DVCS Kinematics			**Version updated 02-April-2013**																													
	HRS_Acc	6.00E-03	sr																													
	HRS_ddelta	0.08	(kMax-kMin)/k0																													
	Calo_A	0.1386	m^2	20B-54'	Crystals	3x3 cm^2																										
	HMS_Acc	6.00E-03	sr																													
	HMS_ddelta	0.16	(kMax-kMin)/k0																													
	Calo_C	0.4096	m^2	34x34-4*33'	Crystals	2x2 cm^2																										
	DeltaT	0.1	GeV^2																													
	LH2	0.07099	g/cm^3																													
	Target	10	cm long																													
	nbarn	1.00E-33	cm^2/nb										Cross check			Cross check			Modified		New Point	Cross check			??							
							Hall A										**Hall C Complement to Hall A Kinematics**								Hall C — Low-x				Hall C — High-Q2			
kBeam	(GeV)	6.60	8.80	11.00	6.60	8.80	11.00	11.00	8.80	8.80	11.00	11.00	6.60	8.80	11.00	8.80	11.00	8.80	11.00	11.00	6.60	8.80	11	11.00	6.60	8.80	11.00	11.00	11.00	11.00	11.00	kBeam
Q2	(GeV^2)	3.00	4.00	4.55	3.40	4.80	6.30	7.20	5.10	6.00	7.70	9.00	3.00	3.00	3.00	4.00	4.00	3.40	3.4	4.80	5.10	5.10	5.10	6.00	2	2	2	3	5.5	8.1	10	Q2
xBj		0.36	0.36	0.36	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.36	0.36	0.36	0.36	0.36	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.20	0.20	0.20	0.20	0.36	0.50	0.60	xBj
MProton	(GeV)	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	MProton
nu	(GeV)	4.44	5.92	6.74	3.62	5.12	6.72	7.68	4.53	5.33	6.84	8.00	4.44	4.44	4.44	5.92	5.92	3.62	3.62	5.12	4.53	4.53	4.53	5.33	5.33	5.33	5.33	8.00	8.14	8.64	8.88	nu
kScatt	(GeV)	2.16	2.88	4.26	2.98	3.68	4.28	3.32	4.27	3.47	4.16	3.00	2.16	4.36	6.56	2.88	5.08	5.18	7.38	5.88	2.07	4.27	6.47	5.67	1.27	3.47	5.67	3.00	2.86	2.36	2.12	kScatt
csThe		0.89	0.92	0.95	0.91	0.93	0.93	0.90	0.93	0.90	0.92	0.88	0.89	0.96	0.98	0.92	0.96	0.96	0.98	0.96	0.81	0.93	0.96	0.95	0.88	0.97	0.98	0.95	0.91	0.84	0.79	csThe
epsilon		0.54	0.55	0.65	0.69	0.67	0.64	0.51	0.74	0.63	0.62	0.46	0.54	0.77	0.86	0.55	0.74	0.84	0.91	0.80	0.49	0.74	0.85	0.78	0.34	0.66	0.80	0.49	0.46	0.37	0.32	epsilon
the	(deg)	26.53	22.93	17.92	24.02	22.19	21.07	25.64	21.23	25.61	23.67	30.25	26.53	16.08	11.70	22.93	15.38	15.70	11.75	15.65	35.58	21.23	15.38	17.84	28.28	14.70	10.27	17.33	24.15	32.40	38.26	the
snThq		0.20	0.18	0.19	0.30	0.25	0.21	0.18	0.31	0.26	0.23	0.18	0.20	0.25	0.28	0.18	0.22	0.34	0.37	0.29	0.24	0.31	0.34	0.30	0.11	0.16	0.18	0.11	0.14	0.14	0.14	snThq
