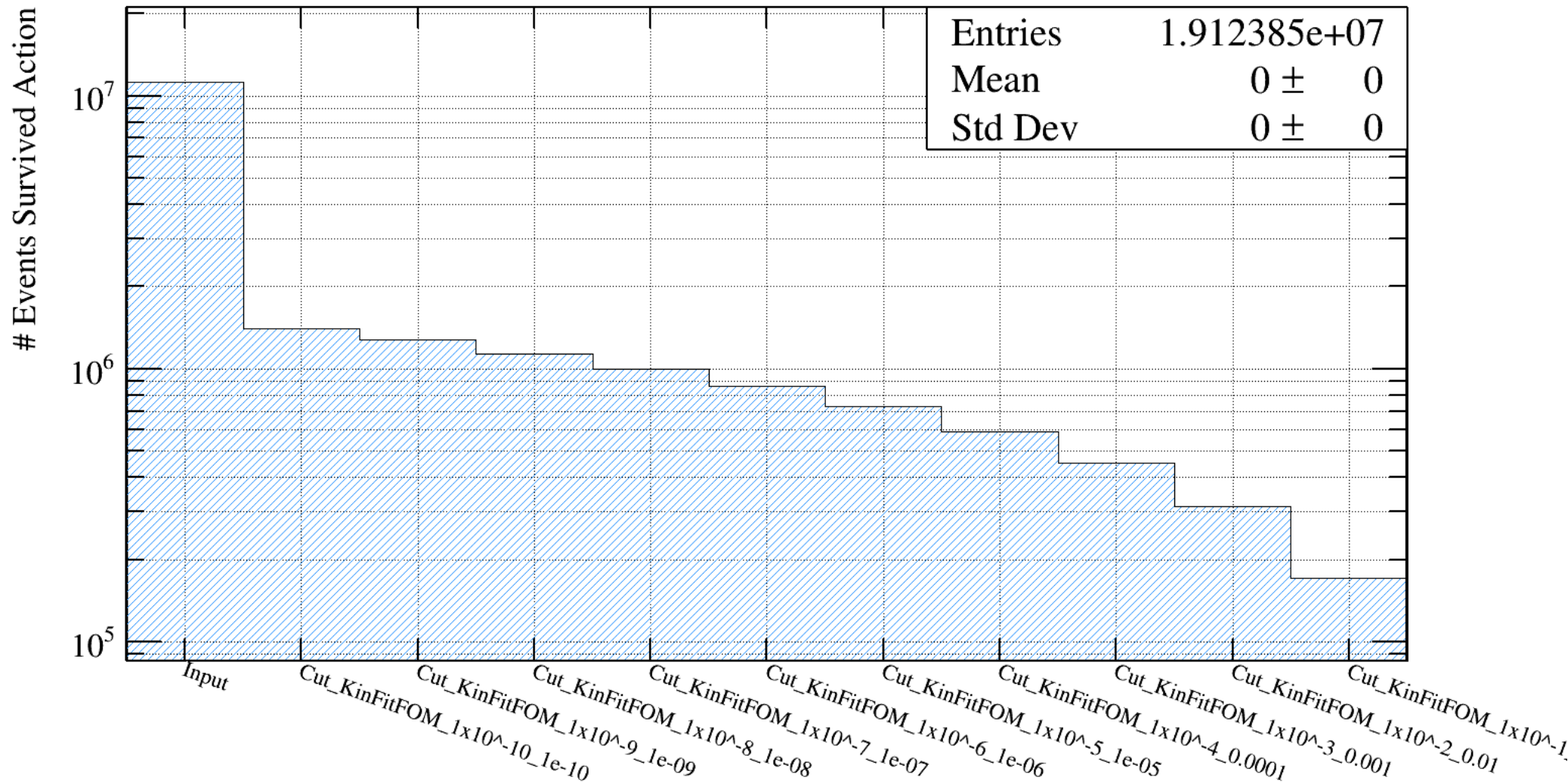
