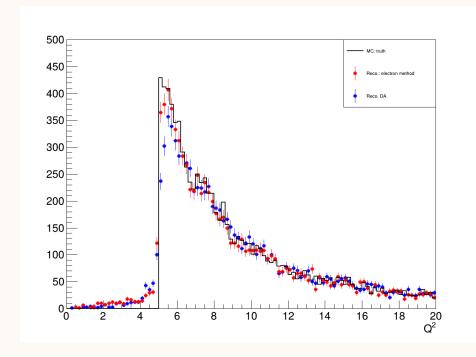
UPDATE ON CODE ANALYSIS

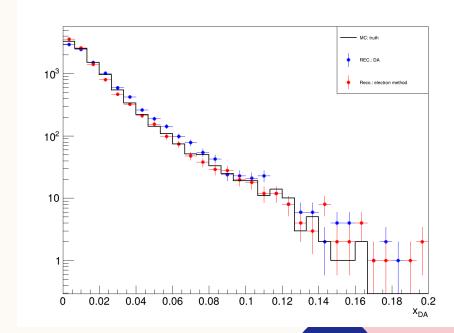
HADI HASHAMIPOUR

MINOR REVISION OF PREVIOUS PLOTS

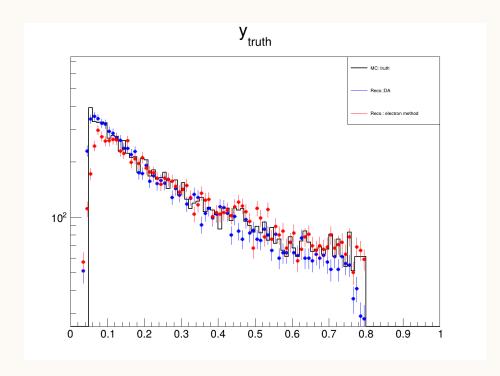
These plots seemed alright, but there was some minor changes.

