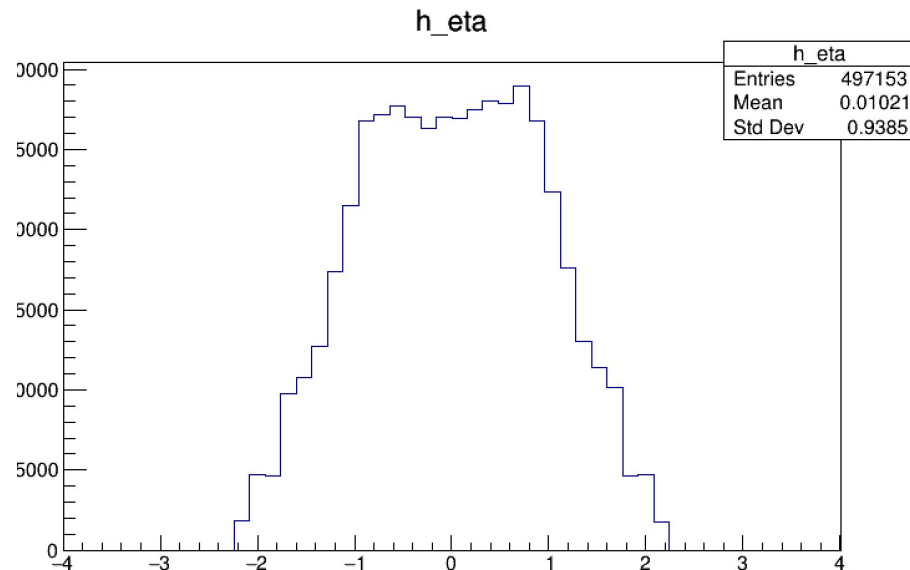
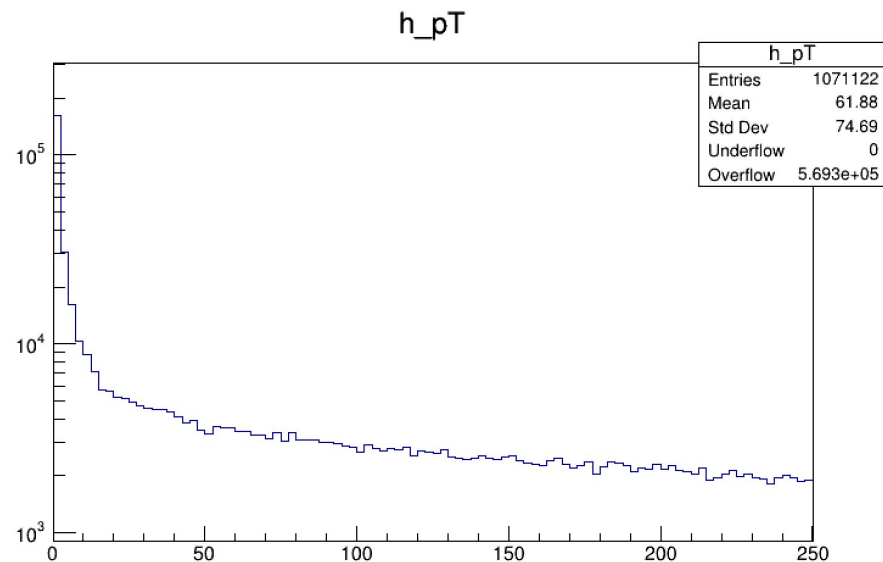


