

Machine and Run Status

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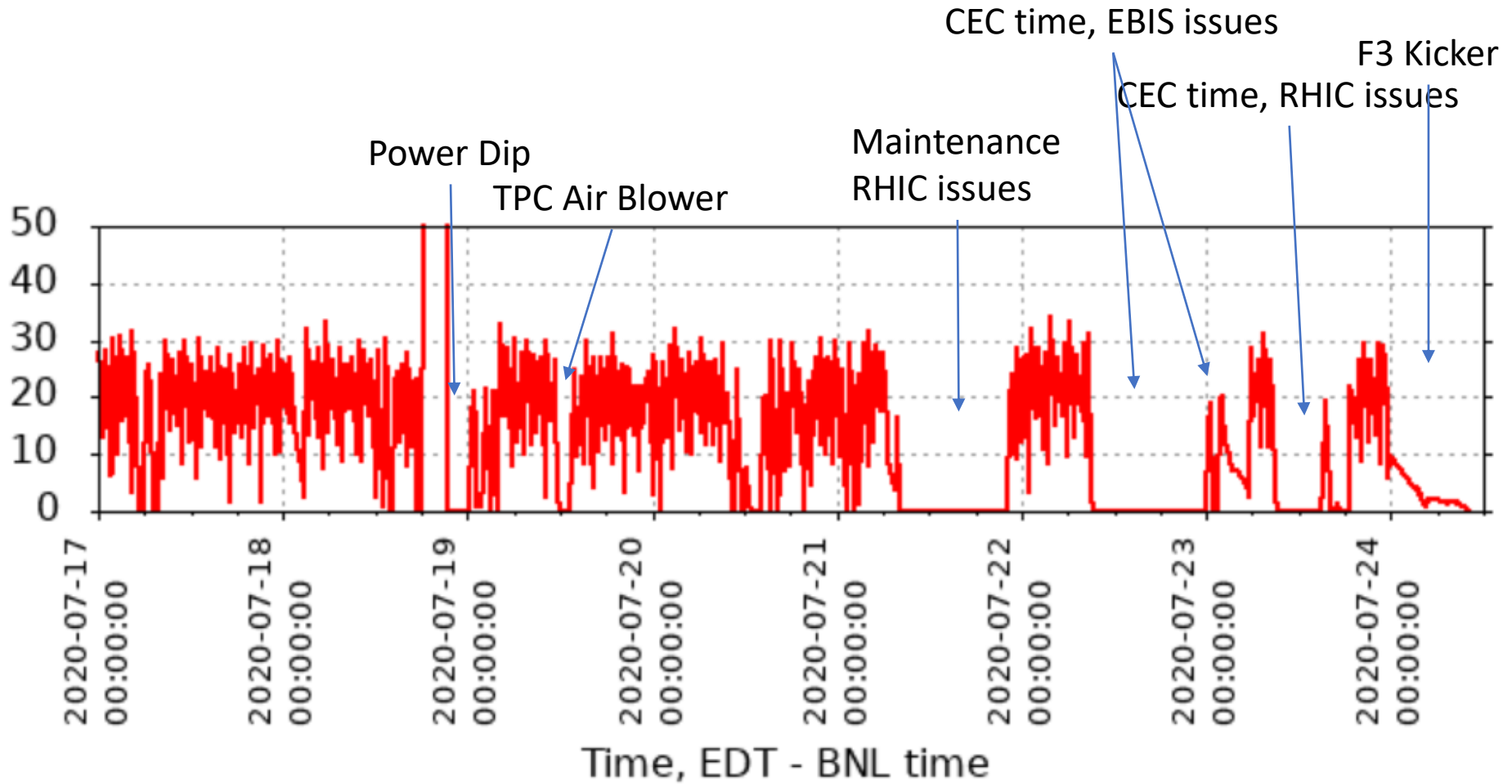
24-July-2020

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 and other CAD issues



Summer running and timesharing are hard

HLT good (70cm vtx) —

Review of the Past Week

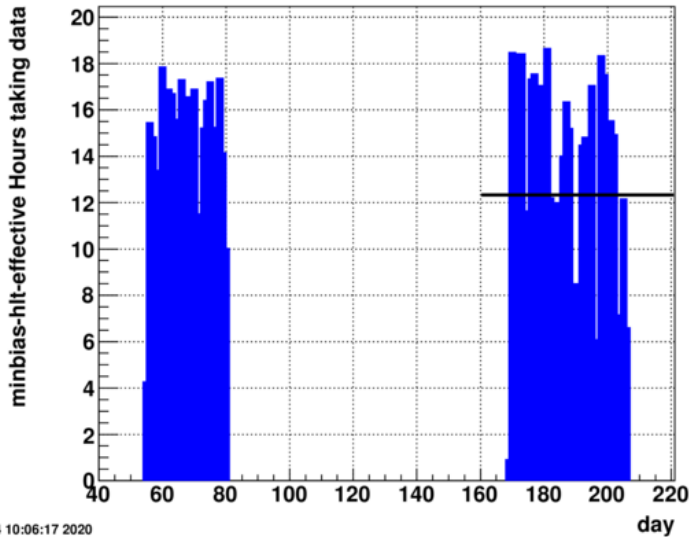
Day	Hours of data taking	Number HLTgood Events	Issues	Hours down
Friday July 17	17.5	2.35 M		
Saturday July 18	13.2	1.67 M	Small power dip	4
Sunday July 19	15.6	2.04 M	TPC Air Blower	2
Monday, July 20	15.0	1.98 M		
Tuesday July 21	6.7	0.82 M	Maintenance, RHIC issues	14
Wednesday, July 22	7.2	1.04 M	CEC, EBIS issue	13
Thursday, July 23	12.1	1.26 M	CEC, RHIC issues	8
Friday, July 24	ongoing	Ongoing	F3 Kicker problems	ongoing

