

STAR Status Update

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March 10, 2020

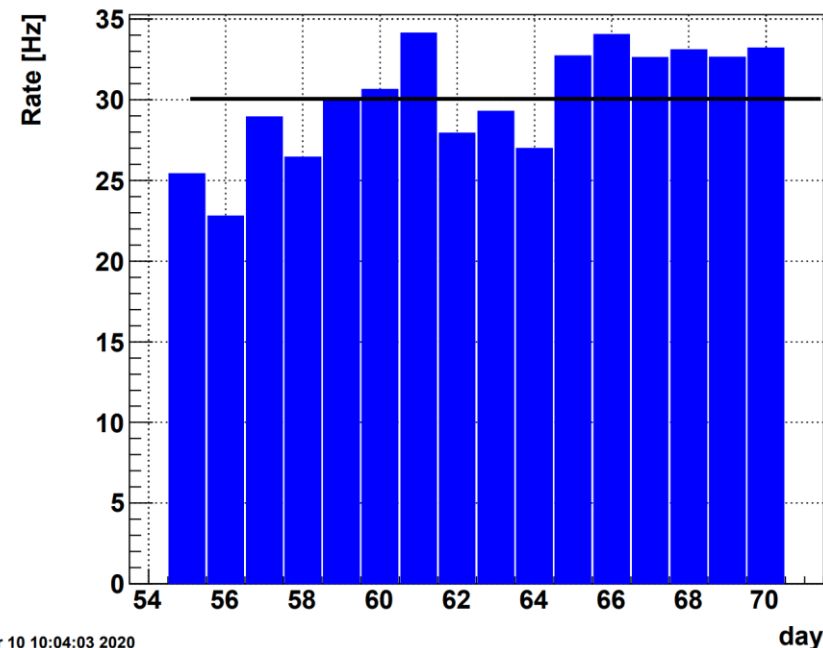


STAR

AuAu 9.2 GeV Collisions

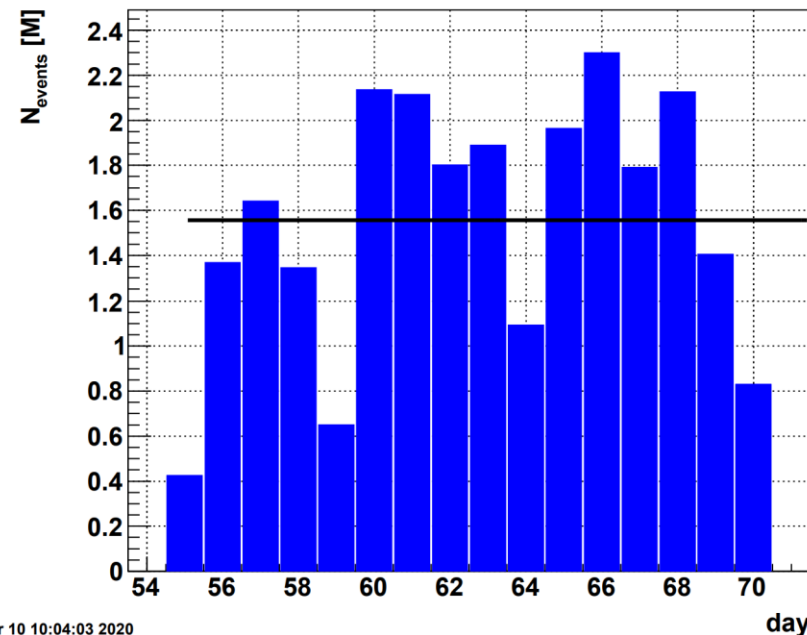
- Continue 9.2 GeV Collisions last week;
- Average HLT good event rate is about ~ 30 Hz in the past two weeks;
- Rate increases to ~ 33 Hz since last Thursday;
- 1.6M/day events in the past two weeks, and ~ 1.8 M/day last week.

minbias-hlt-effective Average Rate [Hz]



