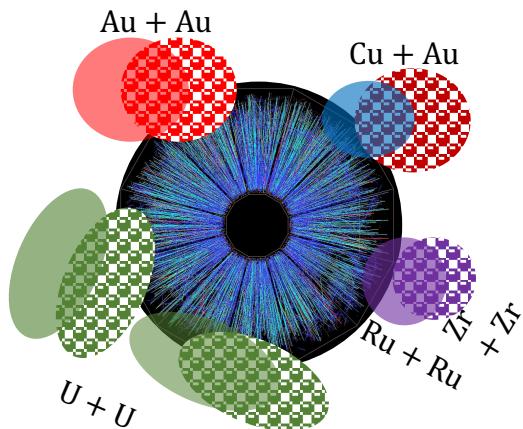


Further investigation of bad events in Au+Au 200 GeV

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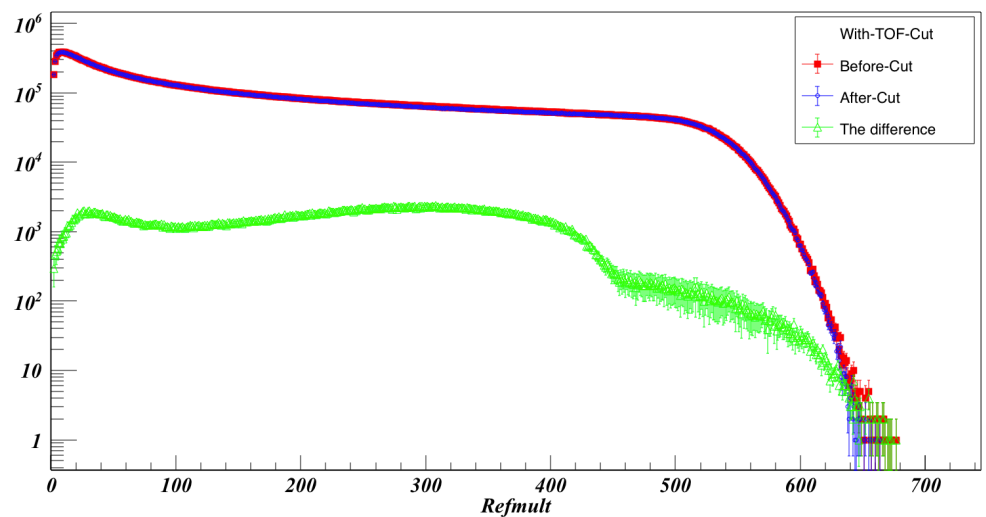
