STAR status

- Goal: 230 M "good" minimum-bias events at $\sqrt{s_{NN}}$=11.5 GeV
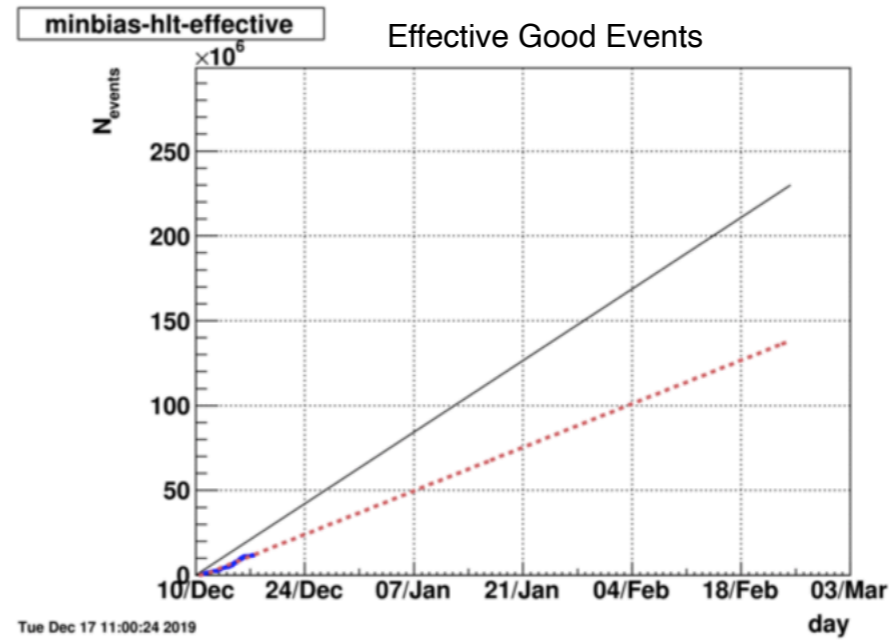