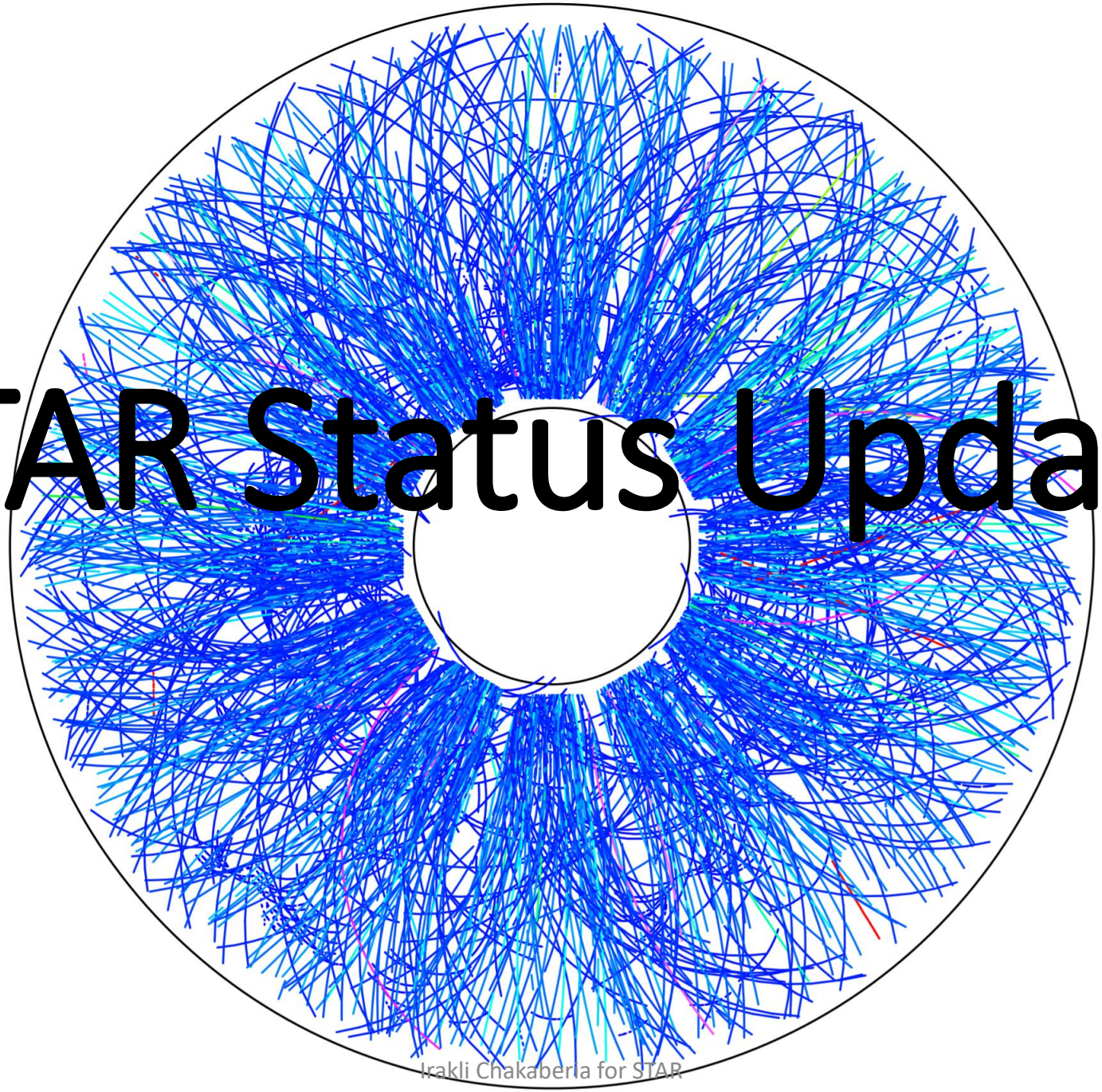


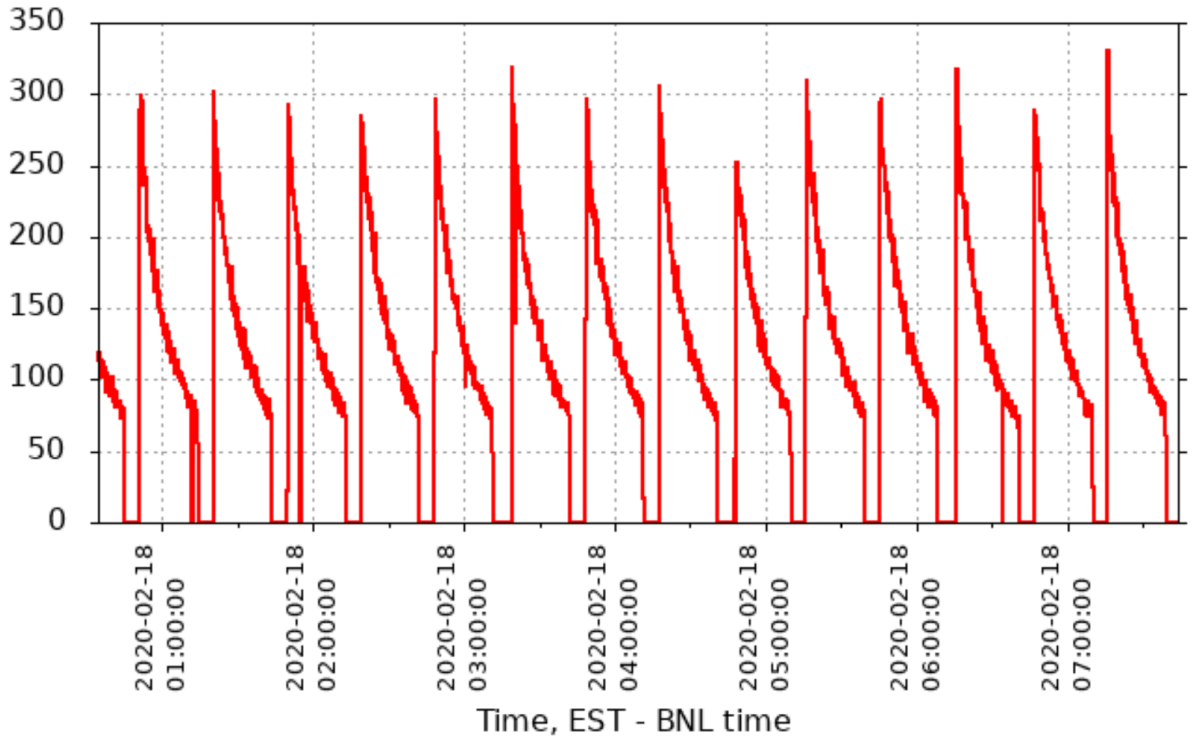
STAR Status Update

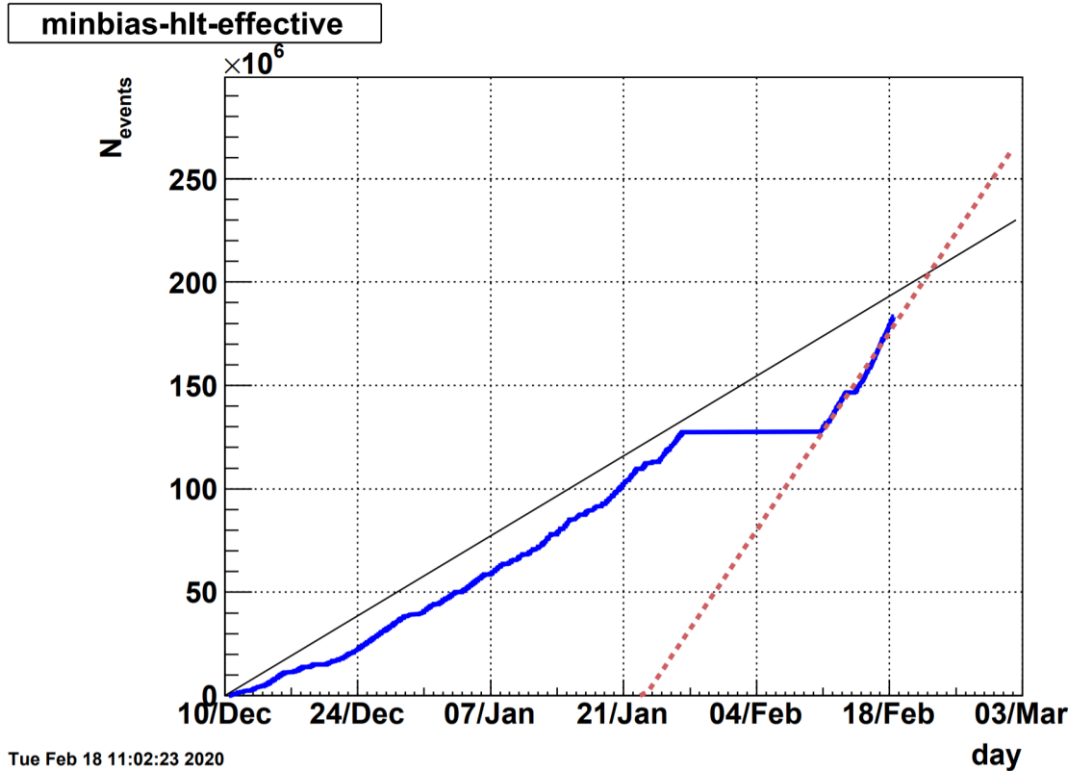
February 18, 2020

Irakli Chakaberia

Status Report
AuAu 11.5 GeV Run

- Data collection for AuAu 11.5 GeV run, for “good” events for physics analysis is shown on the plot;
- As of this morning STAR has collected over 182 M “good” events;



