

# Machine and Run Status

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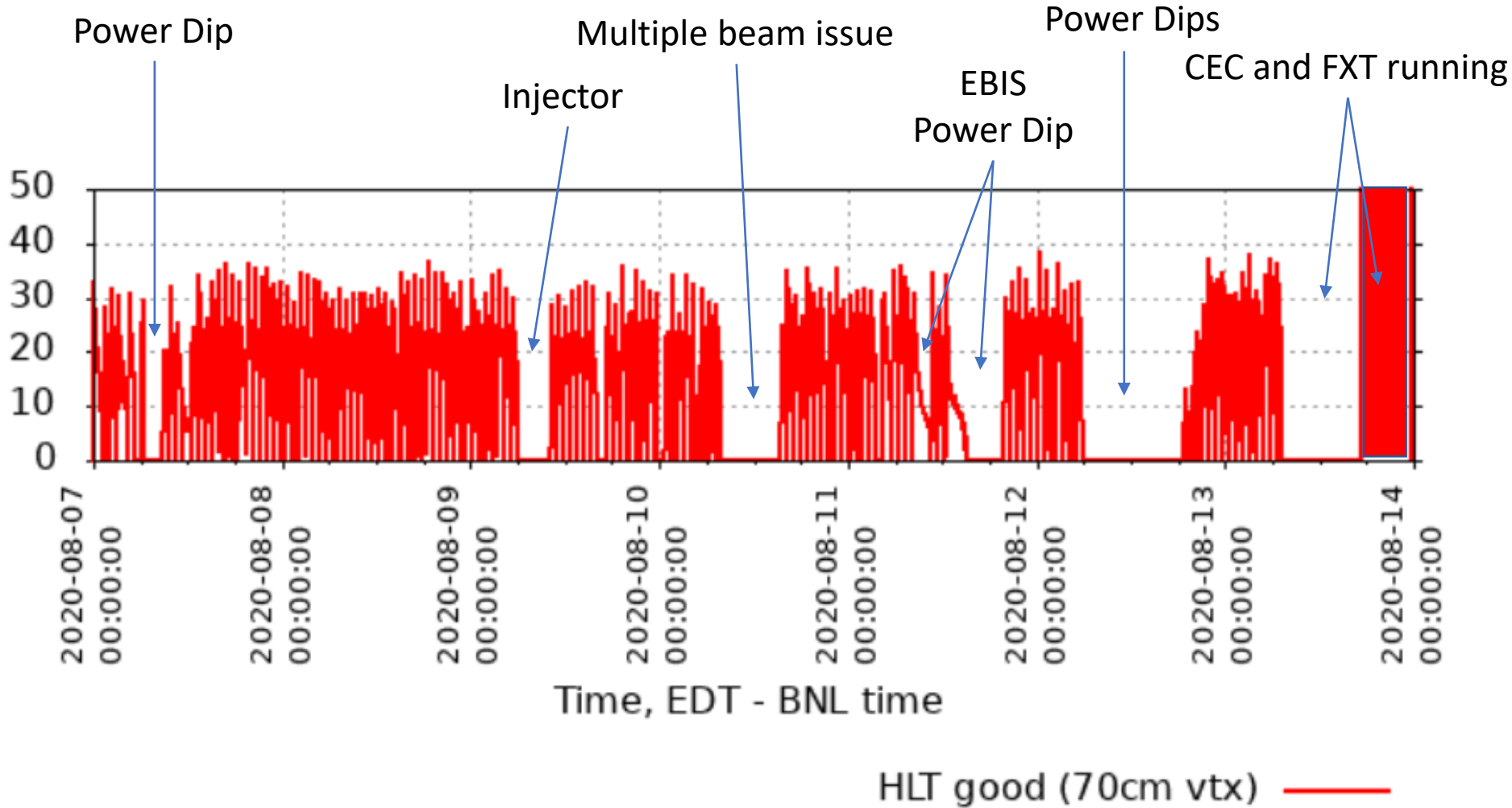
04-August-2020

Run 2020(b)