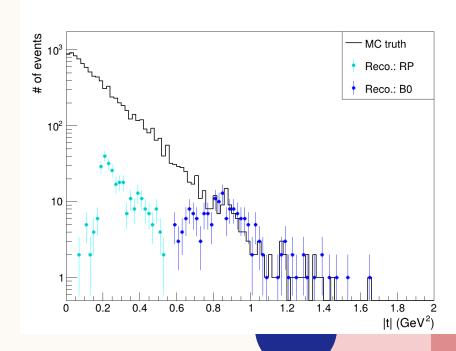
PLOTS FROM BEFORE



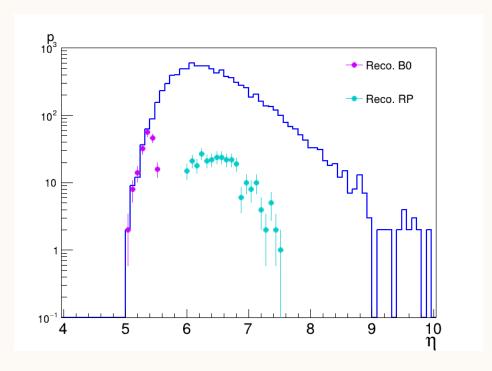


PLOTS FROM BEFORE





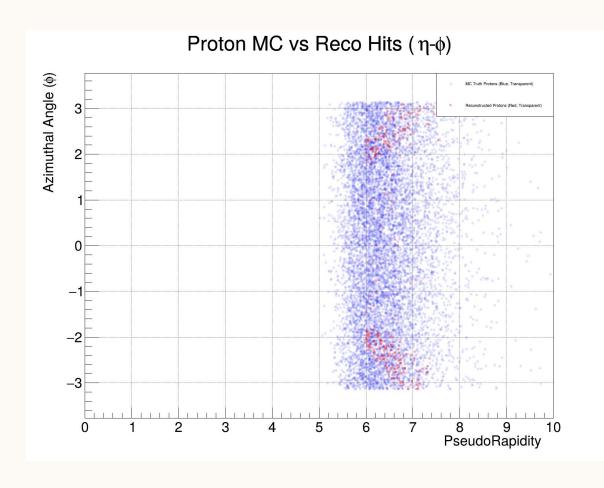
PLOTS FROM BEFORE



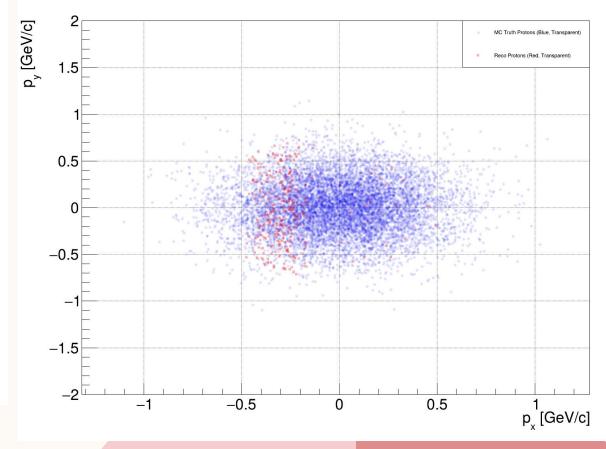
RECAP

There was an inconsistency between the proton hit distribution in RPs plotted in px-py plane and in \eta-\phi plane.

