

Machine and Run Status

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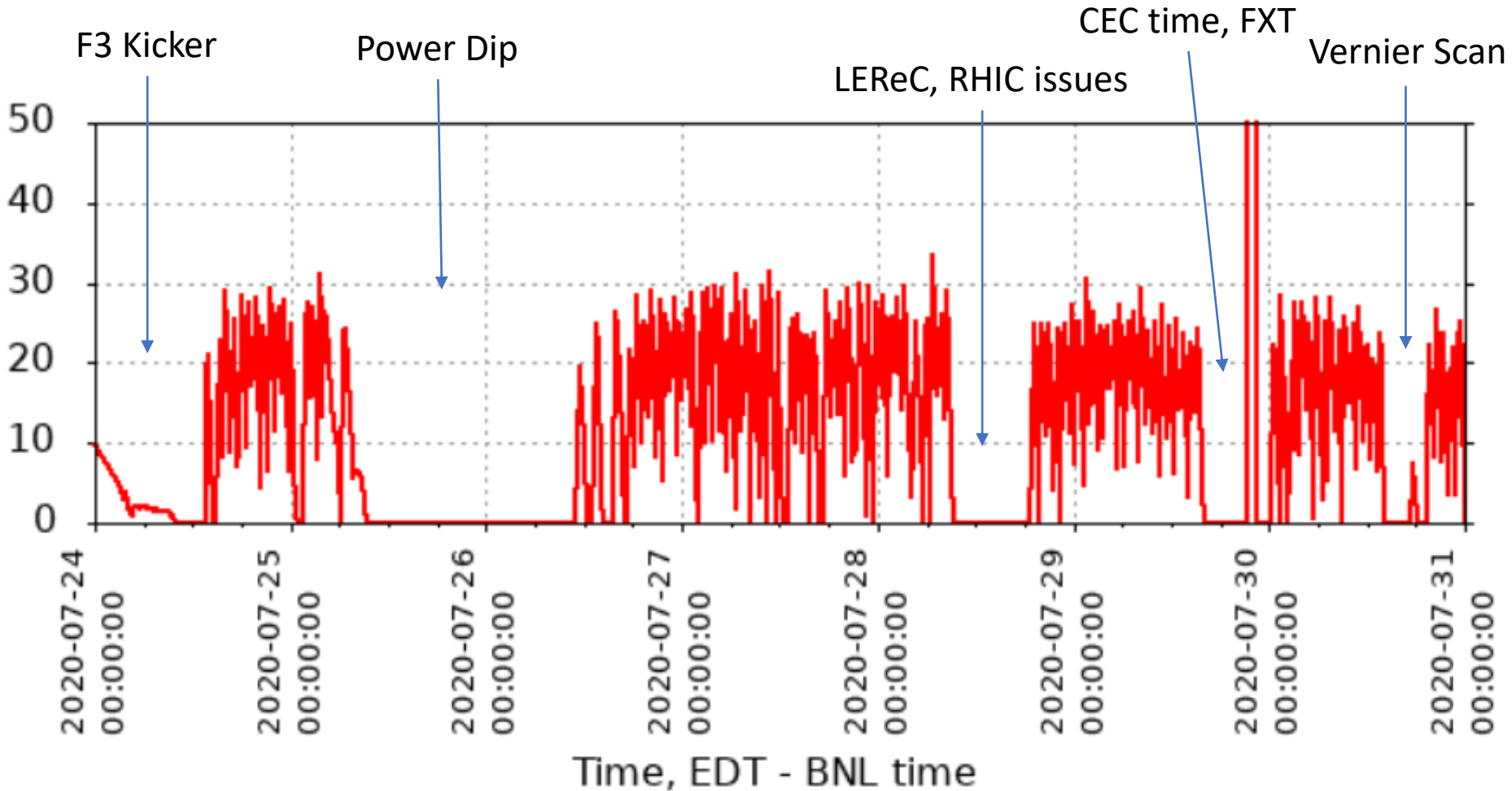
24-July-2020

Run 2020(b)

- **9.2 GeV collisions**

9.2 GeV collisions Run Status

Main breaks for the past week came from time sharing with CEC, RHIC issues, and weather



Review of the Past Week

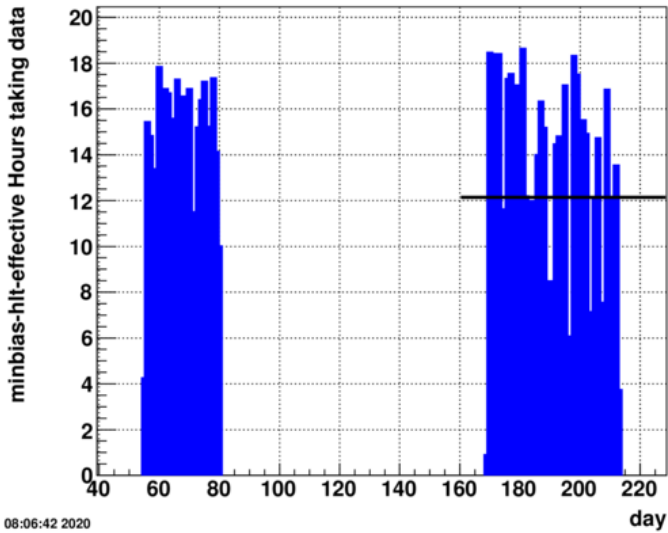
Day	Hours of data taking	Number HLTgood Events	Issues	Hours down
Friday, July 24	(14.8) 10	1.15 M	F3 Kicker problems	14
Saturday, July 25	5.6	0.59 M	Major Power dip (4 seconds)	14
Sunday, July 26	7.6	0.96 M	Recovering from power dip	11
Monday, July 27	16.9	2.22 M		
Tuesday, July 28	10.2	1.37 M	LEReC Cathode Change, RHIC	8
Wednesday, July 29	12.2	1.54 M	CeC (FXT)	8
Thursday, July 30	13.6	1.66 M	Vernier Scan	5

