

Update on tracking

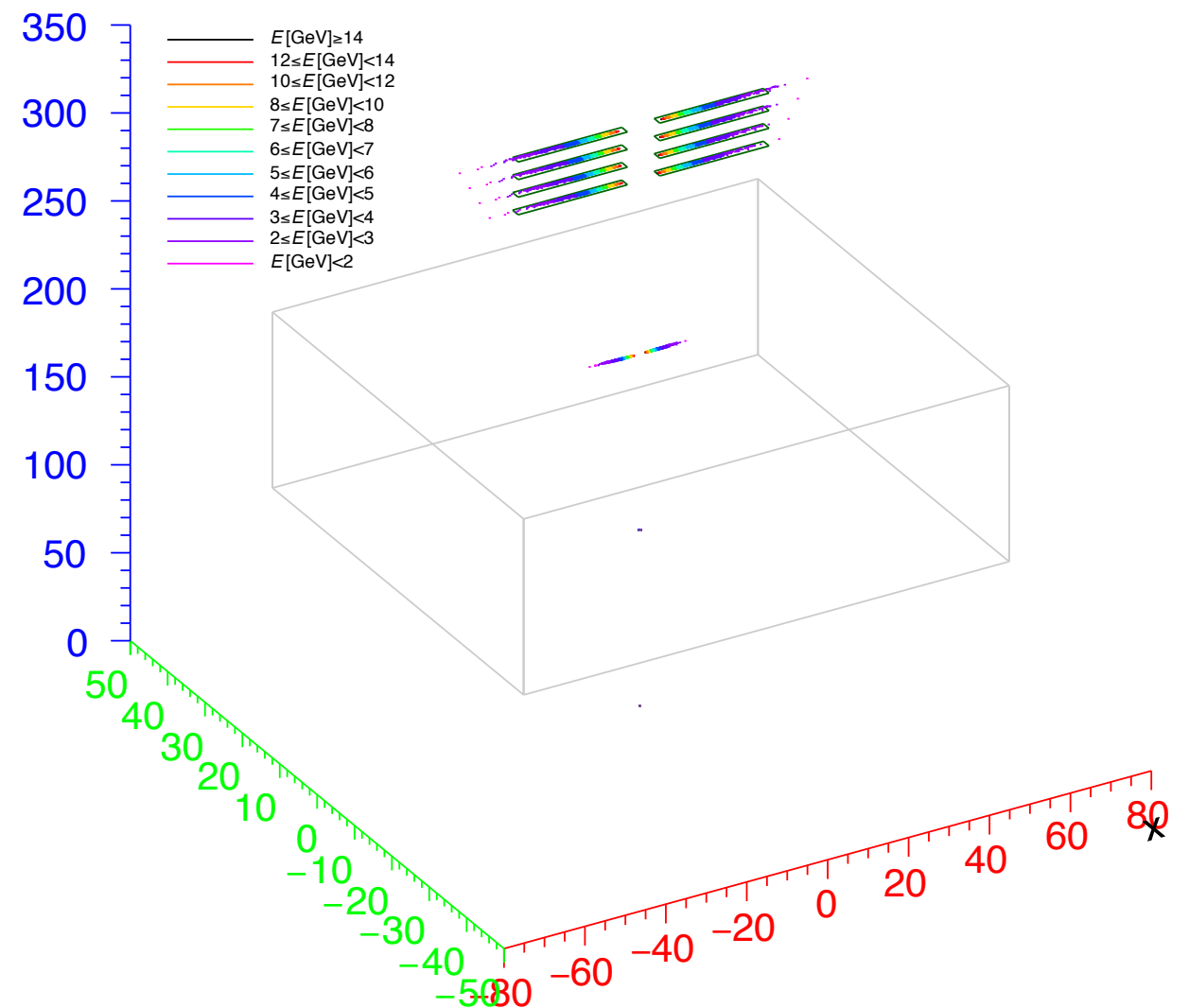
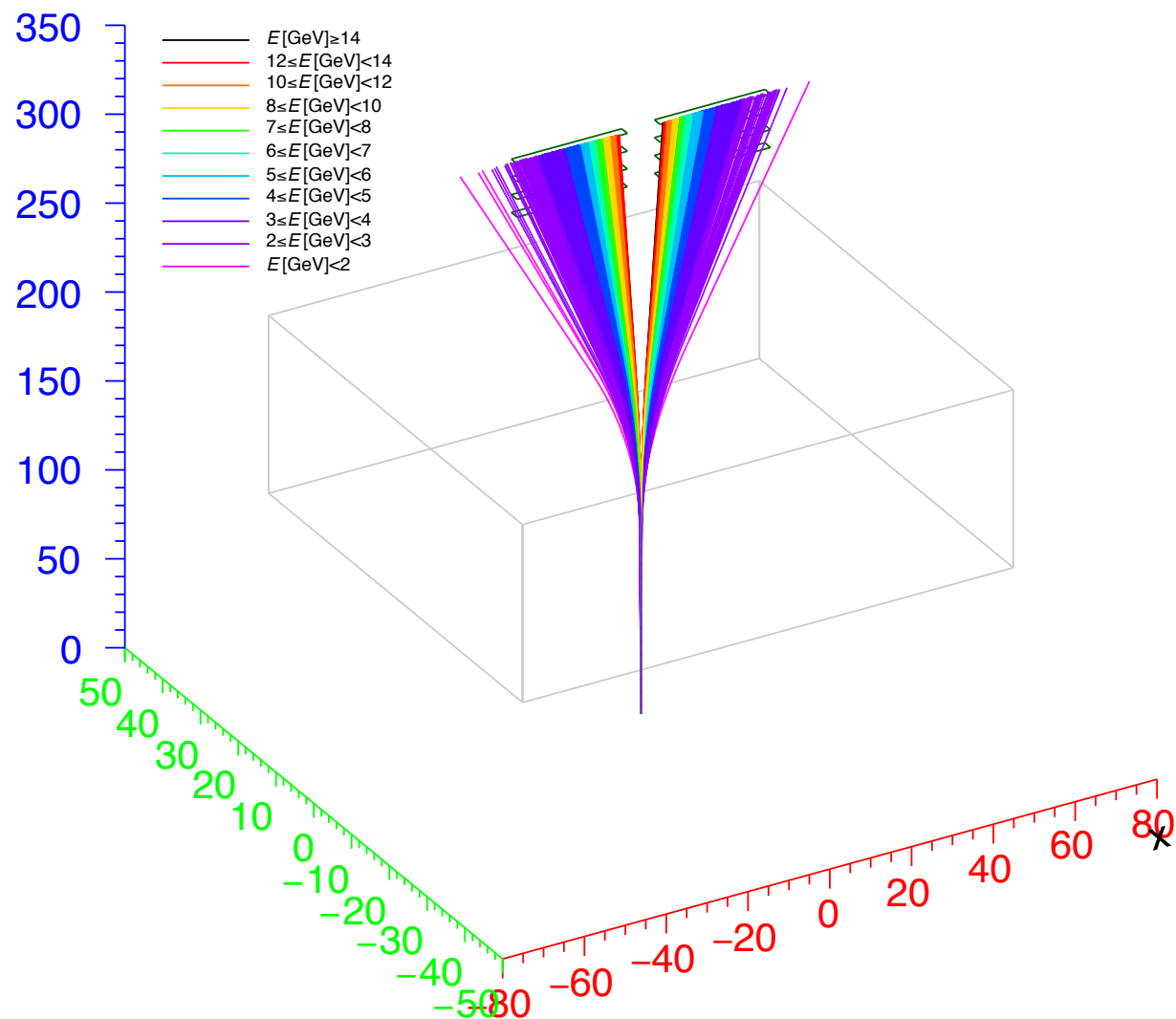
LUXE technical meeting

Alpide Reco software

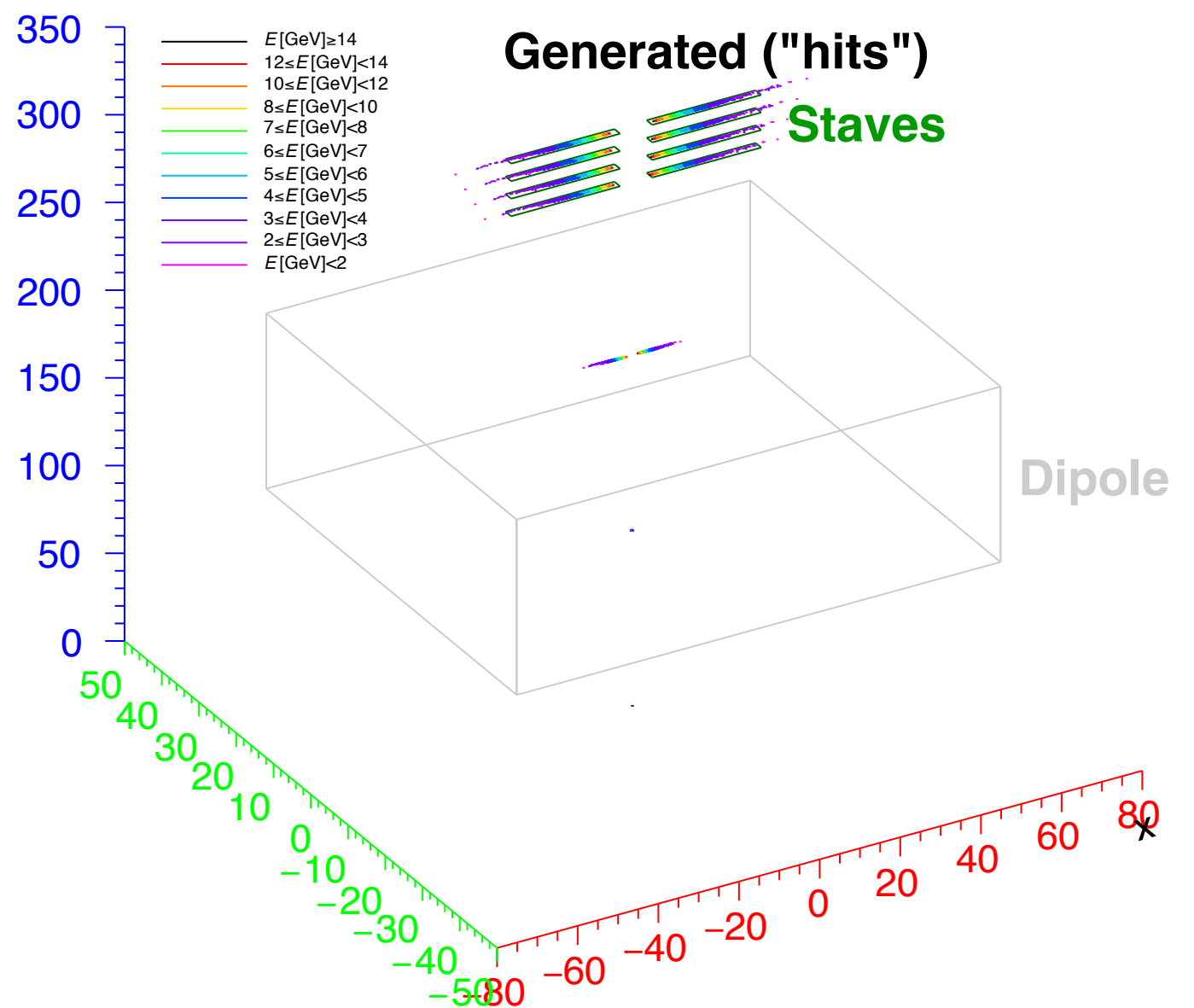
