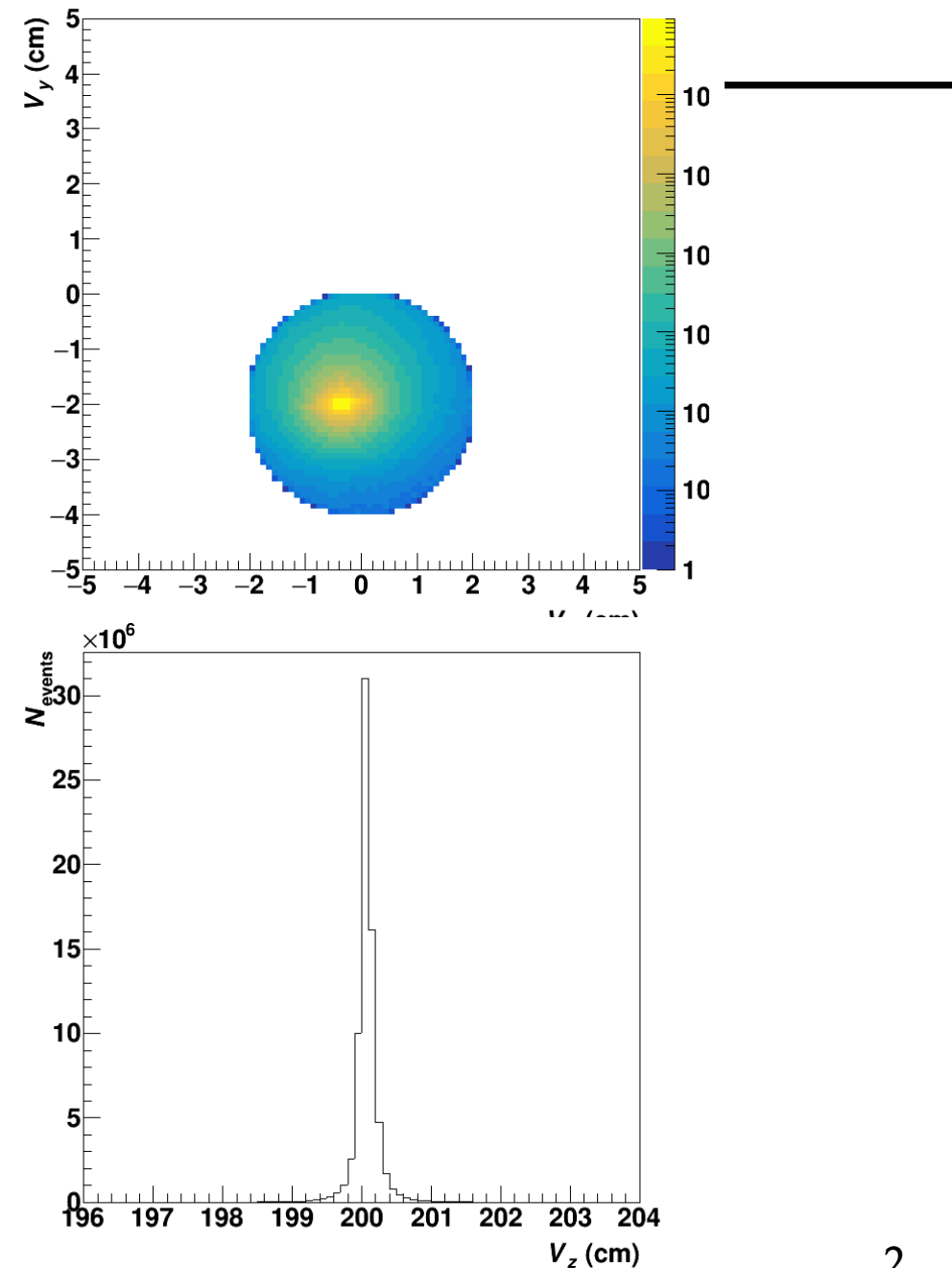

QA of 5p75GeV_fixedTarget_2020

Senjie Zhu

29th April, 2022

Dataset

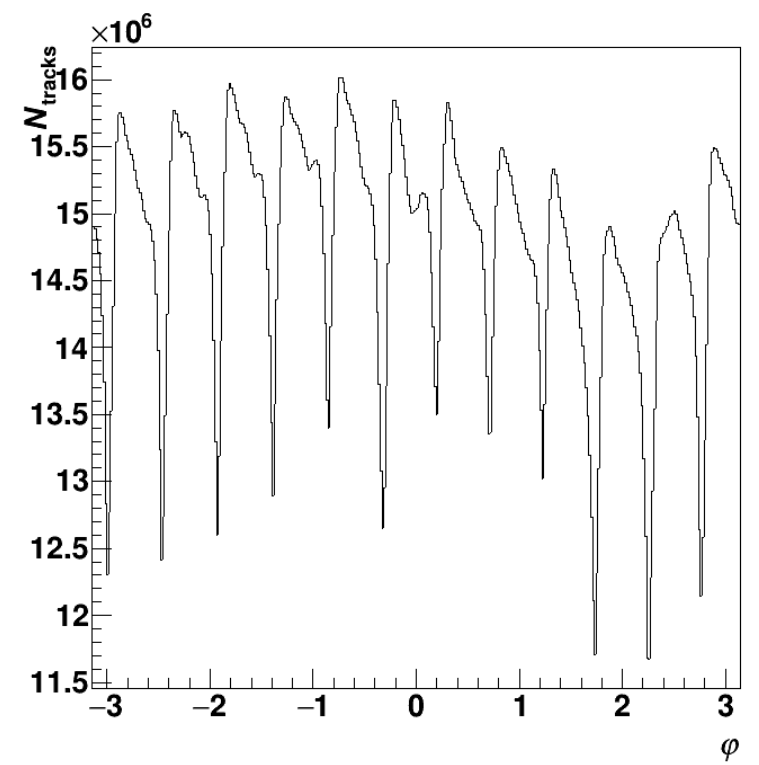
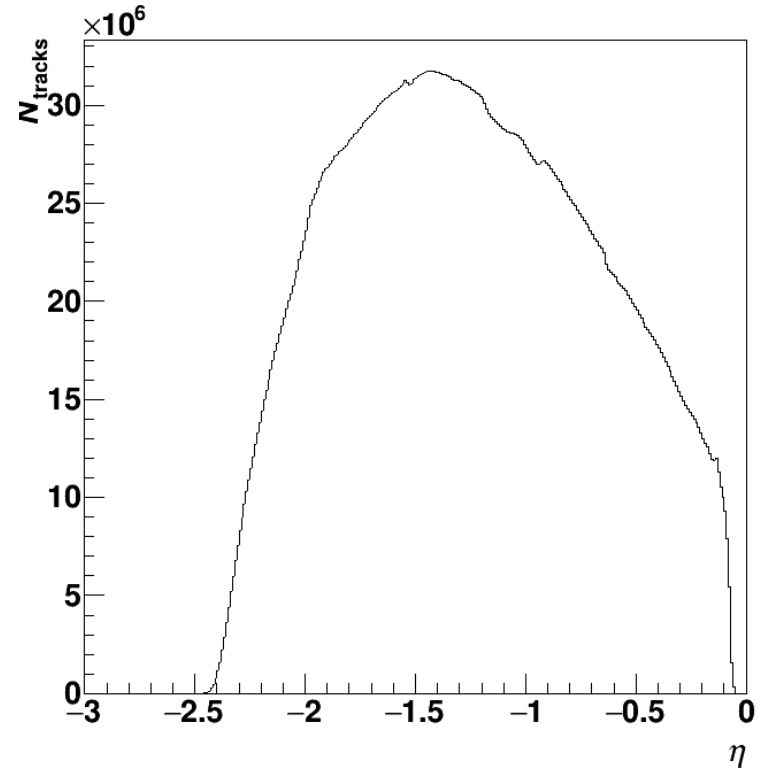
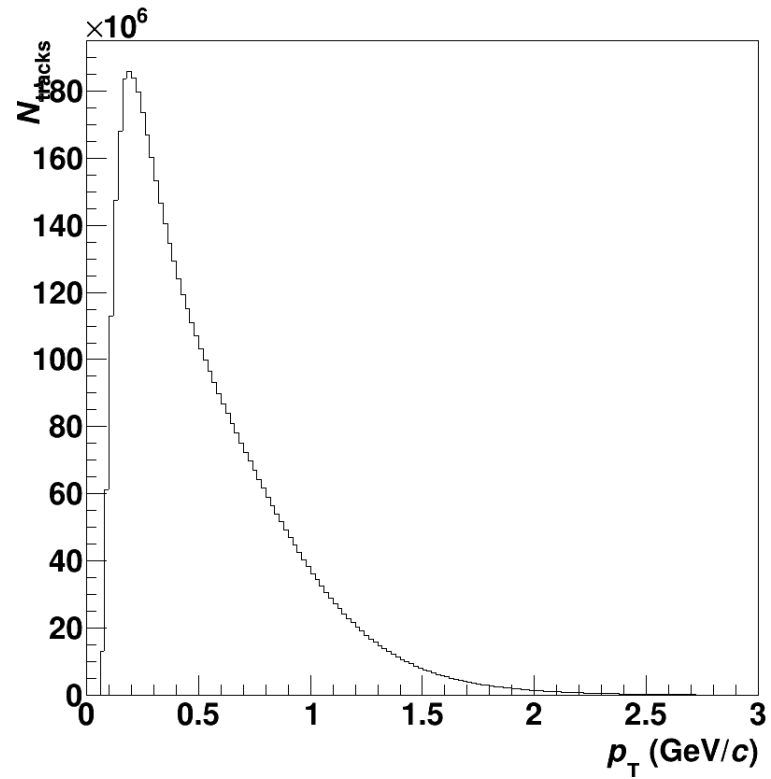
- Au+Au@3.25 GeV (5.75 GeV FXT)
 - Trigger setup: production_5p75GeV_fixedTarget_2020
 - Stream: st_physics
 - Production: P21id
 - Library: SL21d
-
- RunID: 20355020 – 21045011 (31 runs)
 - Events: 7.1186×10^7



