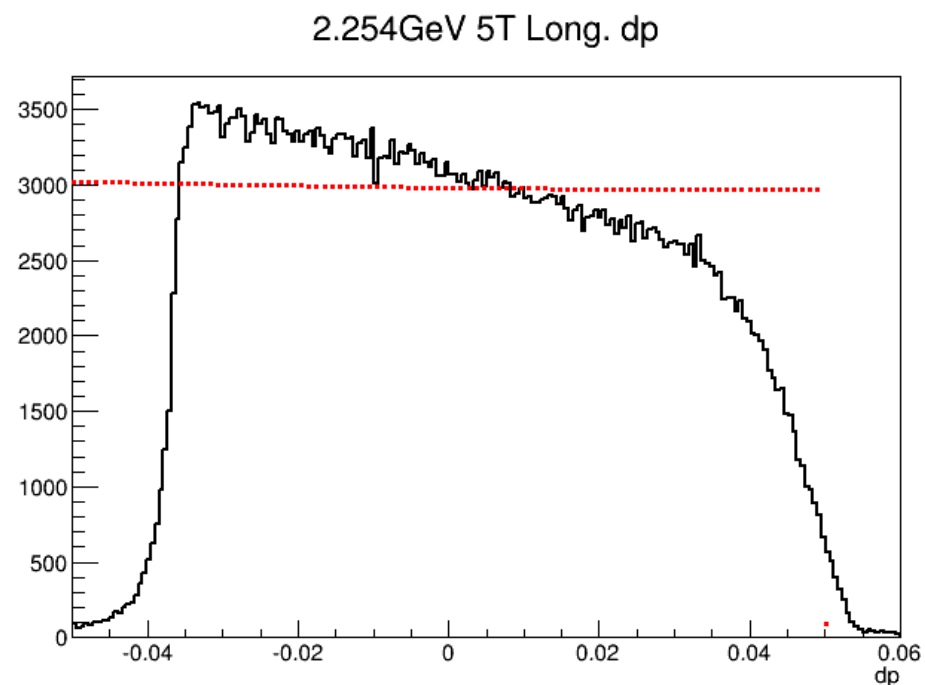
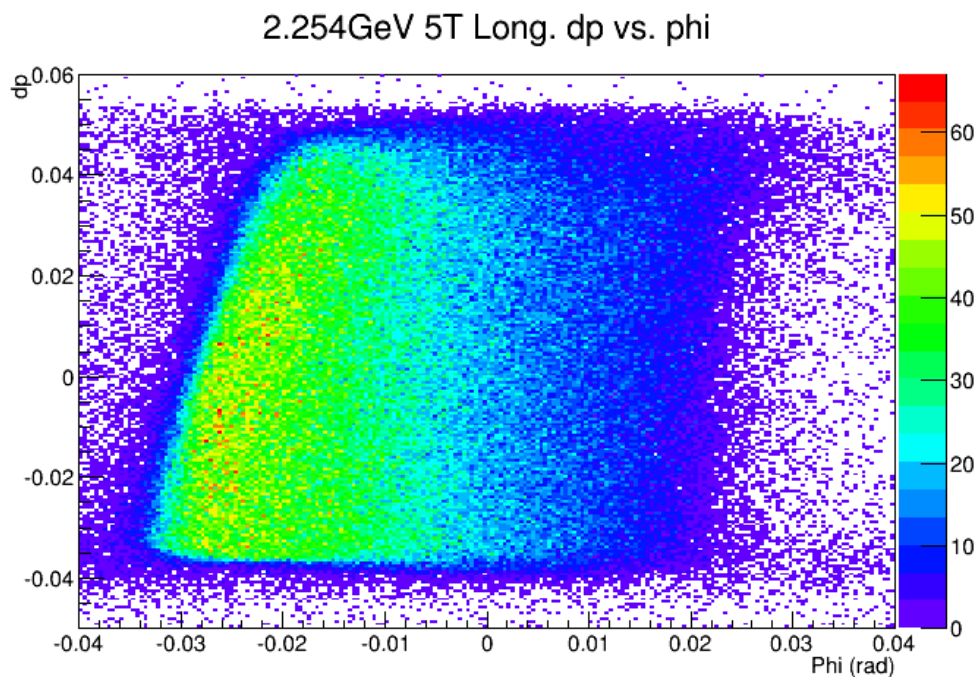