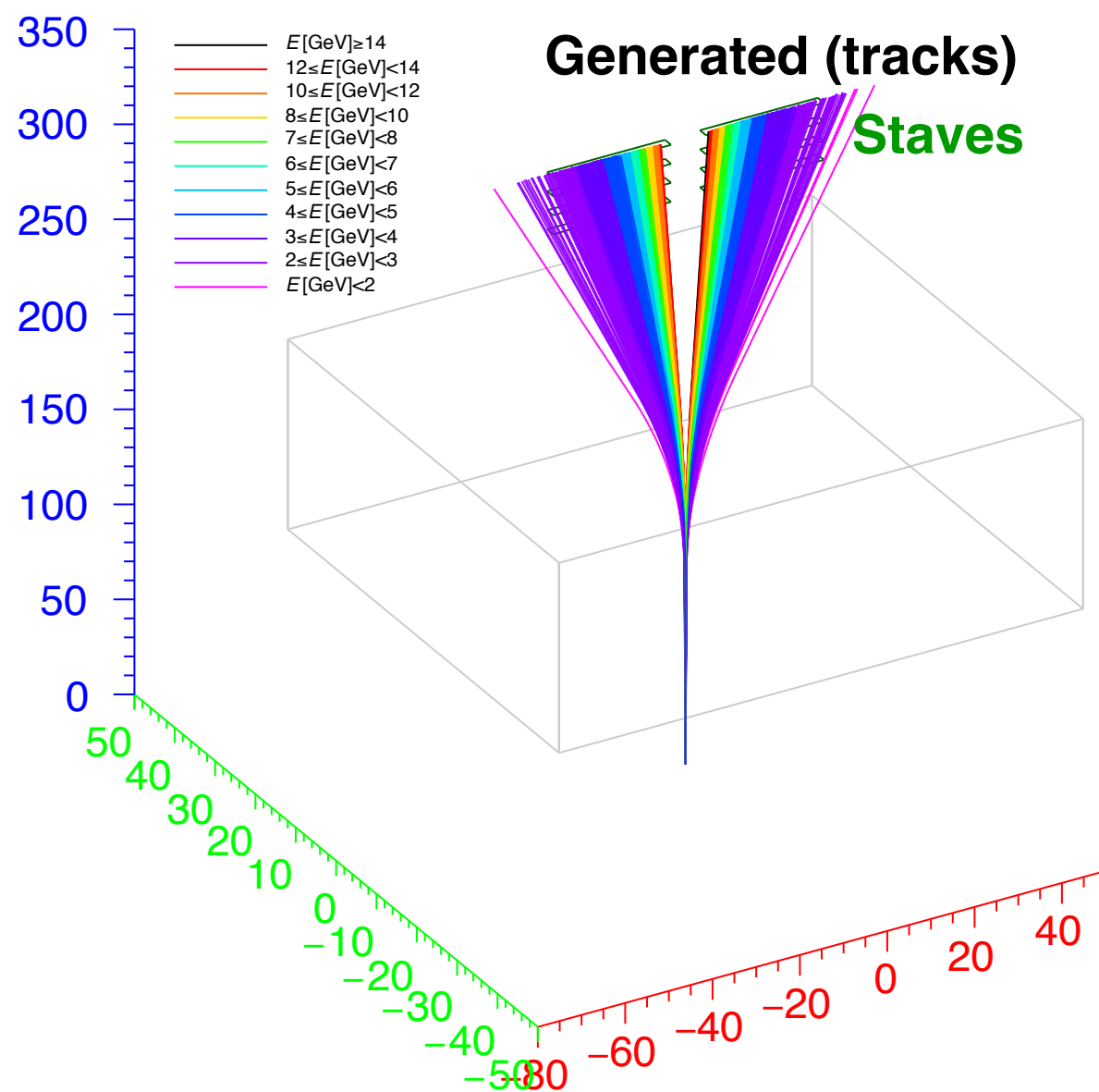
- Reconstruction software build around fast GEANT simulation of ALICE collaboration
- Developed by Noam
- Marius + Noam both working with and on this software