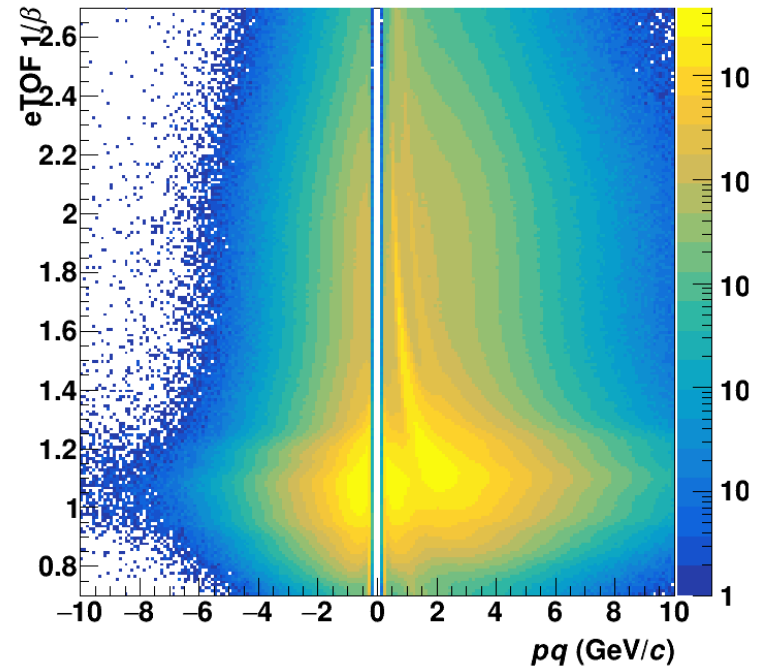
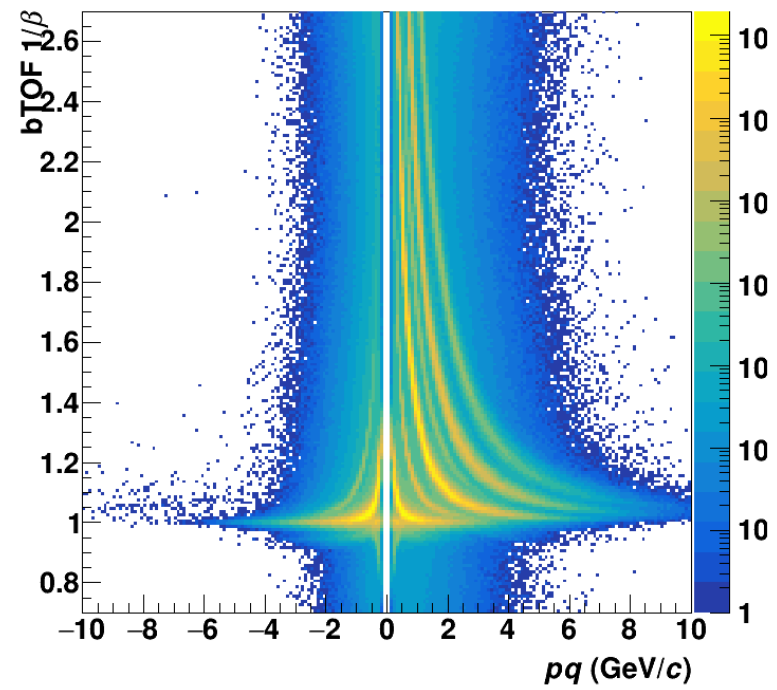
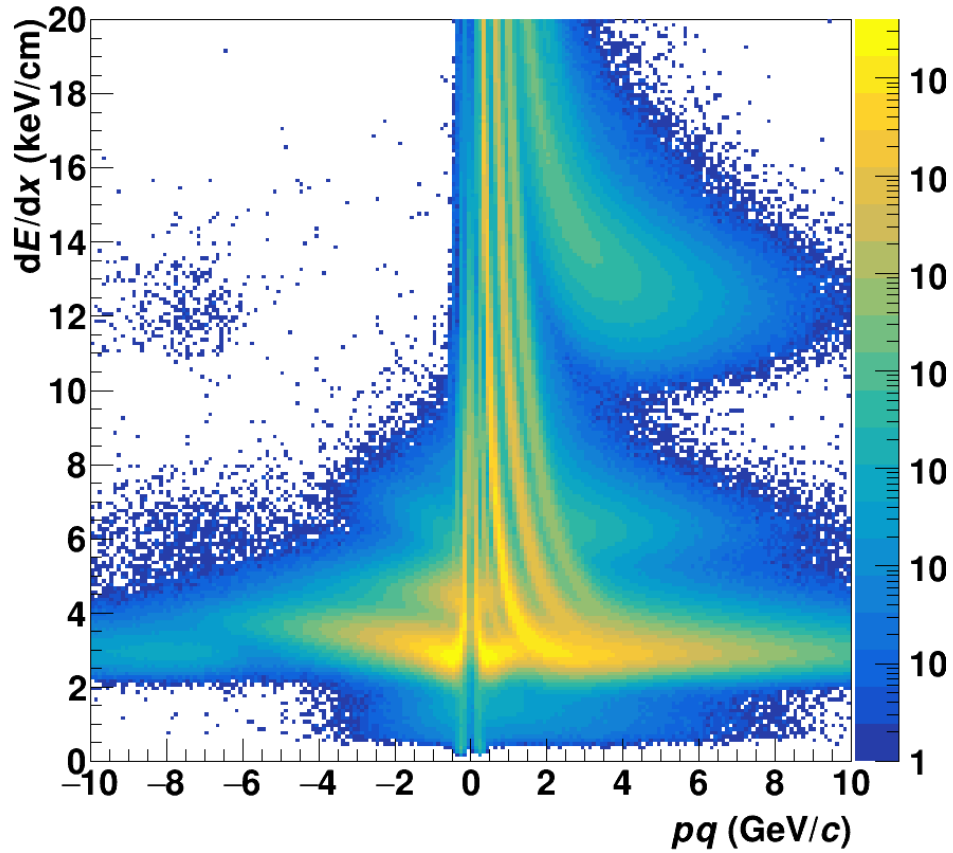
QA Trigger and Cuts