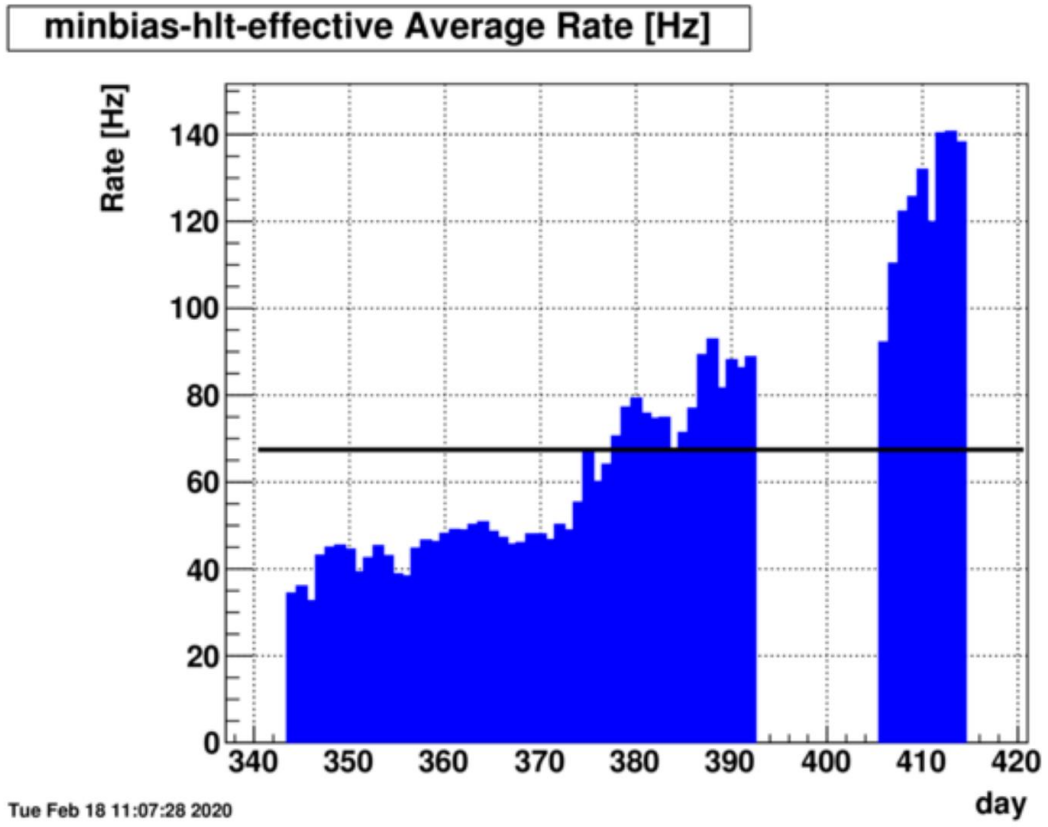


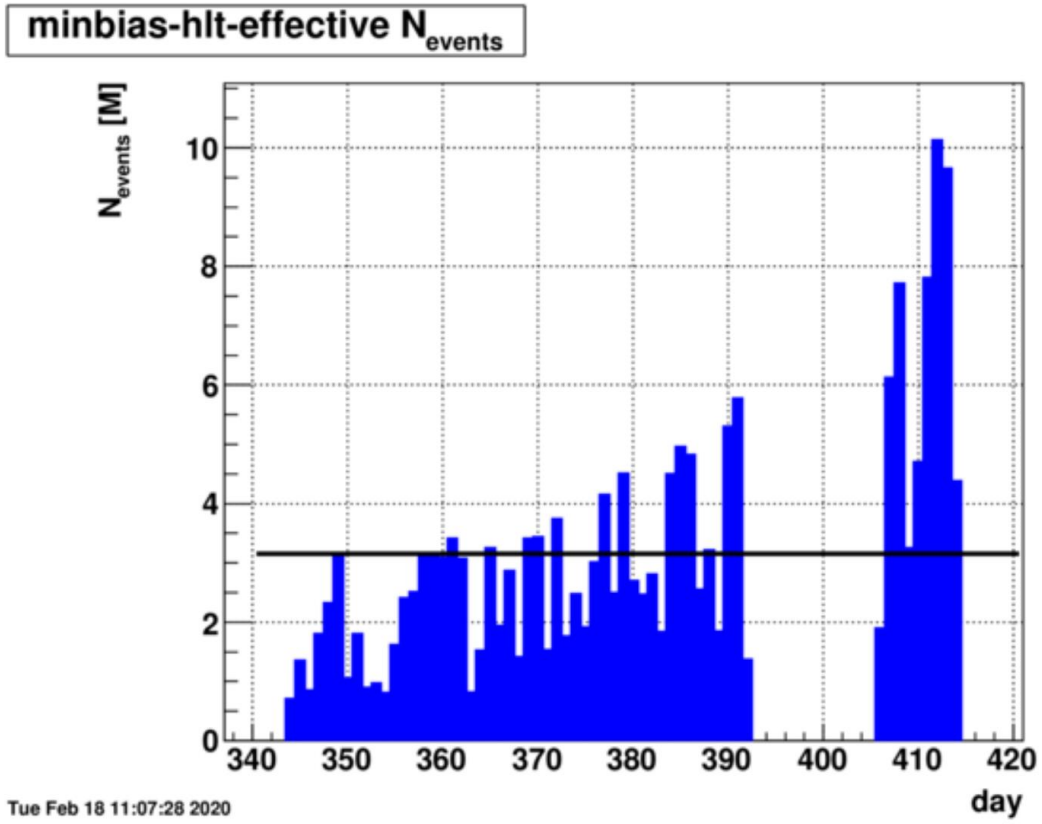
- AuAu 11.5 GeV run is progressing very well and is ahead of the schedule towards the goal of 230 M “good” events.