- Track repo in c++, Analysis in python(not used much by me until now, something new to learn)
- Visit to Weizman in Dezember for face to face collaboration
- Main goal: Include background sim from Sasha,
Problems: Both simulations include the magnet,
only well defined layer as particle source

Some first results for 17 GeV bpppp (3 Interactions)

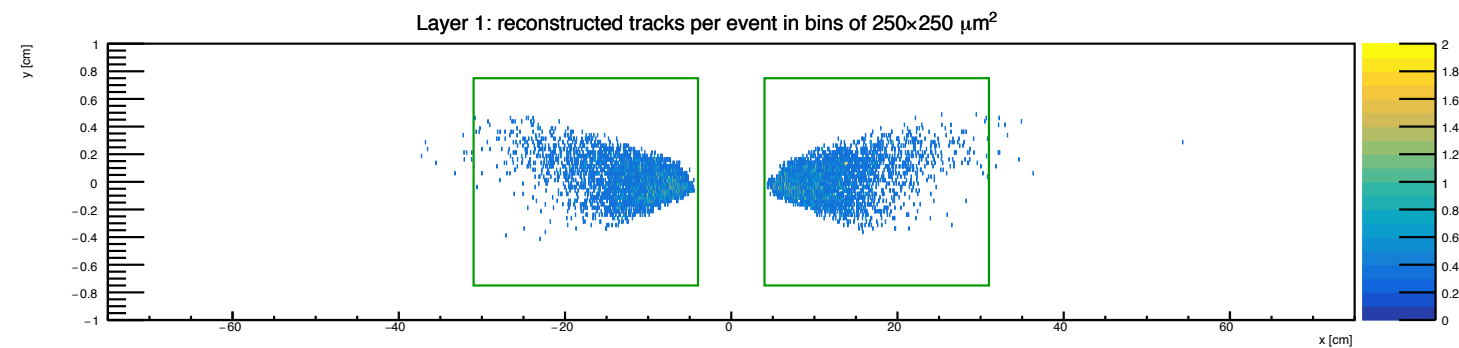
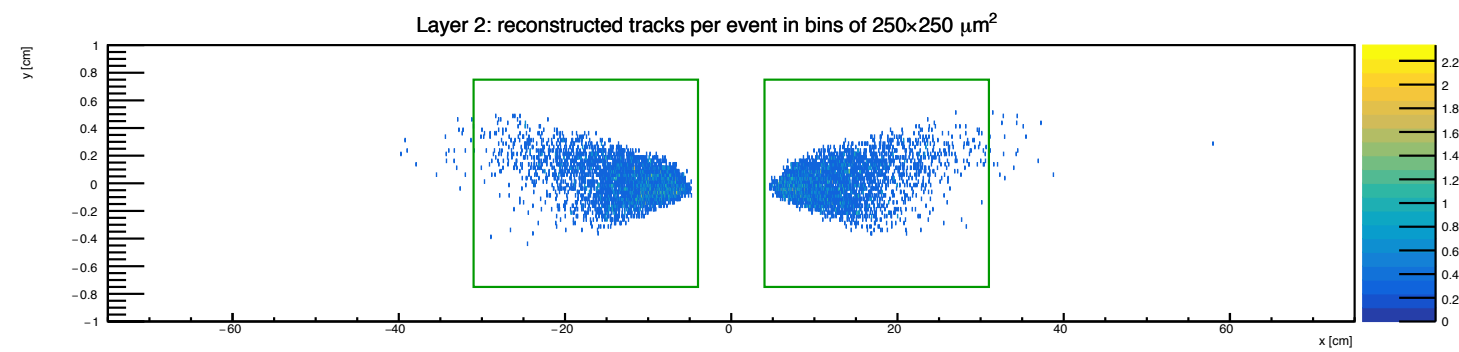
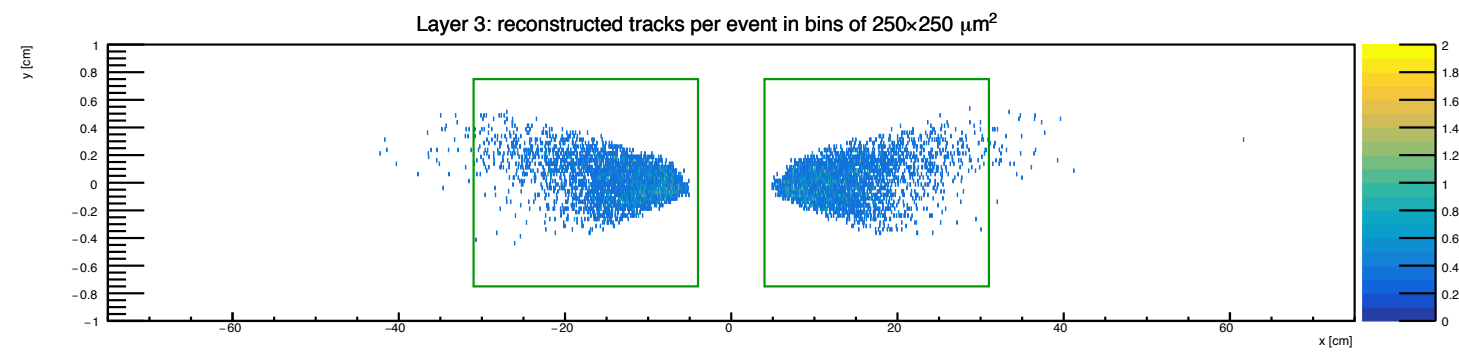
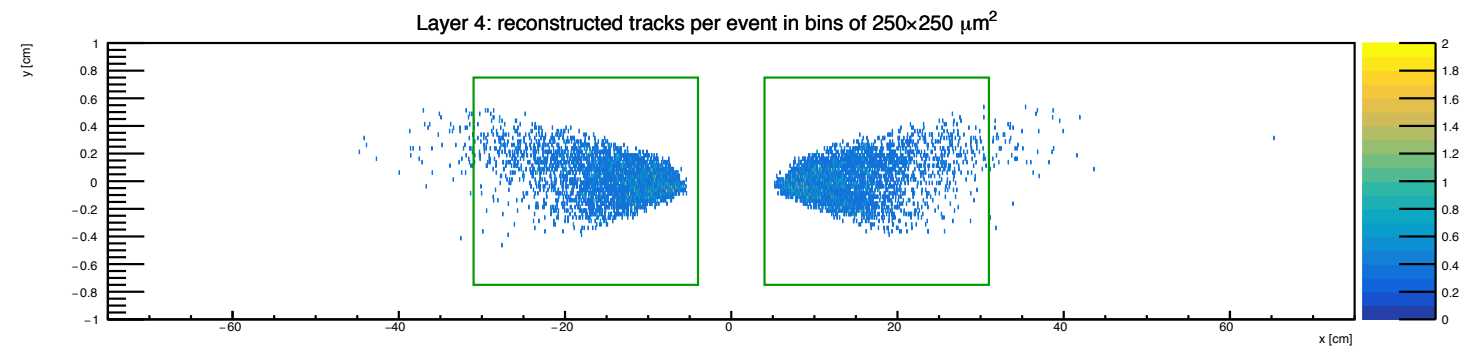
Tracks reconstructed