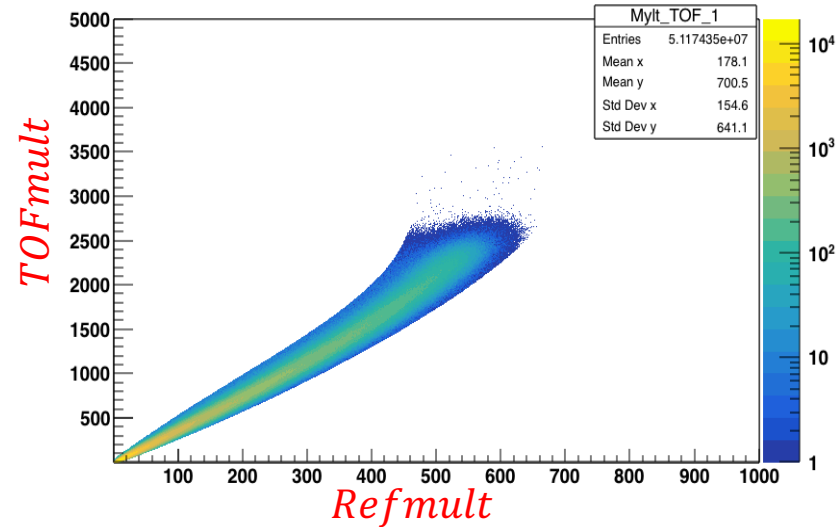
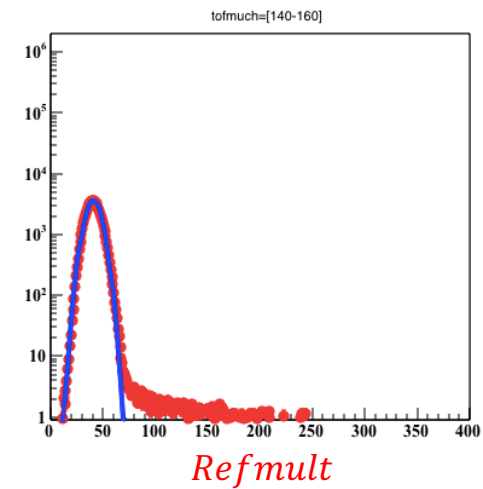
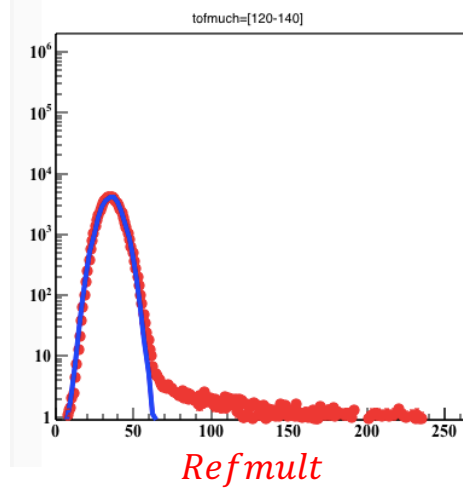
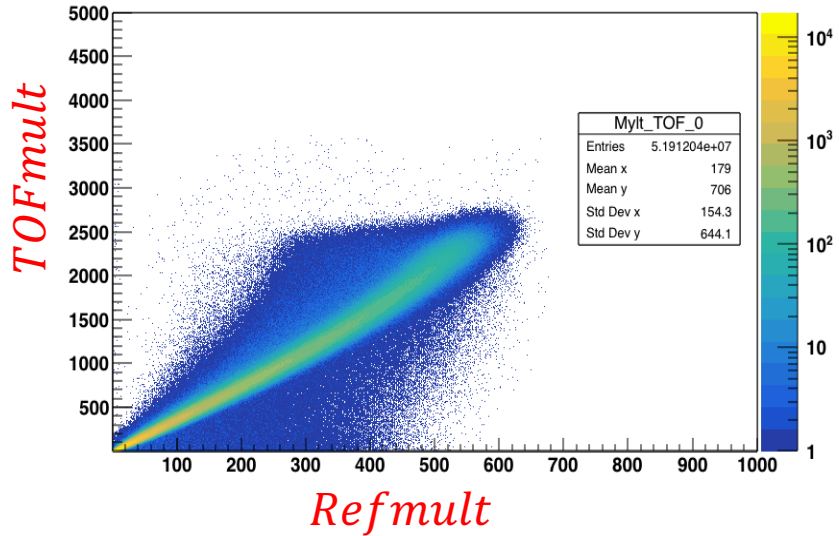
Further investigation of bad events in Au+Au 200 GeV