- Trigger ID
 - 720000(epde-or-bbce-or-vpde-tof1)
- Event cuts:
 - $198 \text{ cm} < V_z < 202 \text{ cm}$
 - $|V_r| < 2 \text{ cm}$, with center (0,-2) cm
- Track cuts
 - Primary
 - $|gDca| < 3 \text{ cm}$
 - $n\text{HitsFit} > 10$
 - $n\text{HitsFit}/n\text{HitsPoss} > 0.52$
 - $n\text{HitsDedx} > 5$
- Remove empty bins and 2-StdDev outliers
- Bad Run[6]={20355020, 20355021, 21044023, 21044024, 21044027, 21045011}

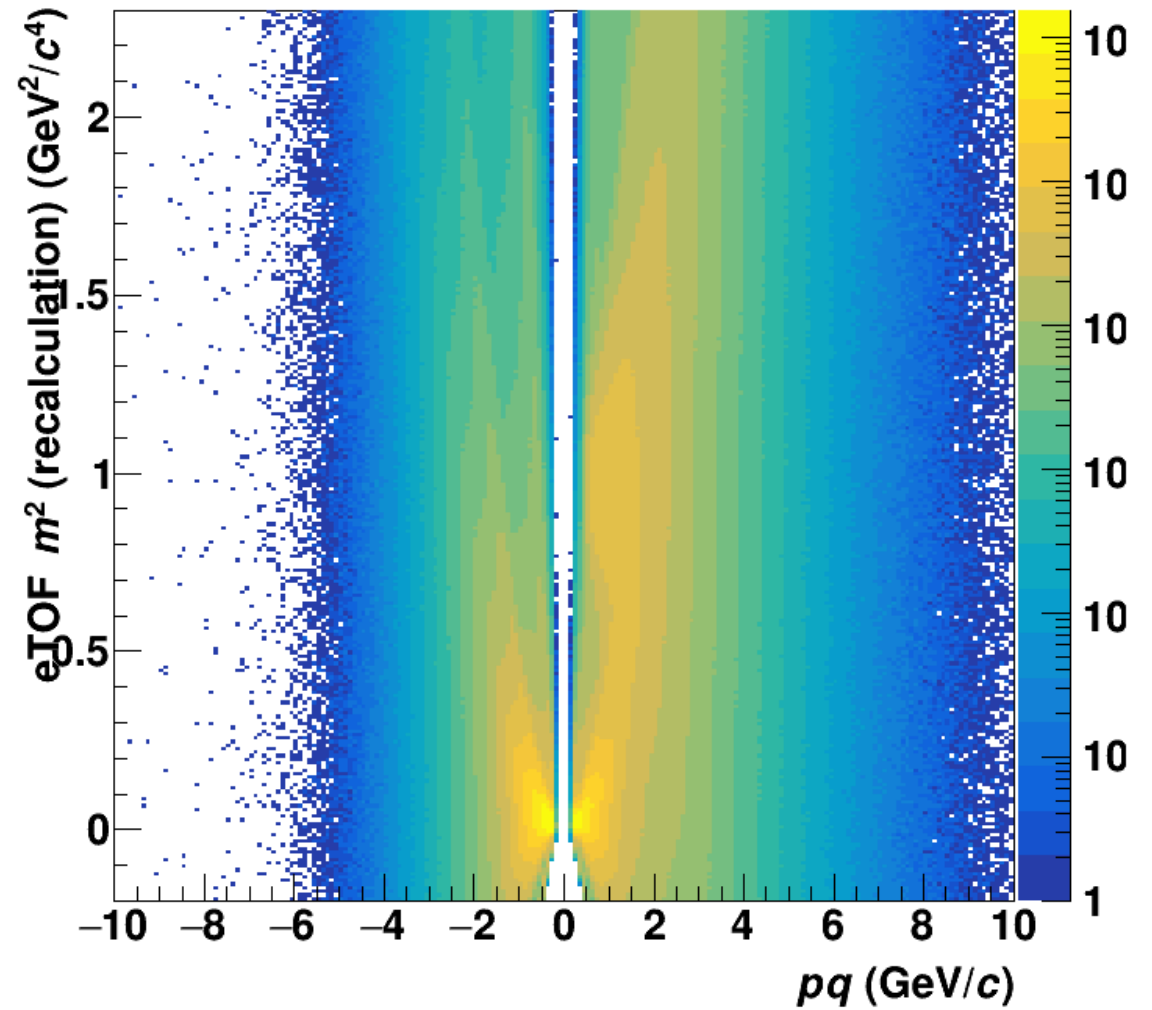
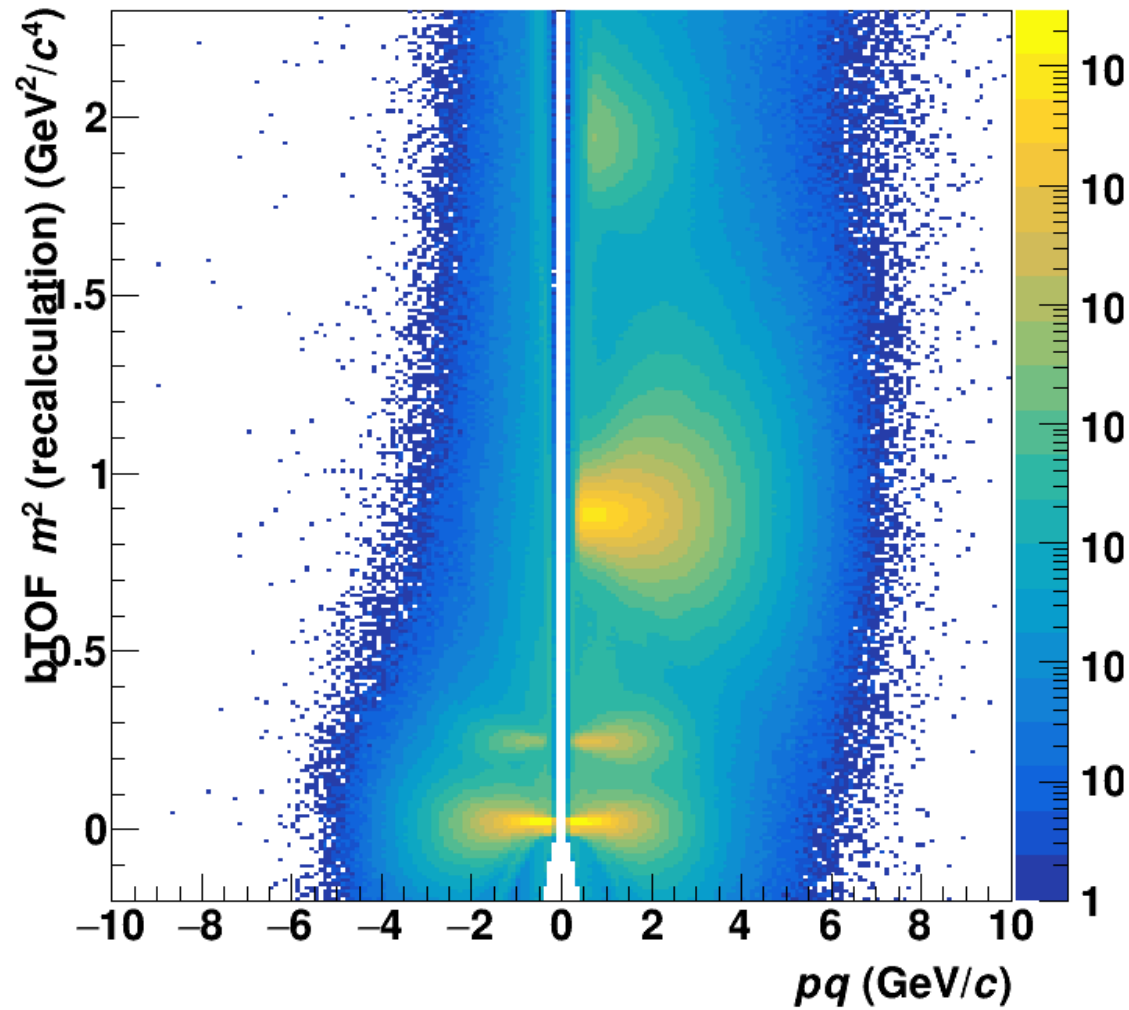
Track Level



