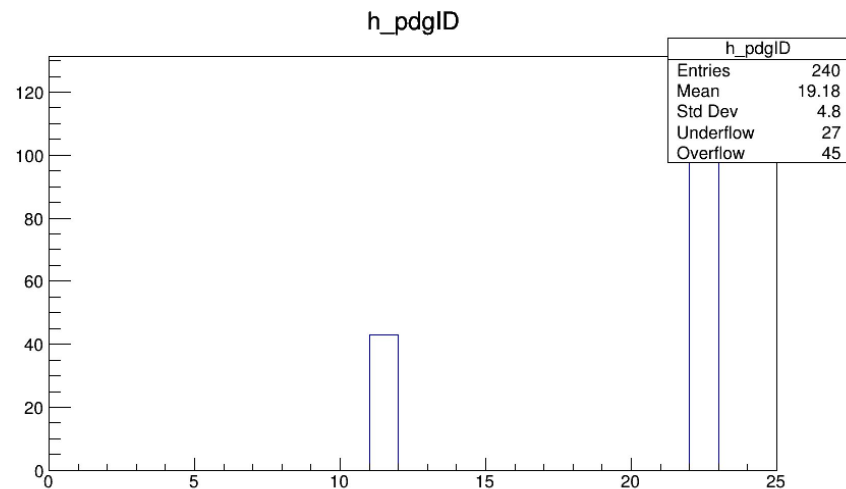
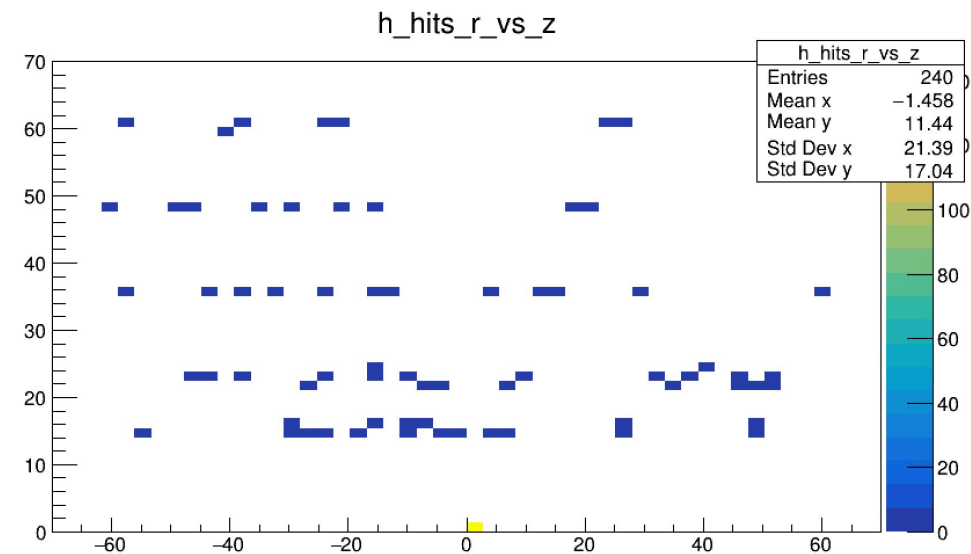


C3 Beam Background Studies

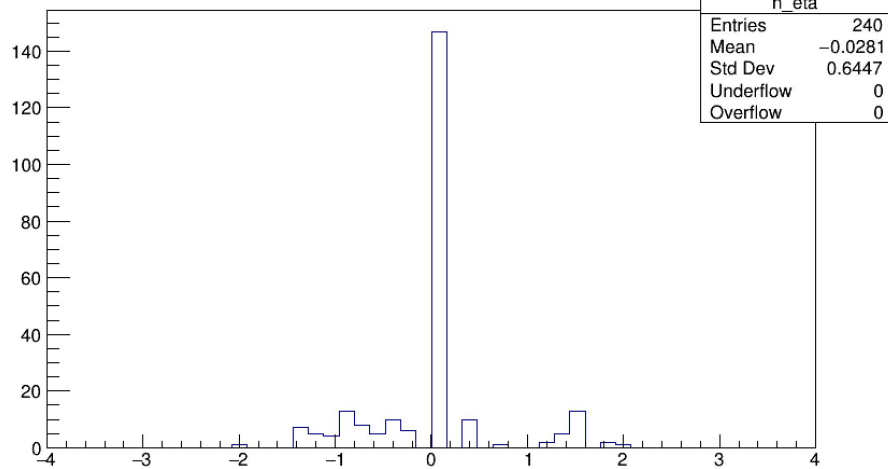
Elias Mettner - April 3, 2023

Feeding HepMC3 into Geant - Solved

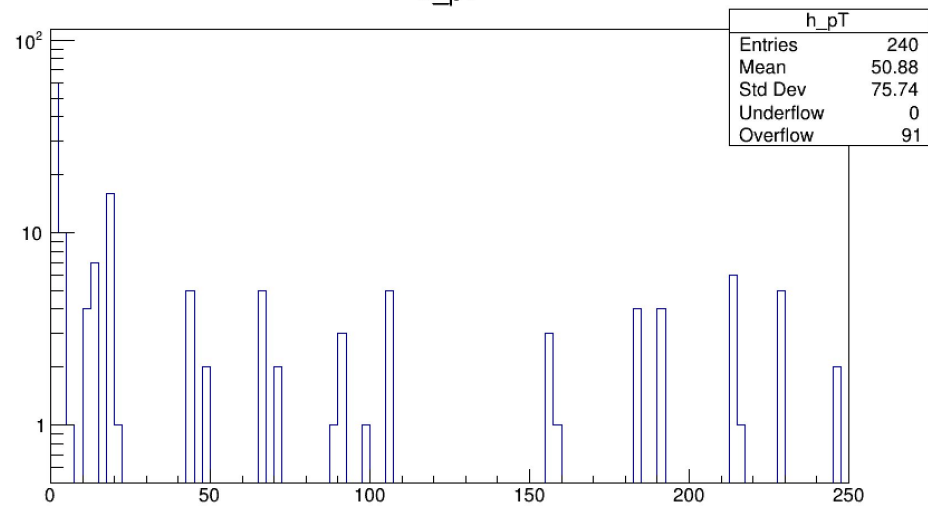


- Found/implemented correct event reader for geant: “HEPMC3EventReader”

h_eta



h_pT



Next Steps

- Geant appears to simulate only one event worth of data
 - Perhaps an issue from carrying over the code used for GPig data
 - May need to reconfigure geant to read in more events for the HepMC3 data
- Some uncertainty about cross section units
- Pythia is not covering all background processes as well