Au+Au 200 GeV Run-11 is extensively used in prior and ongoing work

- ❖ Pileup-events effect in Au+Au 200 GeV Run-11
 - Pileup-events identification
 - Cutting on pileup-events

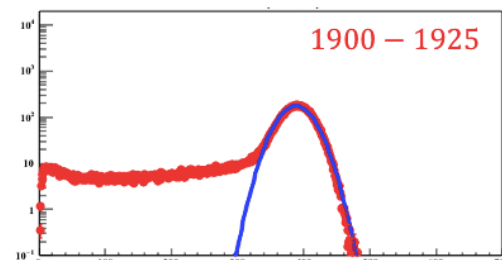
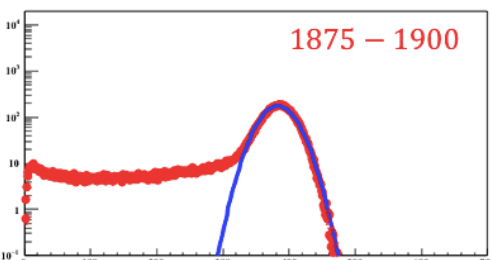
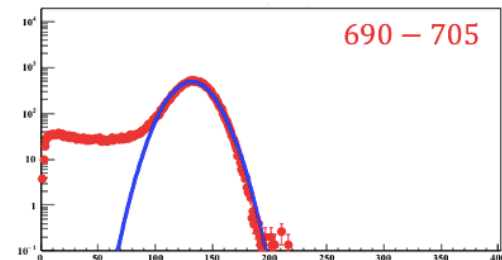
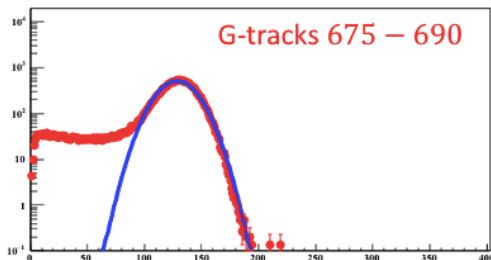
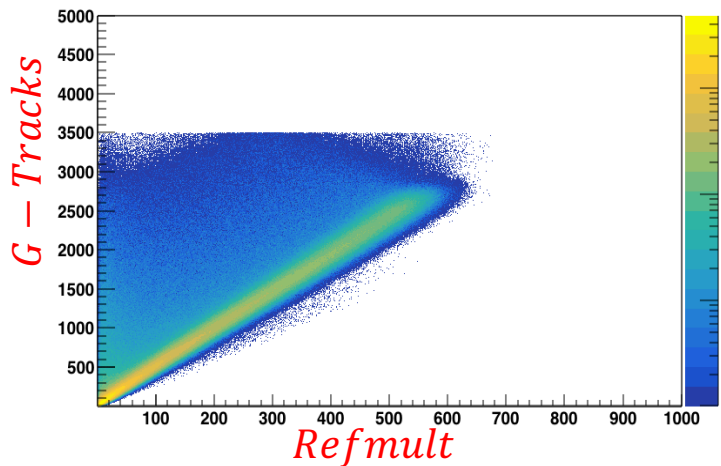
- ❖ Bad-events effect in Au+Au 200 GeV Run-11
 - Bad-events identification
 - Cutting on bad-events

Pileup-events identification



A similar method to that developed for isobar [Yu, Niseem and Prithwish] was used for prior/ongoing work

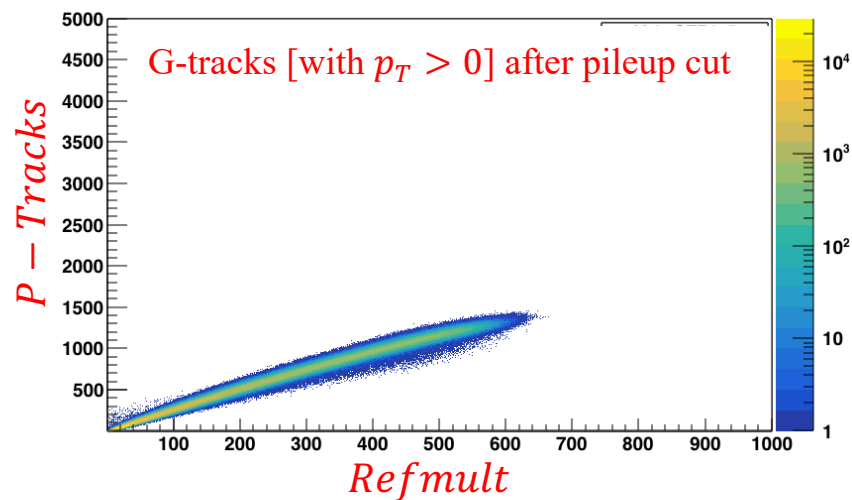
Further investigation of bad events using G-tracks