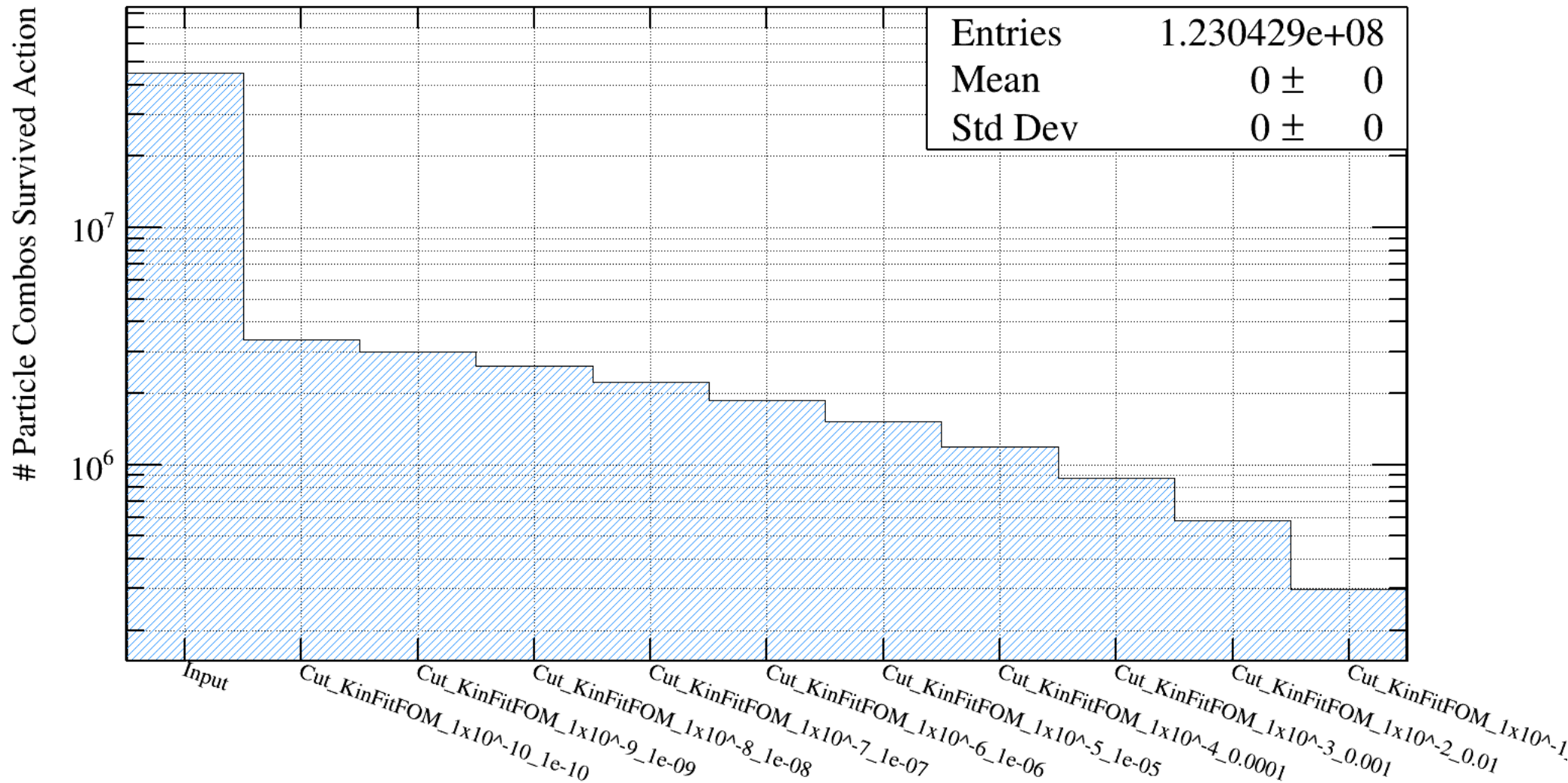