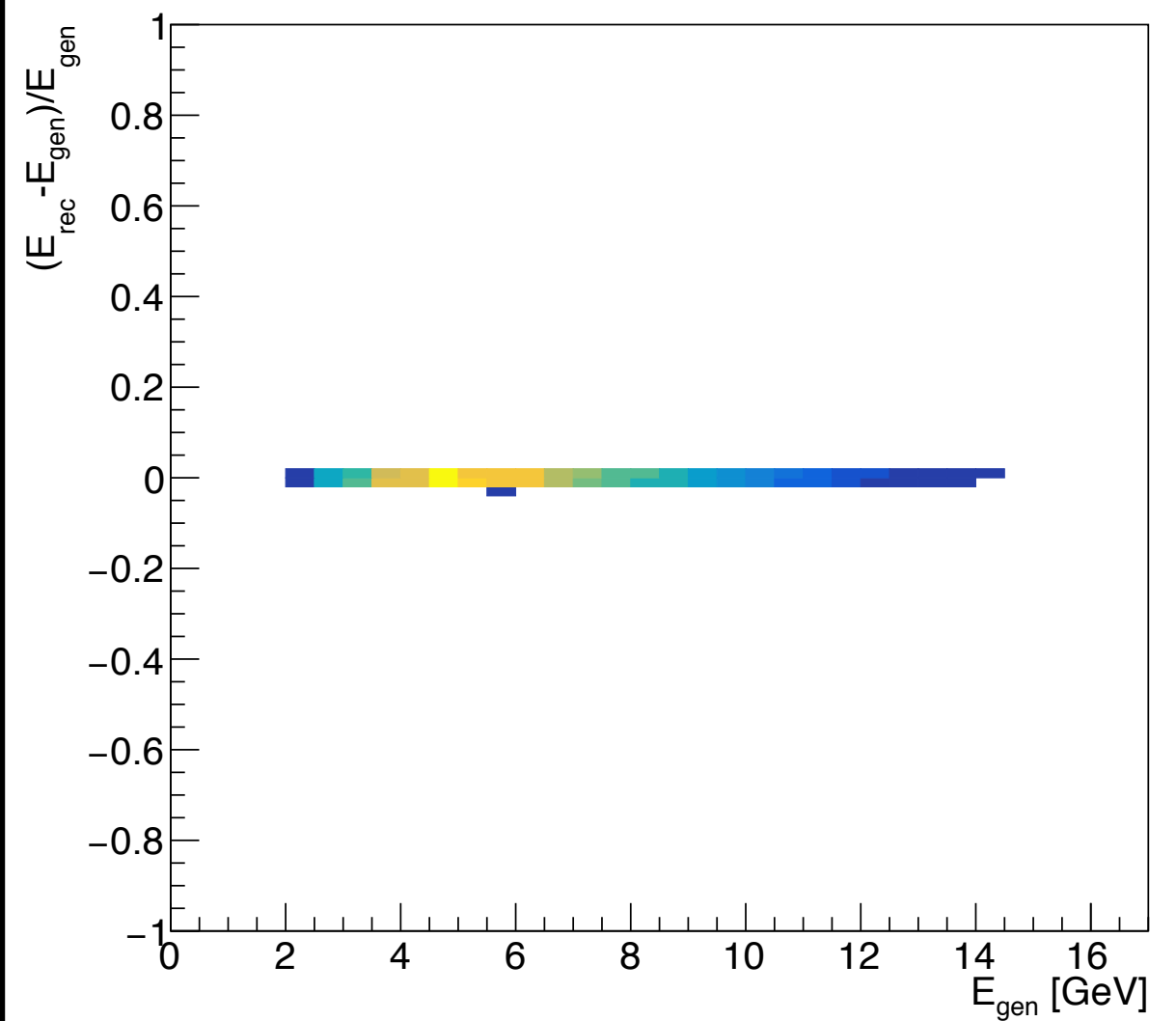
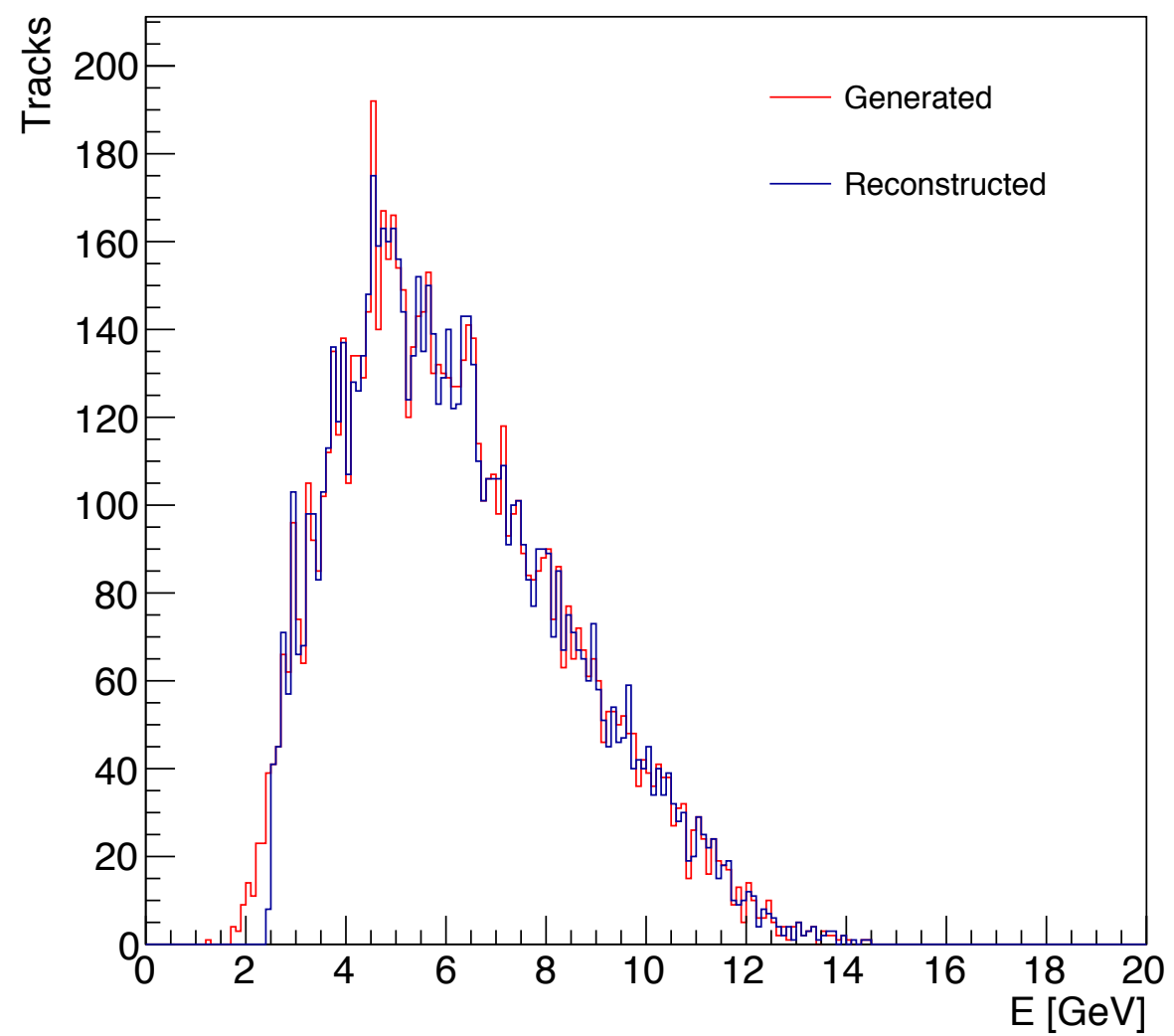
Track truth



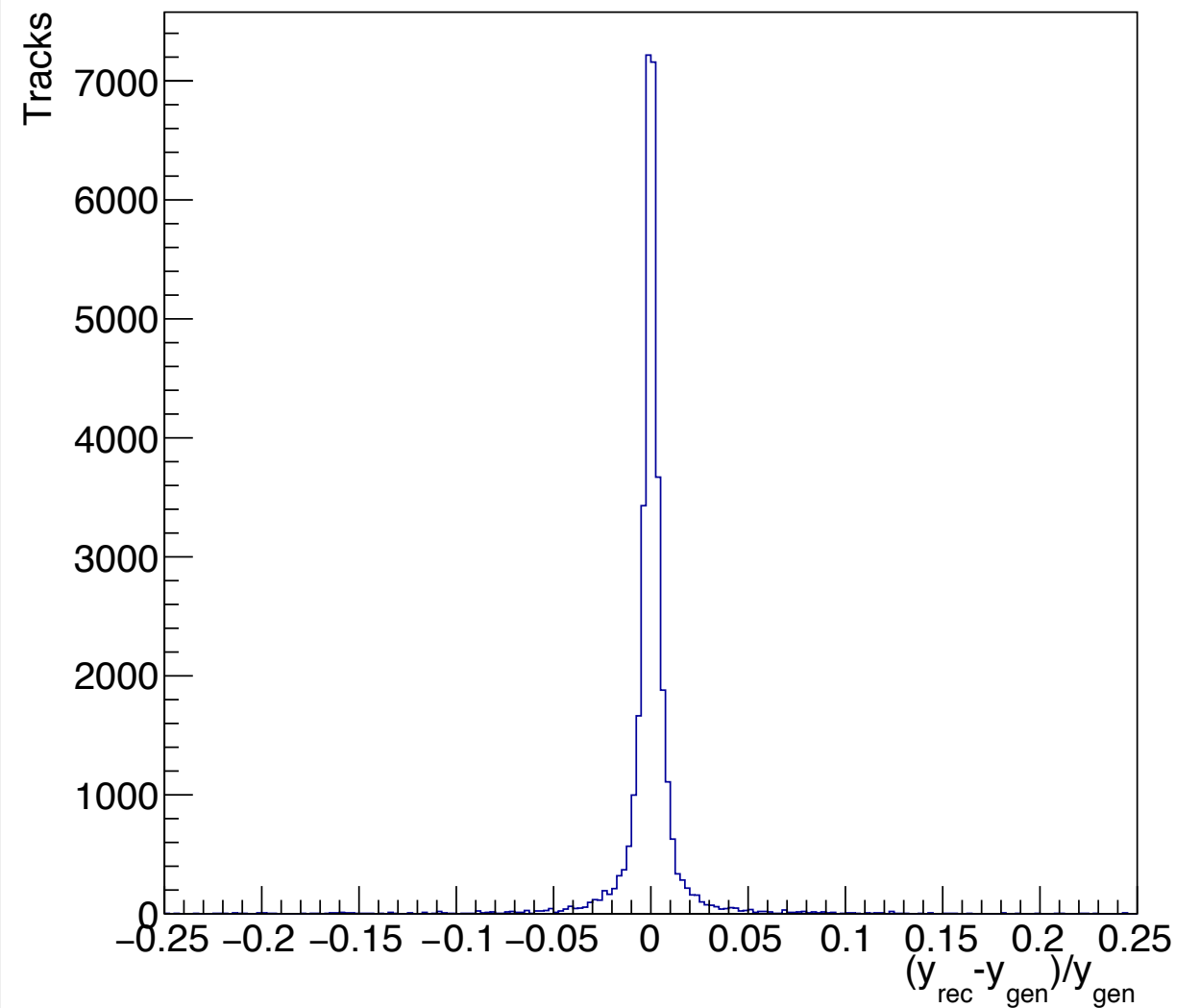
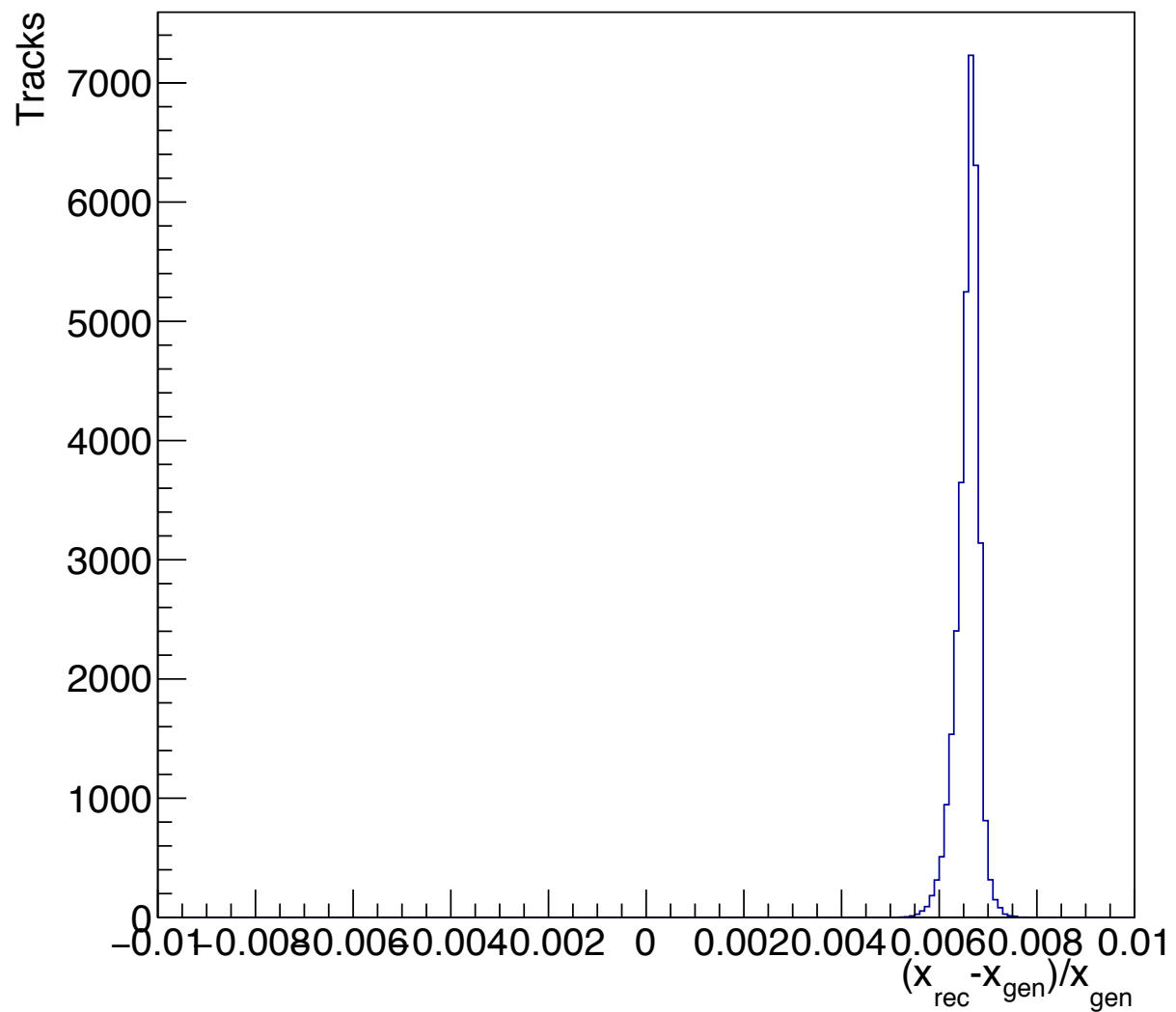