QA issues:

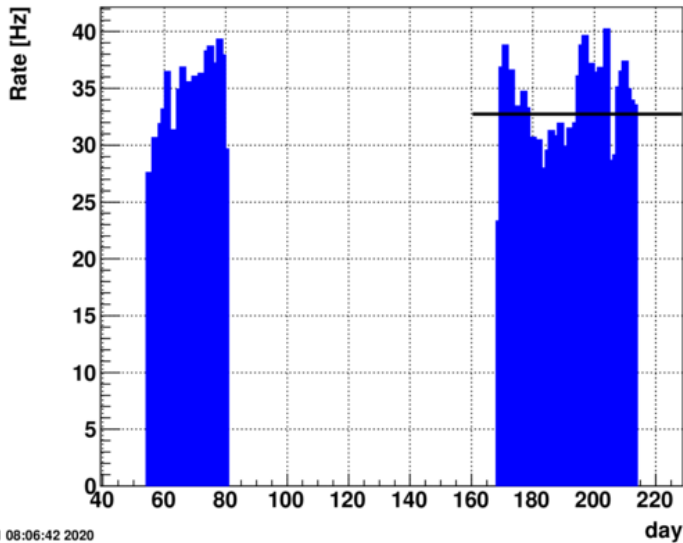
Backgrounds often high after downtime in physics running. This is being watched carefully

9.2 GeV collisions Run Status

hours_perday_mb_hlt-effective.txt

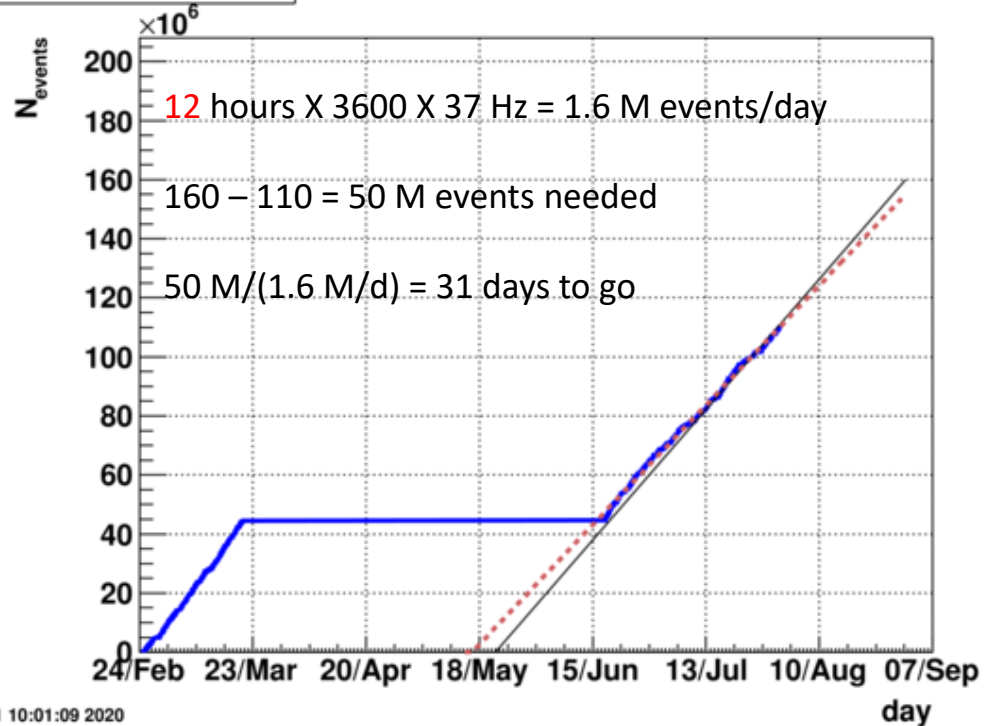


minbias-hlt-effective Average Rate [Hz]



- Last week, average hours per day was down to 10.9, this had been 15
- HLTgood average event rate is down a little, now lower 30's.
- Currently 110 M, Projected finish August 31st.

minbias-hlt-effective



FXT running during CEC

Parasitic running during CeC time is possible when CeC runs ions

The option is FXT at 26.5 (7.2) GeV

We set up and took one run on Wednesday night → 21211028 (2 M HLTgood events)

Summary

- 9.2 GeV running has been OK the past week
- Should finish 9.2 GeV around end of August
- One FXT run at 26.5 (7.2) GeV
- Data QA is essential to the success of the efforts to maintain the run

Overview of where we were in March

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	Aug?? th	21055032	21000000	100.0 M	160 M
7.7 GeV	Energy		HLTgood w/ eTOF		Target w/ eTOF	
26.5 FXT	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	
	5.75 FXT		99.4 M		70 M	
	26.5 FXT		1.96 M		1.7 M	

