

Status report : kink study

Work in progress

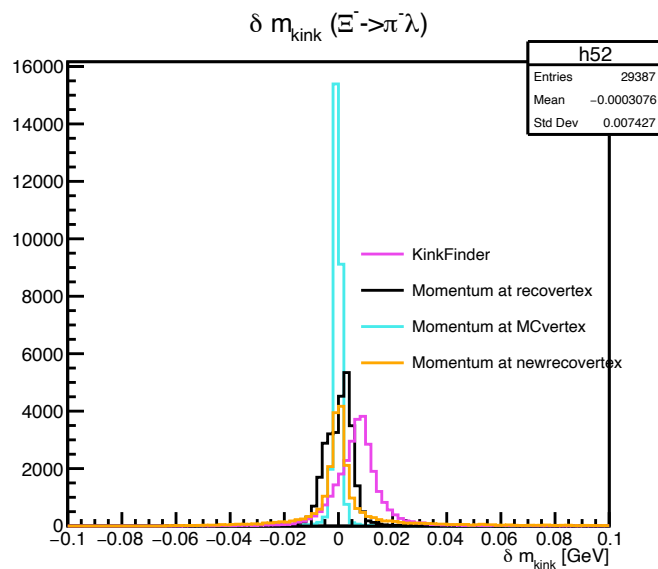
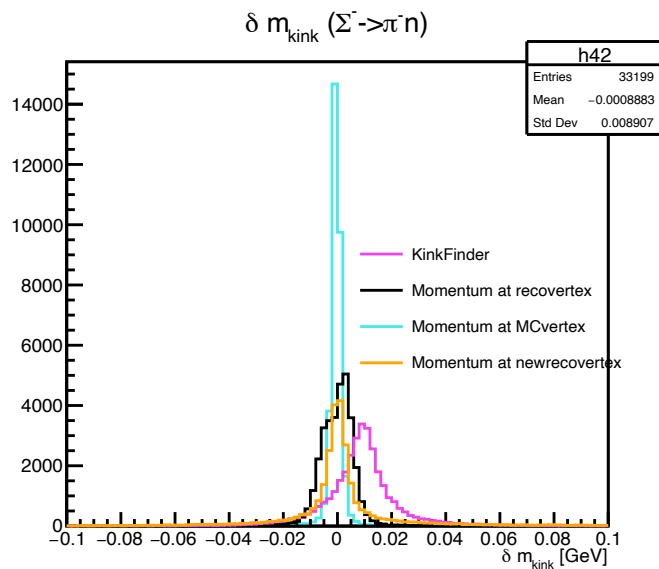
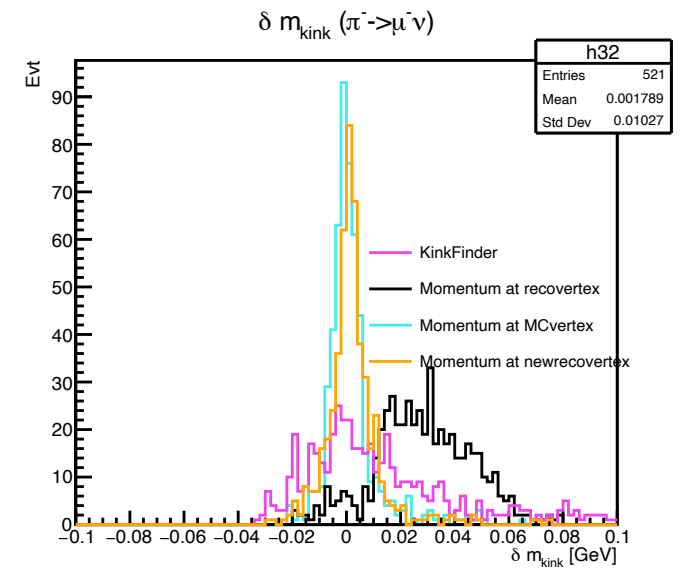