Thq	(deg)	11.66	10.33	10.70	17.32	14.47	12.40	10.19	17.78	14.81	13.07	10.21	11.66	14.66	16.20	10.33	12.44	20.15	21.67	16.57	13.76	17.78	19.82	17.23	6.26	9.19	10.57	6.28	7.93	8.01	7.99	Thq
pMin	(GeV/c)	0.42	0.42	0.42	0.66	0.66	0.66	0.66	0.89	0.89	0.89	0.89	0.42	0.42	0.42	0.42	0.42	0.66	0.66	0.66	0.89	0.89	0.89	0.89	0.21	0.21	0.21	0.21	0.42	0.66	0.89	pMin
1./(1.-eps)		2.19	2.24	2.83	3.27	3.01	2.77	2.05	3.83	2.69	2.61	1.84	2.19	4.31	7.28	2.24	3.81	6.40	10.71	5.10	1.97	3.83	6.45	4.54	1.52	2.97	5.07	1.97	1.84	1.58	1.47	1./(1.-eps)
qvec	(GeV/c)	4.77	6.25	7.07	4.07	5.57	7.17	8.13	5.06	5.87	7.38	8.54	4.77	4.77	4.77	6.25	6.25	4.07	4.07	5.57	5.06	5.06	5.06	5.87	5.51	5.51	5.51	8.18	8.47	9.09	9.43	qvec
q'	(GeV)	4.36	5.83	6.65	3.43	4.91	6.50	7.46	4.18	4.97	6.47	7.62	4.36	4.36	4.36	5.83	5.83	3.43	3.43	4.91	4.18	4.18	4.18	4.97	5.31	5.31	5.31	7.97	8.05	8.42	8.50	q'
tmin	(GeV^2)	-0.16	-0.17	-0.17	-0.37	-0.39	-0.40	-0.40	-0.65	-0.67	-0.69	-0.71	-0.16	-0.16	-0.16	-0.17	-0.17	-0.37	-0.37	-0.39	-0.65	-0.65	-0.65	-0.67	-0.04	-0.04	-0.04	-0.04	-0.17	-0.41	-0.71	tmin
sqrt(tmin)	(GeV)	0.40	0.41	0.41	0.61	0.62	0.63	0.64	0.81	0.82	0.83	0.84	0.40	0.40	0.40	0.41	0.41	0.61	0.61	0.62	0.81	0.81	0.81	0.82	0.21	0.21	0.21	0.21	0.41	0.64	0.84	sqrt(tmin)
CaloDist	(m)	1.50	2.00	2.50	1.50	2.00	2.50	2.50	1.50	2.00	2.50	3.00	3.00	3.00	3.00	4.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	6.00	4.00	4.00	6.00	4.00	4.00	4.00	CaloDist
DOmega		6.16E-02	3.47E-02	2.22E-02	6.16E-02	3.47E-02	2.22E-02	2.22E-02	6.16E-02	3.47E-02	2.22E-02	1.54E-02	4.55E-02	4.55E-02	4.55E-02	2.56E-02	4.55E-02	4.55E-02	4.55E-02	4.55E-02	4.55E-02	4.55E-02	4.55E-02	4.55E-02	1.14E-02	2.56E-02	2.56E-02	1.14E-02	2.56E-02	2.56E-02	2.56E-02	DOmega
Th_gg_max		1.24E-01	9.31E-02	7.45E-02	1.24E-01	9.31E-02	7.45E-02	7.45E-02	1.24E-01	9.31E-02	7.45E-02	6.20E-02	1.07E-01	1.07E-01	1.07E-01	8.00E-02	1.07E-01	1.07E-01	1.07E-01	1.07E-01	1.07E-01	1.07E-01	1.07E-01	1.07E-01	5.33E-02	8.00E-02	8.00E-02	5.33E-02	8.00E-02	8.00E-02	8.00E-02	Th_gg_max
q'_min		4.11	5.59	6.44	3.22	4.68	6.25	7.13	3.82	4.68	6.15	7.31	4.17	4.17	4.17	5.65	5.51	3.28	3.28	4.61	3.91	3.91	3.91	4.59	5.25	5.19	5.19	7.85	7.71	7.94	7.90	q'_min
tmax		-0.62	-0.63	-0.56	-0.75	-0.82	-0.88	-1.03	-1.34	-1.22	-1.29	-1.28	-0.51	-0.51	-0.51	-0.51	-0.77	-0.66	-0.66	-0.95	-1.17	-1.17	-1.17	-1.38	-0.14	-0.27	-0.27	-0.27	-0.82	-1.31	-1.85	tmax