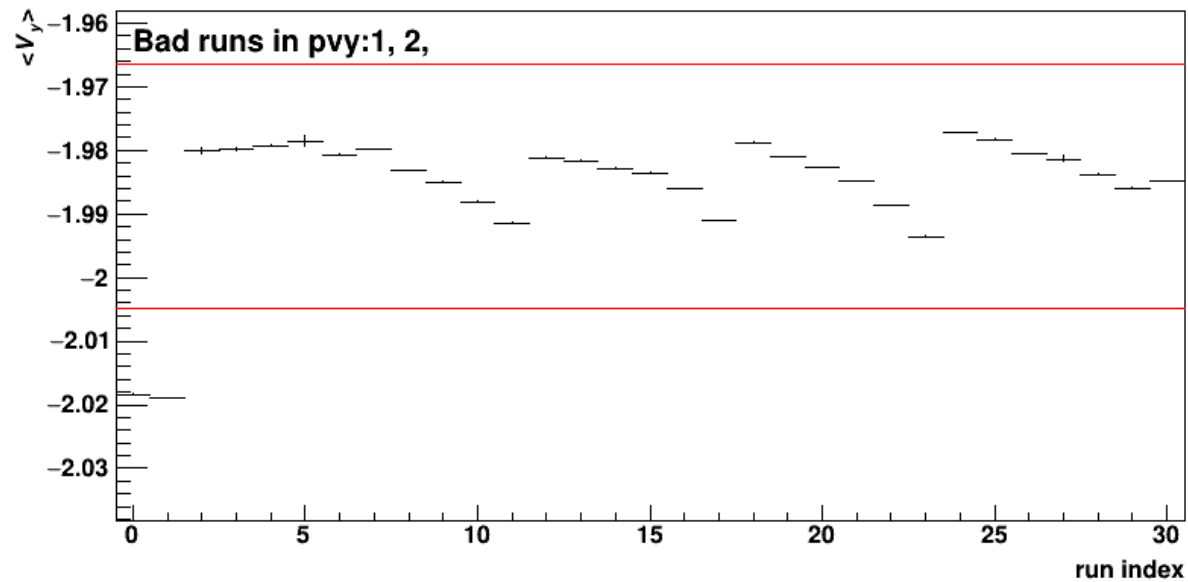
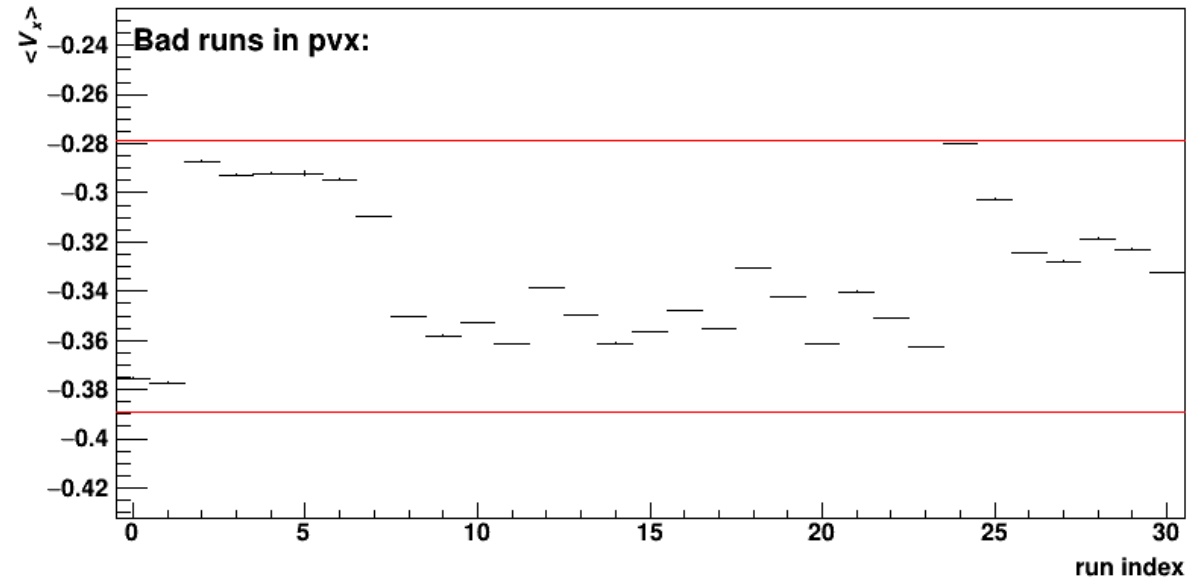
Track Level