- **9.2 GeV collisions**

# 9.2 GeV collisions Run Status

*Main breaks for the past week came from weather and CEC timesharing*

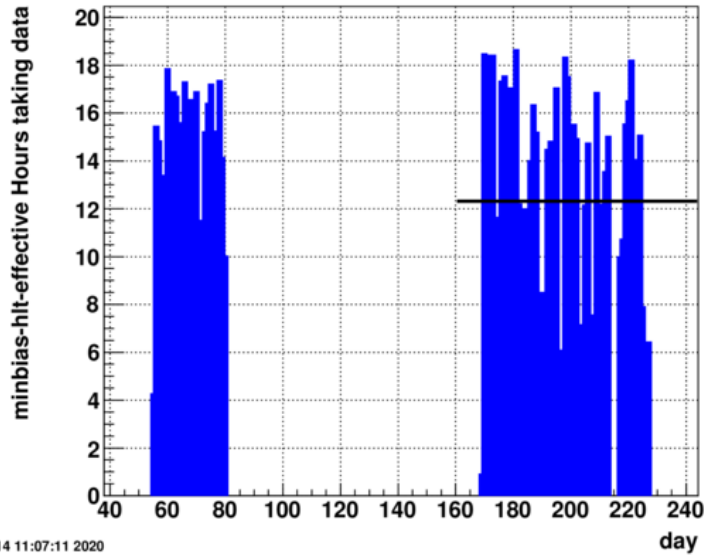


# Review of the Past Week

Day	Hours of data taking	Number HLTgood Events	Issues	Hours down
Friday, Aug 07	16.5	1.83 M	Power Dip	4
Saturday, Aug 08	18.2	2.22 M		
Sunday, Aug 09	14.1	1.70 M	Injector Issue	4
Monday, Aug 10	11.7	1.40 M	Access, multiple beam issues	7
Tuesday, Aug 11	15.1	1.66 M	EBIS then power dip	4
Wednesday, Aug 12	7.9	0.91 M	Power Dips	13
Thursday, Aug 13	5.1	0.70 M	CEC (with parasitic FXT at 26.5)	16