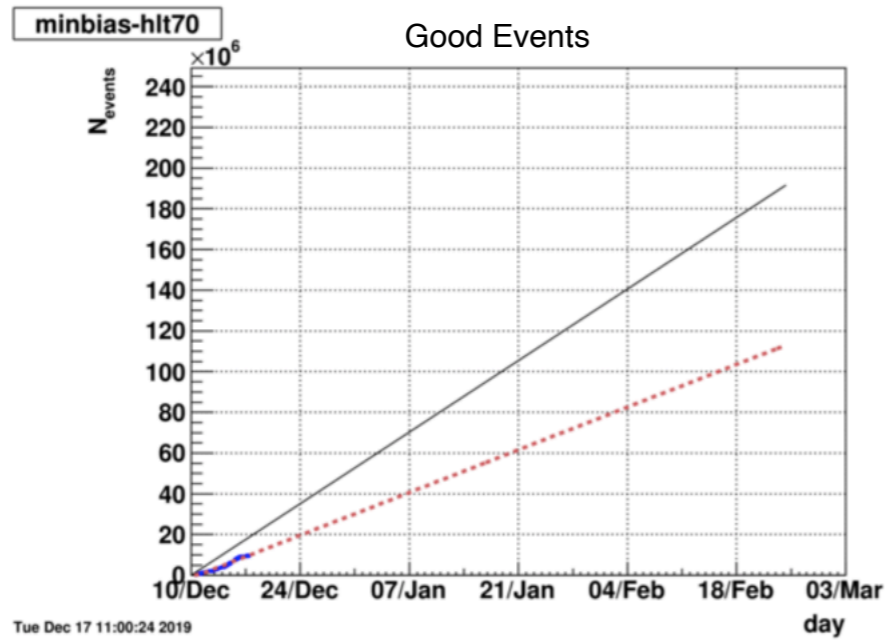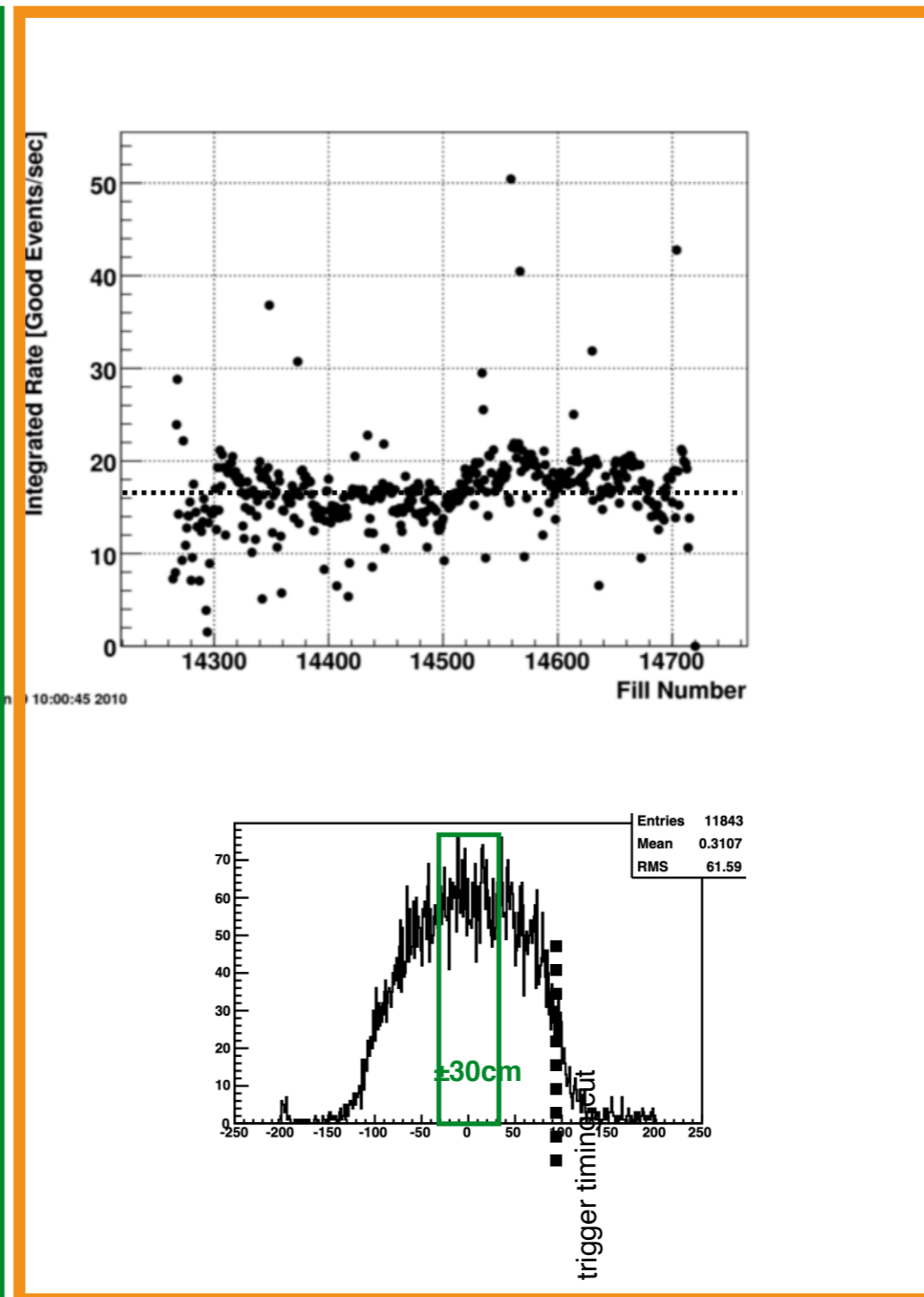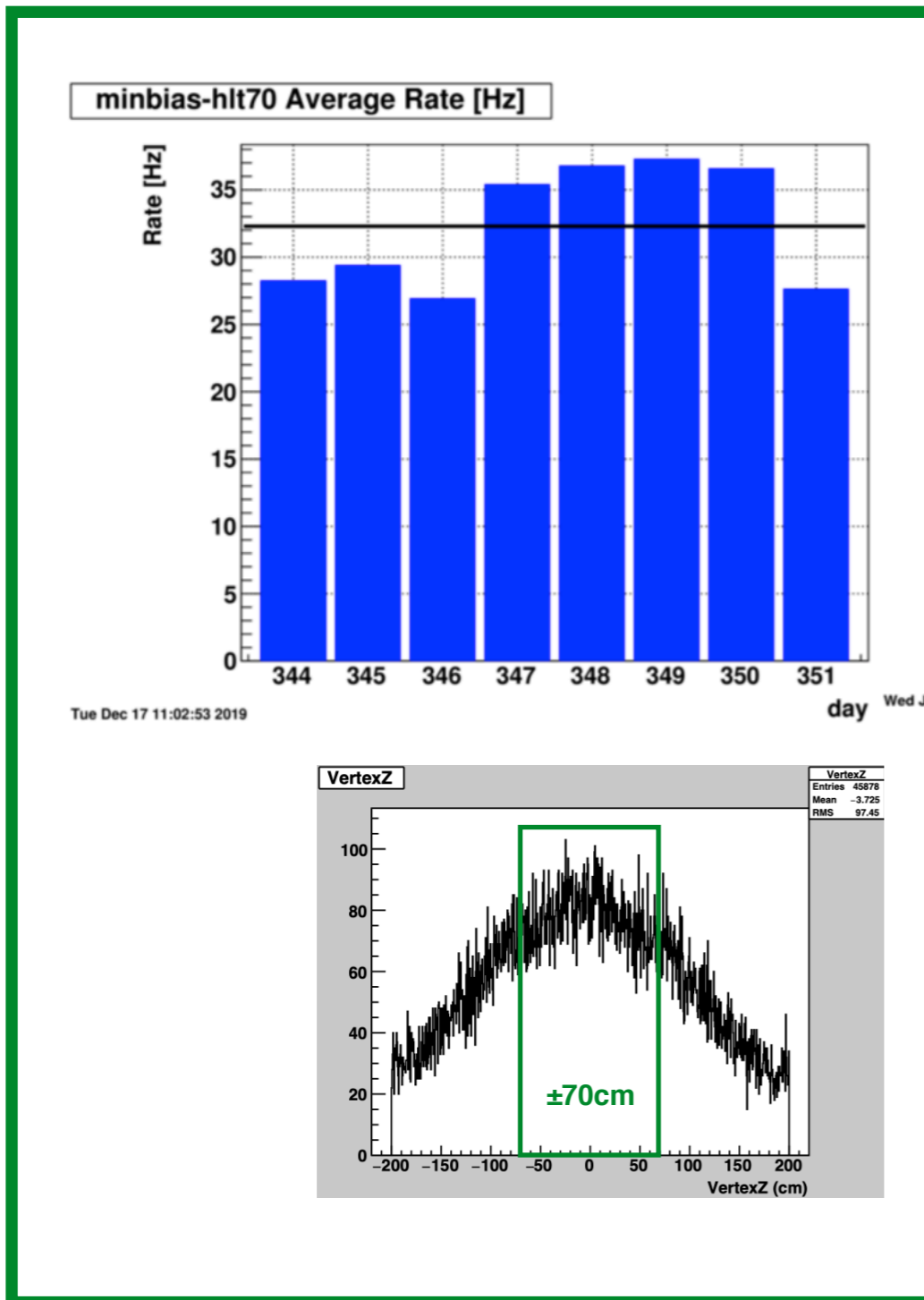
  - "Good events" rates with z vertex with in ±70cm and ±150 cm (with efficiency for physics 30% in 70-150cm)