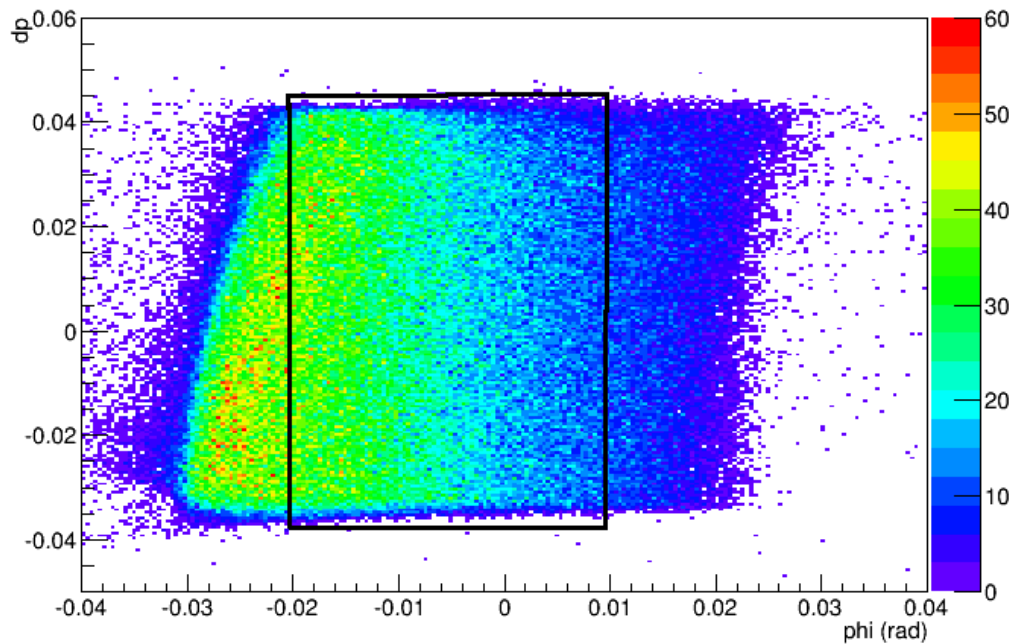
# Acceptance and Yield update with new Optics DB

- Updated optics DB from Chao
- All data from 2.254GeV 5T Long. Empty dilution run ( $p_0=0.991$  GeV)
- Red dashed line is the fully radiated Bosted simulation for Helium at the same kinematics.

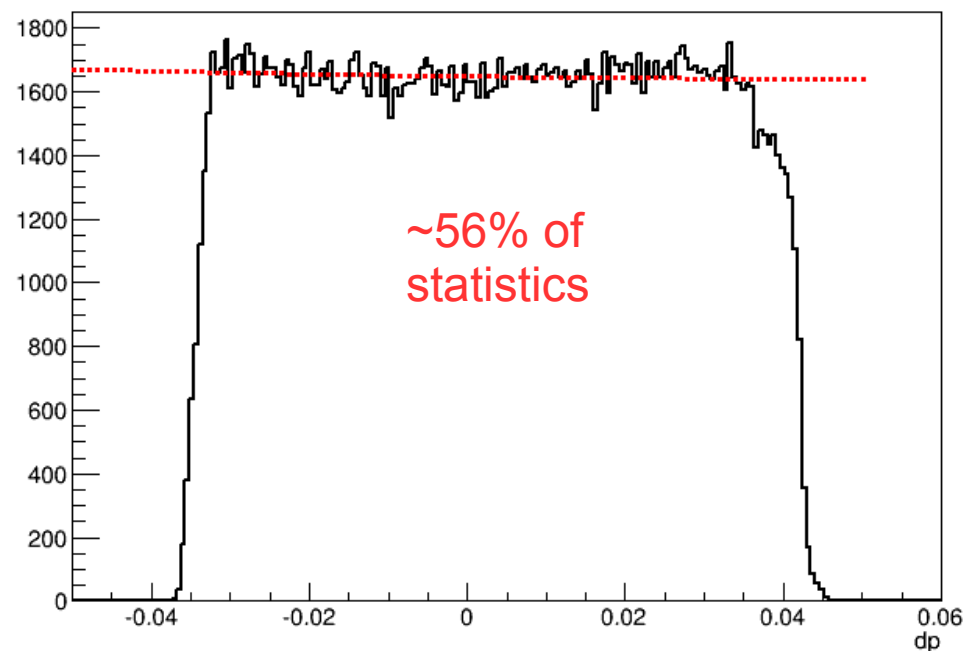


NO cuts applied (no acceptance cut, no PID cuts)

