

Machine and Run Status

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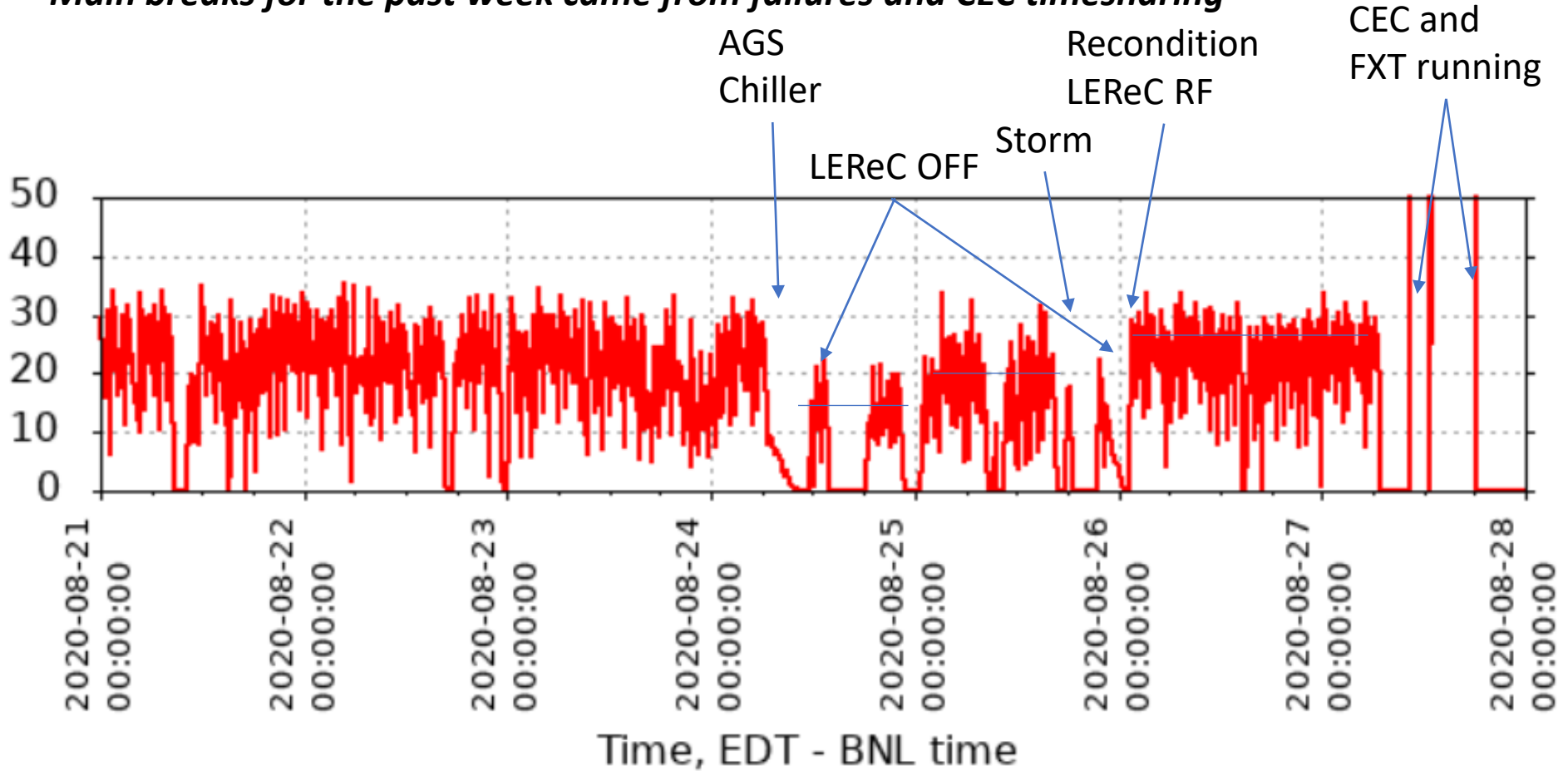
28-August-2020