Status Report
AuAu 11.5 GeV Run

- The average rate has almost doubled since last report keeping the background low.

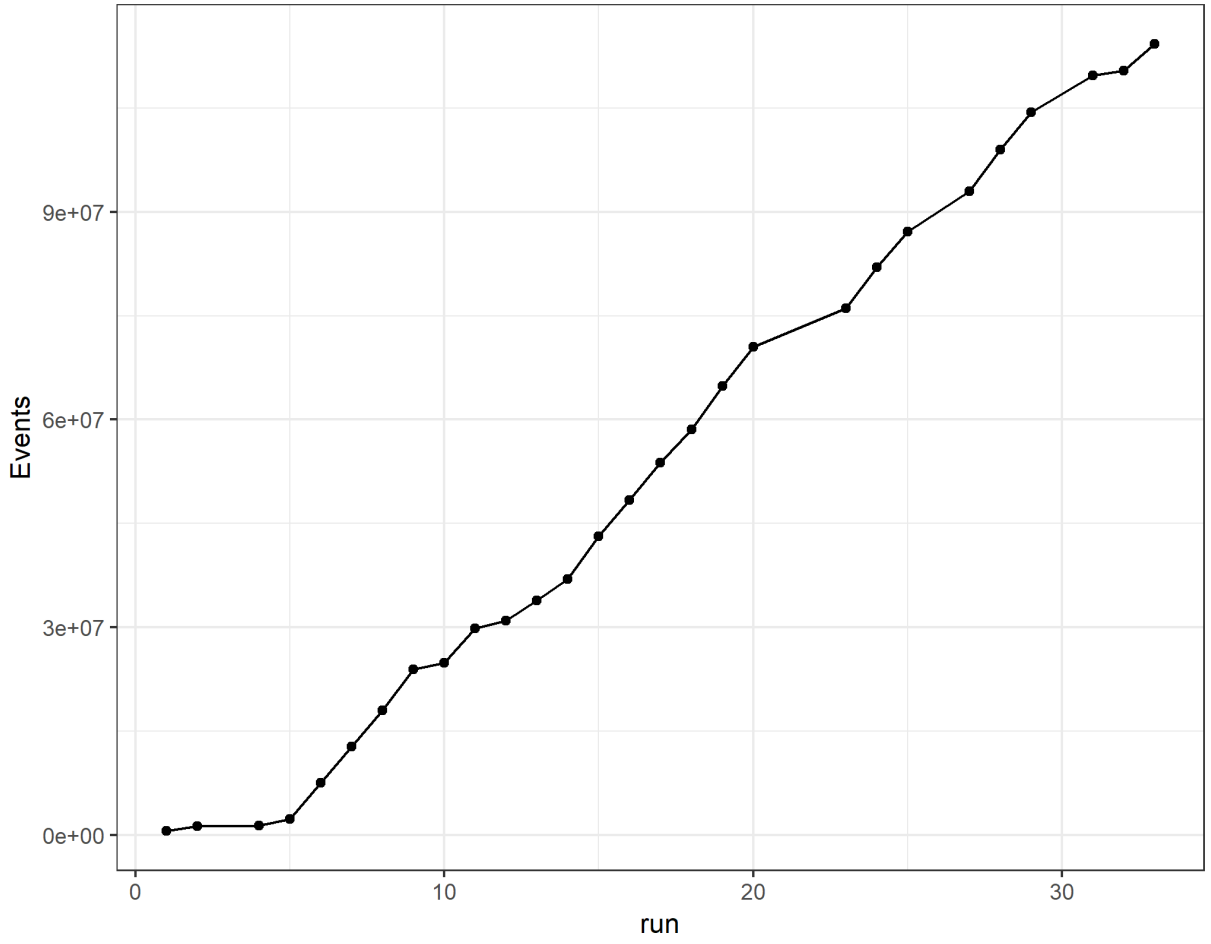
- Collecting about 10M events a day

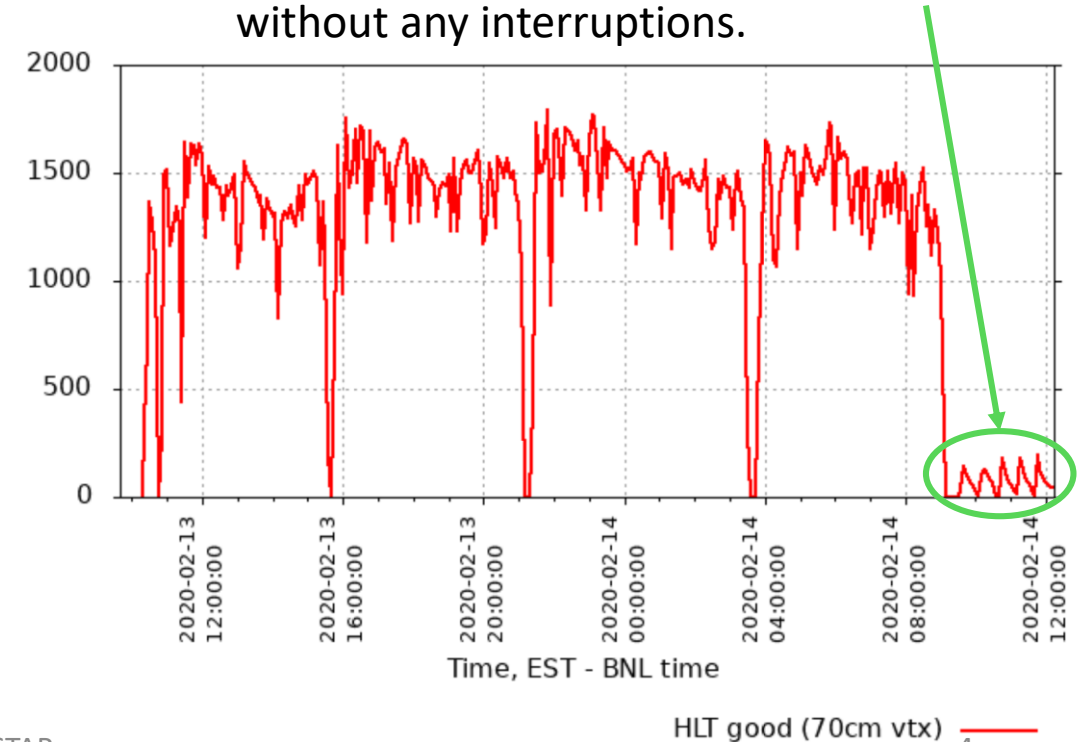




FXT Run 5.75 GeV

- Last Thursday we took final FXT run (5.75 GeV beam energy);
- The run was successfully completed in 24 hours with over 114 M “good” events;
- C-AD provided stable beam optimized to deliver pretty constant collision rate;
- Average “good” event rate was around 1.5 kHz.
- Switch back to AuAu 11.5 happened without any interruptions.





Summary

- All Fixed Target runs are completed.
- Estimate for finishing 11.5 GeV data set and transitioning to 9.2 GeV running early/middle next week.

Beam Energy (GeV)	Status	Events Collected (M)	Target (M)
FXT 31.2	Complete	112	100
FXT 19.5	Complete	118	100
FXT 13.5	Complete	103	100
FXT 9.8	Complete	108	100
FXT 7.3	Complete	117	100
FXT 5.75	Complete	114	100
Collisions 5.75	Ongoing	182	230
Collisions 4.6	Ongoing	7	160