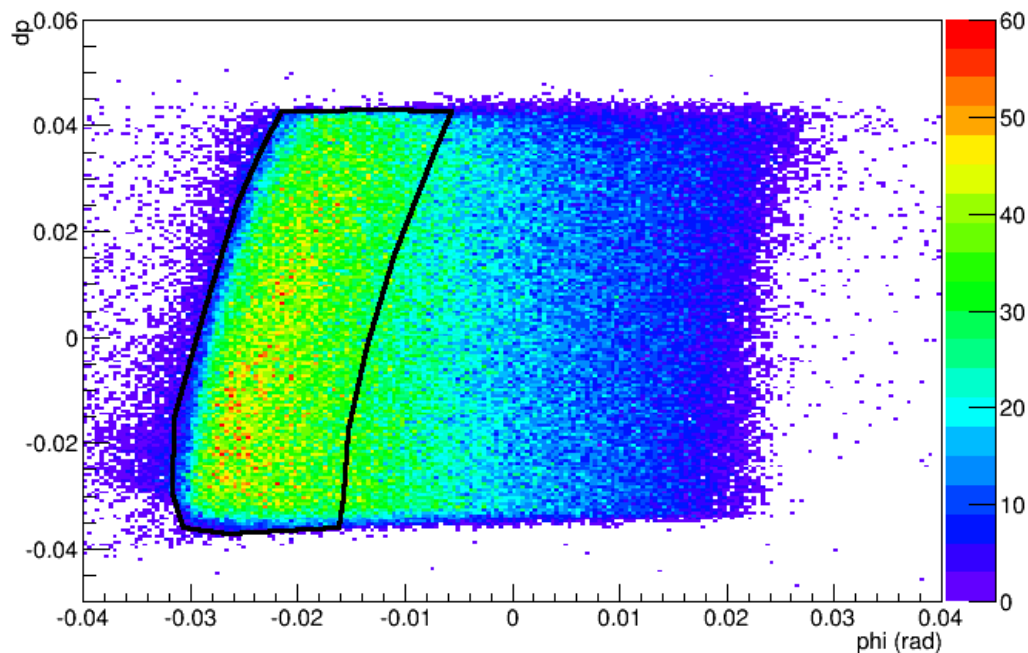
2.254GeV 5T Long. dp vs. phi



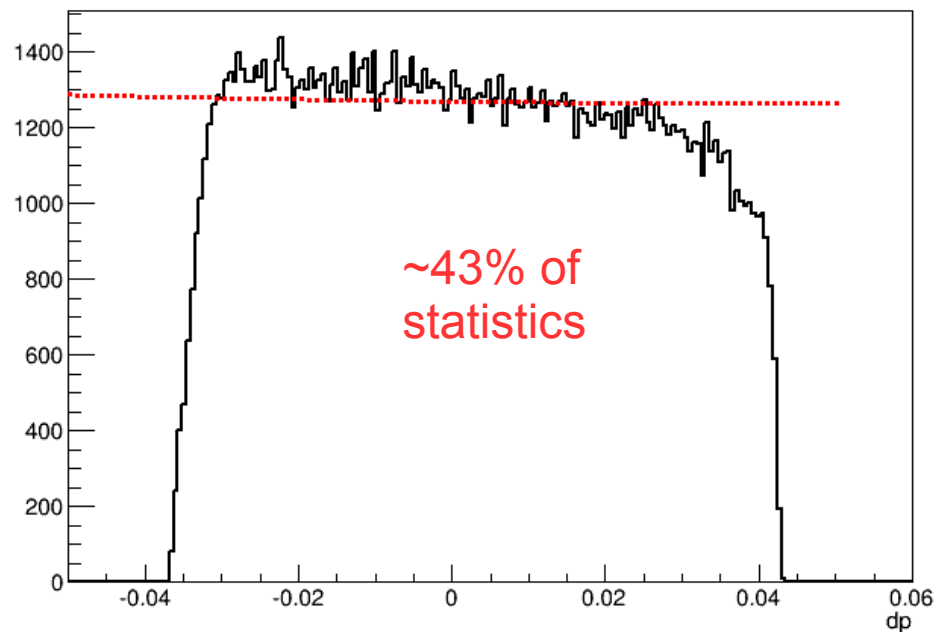
2.254GeV 5T Long. dp



2.254GeV 5T Long. dp vs. phi



2.254GeV 5T Long. dp (tight phi cut)



ALL cuts applied (acceptance cut shown, and PID cuts)

# Conclusions

- Box cut on the center of the acceptance looks good!
- Still can't get small angle ( $\phi$ ) data without an acceptance correction.
- Going to look at full longitudinal setting next.
- All settings are currently replaying with the corrected optics DB, should be done in a few days.
- Suggestions from meeting.