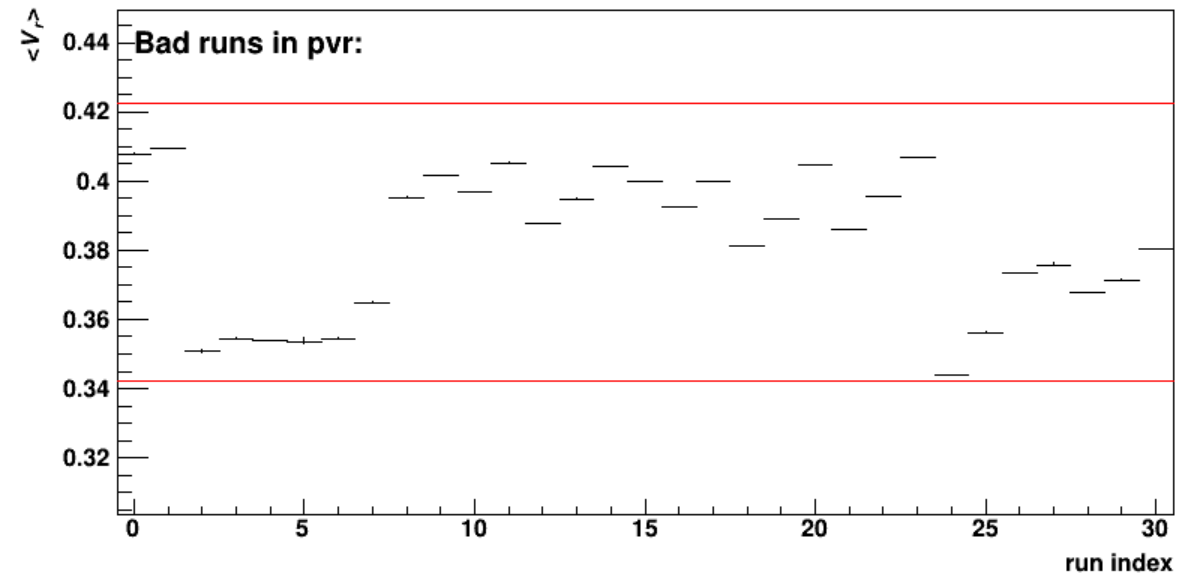
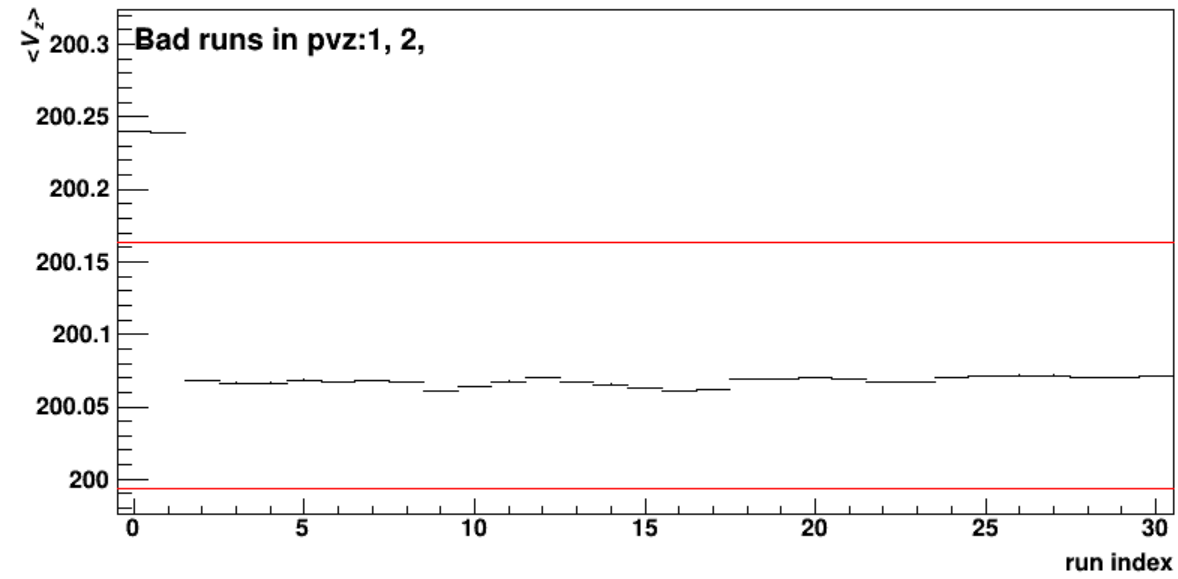
Track Level