# Number of Events after CL Cuts

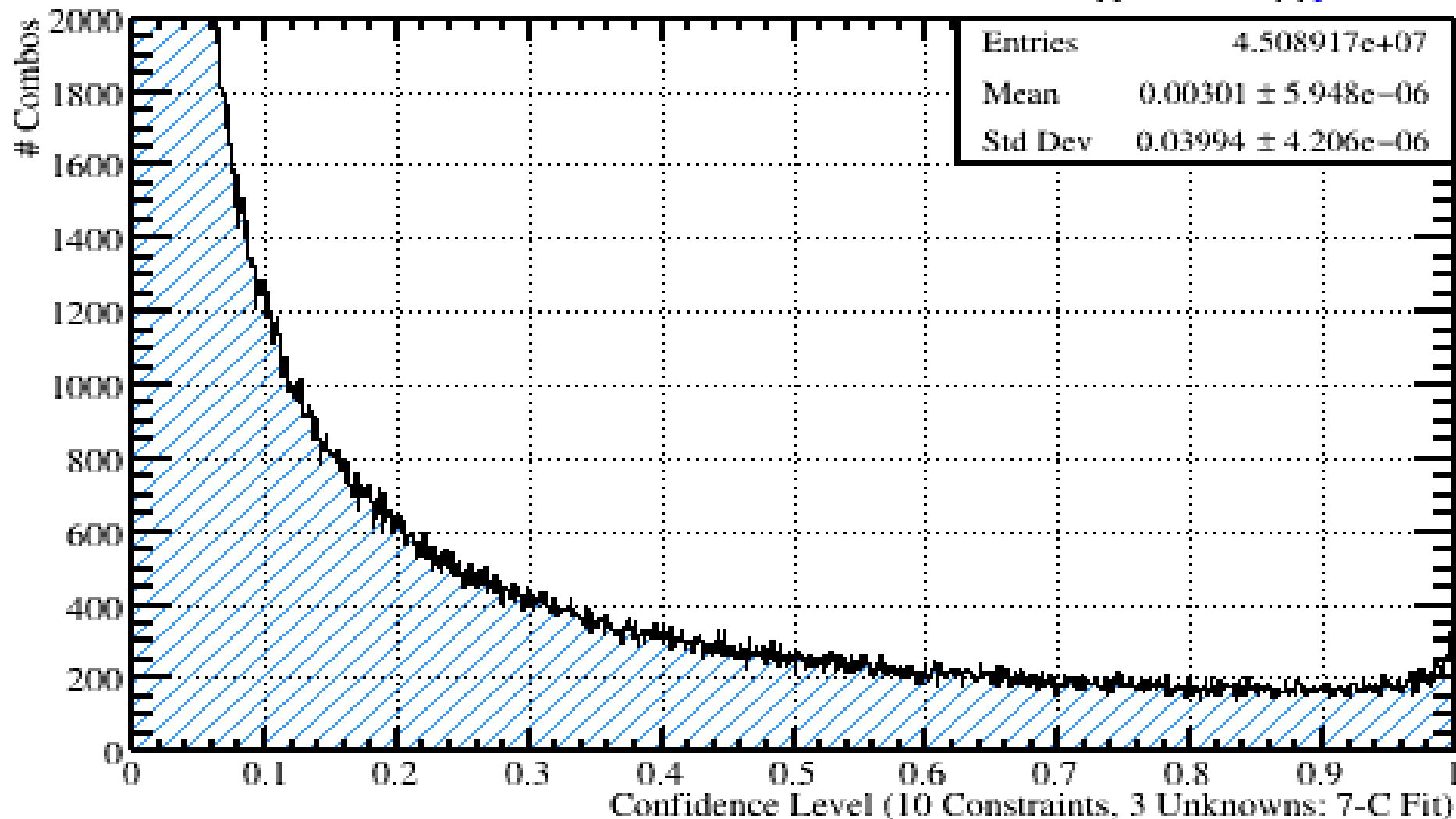


# Number of Combos after CL Cuts



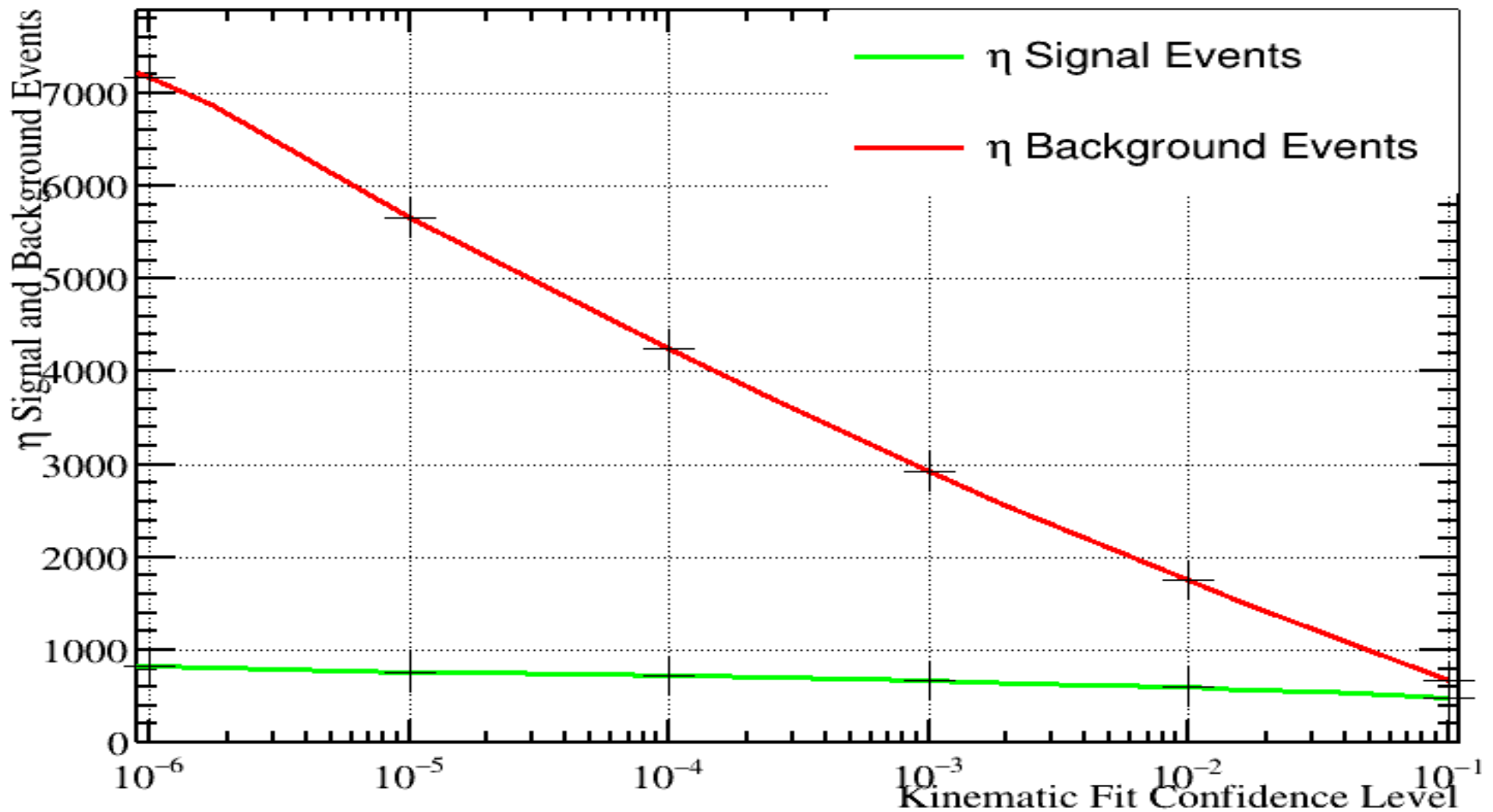
# Kinematic Fit Confidence Level

Kinematic Fit Constraints:  $p^4, x^3$   
 $\gamma p \rightarrow K^+ K^- \gamma \gamma p$



