

u-Channel: DVCS?

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KaonLT Experiment, Jefferson Lab Hall C



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of Regina

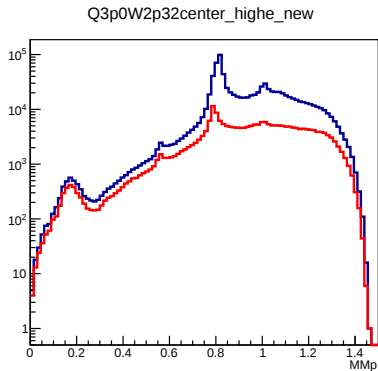
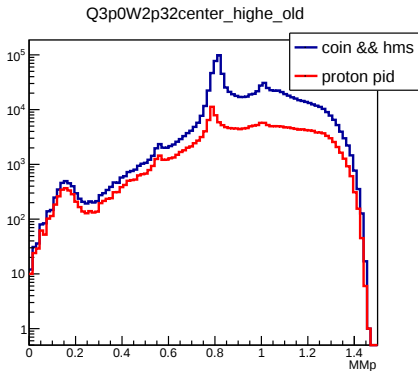


- Submitted!
- Needed assistance from editor and Elsevier support again
- Waiting for next instructions
- Working on arXiv submission

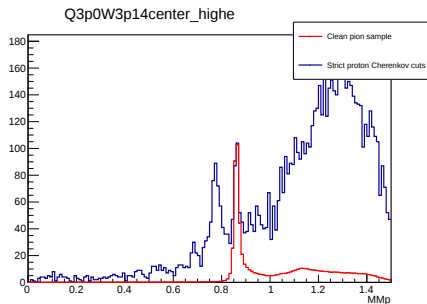
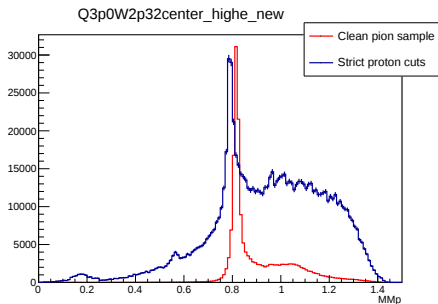
New Replay for $Q^2=3$, $W=2.32$, high ϵ



- Hoping to improve resolution of $\pi^+ n$ vs $p\omega^0$ peaks
- Improved matrix element for $P_{HMS}=6.59$ GeV



Minimal changes – had a different plot for Regina group meeting which had a typo in the cuts.

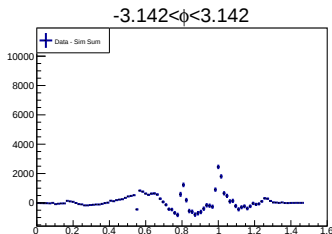
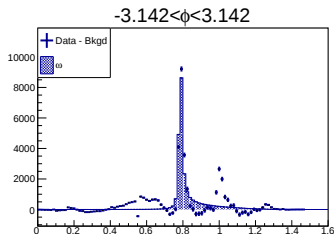
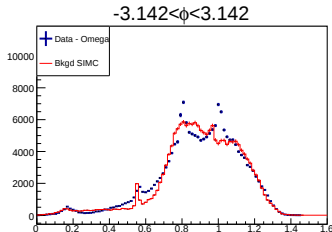
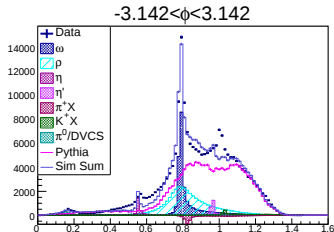


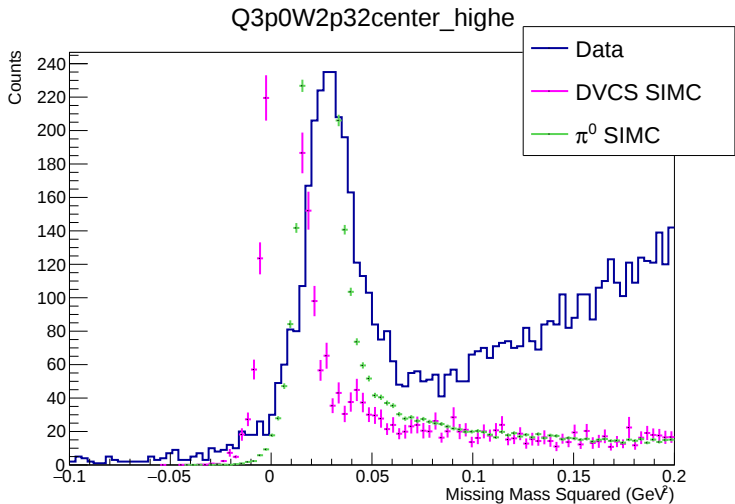
Peaks for $\pi^+ n$ and $\rho\omega^0$ are still very close together compared to other settings.

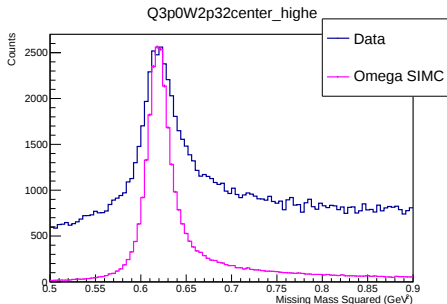
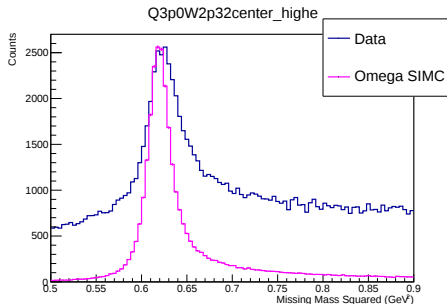
Shape Study with New Replay



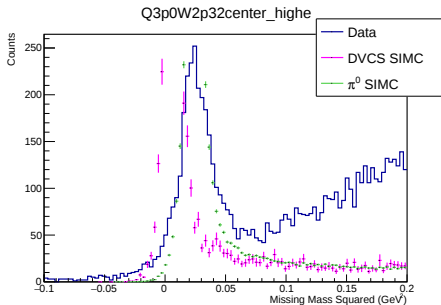
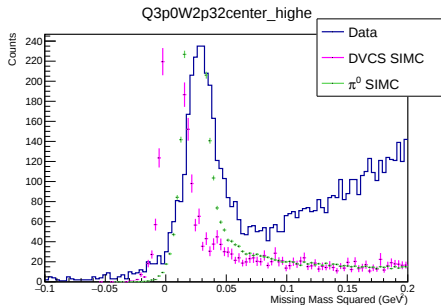
- Still difficult to fit the $\pi^+ n$ leakthrough
- This is also the setting with the Pythia oddity







Match ω^0 peak data to SIMC: shift of 4 MeV



- Apply shift of 4 MeV
- Looks like mostly π^0
- However, given the difficulties with $\pi^+ n/p\omega^0$, I don't trust this setting