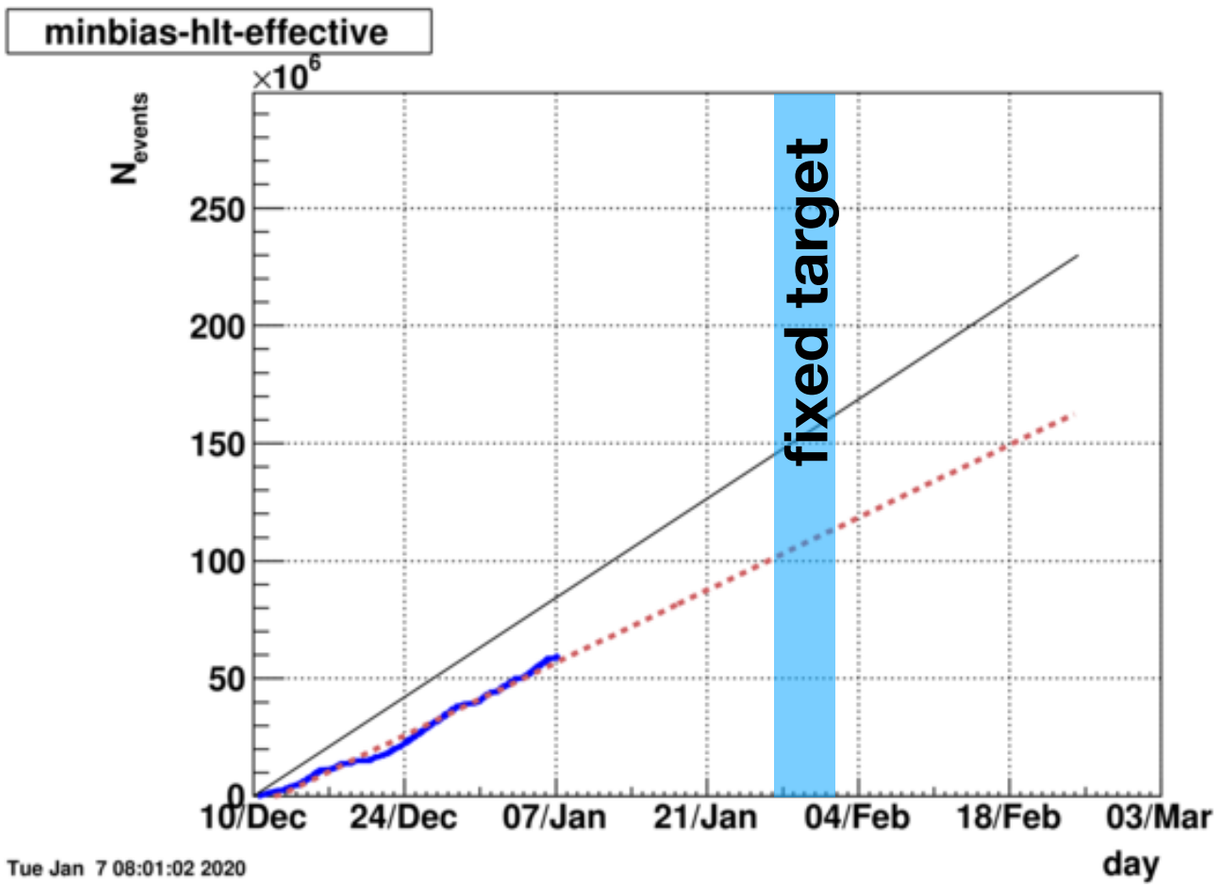
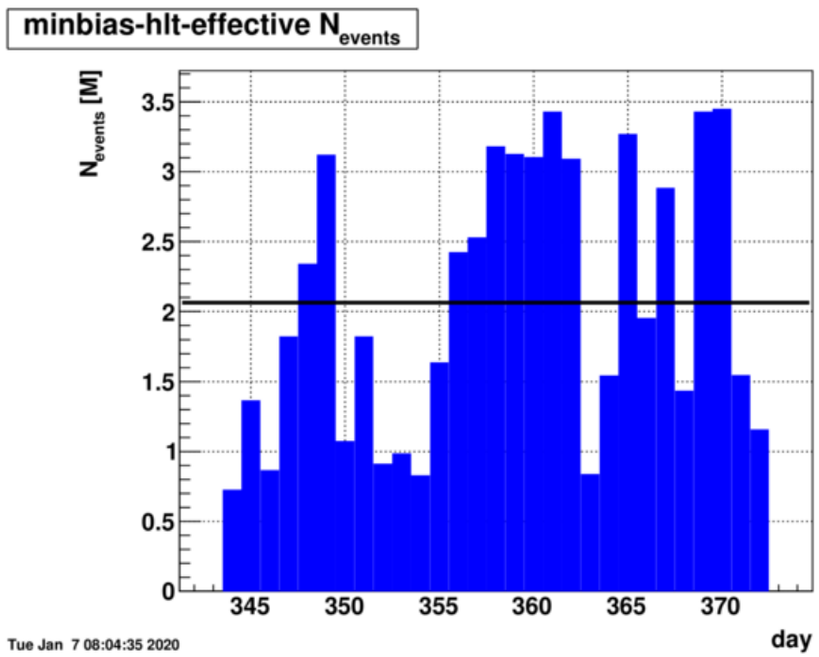
