6 Tables of Kinematics

6.1 Kinematics for RCS endpt and offendpt

Run ID	E	D(m)	θ	TOF[†] ns	HRS θ/p **offendpt**	HRS θ/p **endpt**	$\approx\mu$A-hr[‡]
2A	2.342	12.0	46.0	59	35.68/1.556	33.97/1.711	10.0
2B	2.342	7.1	56.0	73	29.82/1.779	28.28/1.951	3.9
2C	2.342	5.2	79.0	76	20.29/2.129	19.14/2.322	5.3
3A	3.481	14.4	31.0	48	39.08/1.768	37.44/1.928	11.5
3B	3.481	10.0	39.0	59	32.46/2.142	30.95/2.332	14.0
3C	3.481	7.9	45.0	65	28.54/2.380	27.14/2.586	15.5
3D	3.481	6.2	57.0	69	22.53/2.752	21.36/2.981	20.0
[§]**3E**	3.481	5.7	65.0	70	19.47/2.939	18.43/3.176	**many**
3F	3.481	5.3	75.0	71	16.36/3.118	15.47/3.362	35.5
4A	4.620	18.0	22.0	29	42.58/1.789	40.97/1.943	22.6
4B	4.620	16.4	26.0	38	37.73/2.109	36.17/2.290	28.9
4C	4.620	13.1	30.0	48	33.69/2.407	32.21/2.611	35.1
4D	4.620	10.1	35.0	56	29.53/2.741	28.16/2.970	40.9
4E	4.620	7.9	42.0	62	24.95/3.137	23.74/3.391	51.0
4F	4.620	6.9	50.0	65	20.96/3.496	19.90/3.769	75.0
4G	4.620	6.2	57.0	67	18.21/3.742	17.27/4.025	100.0
4H	4.620	5.6	66.0	68	15.38/3.987	14.57/4.278	135.1
5A	5.759	18.0	20.0	26	40.01/2.133	38.47/2.311	49.2
5B	5.759	18.0	22.0	28	37.28/2.354	35.78/2.550	59.8
5C	5.759	14.5	26.0	41	32.66/2.772	31.25/3.002	76.5
5D	5.759	11.4	30.0	51	28.91/3.154	27.60/3.410	93.8
5E	5.759	9.5	34.0	56	25.83/3.494	24.62/3.772	112.8
5F	5.759	8.8	37.0	58	23.86/3.722	22.72/4.013	132.7
5G	5.759	8.1	41.0	60	21.59/3.992	20.54/4.298	174.4

[†] Difference between photon/electron and proton propagation time from target to trigger detector, according to the formula TOF = $85/\beta$ - 3.3D, with D in meters, TOF in ns, and $\beta = p_p/E_p$.
[‡] Approximate beam charge for **offendpt** runs to get 1500 RCS events.
[§] Kinematics for the polarization transfer experiment using the FPP.