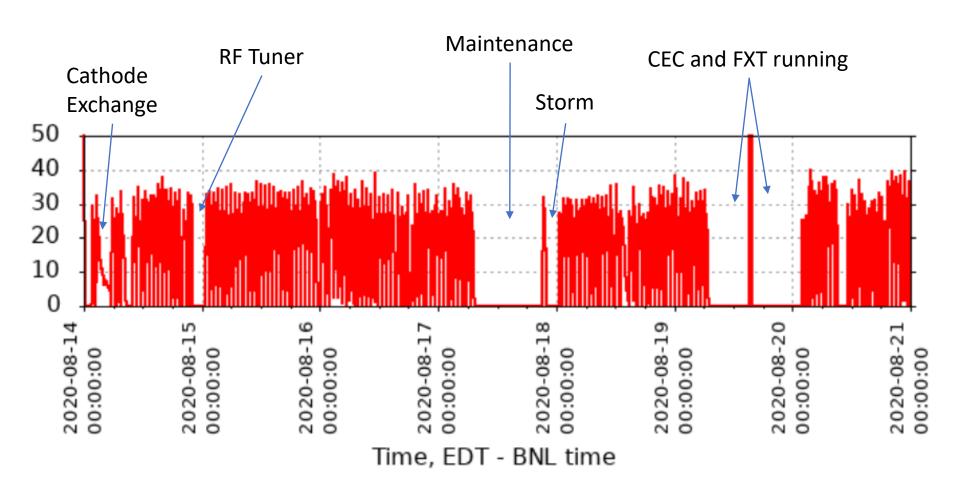
Machine and Run Status

Daniel Cebra
21-August-2020
Run 2020(b)

- 9.2 GeV collisions
 - 26.5 GeV FXT

9.2 GeV collisions Run Status

Main breaks for the past week came from maintenance and CEC timesharing

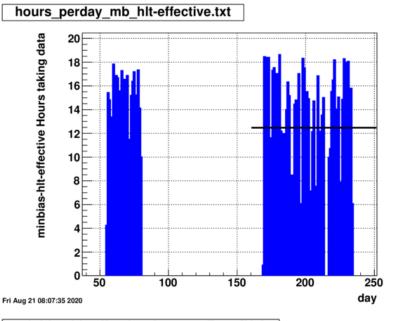


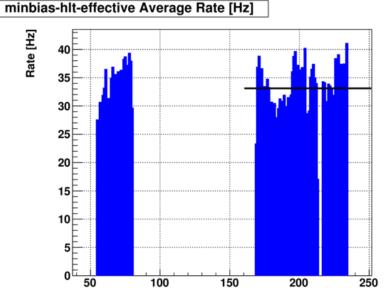
HLT good (70cm vtx)

Review of the Past Week

Day	Hours of data taking	Number HLTgood Events	Issues	Hours down
Friday, Aug 14	14.9	1.80 M	Cathode Exchange, RF tuner	4
Saturday, Aug 15	18.3	2.58 M		
Sunday, Aug 16	18.0	2.42 M		
Monday, Aug 17	6.1	0.82 M	Maintenance Day	13
Tuesday, Aug 18	18.1	2.39 M		
Wednesday, Aug 19	5.4	0.73 M	CEC dedicated time	16
Thursday, Aug, 20	15.8	2.10 M		

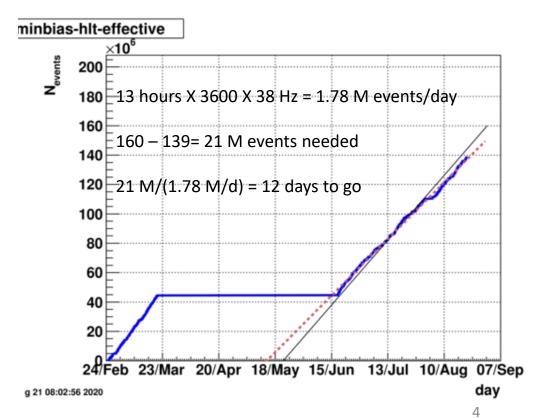
9.2 GeV collisions Run Status





day

- Last week, average hours per day was 13.8.
- HLTgood average event rate has been up. Now using 38 Hz for projections
- Currently 139 M, Projected finish Sep. 02nd.



FXT running during CEC

Parasitic running during CeC time

The option is FXT at 26.5 (7.2) GeV

- → This week took FXT data for 15 minutes
- → Run number 21232025
- → Recorded 1.3 M HLTgood event at 26.5 (7.2) GeV
- → Recorded 1.7 M triggers → about 76% HLTgood rate

June 2nd – 14th

Schedule for final phase of RHIC operations (Could be somewhat fluid)

Wednesday June 02nd – 9.2 GeV complete

Thursday and Friday – Turn up LEReC for 7.7 GeV Collisions

Saturday, Sunday, and Monday – Take collisions at STAR over Labor day weekend

Tuesday to Thursday – CEC time (might get some 26.5 GeV FXT)

Under discussion – RHIC test at 2.5 GeV

Monday September 14th – Start warm-up.

Summary

- 9.2 GeV running has been good this past week
- Should finish 9.2 GeV in early September (September 2nd)
- Accumulated 1.3 M FXT event at 26.5 (7.2) GeV Wednesday
- Starting to schedule out the final two weeks of RHIC operations this year.

Overview of where we were are for all of Run 20

Energy	Start	Finish	First Run	Last Run	HLTgood	Target
11.5 GeV	Dec 10 th	Feb 24 th	20056032	21055017	1235 M	230 M
31.2 FXT	Jan 28 th	Jan 29 th	21028011	21029037	112.5 M	100 M
9.8 FXT	Jan29 th	Feb 1st	21029051	21032016	108 M	100 M
19.5 FXT	Feb 1st	Feb 2 nd	21032049	21033017	118 M	100 M
13.5 FXT	Feb 2 nd	Feb 3 rd	21033026	21034013	103 M	100 M
7.3 FXT	Feb 4 th	Feb 5 th	21035003	21036013	117 M	100 M
5.75 FXT	Feb 13 th	Feb 14 th	21044023	21045011	115.6 M	100 M
9.2 GeV	Jan 30 th	Sep??th	21055032	21000000	139.0 M	160 M
7.7 GeV	Jun	June	21000000	21000000	0 M	none
26.5 FXT	July 29th	TBD	21211028		27 M	none

Energy	HLTgood w/ eTOF	Target w/ eTOF
31.2 FXT	101.7 M	100 M
19.5 FXT	80.4 M	80 M
13.5 FXT	88.9 M	70 M
9.8 FXT	72.7 M	65 M
7 3 FXT	106 4M	50 M