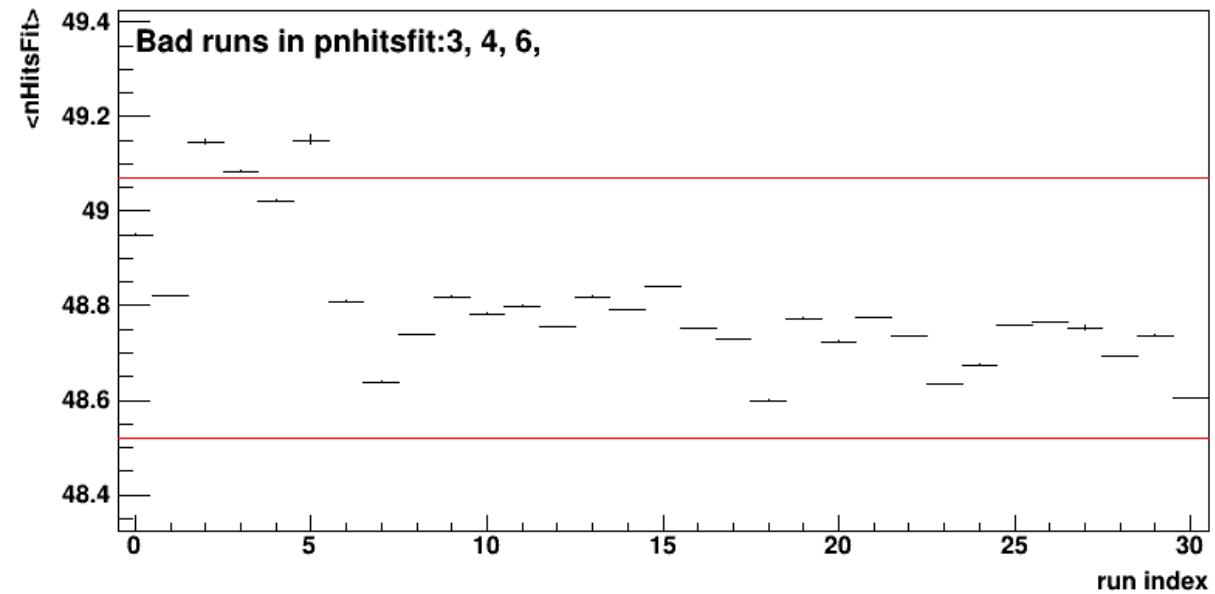
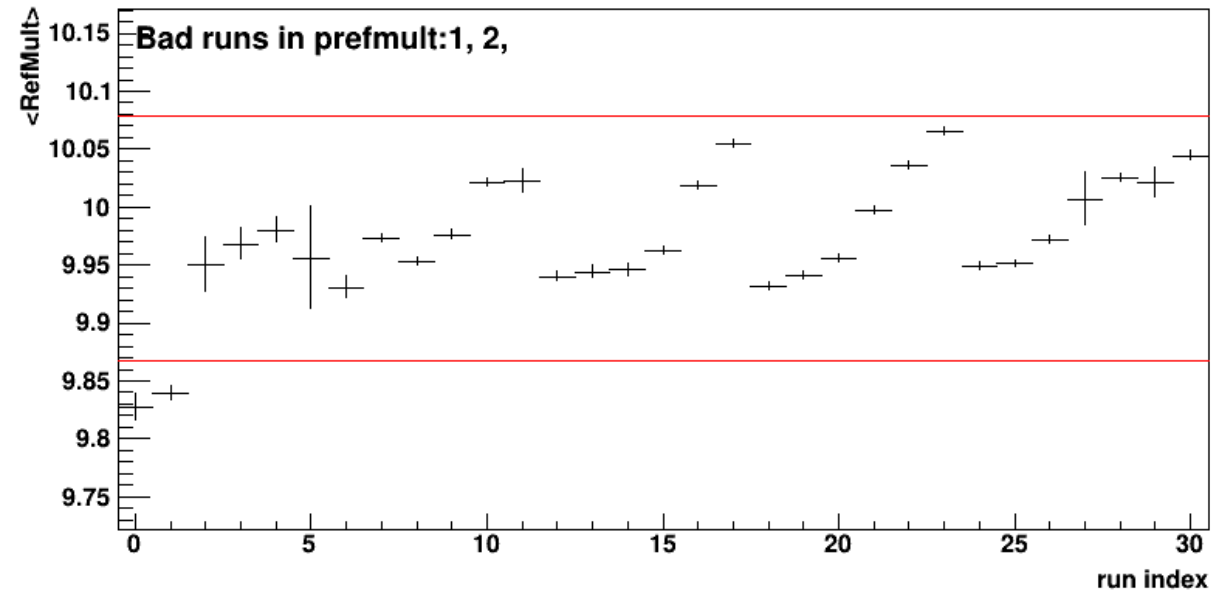
Event Level