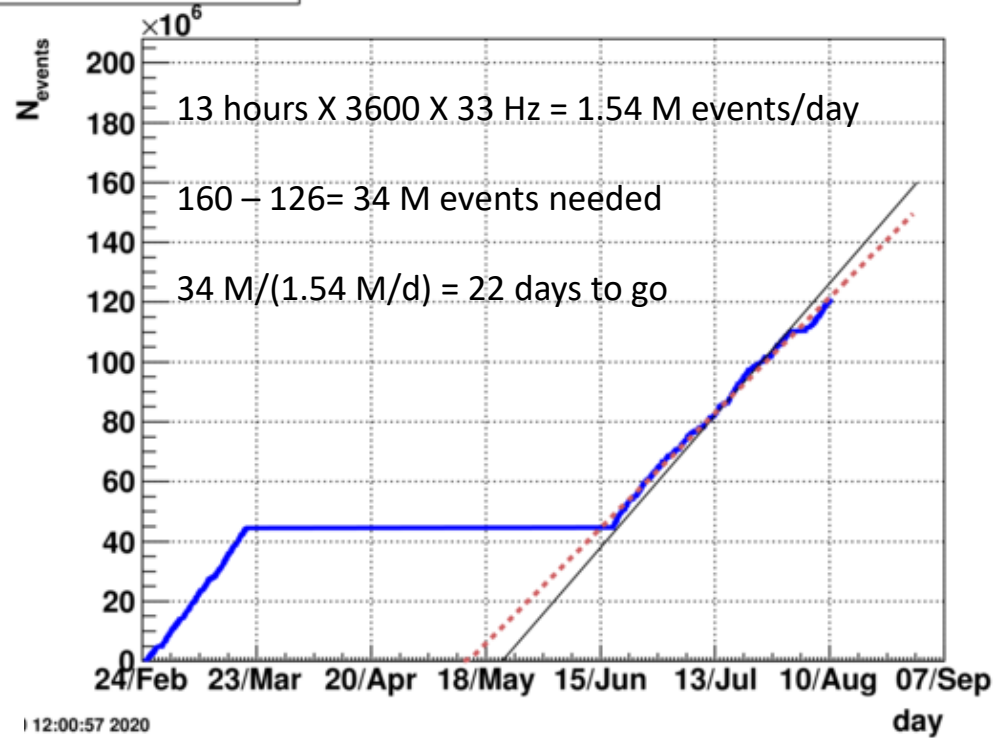
# 9.2 GeV collisions Run Status

hours\_perday\_mb\_hlt-effective.txt

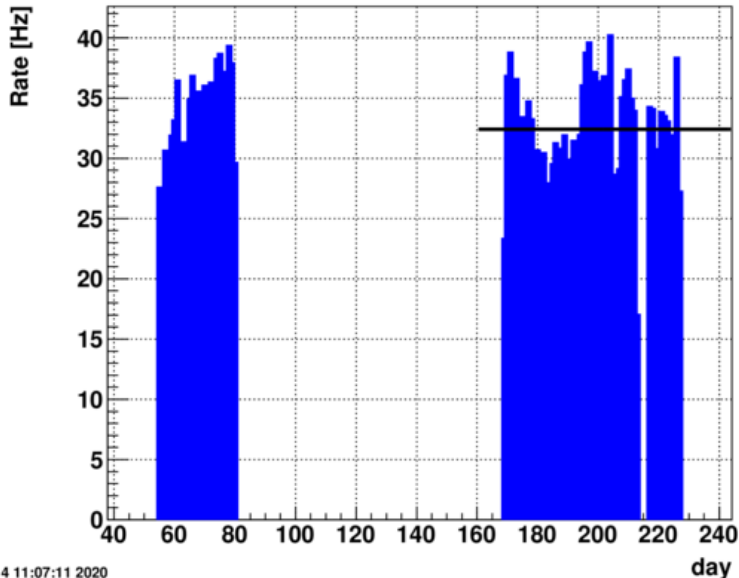


- Last week, average hours per day was 12.65.
- HLTgood average event rate was up yesterday.
- Currently 126 M, Projected finish Sep. 05<sup>th</sup>.

minbias-hlt-effective



minbias-hlt-effective Average Rate [Hz]

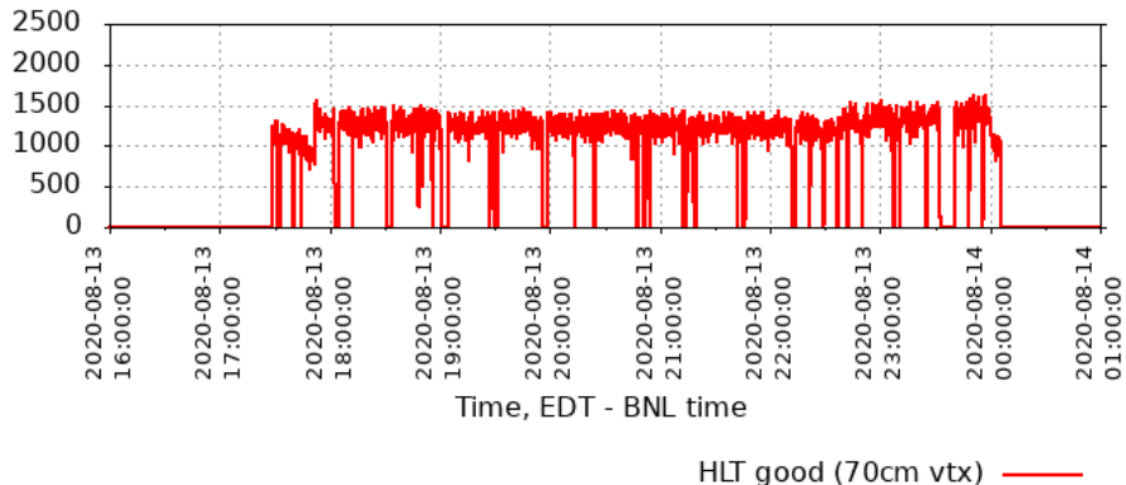


# FXT running during CEC

Parasitic running during CeC time

The option is FXT at 26.5 (7.2) GeV

- ➔ This week took FXT data for about 7 hours (17:32 to 23:59)
- ➔ Runs numbers 21226023 through 21226035
- ➔ Recorded 25.8 M HLTgood event at 26.5 (7.2) GeV (on target for 100 M in 24 hours)
- ➔ Recorded 36 M triggers ➔ about 72% HLTgood rate



# Summary

- 9.2 GeV running has been poor this past week
- Should finish 9.2 GeV in early September (September 5<sup>th</sup>)
- Accumulated 25.8 M FXT event at 26.5 (7.2) GeV yesterday
- Data QA will be more challenging this week due to STAR detector issues.

# 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 <sup>th</sup>	Feb 24 <sup>th</sup>	20056032	21055017	1235 M	230 M
31.2 FXT	Jan 28 <sup>th</sup>	Jan 29 <sup>th</sup>	21028011	21029037	112.5 M	100 M
9.8 FXT	Jan29 <sup>th</sup>	Feb 1 <sup>st</sup>	21029051	21032016	108 M	100 M
19.5 FXT	Feb 1 <sup>st</sup>	Feb 2 <sup>nd</sup>	21032049	21033017	118 M	100 M
13.5 FXT	Feb 2 <sup>nd</sup>	Feb 3 <sup>rd</sup>	21033026	21034013	103 M	100 M
7.3 FXT	Feb 4 <sup>th</sup>	Feb 5 <sup>th</sup>	21035003	21036013	117 M	100 M
5.75 FXT	Feb 13 <sup>th</sup>	Feb 14 <sup>th</sup>	21044023	21045011	115.6 M	100 M
9.2 GeV	Jan 30 <sup>th</sup>	Sep?? <sup>th</sup>	21055032	21000000	125.9 M	160 M
7.7 GeV	Jun	June	21000000	21000000	0 M	none
26.5 FXT	July 29 <sup>th</sup>	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