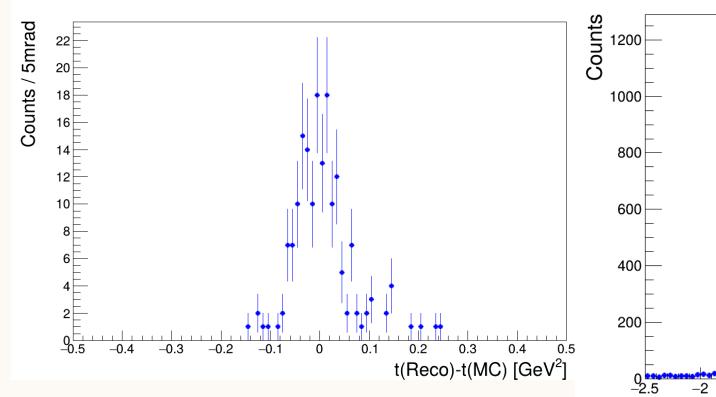
PLOTS FROM LAST WEEK

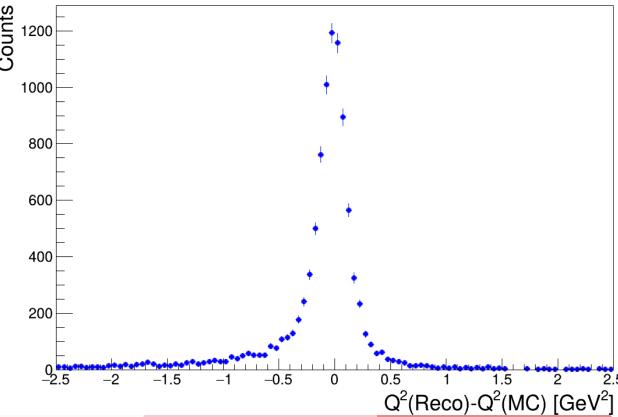


Proton MC vs Reco Hits Scatter Plot

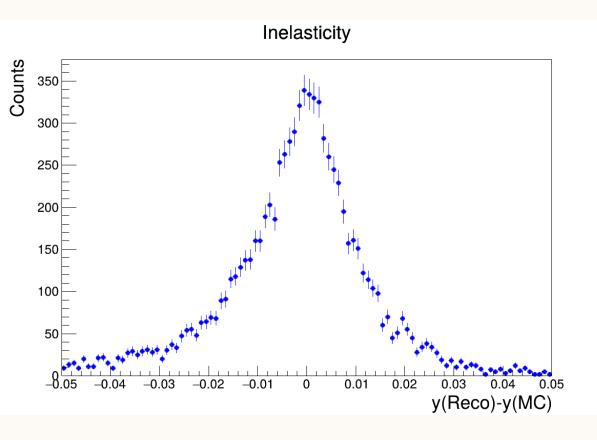


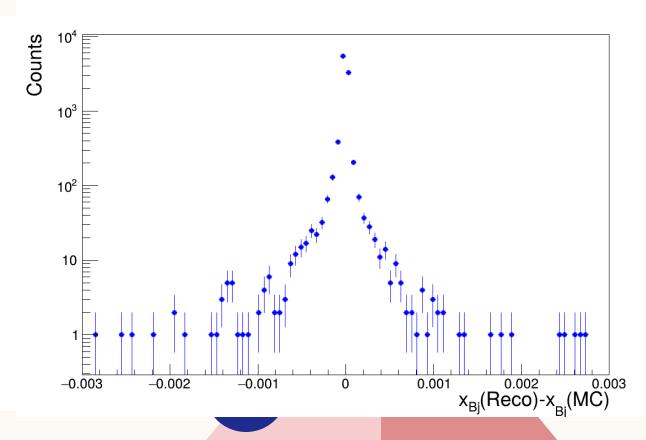
ABSOLUTE RESOLUTION



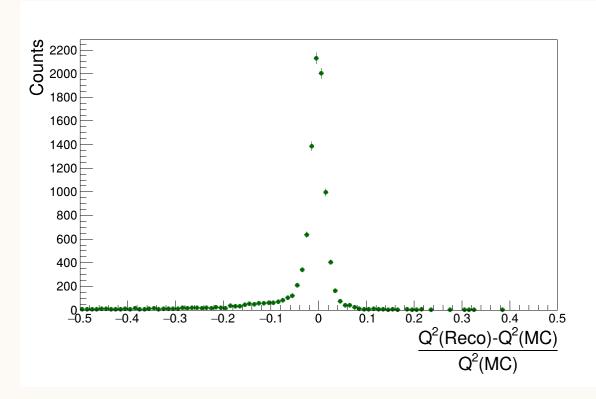


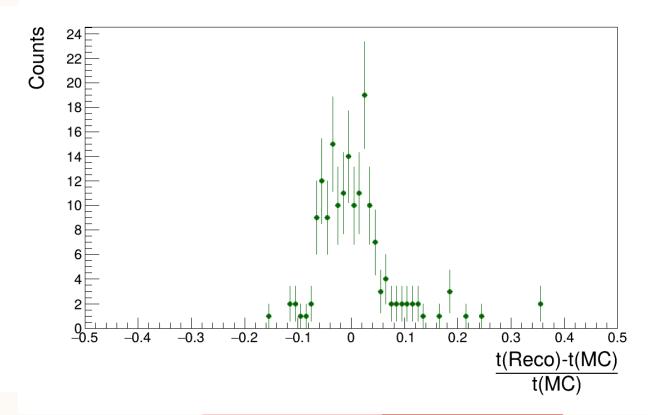
ABSOLUTE RESOLUTION



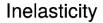


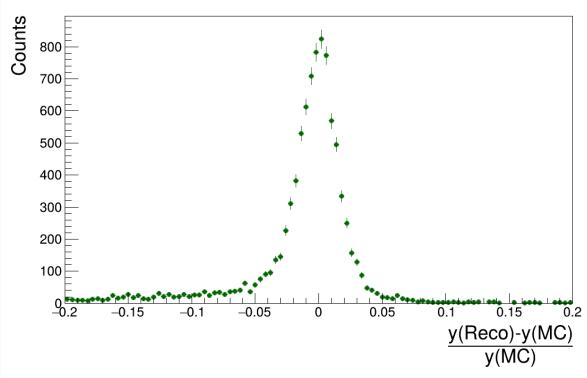
RELATIVE RESOLUTION

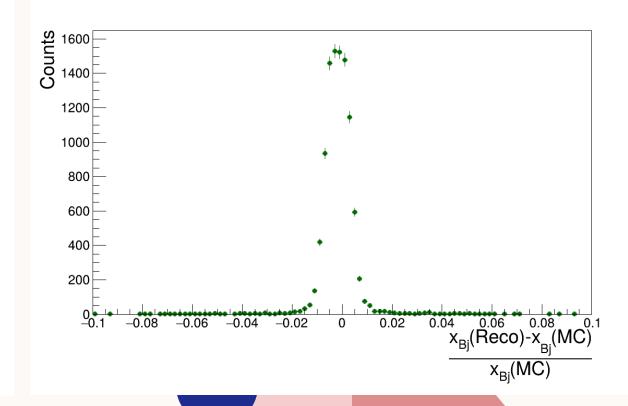


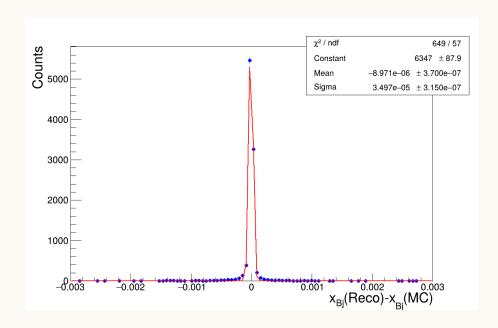


