	3.0	610	
0221	70.9	8.1954e+00	1900	0.31	2.3299e-01	341	2.7	608	

¹³ C(d,p) ¹⁴ C*, 2st excited state Q-value 0.00, E = 10, Ex = 0.00									
run	deg	E - dE			dE			Events	
		energy	channel	error	energy	channel	error	count	error
0222	60.9	7.9916e+00	1870		2.3753e-01				

¹³ C(d,d) ¹³ C Q-value 0.00, E = 10, Ex = 0.00									
run	deg	E - dE			dE			Events	
		energy	channel	error	energy	channel	error	count	error
0222	60.9	8.1254e+00	1882	0.10	3.9658e-01	609	0.61	10909	+12C
0223	65.9	7.9123e+00	1824	0.12	4.0421e-01	620	0.73	7904	+12C
0221	70.9	7.6957e+00	1782	0.14	4.1230e-01	636	0.88	4882	+12C

¹³ C(d,d) ¹³ C*, 1st excited state Q-value 0.00, E = 10, Ex = 3.09									
run	deg	E - dE			dE			Events	
		energy	channel	error	energy	channel	error	count	error
0222	60.9	5.0712e+00	1168	0.90	5.4882e-01	871	21	200	
0223	65.9	4.8886e+00	1117	0.81	5.6212e-01	876	8.8	212	
0221	70.9	4.7035e+00	1082	0.88	5.7634e-01	902	8.4	188	

$^{13}\text{C}(\text{d}, \text{d})^{13}\text{C}^*$, 2nd excited state Q-value 0.00, E = 10, Ex = 3.68									
run	deg	E - dE			dE			Events	
		energy	channel	error	energy	channel	error	count	error
0222	60.9	4.4631e+00	1023	0.40	5.9600e-01	947	2.5	958	
0223	65.9	4.2863e+00	975	0.52	6.1140e-01	1002	3.9	1146	
0221	70.9	4.1073e+00	940	0.33	6.2790e-01	993	2.3	1010	

$^{13}\text{C}(\text{d}, \text{d})^{13}\text{C}^*$, 3rd excited state Q-value 0.00, E = 10, Ex = 3.85									
run	deg	E - dE			dE			Events	
		energy	channel	error	energy	channel	error	count	error
0222	60.9	4.2854e+00	983	0.60	6.1149e-01	969	3.8	503	
0223	65.9	4.1103e+00	933	0.52	6.2761e-01	1002	3.9	521	
0221	70.9	3.9330e+00	899	0.57	6.4490e-01	1021	4.2	401	

$^{13}\text{C}(\text{d}, \text{t})^{12}\text{C}$ Q-value 1.31, E = 10, Ex = 0.00									
run	deg	E - dE			dE			Events	
		energy	channel	error	energy	channel	error	count	error
0222	60.9	8.7264e+00	2023	1.0	5.0520e-01	786	7.1	254	
0223	65.9	8.4505e+00	1944	0.72	5.1652e-01	805	4.5	341	
0221	70.9	8.1710e+00	1891	0.79	5.2856e-01	814	7.0	303	

$^{13}\text{C}(\text{d}, \text{t})^{12}\text{C}^*$, 1st excited state Q-value 1.31, E = 10, Ex = 4.44									
run	deg	E - dE			dE			Events	
		energy	channel	error	energy	channel	error	count	error
0222	60.9	4.5444e+00	1039	0.64	7.6887e-01	1223	4.0	512	
0223	65.9	4.3150e+00	976	0.52	7.9244e-01	1267	4.1	599	
0221	70.9	4.0837e+00	932	0.50	8.1783e-01	1310	3.2	574	

$^{12}\text{C}(\text{d}, \alpha)^{11}\text{B}$ Q-value 5.17, E = 10, Ex = 0.00									
run	deg	E - dE			dE			Events	
		energy	channel	error	energy	channel	error	count	error
0222	60.9	9.5921e+00	2184	1.3	2.1865e+00	3705	7.3	445	
0223	65.9	9.1908e+00	2068	1.2	2.2429e+00	3830	6.6	544	
0221	70.9	8.7817e+00	1987	1.3	2.3036e+00	3931	6.1	461	

$^{13}\text{C}(d, \alpha)^{11}\text{B}^*$, 1st excited state Q-value 5.17, E = 10, Ex = 2.12

run	deg	E - dE			dE			Events	
		energy	channel	error	energy	channel	error	count	error
0222	60.9	7.5683e+00	1690	2.1	2.5054e+00	4300	13	217	
0223	65.9	7.1735e+00	1579	5.6	2.5792e+00	4456	12	278	
0221	70.9	6.7700e+00	1503	2.9	2.6592e+00	4582	14	294	

$^{13}\text{C}(d, \alpha)^{11}\text{B}^*$, 2nd excited state Q-value 5.17, E = 10, Ex = 4.44

run	deg	E - dE			dE			Events	
		energy	channel	error	energy	channel	error	count	error
0222	60.9	5.1537e+00	1103	2.5	3.0371e+00	5208	13	390	
0223	65.9	4.7499e+00	980	3.3	3.1487e+00	5461	14	391	
0221	70.9	4.3327e+00	890	3.4	3.2726e+00	5700	13	296	

$^{13}\text{C}(d, \alpha)^{11}\text{B}^*$, 3rd excited state Q-value 5.17, E = 10, Ex = 5.02

run	deg	E - dE			dE			Events	
		energy	channel	error	energy	channel	error	count	error
0222	60.9	4.4925e+00	937	10	3.2241e+00	5616	21	243	
0223	65.9	4.0794e+00	813	3.3	3.3524e+00	5903	20	292	
0221	70.9	3.6503e+00	718	8.5	3.4966e+00	6161	17	259	

2 unknown reaction(proton)

^{13}C target

run	deg	E - dE			dE			Events	
		energy	channel	error	energy	channel	error	count	error
0222	60.9	10.7	2497	2.9		231	80	43	
0223	65.9	10.5	2458	11		292	176	44	
0221	70.9	10.4	2428	45		185	102	38	
