Kinematics for 99-007

as of Oct. 12, 2000

Q^2	E_e	p_p	T_p	θ_p	$E_{e'}$	θ_e	P_t	P_ℓ
3.500	4.60000	2.6417	1.865	31.785	2.735	30.58	-.1042	.6222
4.000	4.60000	2.9229	2.132	28.598	2.468	34.53	-.1059	.6924
4.800	4.60000	3.3679	2.558	23.879	2.042	41.88	-.1052	.7956
5.600	4.6000	3.8086	2.984	19.376	1.616	51.44	-.0991	.8829

Table 1: Kinematics chosen for Nov. 2000. The same $\mu G_E/G_M$ of 0.5 is assumed for all points.

Q^2	$\frac{d\sigma}{d\Omega_e}$	rate(Hz)	hours	A_y	ϵ	Jac_v	Jac	calo. @
3.500	0.117E-33	92.63	24.0	.1850	.3400	.9659	1.10	HRS
4.000	0.477E-34	54.84	24.0	.1600	.3400	1.1841	1.60	17 m
4.800	0.124E-34	26.49	120.0	.0.060	.400	1.6492	2.97	12.5 m
5.600	0.336E-35	17.090	312.0	0.050	.400	2.3571	5.89	9.0 m

Table 2: Rate is based for 50 μA. "Jac" is Jacobian for electron; "L" is distance to calorimeter front in meters.

Q^2	χ	dχ(rad)	a(cosφ)	b(sinφ)	$\sqrt{\frac{2}{\epsilon N}}$	$\Delta(\frac{\mu G_E}{G_M})$
3.500	241.04	.0107	-.07553	-.01446	.00086	.03032
4.000	263.95	.0117	-.08263	-.01271	.00111	.04436
4.800	300.61	.0134	-.0286	-.0053	.00060	.070
5.600	337.26	.0150	-.01158	-.00347	.00050	.078

Table 3: Kinematics, continued. Beam polarization of 70 % for all points. Systematics from precession angle based on 2 mr uncertainty on vertical angle bend. Last colum contains both statistics and precession uncertainties