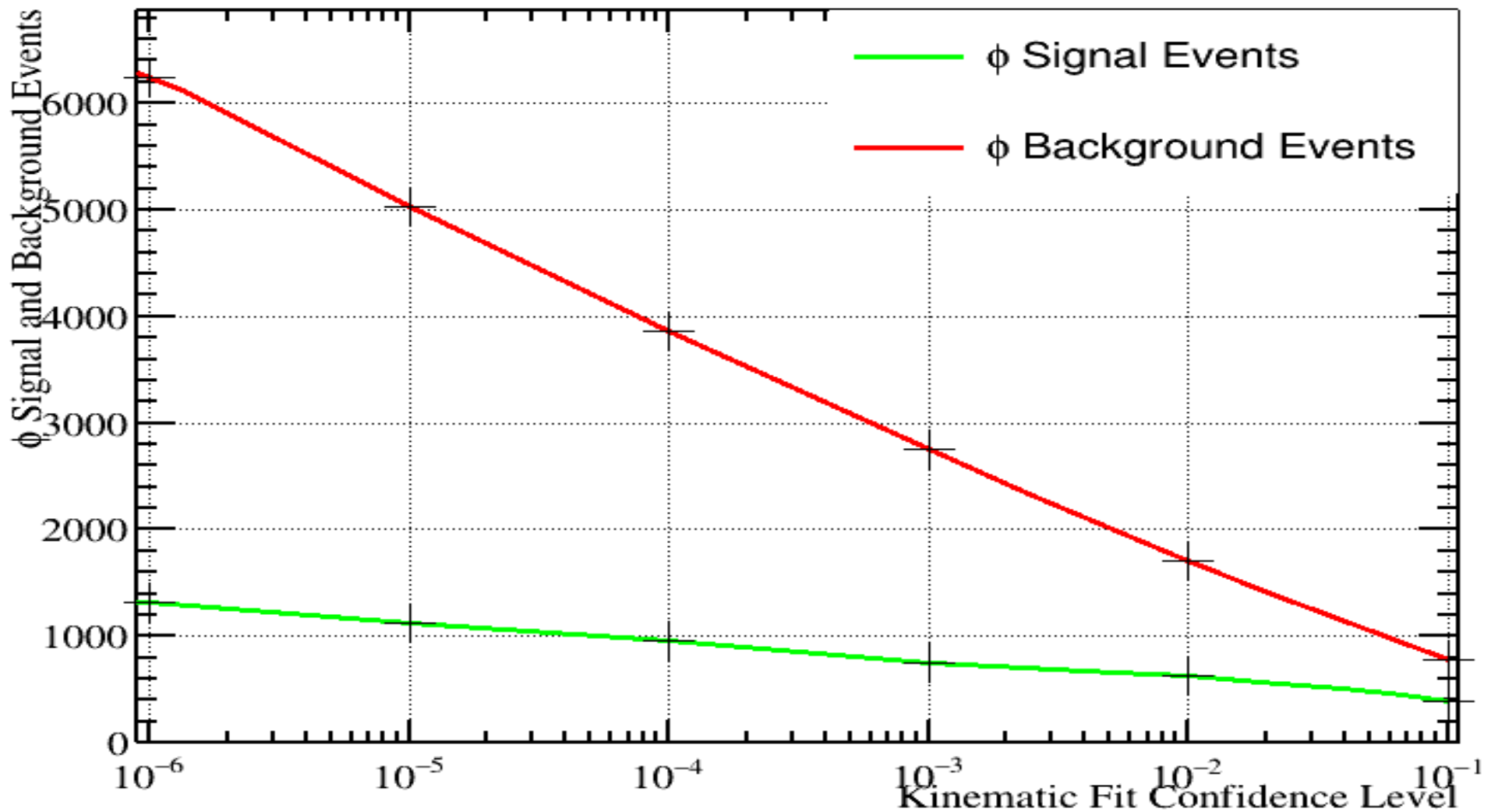
# Eta Signal & BG W/O Tighter PID Cuts:

$\eta$  Signal and Background Events vs Confidence Level



# Phi Signal & BG W/O Tighter PID Cuts:

$\phi$  Signal and Background Events vs Confidence Level



# Conclusions

- After closer inspection, PID cuts must come first if we want to see the signal and background lines cross like they do in the current analysis note.
- A presentation similar to that seen in Barnes Ph.D thesis may be necessary