Xy



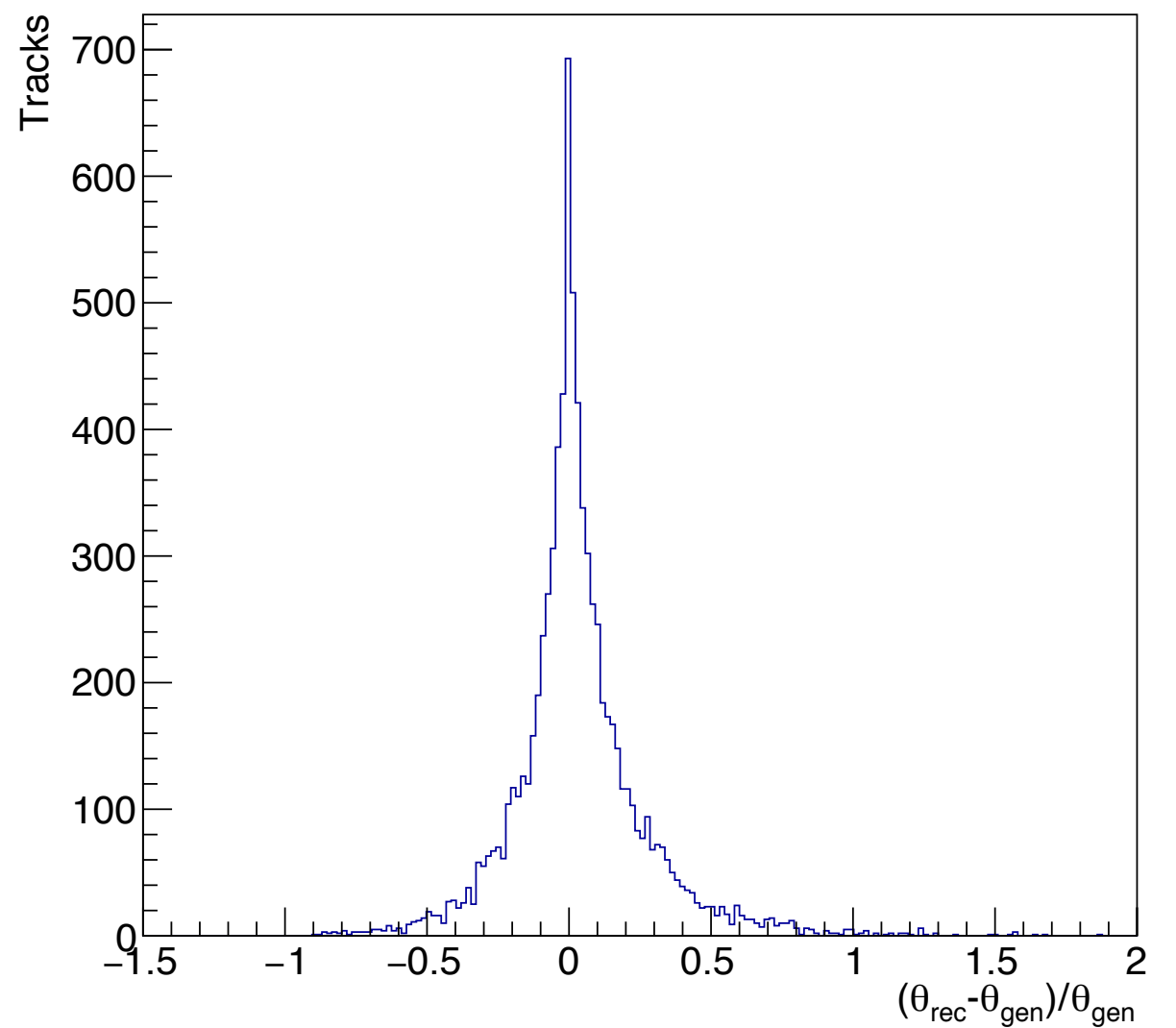
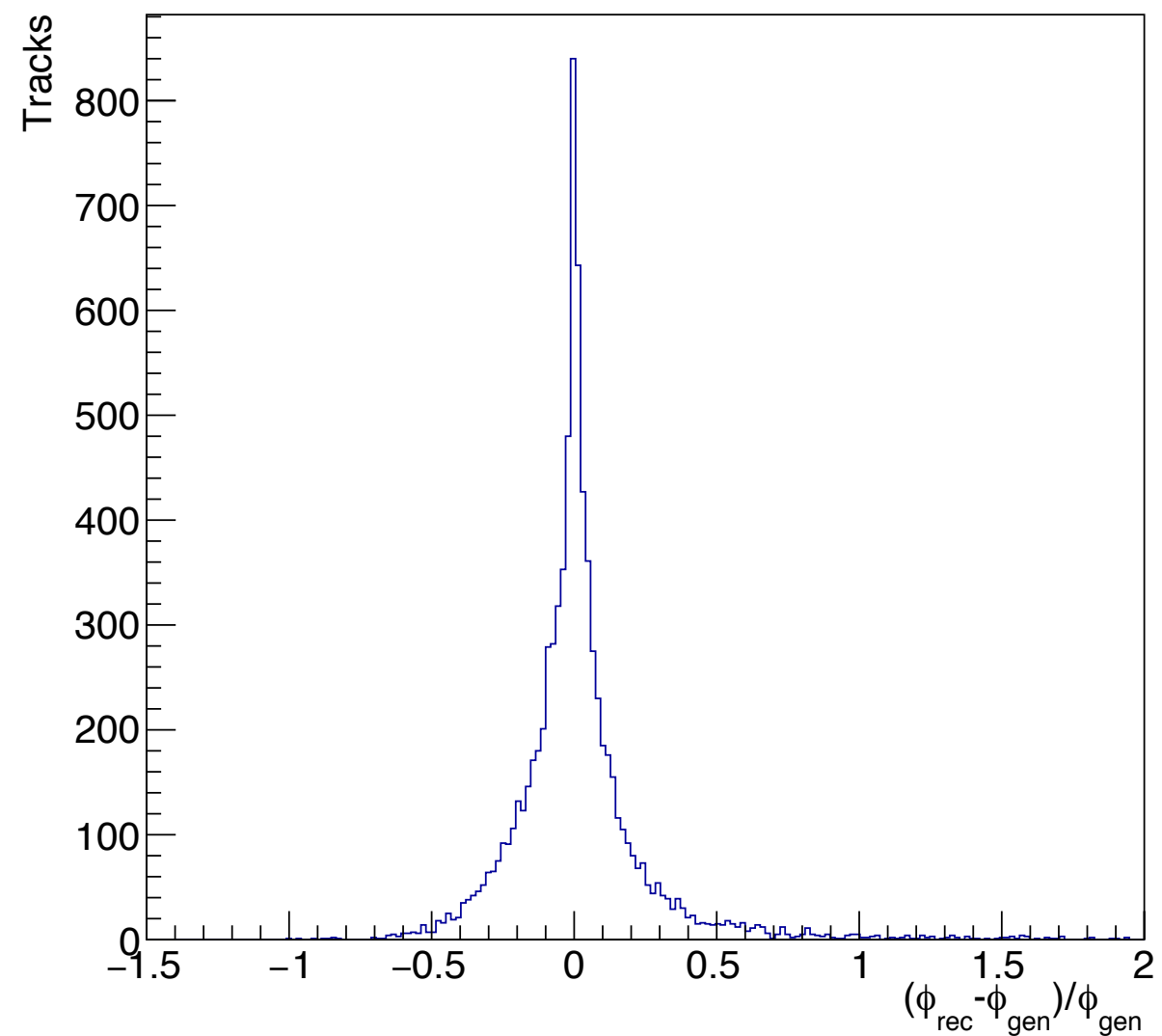
Energy



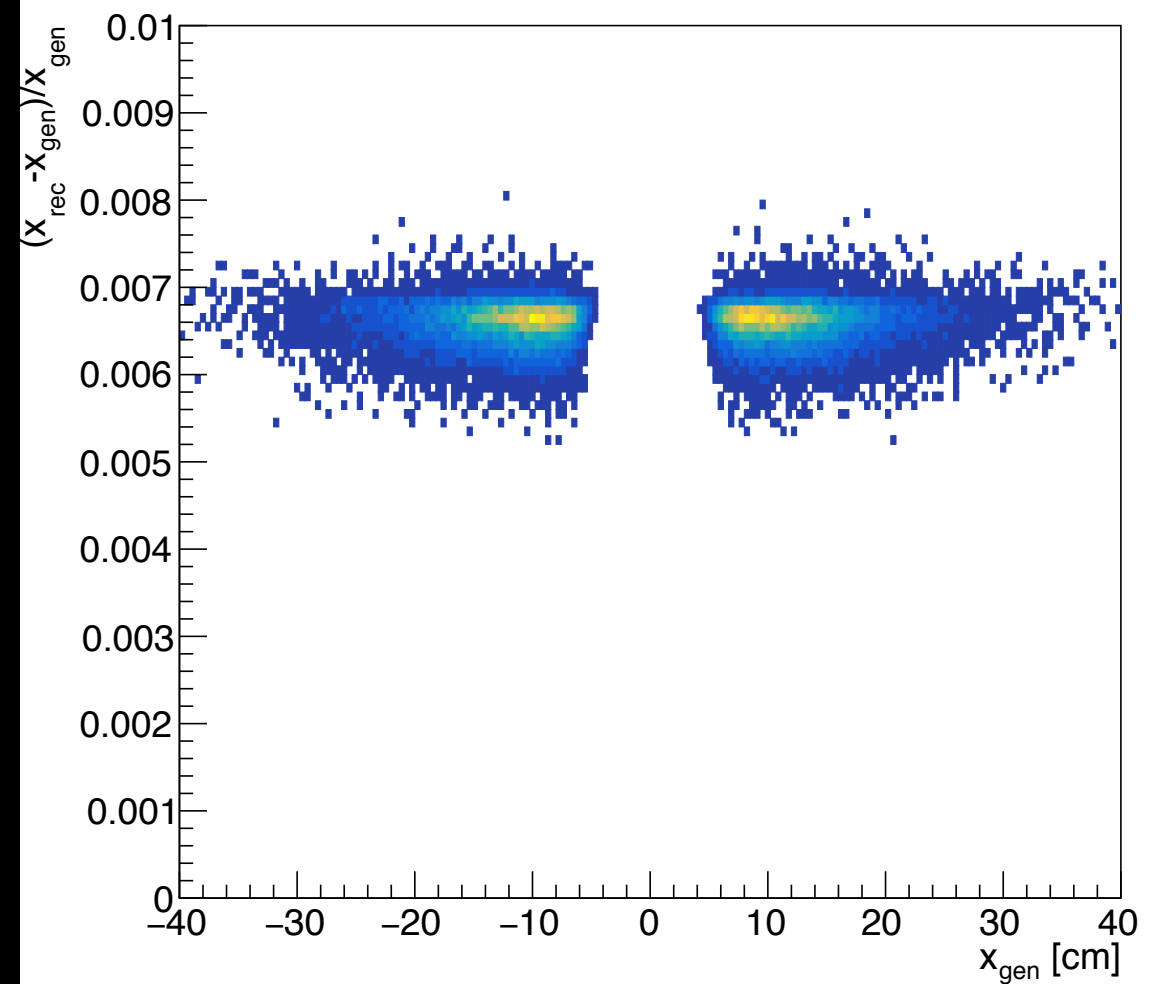
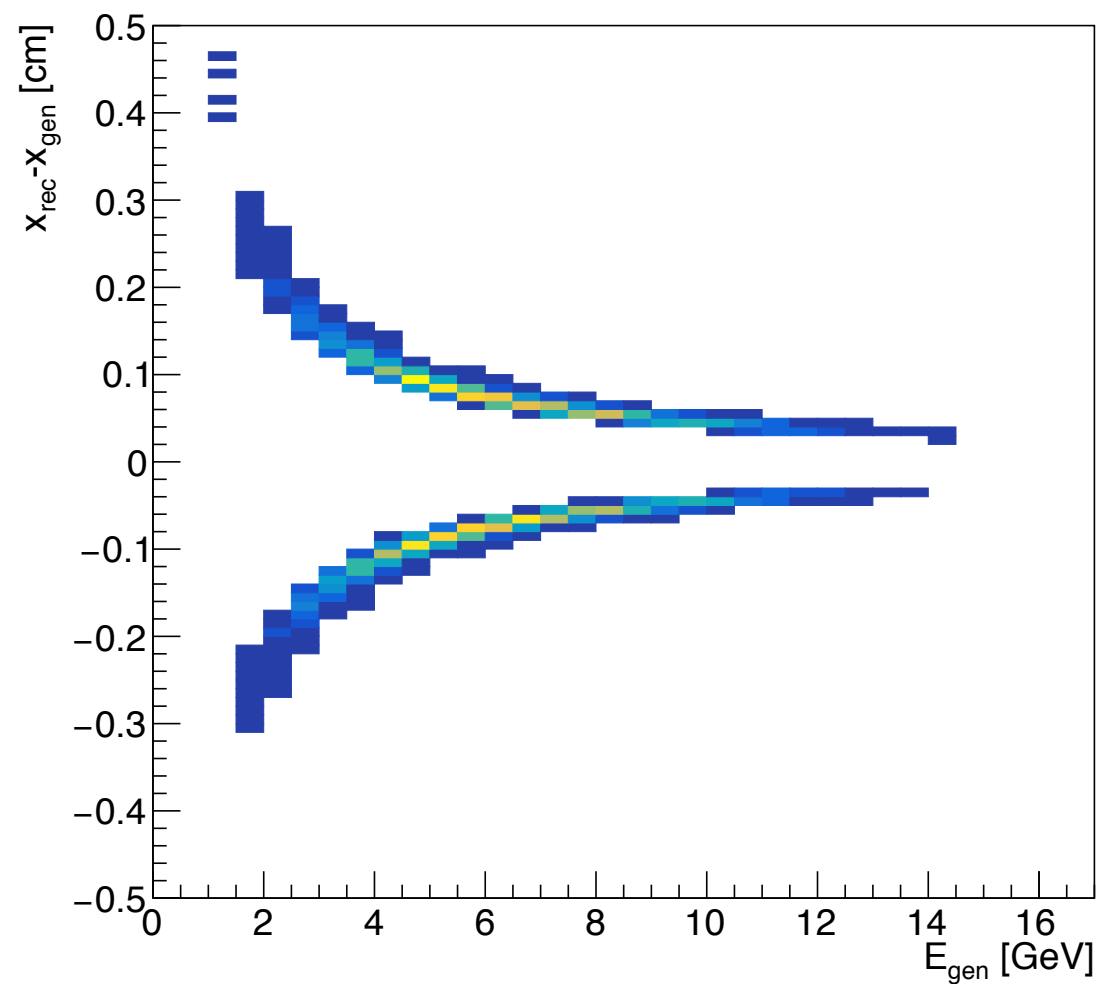
