

Beam Asymmetry Progress

Alicia Postuma

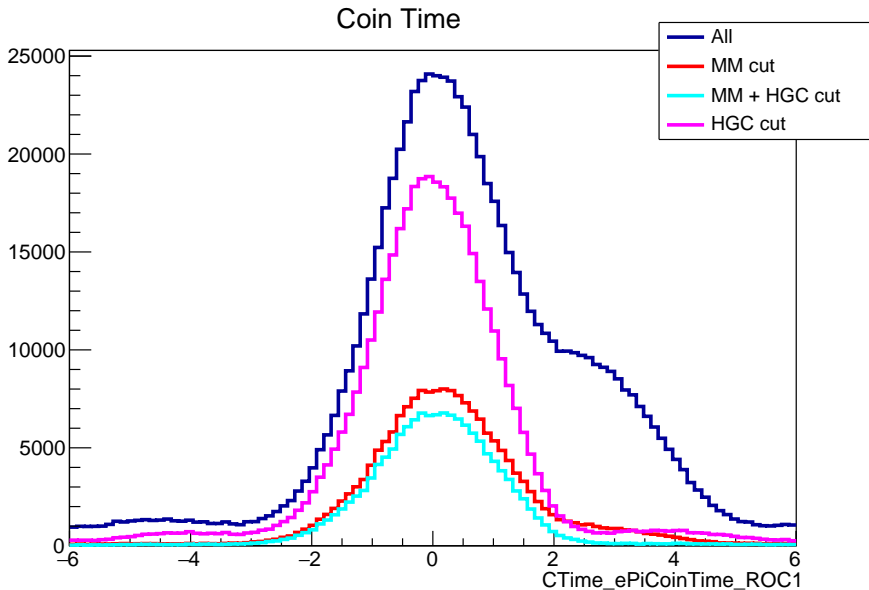
Group meeting May 1

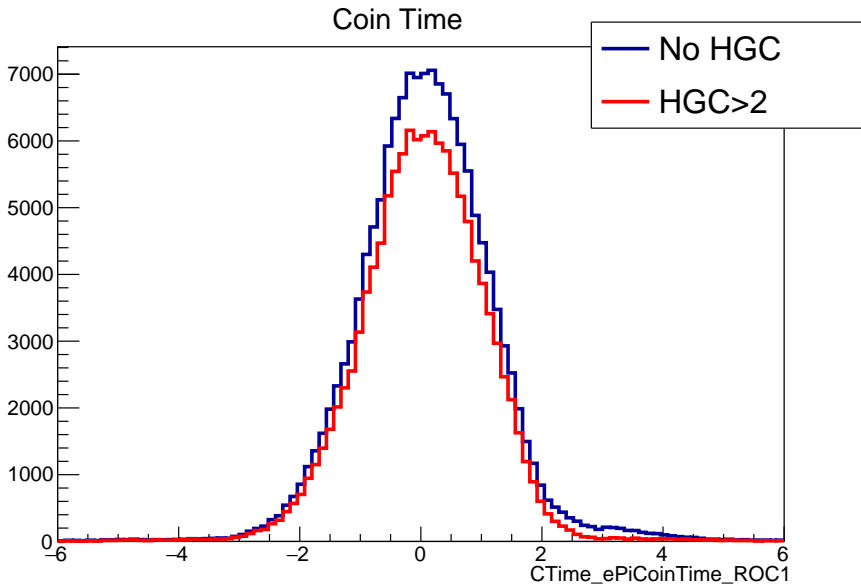
University of Regina

KaonLT Experiment, Jefferson Lab Hall C

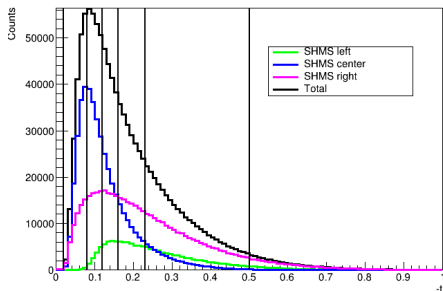


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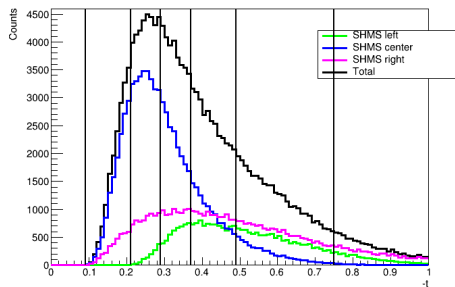




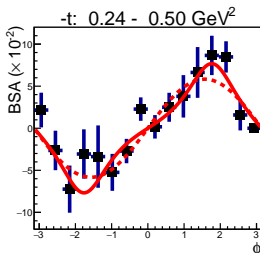
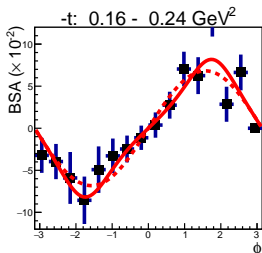
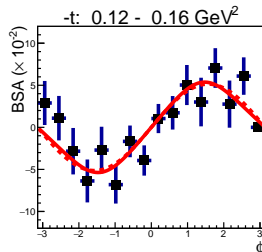
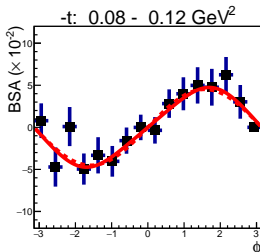
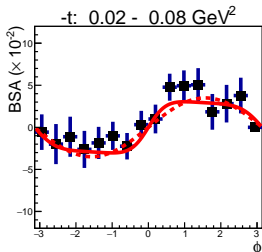
$Q^2=3$, $W=3.14$



$Q^2=5.5$, $W=3.02$



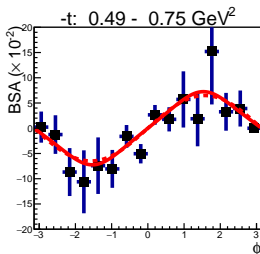
