

E_e (GeV)	Q^2 (GeV) ²	θ_e (deg)	E' (GeV)	ϵ	Rate (Hz)	Time (hours)	Events
4.8**	7.0	71.0	1.08	0.25	0.60	9.3	40k
6.6	7.0	35.4	2.87	0.62	7.45	0.7	40k
6.6	8.0	42.0	2.35	0.51	2.29	2.4	40k
5.8**	9.0	77.0	1.00	0.18	0.15	36.3	40k
6.6	9.0	52.0	1.78	0.37	0.48	11.6	40k
8.8	9.0	29.3	4.00*	0.67	3.38	3.3	40k
6.6	10.0	67.0	1.25	0.23	0.15	38.3	40k
8.8	10.0	33.3	3.47*	0.59	1.31	8.5	40k
8.8	11.0	38.0	2.95	0.51	0.53	10.5	40k
8.8	12.0	44.0	2.42	0.41	0.21	26.7	40k
8.8	13.0	53.0	1.86	0.30	0.06	67.4	28k
11.0	13.0	31.3	4.07*	0.58	0.36	21.2	28k
11.0	14.0	35.0	3.54*	0.50	0.17	39.0	24k
11.0	15.5	42.0	2.74	0.39	0.053	52.8	20k
11.0	17.0	53.0	1.94	0.26	0.013	175.2	16k
503.3							

Table 1: Kinematics for the proposed measurement. Calculated rates assume a luminosity of $4.3 \times 10^{38} \text{ cm}^{-2}\text{s}^{-1}$, solid angle coverage of 5.4 msr (each HRS), and proton form factor parameterization from Ref. [18]. Kinematics with non-standard beam energies with a double asterisk (**) indicate measurements included per PAC32 suggestion. Kinematics with scattered electron energy (E') with an asterisk (*) indicate measurements that will only be done with the Left HRS. The total time is slightly less than the sum of the individual times because the Right HRS will take data on the higher Q^2 points for the kinematics where only the Left arm can reach the required momentum.

- [4] J. Arrington, W. Melnitchouk, J.A. Tjon, Phys. Rev. C **76**, 035205 (2007).
- [5] J. Arrington, S. Gilad, B. Moffit, and B. Wojtsekhowski *et al.*, Jefferson Lab experiment E12-07-108 (GMP).
- [6] E. Brash, E. Cisbani, M. Jones, M. Khandaker, L. Pentchev, C.F. Perdrisat, V. Punjabi, and B. Wojtsekhowski *et al.*, Jefferson Lab experiment E12-07-109 (GEp(5)).
- [7] G. Cates, S. Riordan, and B. Wojtsekhowski *et al.*, Jefferson Lab experiment E12-09-016 (GEN(2)).
- [8] G. Gilman, B. Quinn and B. Wojtsekhowski *et al.*, Jefferson Lab experiment E12-09-019 (GMN).
- [9] M. Burkardt, Int. J. Mod. Phys. A **18**, 173 (2003).
- [10] G.A. Miller, Phys. Rev. Lett. **99**, 112001 (2007).
- [11] C.E. Carlson and M. Vanderhaeghen, Phys. Rev. Lett. **100**, 032004 (2008).
- [12] J. Alcorn *et al.*, Nuclear Instruments & Methods A **522**, 294 (2004).
- [13] I.A. Qattan *et al.*, Phys. Rev. Lett. **94**, 142301 (2005).
- [14] R. Gilman, L. Pentchev, C.F. Perdrisat, and R. Suleiman *et al.*, Jefferson Lab experiment 04-019 (2004).