Resolution



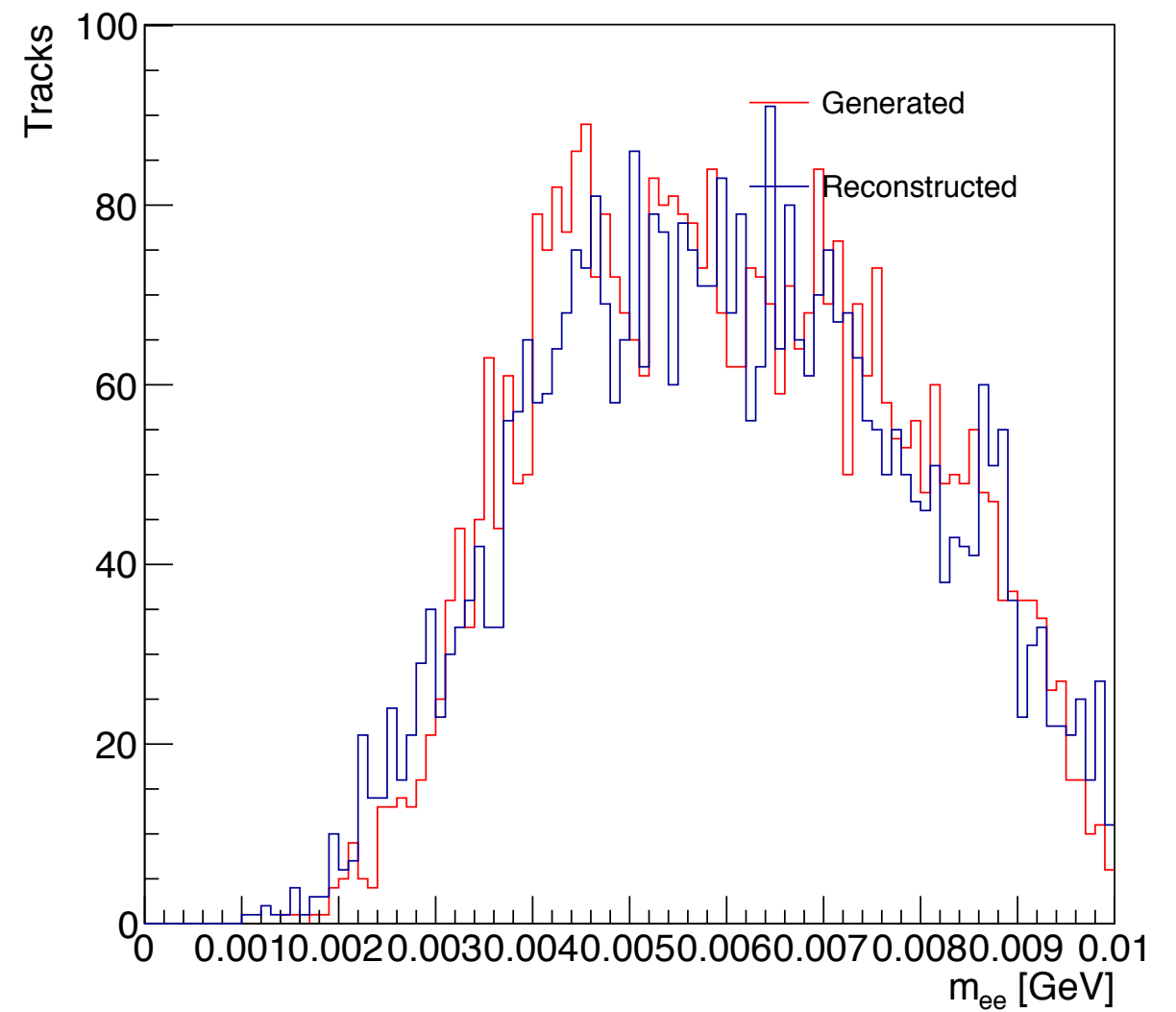
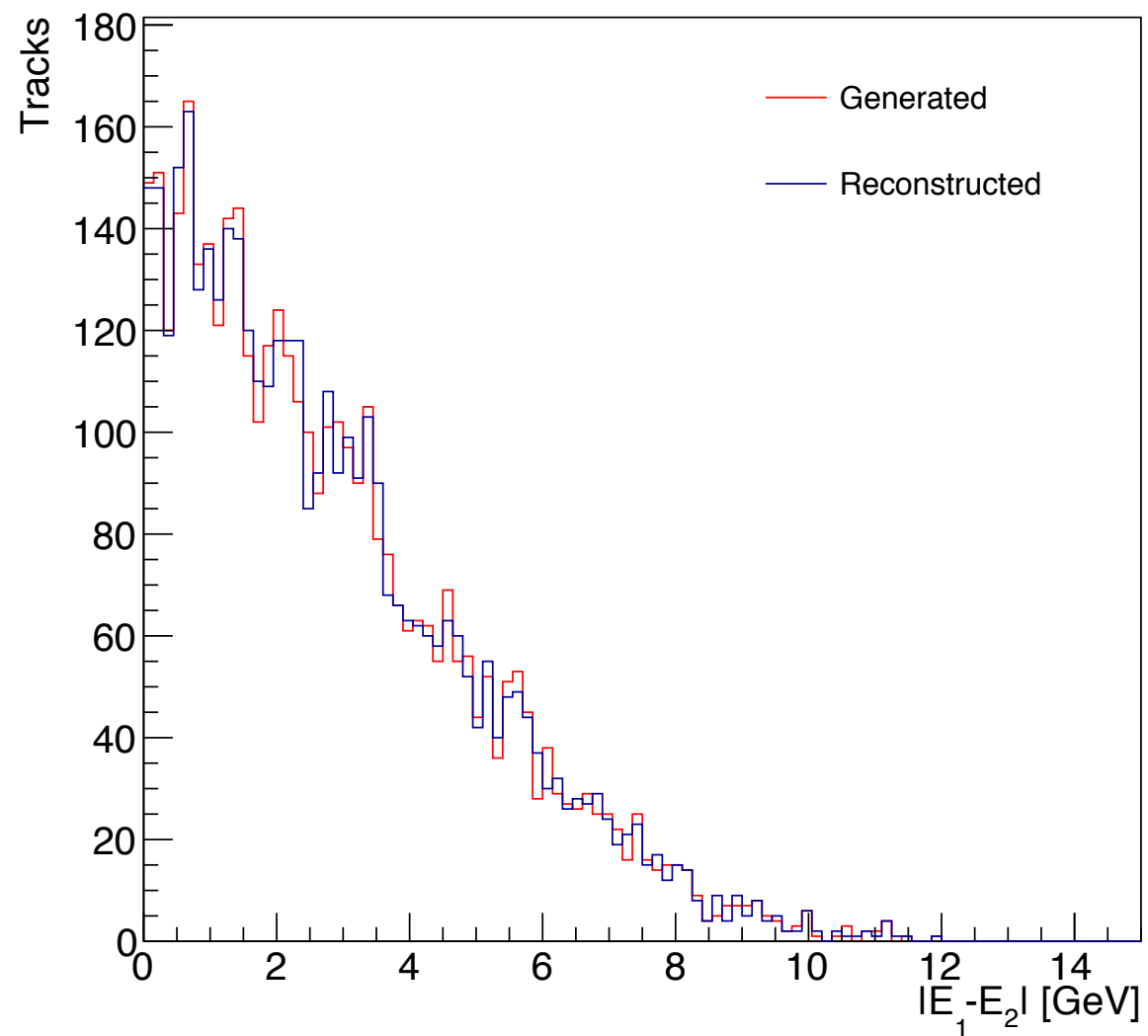
Angular Resolution



x resolution dependance



Pair properties



Pair properties 2