C3 Beam Background Studies

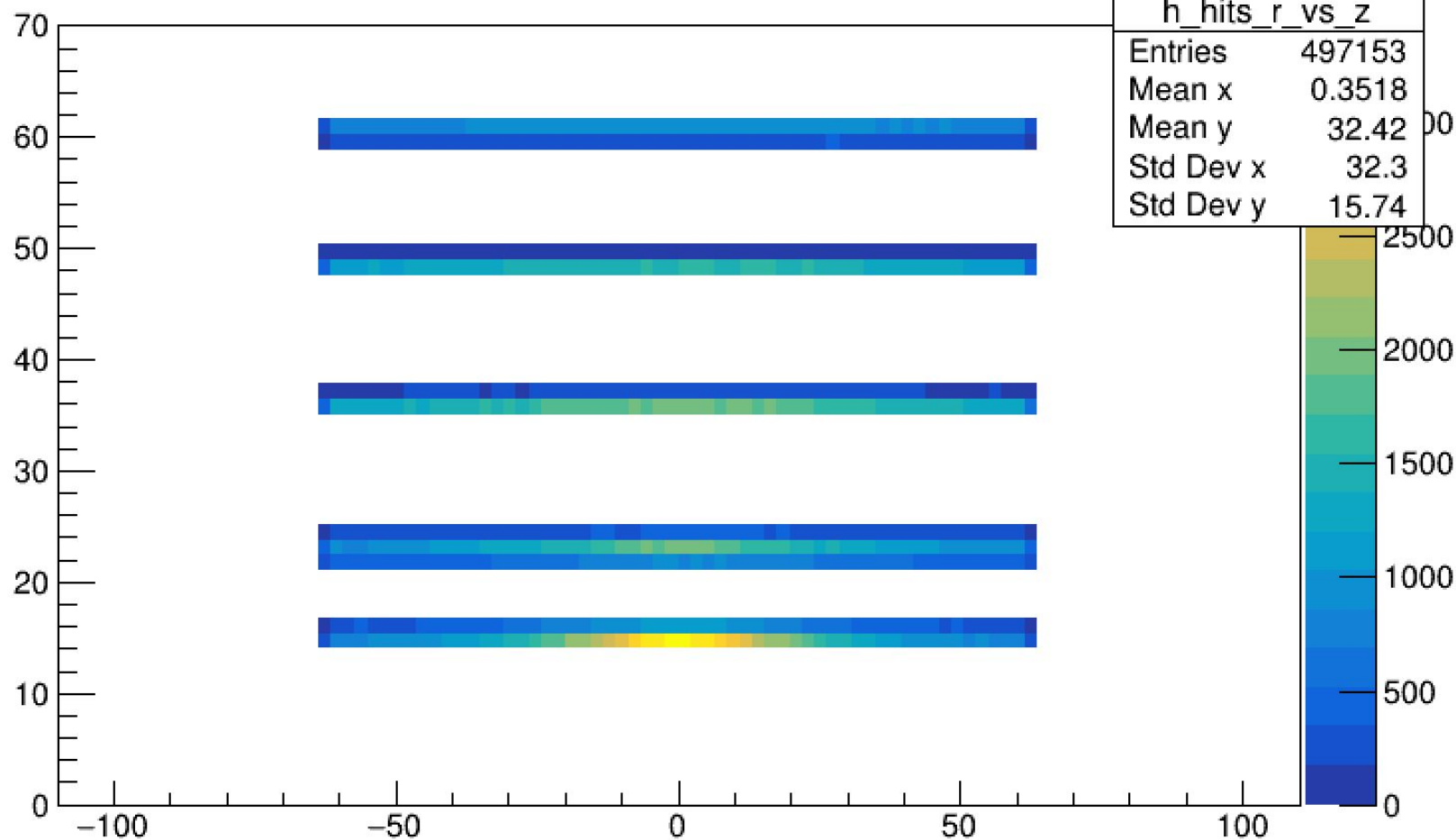
Elias Mettner - May 1, 2023

Simulating More Hadron Background

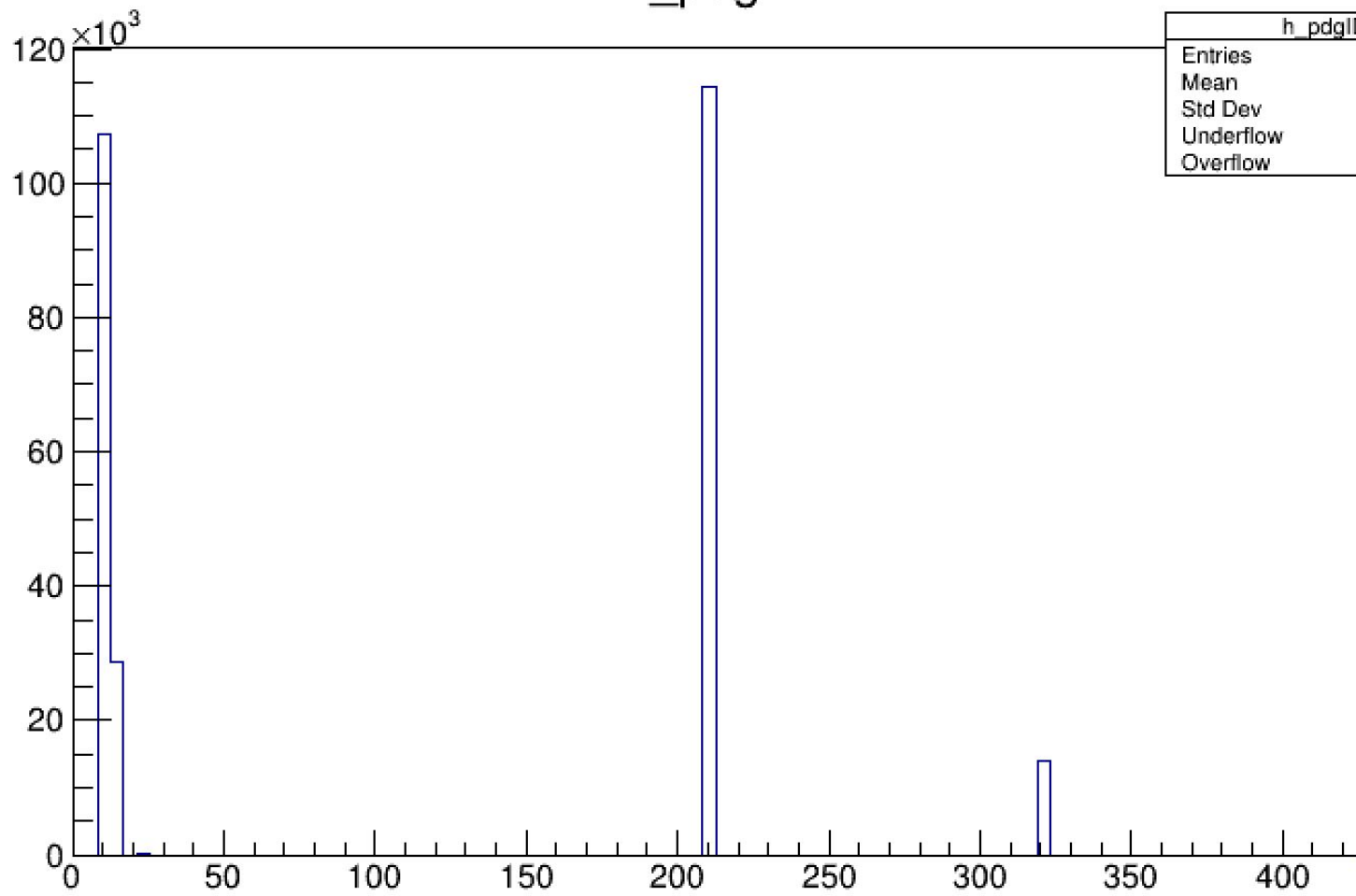
- Fixed the condor issues mentioned last week
- Produced 25000 Pythia events and fed them all through geant
- About 1 Million hits simulated
 - About 500,000 when removing hits at 0



h_hits_r_vs_z



h_pdgID



h_pdgID	
Entries	497153
Mean	114.1
Std Dev	108.4
Underflow	2.21e+05
Overflow	1.15e+04

Next Steps

- Analyze/compare simulation
- Produce more events/tweak with Pythia some more
- Prepare presentation for LCWS