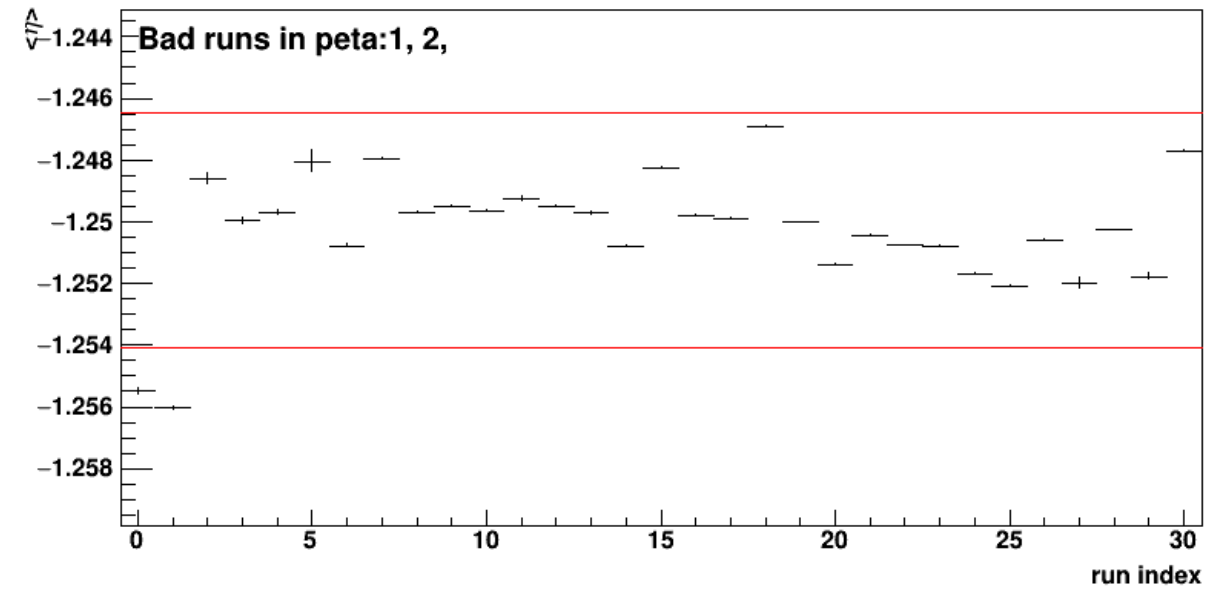
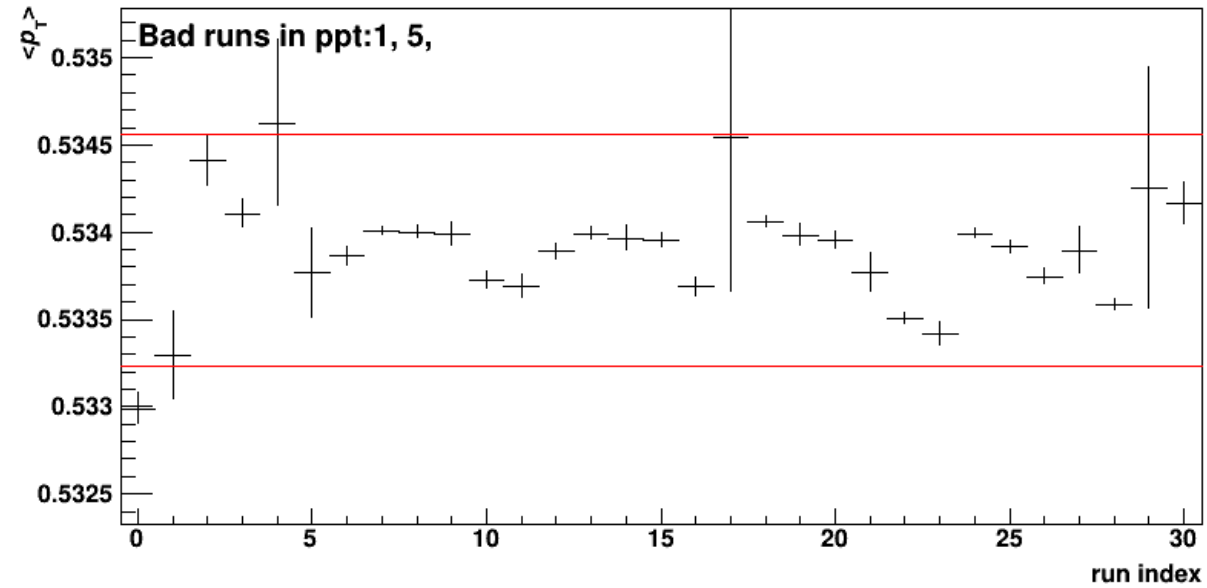
Event Level



Track Level



Track Level



Track Level