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 failures and CEC timesharing



HLT good (70cm vtx) —

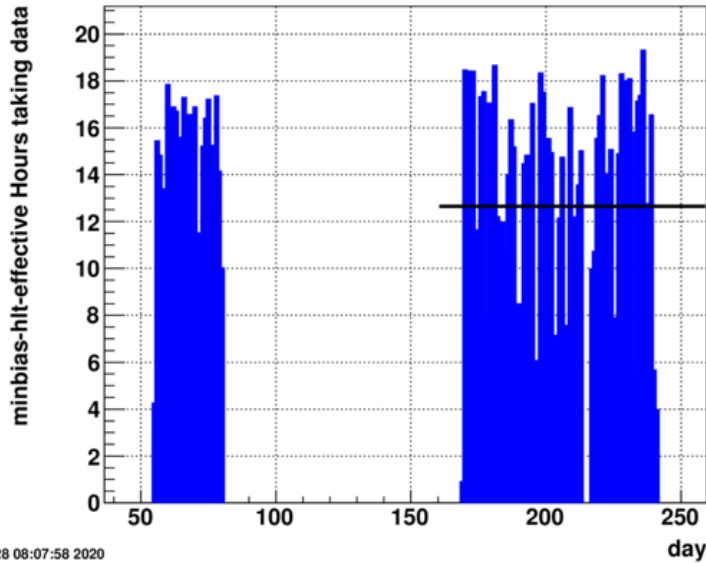
Review of the Past Week

Day	Hours of data taking	Number HLTgood Events	Issues	Hours down
Friday, Aug 21	17.2	2.54 M		
Saturday, Aug 22	17.4	2.64 M		
Sunday, Aug 23	19.3	2.64 M		
Monday	12.8	1.25 M	Bldg 911 Water	8
Tuesday	12.7	1.48 M	Storms and Injectors	4
Wednesday	16.6	2.51 M		
Thursday	5.7	0.85 M	CEC (with FXT)	16

Excellent week of running.

