Analysis of run 20192001 (Flemming)

- The QA board identified this run as being inefficient in the phi range around 1.0 i.e. 60 deg, which is where sector 1 is for for positive eta.
- Takahito showed this in his slide on the QA meeting on 12/2/2021. I asked to see the the #tracks vs event id for this runs. This is his slide 17 it shows distinct break 5 places, and at some of those there is a drop in #tracks thereafter.
- Tonko noted that Itpc sector 1, RDO1 had many auto-recoveries and these were fixed after the the beam was lost later that night.
- On the next slide I show his plot, and another from the online plots that shows the clear 5 auto recoveries during that run. I believe these are correlated to the breaks in event ID. Note there are triggers that do not require TPC readout and thus will cause eventID to increment even when the TPC busy is asserted.
- It should be discussed if additional QA histograms are needed either in online or fast offline to catch this kind of (unusual) behaviour. Autorecovery by itself should not cause this be here was some anomaly.

Figs

Time dependence