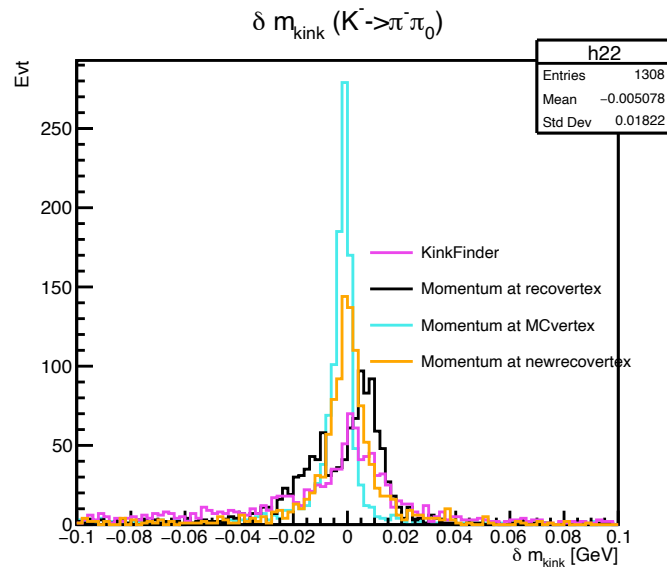
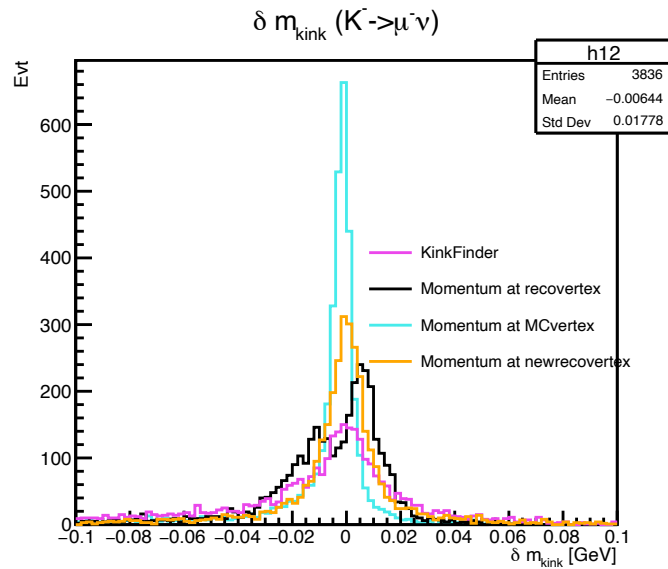
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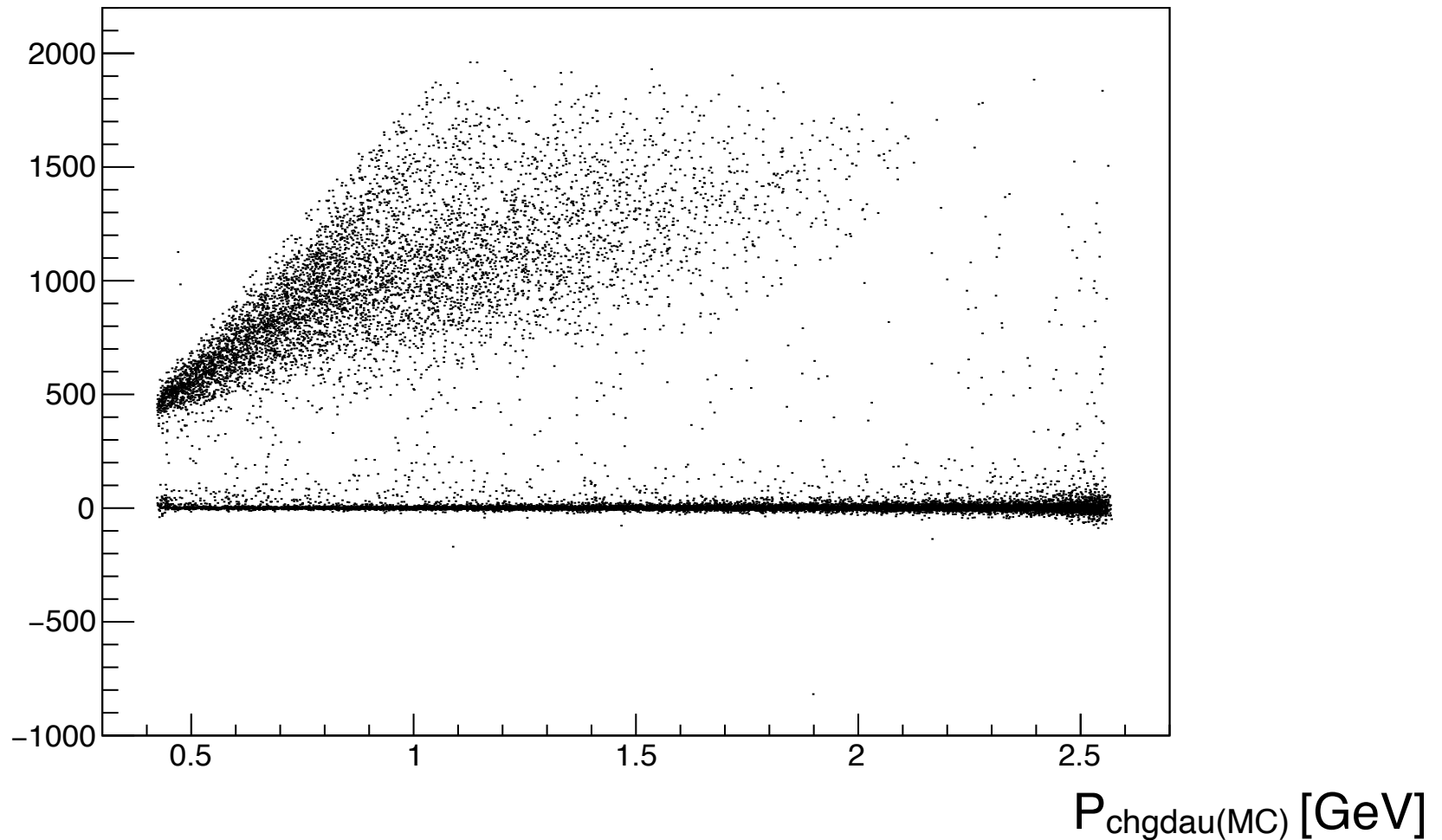