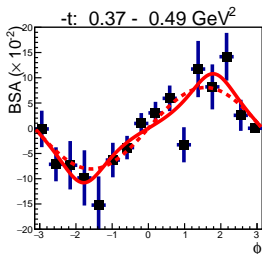
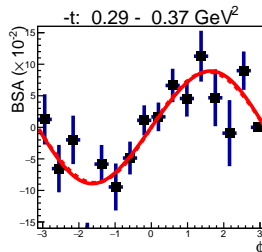
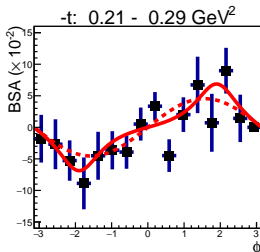
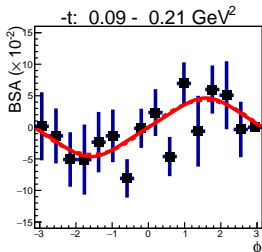
Asymmetry: Q2=3, W=3.14



--- A sin ϕ
— $\frac{A \sin \phi}{1 + B \cos \phi + C \cos 2 \phi}$

$$A \propto \frac{\sigma_{LT}}{\sigma_0}$$

Asymmetry: Q2=5.5, W=3.02



--- A sin ϕ
— $\frac{A \sin \phi}{1 + B \cos \phi + C \cos 2 \phi}$

$$A \propto \frac{\sigma_{LT}}{\sigma_0}$$



- Finalize binning with Ali
- Extract $\sigma_{LT'}/\sigma_0$ from new bins
- Explore SIMC options
- Cut dependence - coin time
- Cut dependence - missing mass