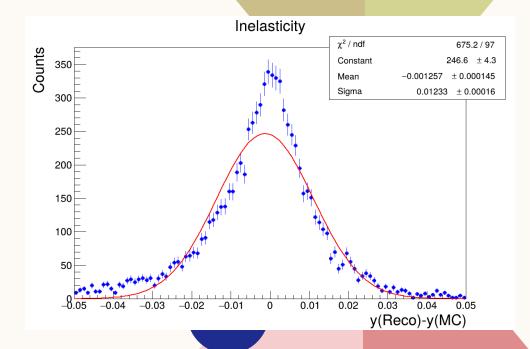
RELATIVE RESOLUTION

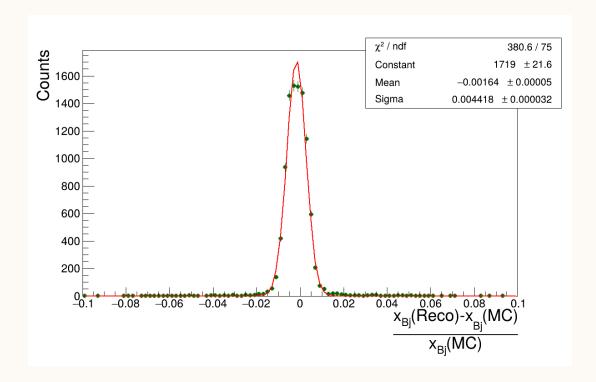


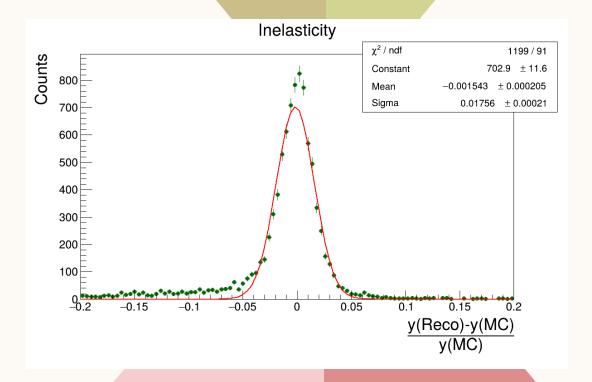


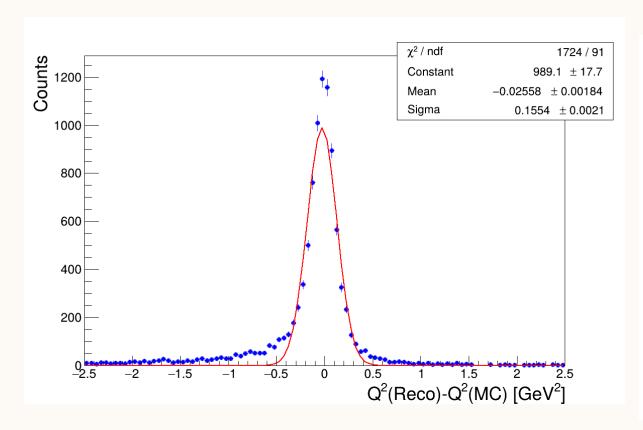


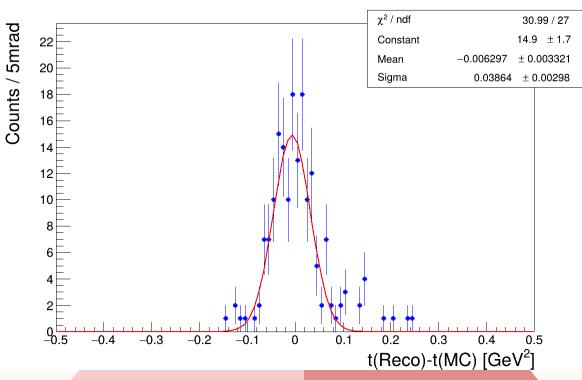


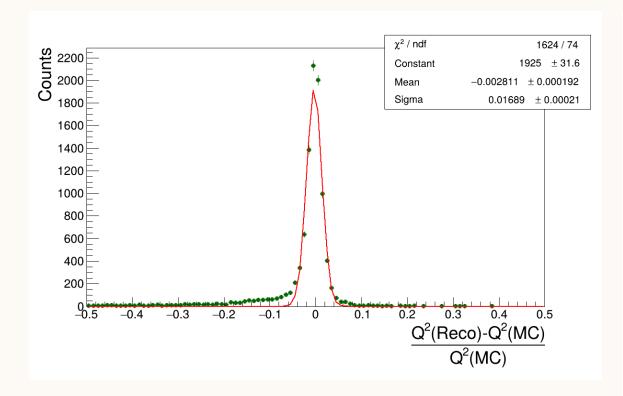


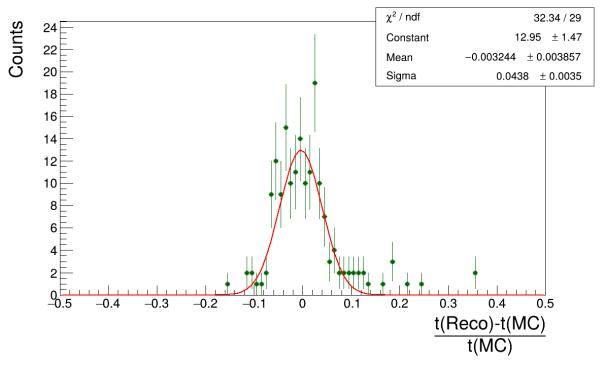




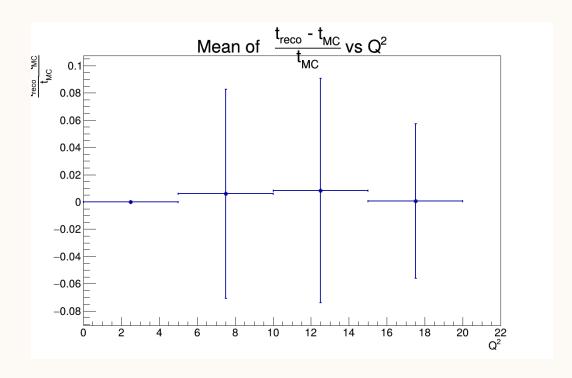




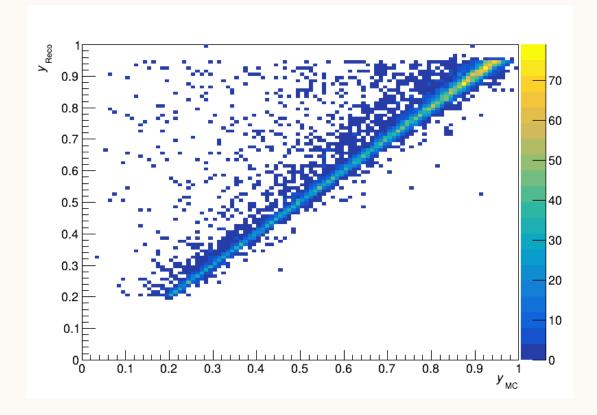


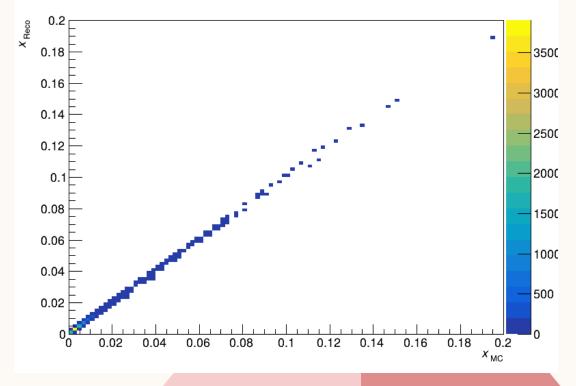


NEW PLOTS: RELATIVE BIN BY BIN RESOLUTION



NEW PLOTS: RECO. MC CORRELATION





FINAL TIPS & TAKEAWAYS

- Old ones seem OK.
- After meeting I contacted Alex Jentsch, and the problem of inconsistancy is solved. The problem was that I should have used another version of detector settings file.
- It was decided that event size of 10K used for these plots is not enough. Because of this point and the last point, I have generated 100K events, the detector simulation and reconstruction is ongoing on ReCaS.
- Binned relative(?) resolution plots was suggested to be added to these plots.

THANK YOU