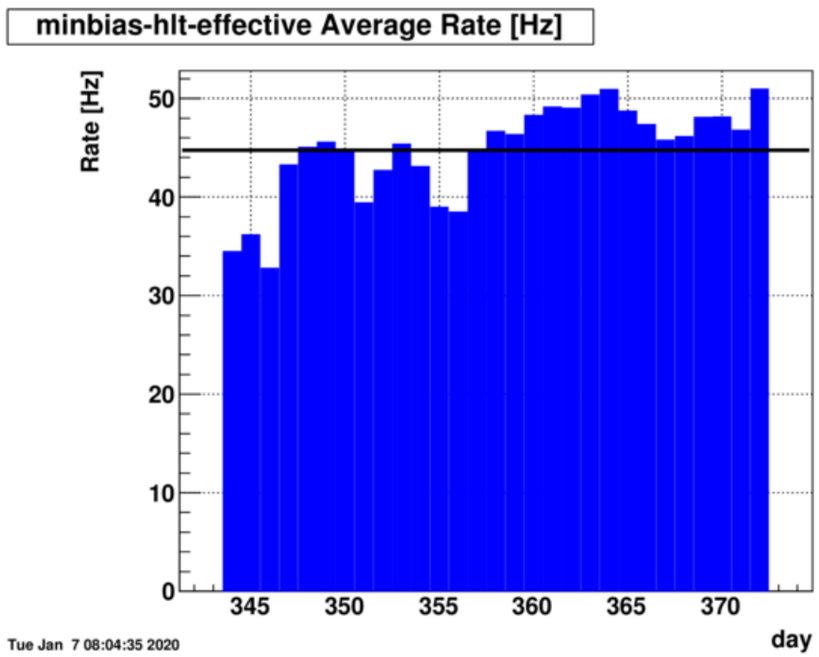
STAR status