Comparison of δm distribution - new!



$dvtx_{\text{reco-MC}}$ [mm]

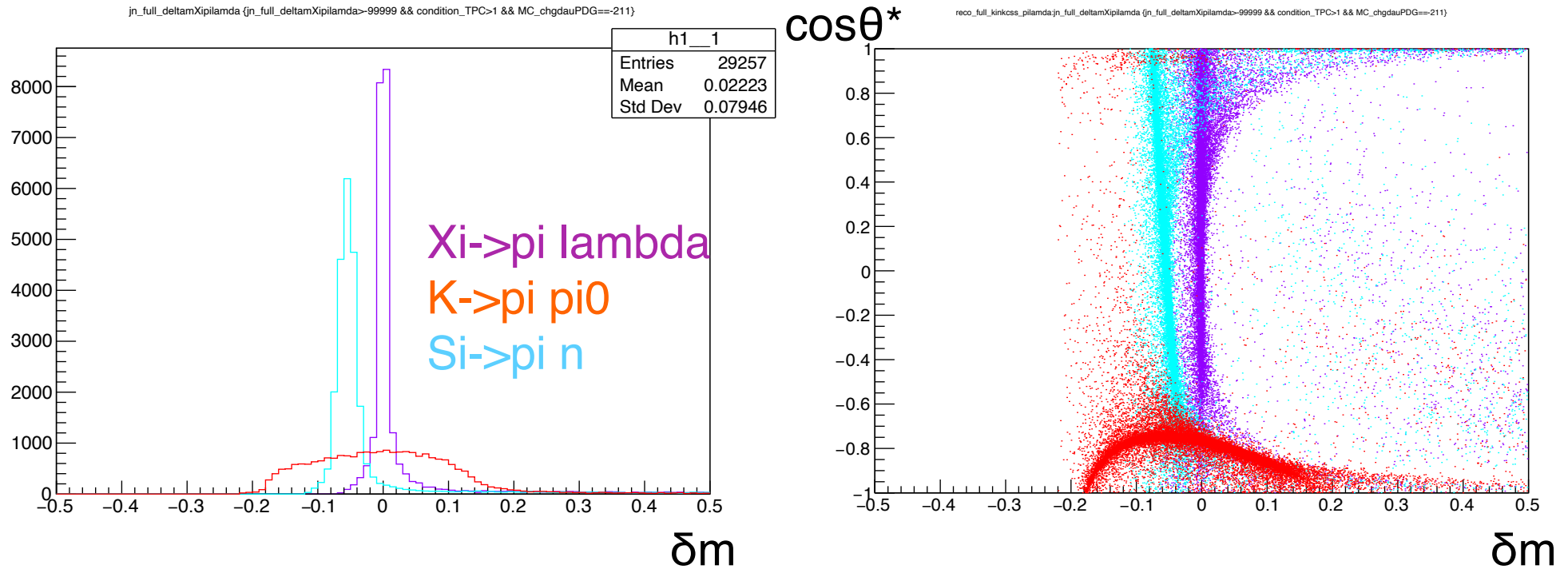
full_kpos-MC_kaondau_vtx:MC_kaondau_initP (MC_kaondau_vtx>999999 && mt_deltamXi>999999 && full_kpos>999999 && condition_TPC>1 && MC_chgdaupDG==211)



When charged daughter momentum is low, reconstructed vertex is not good.
-> looper??

δm vs $\cos\theta^*$

True sample : Xi in different mass hypotheses



$$\delta m = m_{\text{kink}} - m_{\text{true}}$$

$\cos\theta^*$: helicity angle

Next step

I should prepare a poster for RHN study.
I try to add muon samples.

Kink

- fix the wrong position for small daughter's momenta
 <- check each events (hits information and view it by CED)
- Add a few slides until LCWS