

# (A) DVCS KINEMATICS AND DES MESON EVENTS

Assuming: 20 uA

$Q^2$	W	x	t	$E_e$	$\epsilon$	$\Delta\epsilon$	I=20uA, 15-cm target	1000	1000	
							250k/setting, 6 tbins?	DVCS [Hours]	Hall	I=20uA, 10-cm target central only, NO t-bins $\pi^0$ Events
3.0	2.493	0.36	0.17	6.6	0.53	0.33		72	A	4235
<b>3.0</b>	<b>2.493</b>	<b>0.36</b>	<b>0.17</b>	<b>6.6</b>	<b>0.53</b>	<b>0.33</b>		<b>15</b>	<b>C</b>	<b>~800</b>
				8.8	0.76	0.23		72	C	6545
				11	0.86			72	C	12000
4.0	2.827	0.36	0.17	8.8	0.55	0.18		48	A	3692
<b>4.0</b>	<b>2.827</b>	<b>0.36</b>	<b>0.17</b>	<b>8.8</b>	<b>0.55</b>	<b>0.18</b>		<b>15</b>	<b>C</b>	<b>~300</b>
				11	0.73			72	C	14400
5.5	3.25	0.36	0.17	11	0.33			176	C	5176
3.1	1.995	0.5	0.36	6.6	0.74	0.18		120	A	60000
				8.8	0.87	0.05		120	C	60000
				11	0.92			120	C	133333
4.8	2.383	0.5	0.39	8.8	0.67	0.13		96	A	48000
				11	0.8			96	C	32000
6.3	2.68	0.5	0.4	11	0.64			96	A	6400
6.0	2.209	0.6	0.65	8.8	0.63	0.15		384	A	38400
				11	0.78			384	C	96000
<b>5.1</b>	<b>2.069</b>	<b>0.6</b>	<b>0.65</b>	<b>6.6</b>	<b>0.49</b>	<b>0.35</b>		<b>30</b>	<b>C</b>	<b>~5000</b>
5.1	2.069	0.6	0.65	8.8	0.74	0.10		312	A	78000
				11	0.84			312	C	104000

2.0	2.98	0.2	0.04	6.6	0.34	0.46	24	C	511
				8.8	0.66	0.14	24	C	1500
				11	0.8		24	C	2182
3.0	3.305	0.2	0.06	11	0.62		24	C	667

## (B) ADDITIONAL MESON TIME FOR LOW ENERGIES AND POLE/NON-POLE STUDIES

Additional time required for meson L/T with sufficient  $\Delta\varepsilon$  and requiring 5000 events/setting (central only, no t-bins)

$Q^2$	W	x	t	$E_e$	$\varepsilon$	$\Delta\varepsilon$	Hall	Addtl. Time [hrs]
4.8	2.383	0.5	0.39	6.6	0.36	0.44	C	70
6.3	2.68	0.5	0.4	8.8	0.39	0.25	C	75
6.0	2.209	0.6	0.65	6.6	0.29	0.49	C	165

Additional time required for meson pole/non-pole studies and requiring 5000 events/setting (central only, no t-bins)

3.5	1.94	0.55	0.49	6.6	0.73	0.18	C	5
				11	0.91		C	5
	2.4	0.42	0.24	6.6	0.53	0.33	C	50
				11	0.86		C	15

**TOTAL** **385**

**(C.) BEAM TIME FOR ALTERNATIVE Q2 SETTING FOR ABOVE DVCS SETTING  
TO AVOID ISSUES WITH HMS MAX MOMENTUM**

Setting at slightly higher Q2 than 3.1 GeV2 above to avoid issues with exceeding maximum HMS momentum  
(similar stats to setting above), central only, no t-bins

3.5	2.09	0.5	0.38	6.6	0.67	0.23	C	48
				8.8			C	36
				11	0.9		C	24
<b>TOTAL</b>								<b>108</b>

**(D) ADDITIONAL MESON BEAM TIME FOR LOW X SETTING**

Additional meson time required for low  $x=0.2$  settings and requiring 5000 events/setting (central only, no t-bins)

2.0	2.98	0.2	0.04	6.6	0.34		C	211
				8.8	0.66		C	56
				11	0.8		C	31
3.0	3.305	0.2	0.06	11	0.62		C	156
<b>TOTAL</b>								<b>454</b>