- 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~1.22 * good event rates in ±70cm
  - 59.9M effective good events collected
    - To reach the goal: 57 more days of running at <effective good rate> ~ 3M/day
    - looking forward to potential improvements in luminosity
- Fixed target runs to be scheduled ensuring the best performance of eTOF
  - Starting at Jan. 27th (to be confirmed by Jan. 21)
  - Goal: 100M "good" events each for 6 energies ($\sqrt{s_{NN}}$ = 3.5, 3.9, 4.5, 5.2, 6.2, 7.7 GeV)
  - Expected rate ~1500 Hz / 18.5 hrs data taking for 1M
- All STAR sub-systems used for physics are performing well

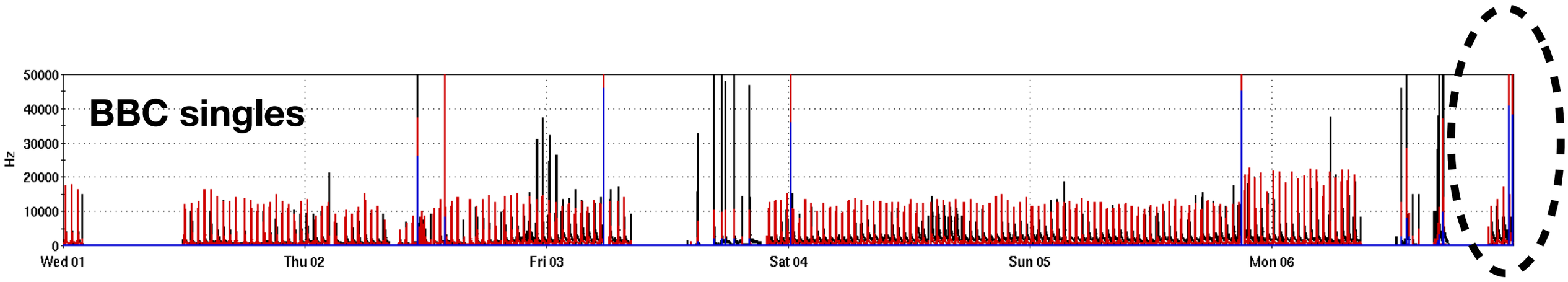
Goal vs projection at 11.5 GeV

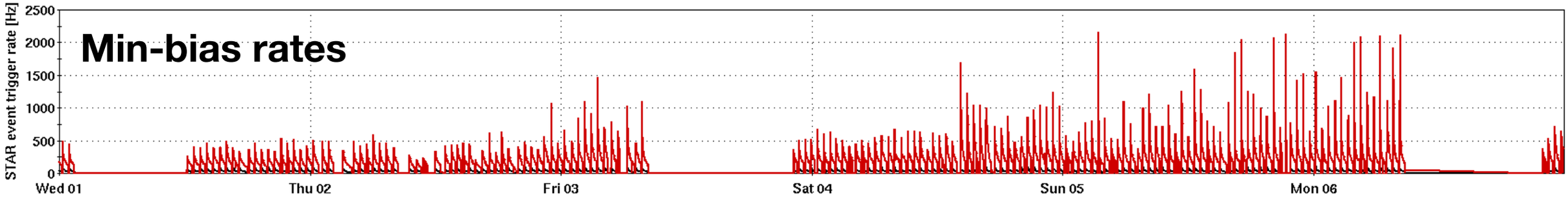


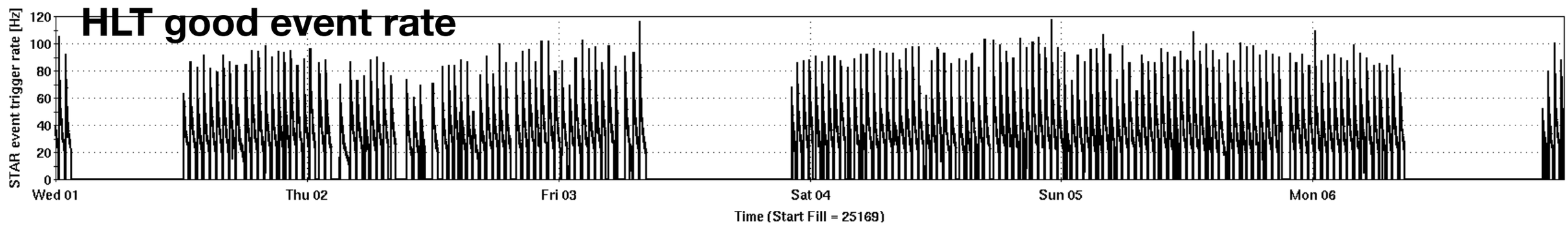


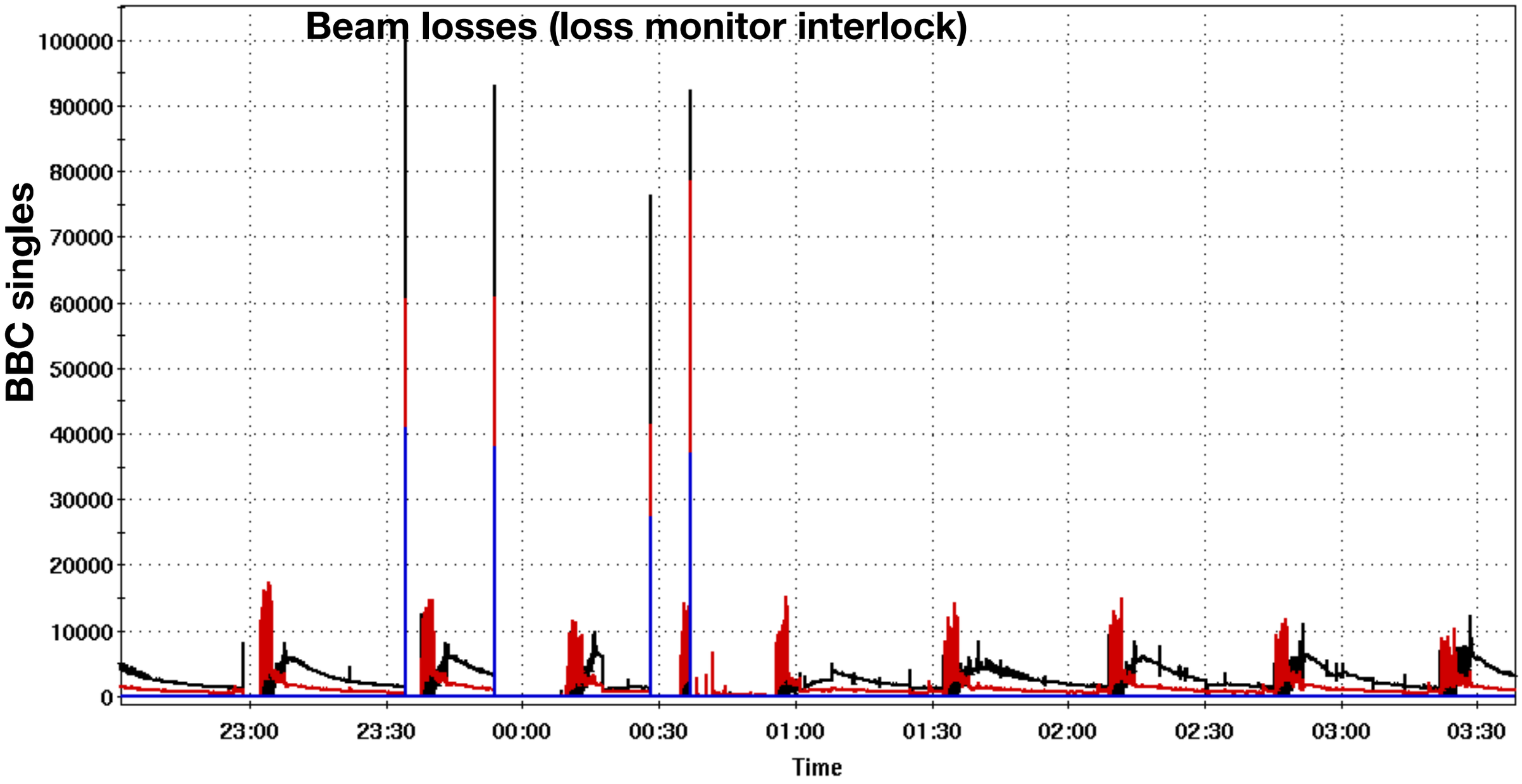


Beam condition and good event rates









Jan 6 / 7

Large backgrounds inducing high and potentially damaging current on the detectors