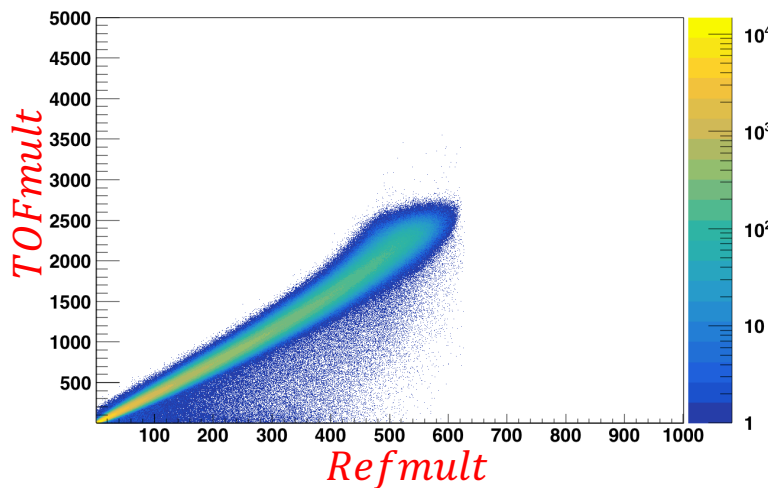
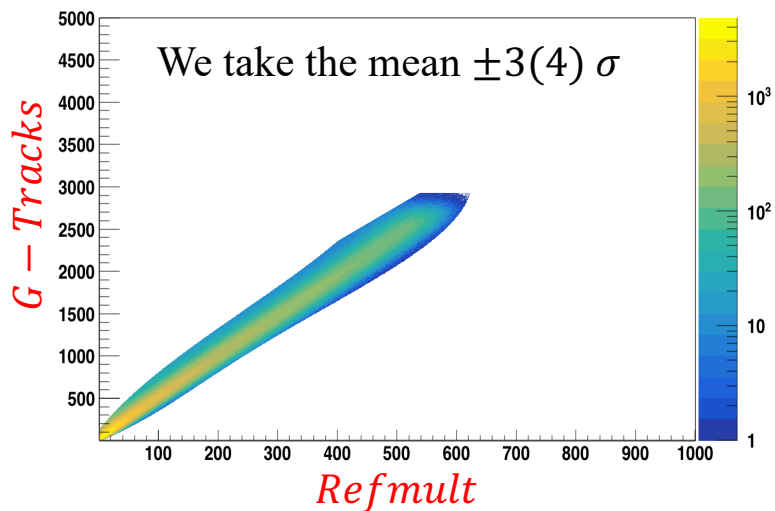
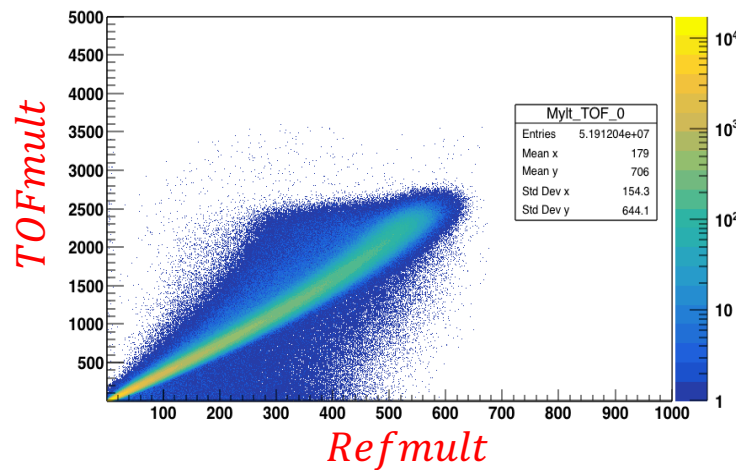
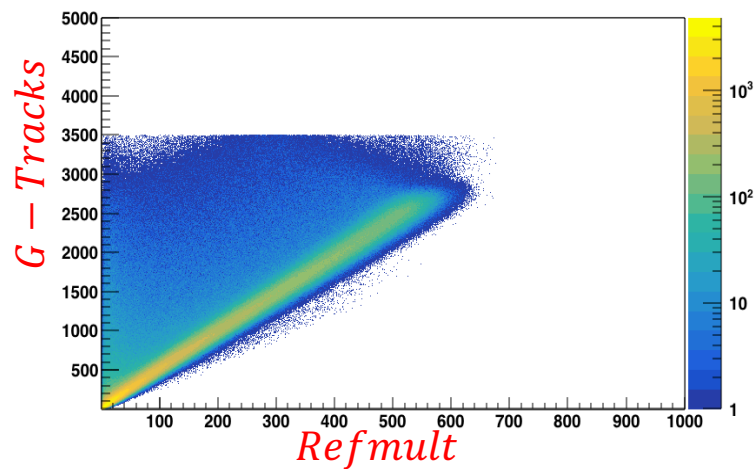
➤ Investigation of the track characteristics for:

- ✓ Tracks with $p_T = 0$, using g-tracks no zero momentum tracks are found.

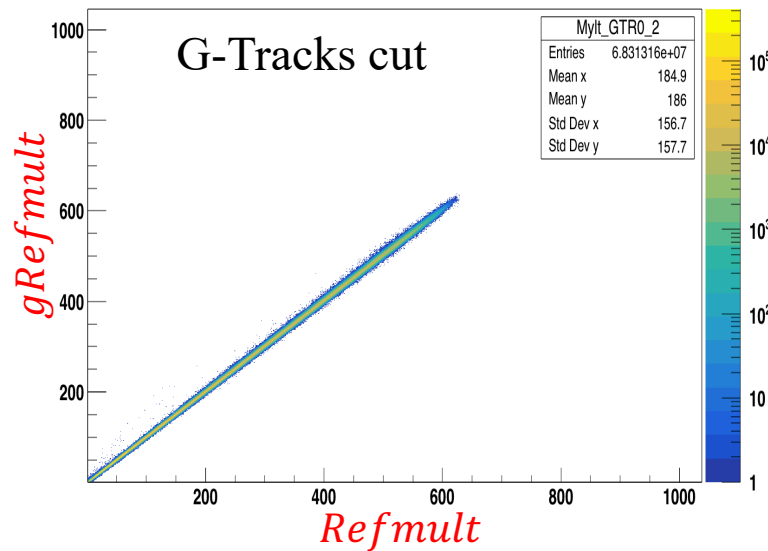
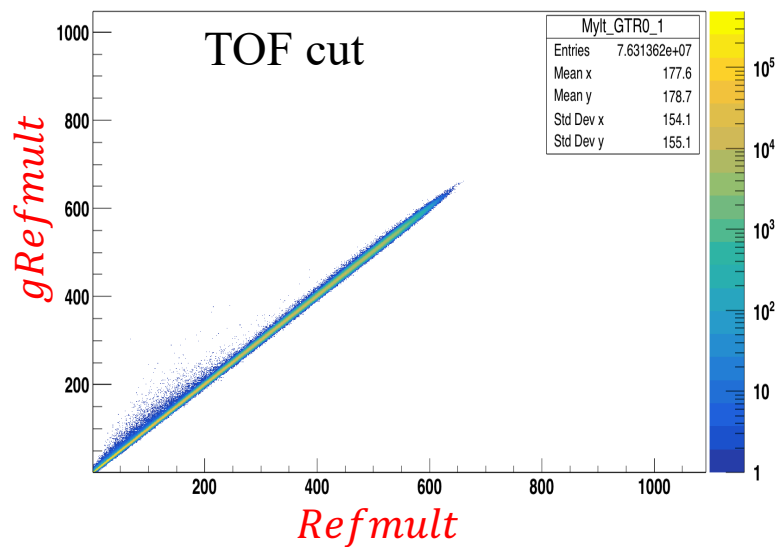
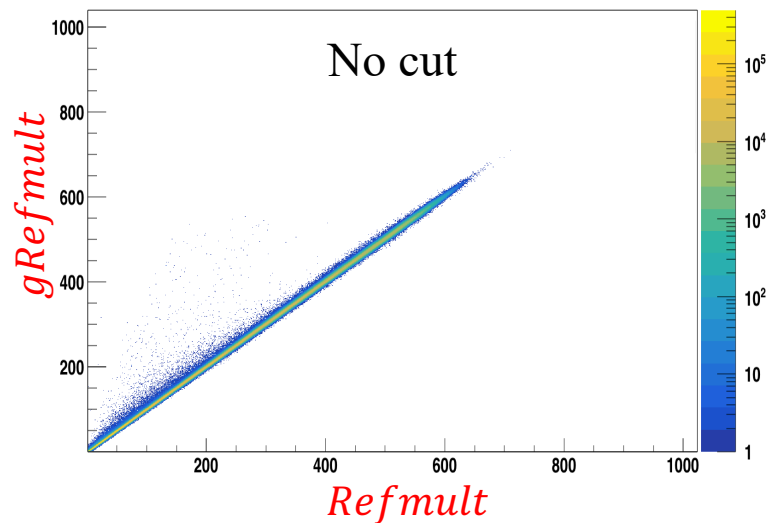
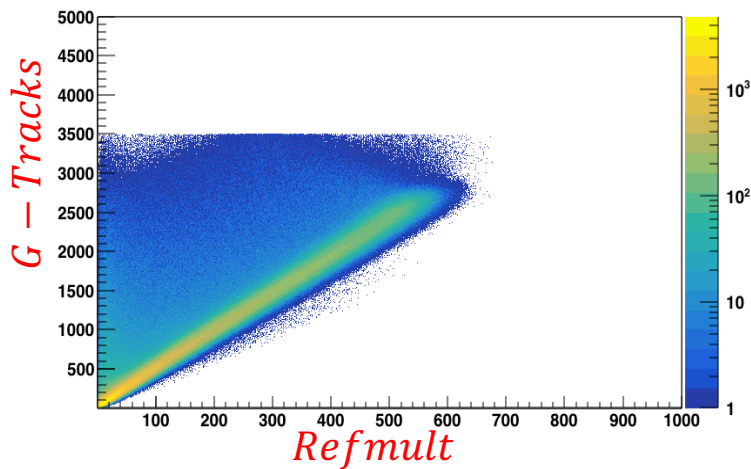
➤ What we looked to was the P-tracks and not the G-tracks.