Tue Mar 10 10:04:03 2020

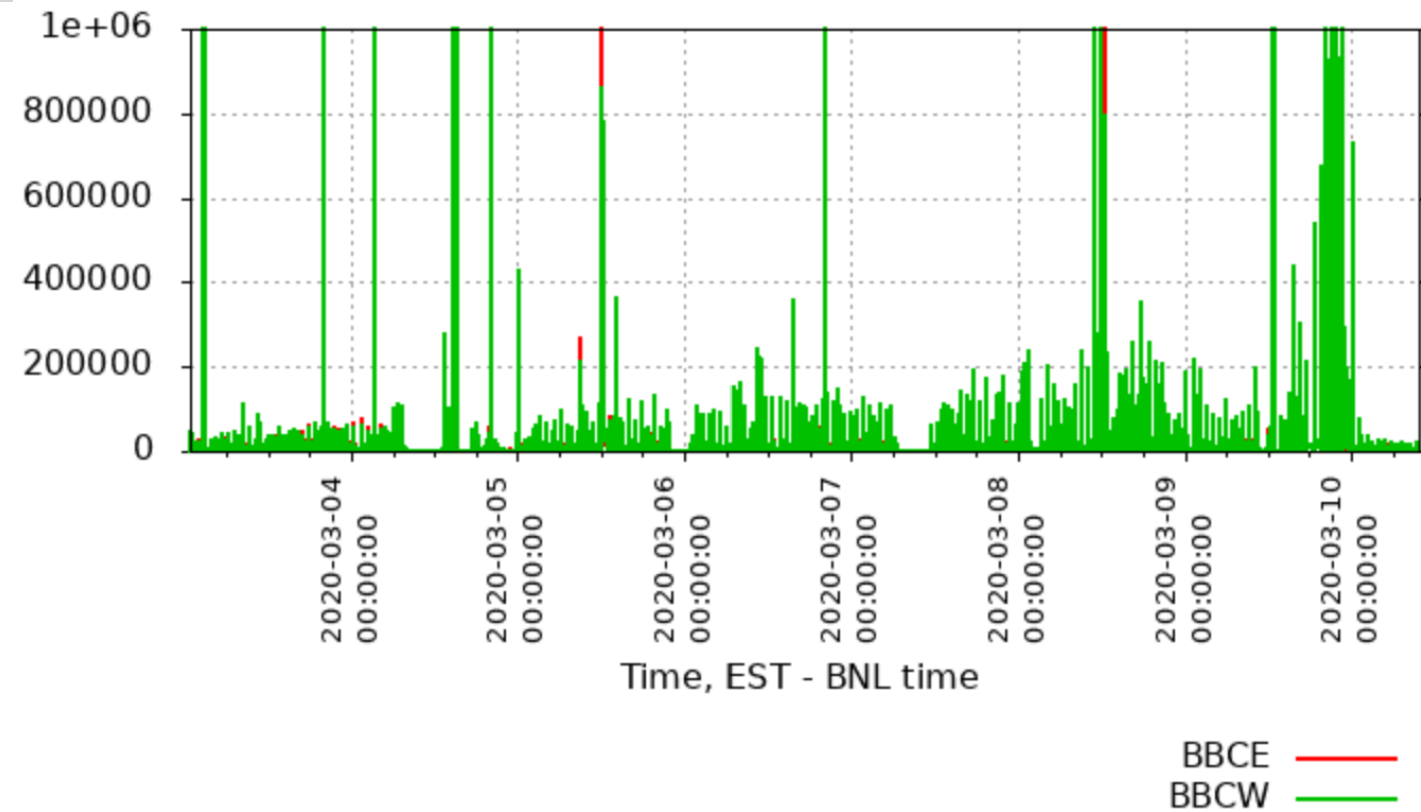
minbias-hlt-effective N_{events}



Tue Mar 10 10:04:03 2020

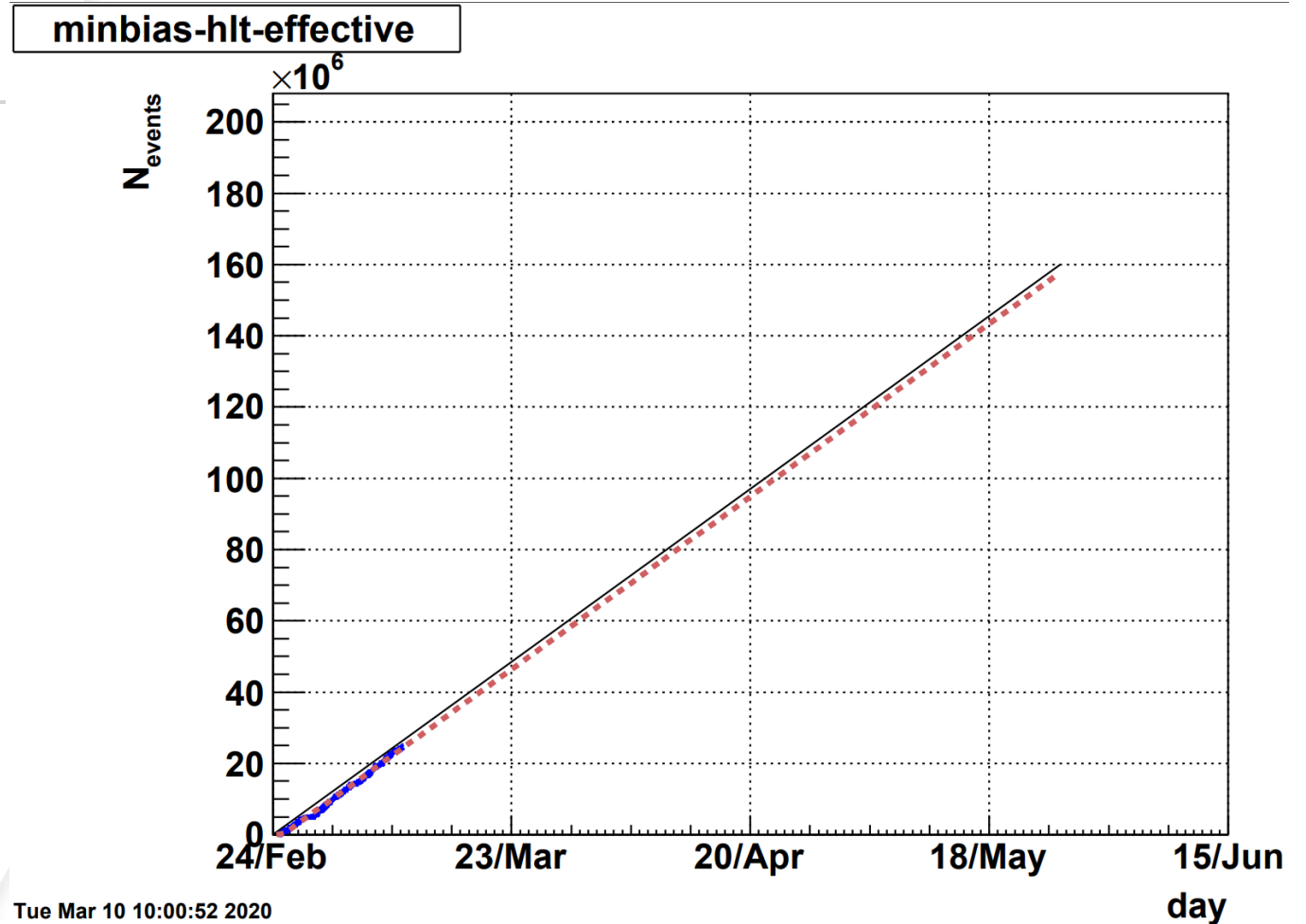
AuAu 9.2 GeV Collisions

- Background gets higher sometimes during the injection or beam squeeze;
- Happened more frequently yesterday;
- This is a concern for STAR as it trips our detector several times;



AuAu 9.2 GeV Collisions

- 9.2 GeV Collisions is progressing well;
- 25M accumulated for 9.2 GeV Collisions;
- Ignoring the expected interruptions due to CeC and 7.7 GeV LEReC commissioning, the projection shows that we'd reach the data set goal by the end of May.



Summary

- All Fixed Target runs are completed;
- 11.5GeV Collision is completed;
- 9.2 GeV Collision is ongoing.

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	Complete	235	230
Collisions 4.6	Ongoing	25	160