  - "effective good event" rates ~1.2 * rates in good event rates in ±70cm

  - 12M effective good events collected. To reach the goal: ~70% increase in yield needed (assuming 11.5 GeV run until Feb 25)

- All STAR sub-systems used for physics are performing well

- Fixed target runs to be scheduled ensuring the best performance of eTOF

- Optimizing data collection procedure on the way

  - Detector readiness status between fills

    - minimizing detector ramping time, maximizing efficiency

  - store length 40m - 30m - ?

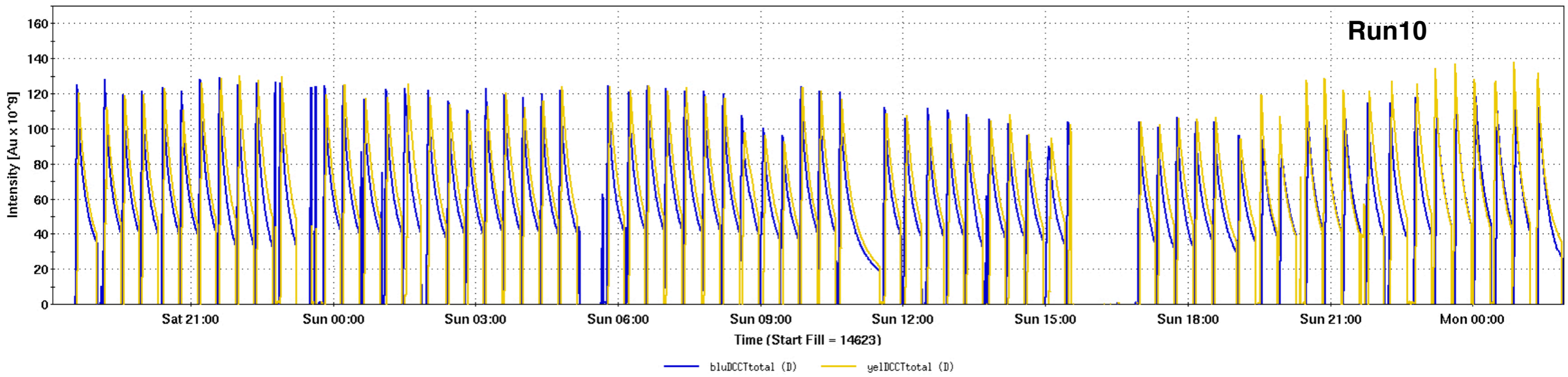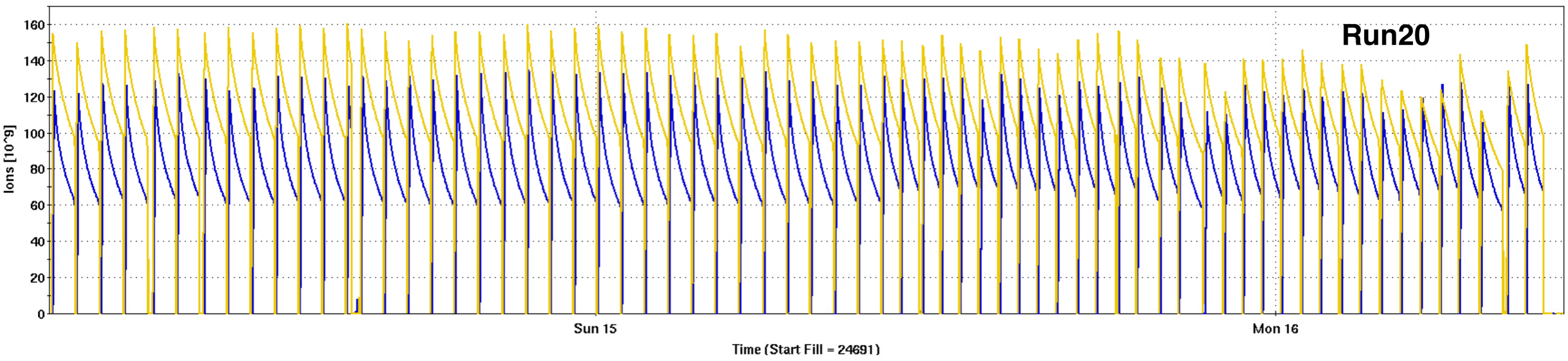# Run20 at $\sqrt{s_{NN}}$=11.5 GeV: Goal vs Projection