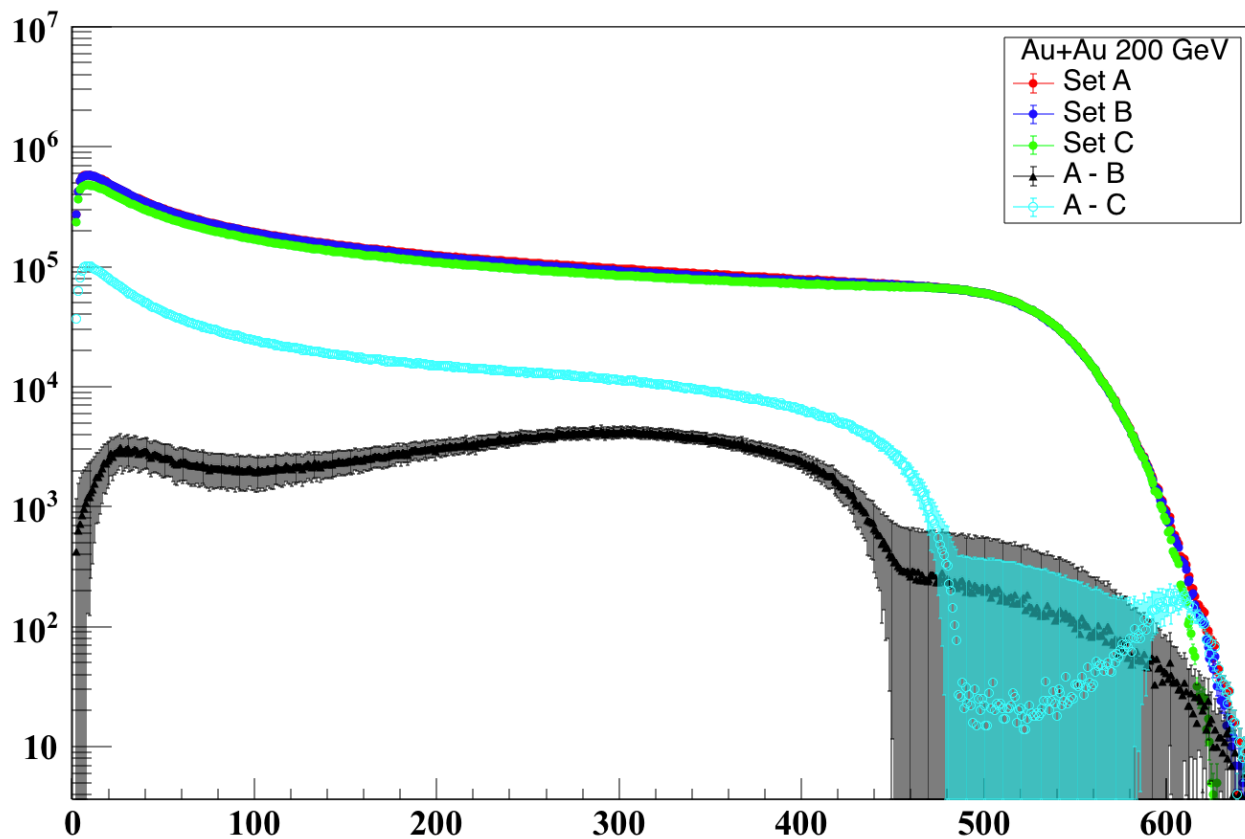
Further investigation of bad events using G-tracks