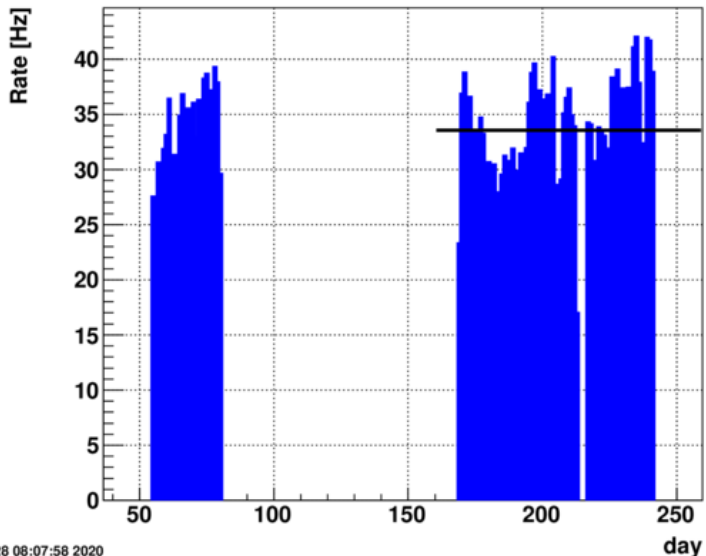
9.2 GeV collisions Run Status

hours_perday_mb_hlt-effective.txt

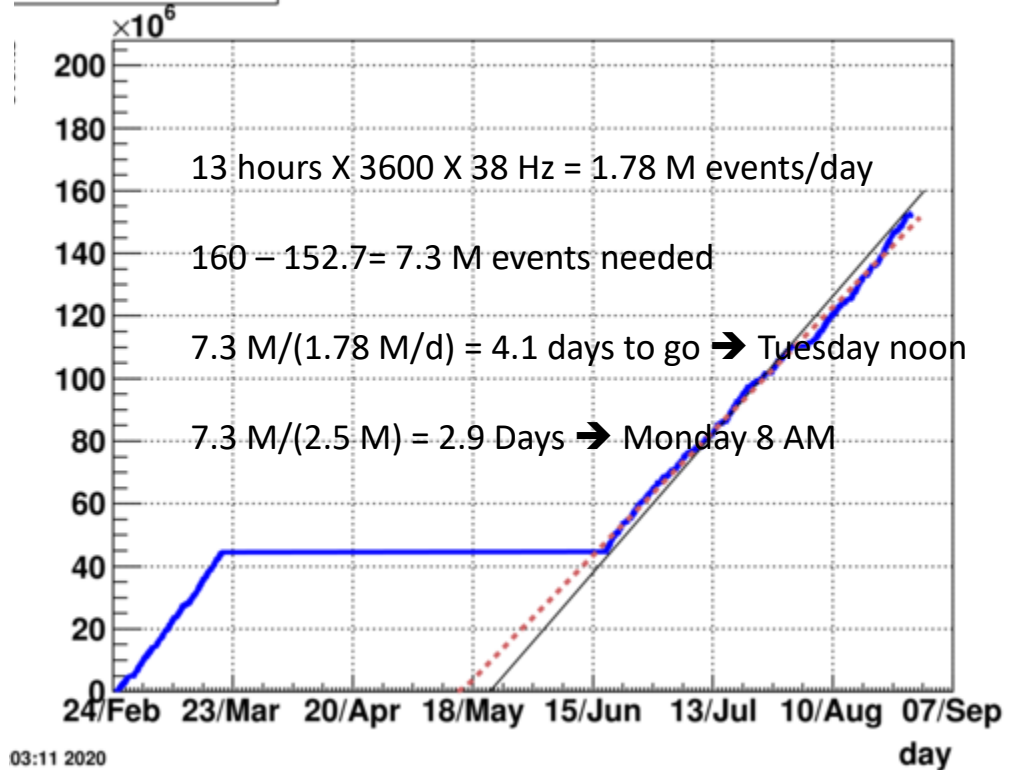


- Last week, average hours per day was 14.5.
- HLTgood average event rate has been up. Now using 38 Hz for projections
- Currently 152.7 M, Projected finish Sep. 01st.

minbias-hlt-effective Average Rate [Hz]



as-hlt-effective



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 6.7 hours of data taking
- ➔ Eight physics runs: Run numbers 21240017, 018, 019, 022, 023, 024, 027, 028
- ➔ (24 runs taken so far this year)

- ➔ Recorded 36.52 M HLTgood event at 26.5 (7.2) GeV (69.6 M take this year so far)

- ➔ Recorded 48.4 M minbias triggers ➔ about 75% HLTgood rate (as expected)

September 2nd – 14th

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

Tuesday June 01st – 9.2 GeV complete (160 M) – Planning to end 9.2 operations at 8AM

Wednesday to Friday – Turn up LEReC for 7.7 GeV Collisions

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

Tuesday to Friday – CEC time 8 AM – 12 PM (might get some 26.5 GeV FXT), 7.7 overnight

No longer under discussion – RHIC test at 2.5 GeV

Monday September 14th – End of beam operations.

Summary

- 9.2 GeV running has been good this past week
- Should finish 9.2 GeV in early September (September 1st)
- Accumulated 37 M FXT event at 26.5 (7.2) GeV Thursday
- Schedule for 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 1 st	21029051	21032016	108 M	100 M
19.5 FXT	Feb 1 st	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 1 st	21055032	21000000	152.7 M	160 M
7.7 GeV	Jun	June	21000000	21000000	0 M	none
26.5 FXT	July 29 th	TBD	21211028		69.6 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