QA issues:

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

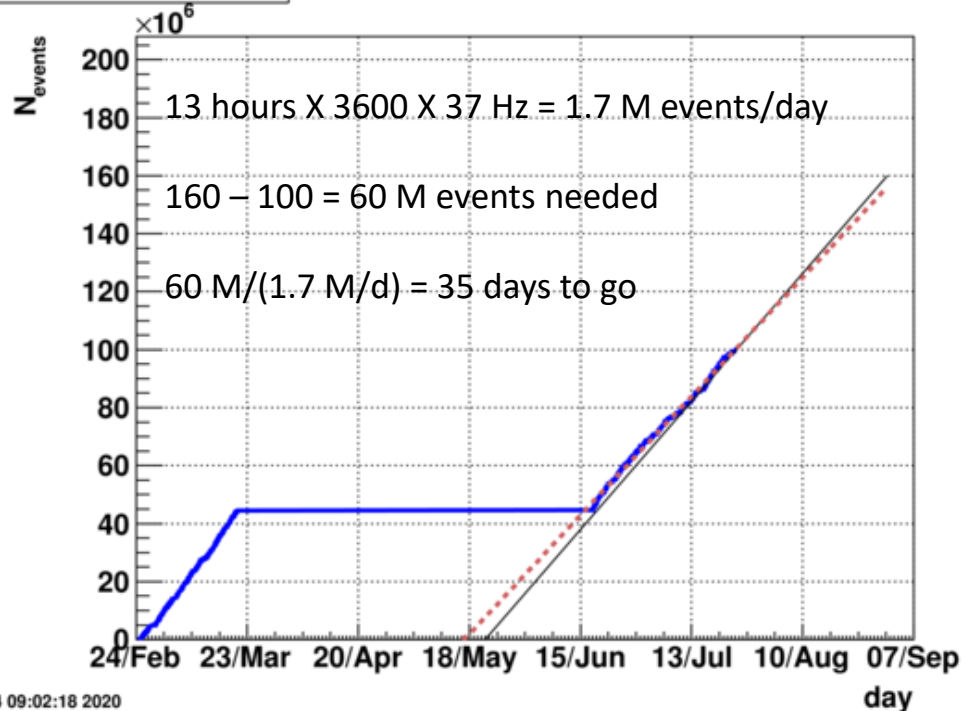
9.2 GeV collisions Run Status

hours_perday_mb_hlt-effective.txt

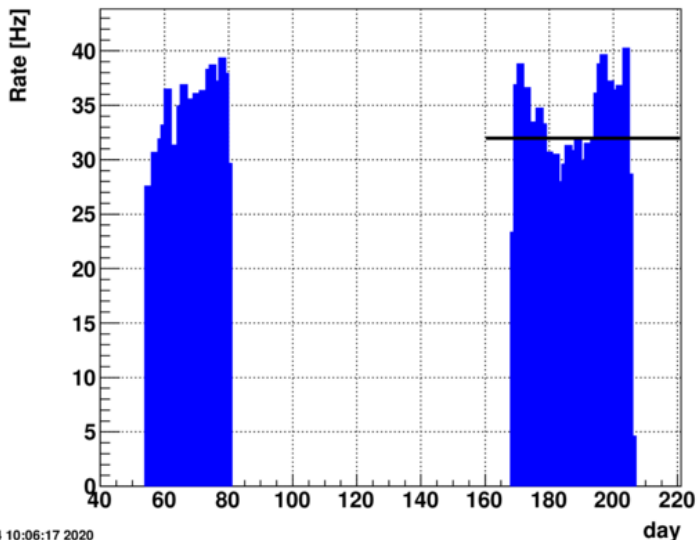


- Average hours per day is down to 12.5, this had been 15
- HLTgood average event rate is back to the upper 30's.
- Currently 100M, Projected finish August 28th.

minbias-hlt-effective



minbias-hlt-effective Average Rate [Hz]



Jul 24 09:02:18 2020

Summary

- 9.2 GeV running has been OK the past week
- Should finish 9.2 GeV around end of August
- 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		none
	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		