Further investigation of bad events using G-tracks



Further investigation of bad events using G-tracks

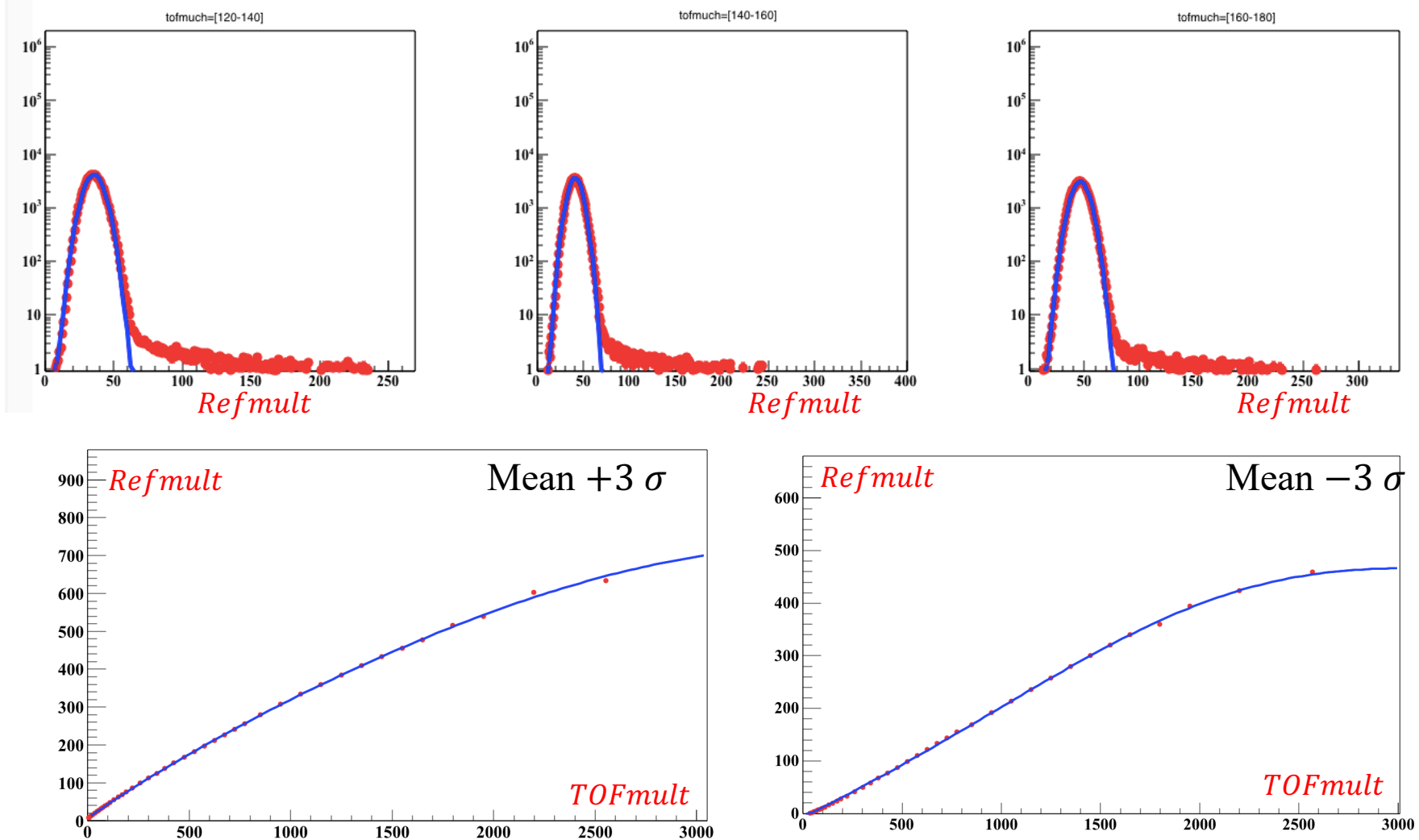


- Set-A [No cuts]
- Set-B [TOF cuts]
- Set-C [G-tracks cuts]

Thank You

Pileup-events effect in Au+Au 200 GeV Run-11

