

## VI. APPENDIX A

	4.4 GeV	5.5 GeV	6.6 GeV	7.7 GeV	8.8 GeV	11 GeV
Production	24.2	118.6	115.7	61.8	68.3	74.1
Coulomb correction scan (prod.)	5.2					11.1
$E_p, \theta$ changes	3.6	6.6	8.9	5.9	8.9	8.9
Target changes	7.4	13.1	17.6	11.4	17.6	17.6

TABLE X: Time in hours per beam energy for the most time consuming experimental activities.

## VII. APPENDIX B

Quantity	Uncertainty	$d\sigma_{DIS}/\sigma_{DIS}$ pt-pt
Beam Energy	0.04%	0.1%
Beam Charge	0.2 $\mu$ A	0.5 (*40/I) %
Scattered Electron Energy	0.04%	<0.1 %
Electronic Dead Time	0.25%	0.25%
Computer Dead Time	0.2%	0.2%
Tracking Efficiency	0.3%	0.3%
Detector Efficiency	0.2%	0.2%
Charge Symmetric Background	0.4%	0.4%
Acceptance	0.6%	0.6%
Scattered Electron Angle	0.5 mr	1.0 (*5.5/ $\theta$ ) %
Cryogenic Target Density	0.1%	0.1%
Cryogenic Target length	0.1%	0.1%
Cryogenic Target Background	0.3%	0.3%
Radiative Correction	1%	1% <sup>a</sup>
Total in Cryogenic Rosenbluth Separation	1.8%(1.5% at $\theta > 11.0$ )	
Total in Nuclear Rosenbluth Separation	1.7%	
Total in Nuclear/Cryogenic Ratio	1.1%	

<sup>a</sup>It can be bigger for some kinematics.

TABLE XI: Point-to-Point systematic uncertainties in the DIS cross section due to the uncertainty in various experimental quantities. Table taken from V. Tvaskis thesis [34].

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