EXP 89-044 : Response Functions Separations for two-body break-up

January 30, 2000

Part 1 ^{3}He(e,e'p)d Perpendicular Kinematics

Run #	Kin	$\vec{q}$ (GeV/c)	E_0 (GeV)	ω (GeV)	ϵ	P_m (GeV/c)	E_e (GeV)	θ_e (deg)	P_p (GeV/c)	θ_p (deg)	t (hr)
1-2	Σ_1	1.500	4.803	0.837	0.943	0.000	3.966	16.40	1.500	48.30	0.7
3	Σ_3	1.500	1.254	0.837	0.108	0.000	0.417	118.72	1.500	14.13	1.3
4	Σ_1	1.500	4.803	0.837	0.943	0.150	3.966	16.40	1.493	54.04	0.9
5	Σ_2	1.500	4.803	0.837	0.943	0.150	3.966	16.40	1.493	42.56	0.7
6	Σ_3	1.500	1.254	0.837	0.108	0.150	0.417	118.72	1.493	19.87	3.4
7	Σ_1	1.500	4.803	0.837	0.943	0.300	3.966	16.40	1.472	59.83	10.1
8	Σ_2	1.500	4.803	0.837	0.943	0.300	3.966	16.40	1.472	36.76	6.6
9	Σ_3	1.500	1.254	0.837	0.108	0.300	0.417	118.72	1.472	25.67	33.3
10	Σ_1	1.500	4.803	0.837	0.943	0.425	3.966	16.40	1.444	64.76	19.9
11	Σ_2	1.500	4.803	0.837	0.943	0.425	3.966	16.40	1.444	31.84	15.5
12	Σ_3	1.500	1.254	0.837	0.108	0.425	0.417	118.72	1.444	30.59	64.6
13	Σ_1	1.500	4.803	0.837	0.943	0.550	3.966	16.40	1.406	69.80	35.2
14	Σ_2	1.500	4.803	0.837	0.943	0.550	3.966	16.40	1.406	26.79	42.8
15	Σ_3	1.500	1.254	0.837	0.108	0.550	0.417	118.72	1.406	35.63	122.0

Part 2 ^{3}He(e,e'p)d Parallel Kinematics

Run #	Kin	$\vec{q}$ (GeV/c)	E_0 (GeV)	ω (GeV)	ϵ	P_m (GeV/c)	E_e (GeV)	θ_e (deg)	P_p (GeV/c)	θ_p (deg)	t (hr)
16	Σ_1	1.000	4.045	0.438	0.966	0.000	3.607	13.51	1.000	57.43	0.4
17	Σ_3	1.000	0.845	0.438	0.221	0.000	0.407	100.12	1.000	23.59	0.6
18	Σ_1	1.940	4.803	1.222	0.898	0.000	3.581	20.93	1.940	41.25	1.0
19	Σ_3	1.940	1.953	1.222	0.314	0.000	0.731	78.18	1.940	21.64	1.0
20	Σ_1	2.999	4.803	2.210	0.718	0.000	2.593	33.39	2.999	28.42	2.6
21	Σ_3	2.999	2.903	2.210	0.180	0.000	0.694	91.19	2.999	13.37	2.4
22	Σ_1	1.007	2.903	0.700	0.925	-0.300	2.203	16.46	1.307	38.30	12.4
23	Σ_3	1.007	1.254	0.700	0.527	-0.300	0.554	51.48	1.307	25.50	7.6
24	Σ_1	1.940	4.803	1.520	0.891	-0.300	3.283	17.47	2.240	30.53	14.4
25	Σ_3	1.940	1.953	1.520	0.204	-0.300	0.433	81.90	2.240	12.78	25.6
26	Σ_1	1.000	4.045	0.262	0.968	+0.300	3.783	14.17	0.700	67.86	27.0
27	Σ_3	1.000	0.845	0.262	0.342	+0.300	0.583	86.84	0.700	35.62	23.0