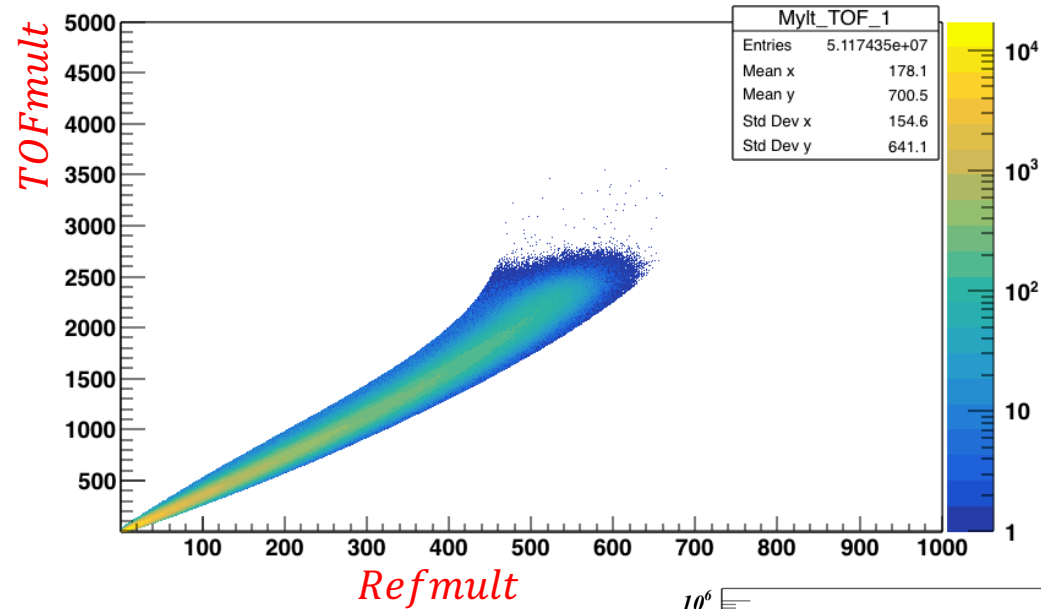
➤ Cutting on pileup-events



➤ We take the mean $\pm 3(4) \sigma$

Pileup-events effect in Au+Au 200 GeV Run-11

- Pileup-events identification
- Cutting on pileup-events



Taking only the mean $\pm 3\sigma$