Good Events

Effective Good Events

Good MB events in ±70cm

Effective good MB events in ±150cm

grey: good MB events (in ±30cm)*2 in Run10
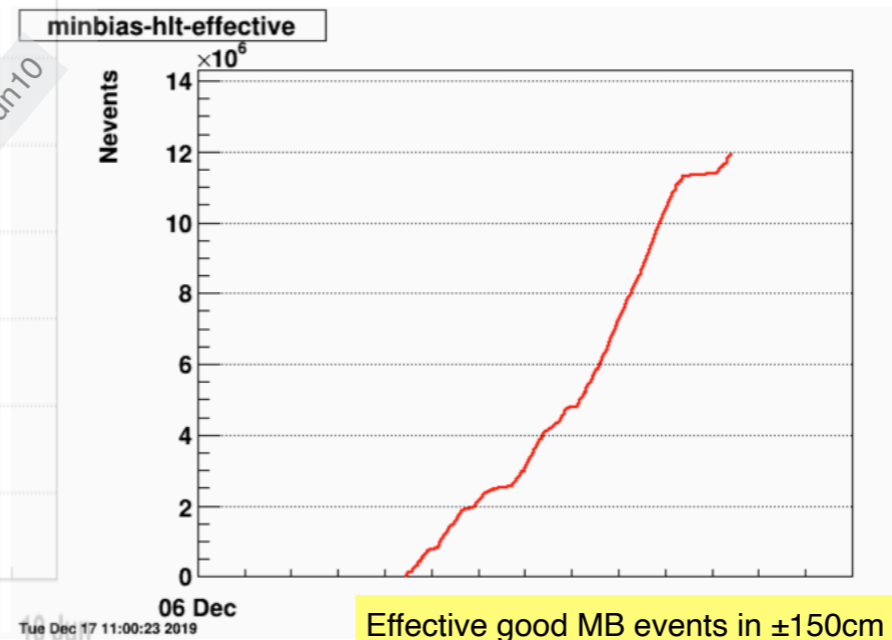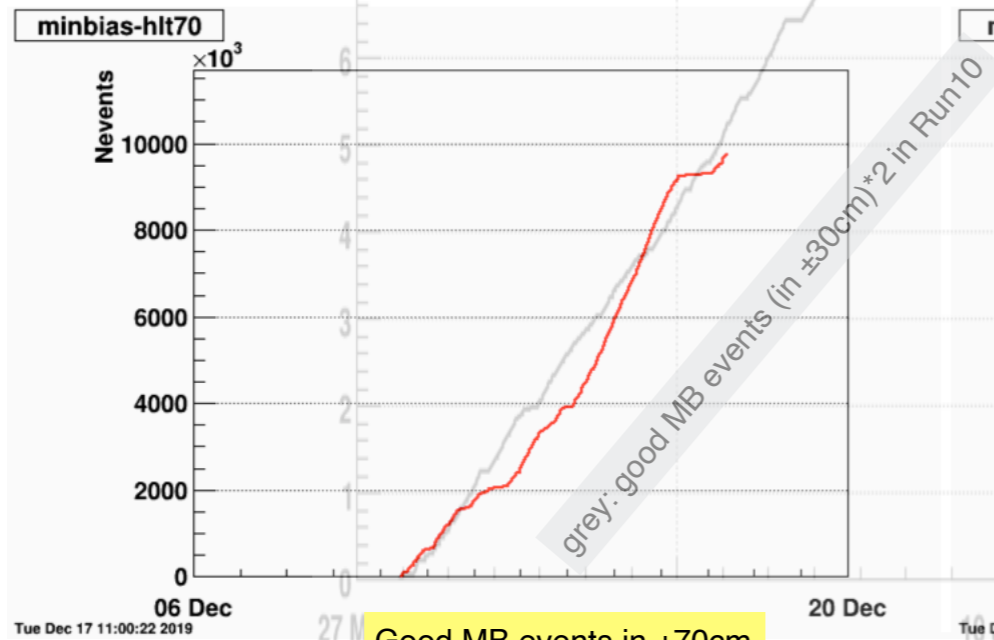
Run20 vs Run10 at $\sqrt{s_{NN}}$=11.5 GeV:Average good event rates

"Good event rates" scaled with sampling vertex range are similar for Run20 and Run10 at 11.5 GeV

Run20 vs Run10 at $\sqrt{s_{NN}}$=11.5 GeV: Beam intensities