tmin-tmax	(Gev^2)	0.46	0.47	0.39	0.38	0.43	0.48	0.62	0.69	0.55	0.60	0.57	0.35	0.35	0.35	0.35	0.60	0.29	0.29	0.56	0.52	0.52	0.52	0.71	0.10	0.23	0.23	0.23	0.65	0.90	1.14	tmin-tmax
Th_calo_edge	deg	5.93	6.03	7.26	11.59	10.17	8.96	6.75	12.05	10.52	9.64	7.34	5.55	8.55	10.09	5.74	6.33	14.04	15.56	10.46	7.65	11.67	13.71	11.11	3.21	4.61	5.98	3.22	3.34	3.43	3.40	Th_calo_edge
Lumi	1/(cm^2*s)	1.86E+37	3.31E+37	5.17E+37	1.86E+37	3.31E+37	5.17E+37	5.17E+37	1.86E+37	3.31E+37	5.17E+37	7.44E+37	7.44E+37	7.44E+37	7.44E+37	1.32E+38	7.44E+37	7.44E+37	7.44E+37	7.44E+37	7.44E+37	7.44E+37	7.44E+37	7.44E+37	2.98E+37	1.32E+37	1.32E+38	2.98E+37	1.32E+38	1.32E+38	1.32E+38	Lumi
Current	muA	7.0	12.4	19.4	7.0	12.4	19.4	19.4	7.0	12.4	19.4	27.9	27.9	27.9	27.9	49.7	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	11.2	5.0	49.7	11.2	49.7	49.7	49.7	Current (muA)
d4sig(0deg)	nb/GeV^4	8.21E-02	3.64E-02	1.92E-02	1.24E-03	4.47E-03	2.33E-03	2.38E-03	1.22E-03	9.95E-04	5.06E-04	5.12E-04	8.21E-02	3.88E-02	2.70E-02	3.64E-02	1.99E-02	8.84E-03	7.19E-03	3.07E-03	1.22E-03	1.22E-03	9.48E-04	6.92E-04	3.29E+00	7.19E-01	3.92E-01	4.87E-01	2.26E-02	2.88E-03	6.29E-04	d4sig(0deg)
d4sig(180)	nb/GeV^4	1.44E-02	7.80E-03	4.69E-03	4.07E-03	1.73E-03	1.01E-03	1.06E-03	5.60E-04	4.68E-04	2.78E-04	2.95E-04	1.44E-02	8.97E-03	7.63E-03	7.80E-03	4.94E-03	3.48E-03	3.30E-03	1.33E-03	5.60E-04	5.60E-04	4.83E-04	3.60E-04	2.45E-01	9.80E-02	4.62E-02	7.55E-02	5.60E-03	1.29E-03	3.70E-04	d4sig(180)
Days		3.00	2	1	5	2	4	4	7	13	16	13	20	1	2	1	1	3	3	2	5	5	1	5	10	1	1	1	1	5	5	12	Days
Jacob_e	GeV	2.31	3.08	5.01	5.42	6.33	7.02	4.76	9.95	6.87	8.03	4.96	2.31	6.22	11.69	3.08	6.79	12.56	22.38	12.65	3.62	9.95	18.85	14.04	0.63	2.29	4.68	1.65	2.78	3.01	3.14	Jacob_e
counts in DeltaT bin		5.55E+04	5.36E+04	5.46E+04	1.65E+04	3.96E+04	4.30E+04	4.07E+04	3.80E+04	3.82E+04	3.65E+04	3.71E+04	1.48E+05	7.98E+05	8.19E+05	2.14E+05	7.92E+05	7.29E+05	1.07E+06	5.04E+05	2.06E+04	2.34E+04	2.69E+05	2.58E+05	3.48E+05	3.56E+05	6.37E+06	3.45E+05	6.14E+05	8.15E+04	4.37E+04	counts in DeltaT bin
Total Beam Time							**Hall A Total = 88 PAC Days**										**Hall C Complement Total = 39 PAC Days**										**Hall C — Low-x Total = 4 PAC Days**				**Hall C — High-Q2 Total = 22 PAC Days**			**Total Beam Time**
				0.12687968																												