

Run 20 RHIC Machine/Experiments Meeting

March 24, 2020

Agenda:

- General discussion of Run 20 & 9.2 GeV run - W. Christie
- Collider Update/Status - C. Liu
- LEReC Update/Status - A. Fedotov
- STAR Status/update - J.H. Lee
- Update on CeC - Igor or Vladimir
- All Other Business (AOB)

BLUEJEANS CONNECTION INFO:

To join the meeting on a computer or mobile phone: <https://bluejeans.com/273705843/1875?src=calendarLink>

Phone Dial-in +1.408.740.7256 (US (San Jose))

+1.866.226.4650 (US Toll Free)

+1.408.317.9253 (US (Primary, San Jose))

Global Numbers: <http://bluejeans.com/numbers>

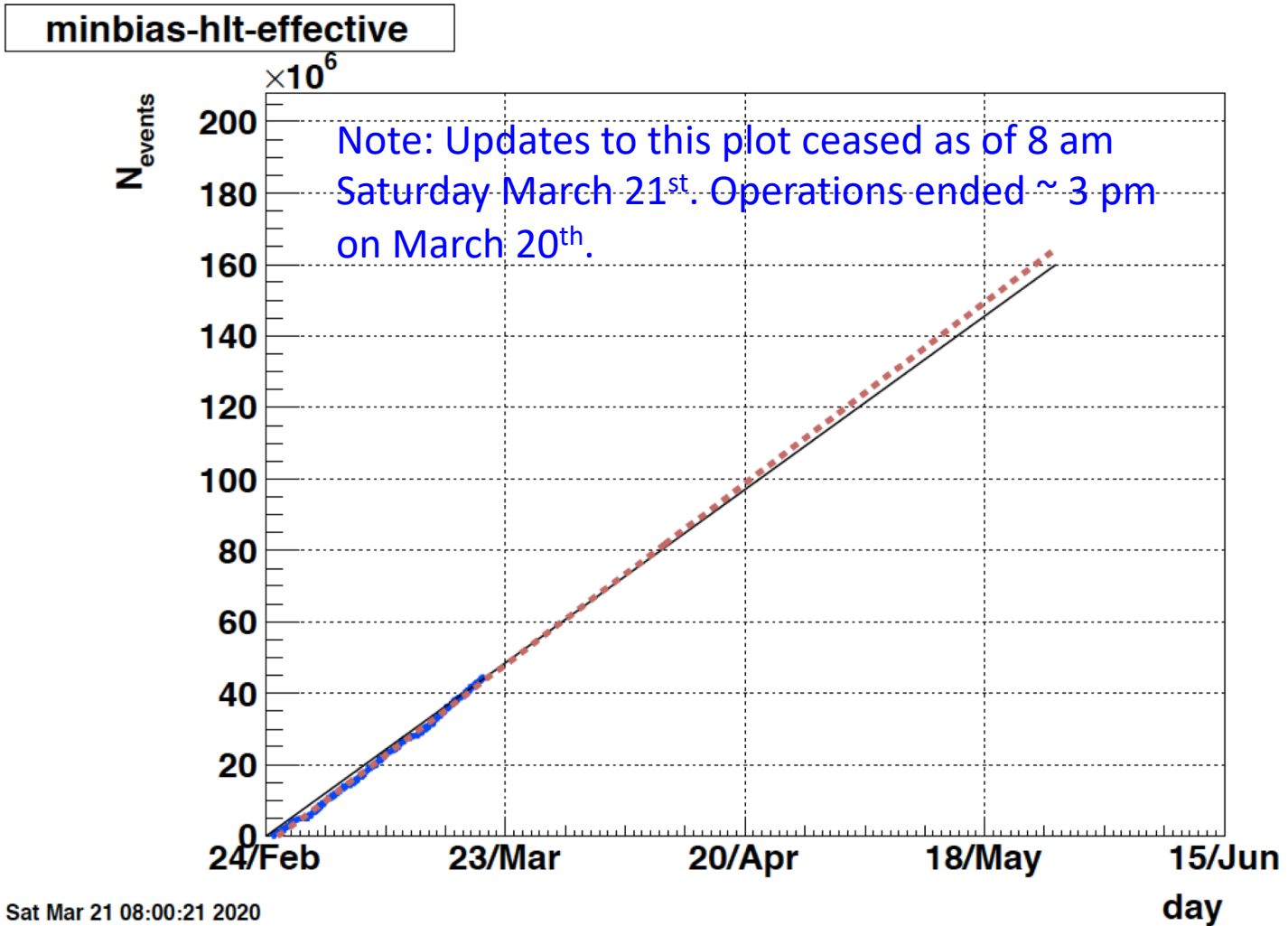
Meeting ID: 273 705 843

STAR Beam Use Request for Run20

	Beam Energy (GeV/nucleon)	$\sqrt{s_{NN}}$ (GeV)	μ_B (MeV)	Run Time	Number Events requested / collected	
	9.8	19.6	205	4.5 weeks	400M 582M	Done
	7.3	14.5	260	5.5 weeks	300M 324M	Done
Run20	5.75	11.5	315	9.5 weeks	230M ~ 235	Done
	4.55	9.1	370	9.5 weeks	160M ~ 44.6 Mevts	
	3.85	7.7	420	12 weeks	100M	
Run20	31.2	7.7 (FXT)	420	2 days	100M	Done
	19.5	6.2 (FXT)	487	2 days	100M	Done
	13.5	5.2 (FXT)	541	2 days	100M	Done
	9.8	4.5 (FXT)	589	2 days	100M	Done
	7.3	3.9 (FXT)	633	2 days	100M	Done
	5.75	3.5 (FXT)	666	2 days	100M	Done
	4.55	3.2 (FXT)	699	2 days	100M 201M	Done
	3.85	3.0 (FXT)	721	2 days	100M 3.7M+300M (run18)	Done

- Top priority for Run20 is measuring next two energies in BES-II at $\sqrt{s_{NN}} = 11.5$ GeV and 9.2 GeV
- Finishing **fixed target** measurements at $\sqrt{s_{NN}} = 3.5, 3.9, 4.5, 5.2, 6.2, 7.7$ GeV

Until the need/decision to shutdown due to COVID-19, 9.2 GeV was progressing very well



Ignoring the CeC and LEReC commissioning, the projection showed an estimate of ~May 23rd to reach the 9.2 GeV data set goal.

A Calendar as a possible aid for discussion

January						
Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

February						
Su	Mo	Tu	We	Th	Fr	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

March						
Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

April						
Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

May						
Su	Mo	Tu	We	Th	Fr	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

June						
Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

Start 9.2 GeV Physics running Monday evening, February 25th.

9.2 GeV running stopped, due to COVID-19 response, on March 20th.

As of Monday afternoon, BNL is in the Minimum Safe Operating (min-safe) mode. This means that only “Essential” personnel are allowed on site.

All Other Business (AOB)

- RHIC Operations were ended Friday afternoon, March 20th, so that BNL could start an immediate transition to a minimum safe operating state (min-safe) ASAP.
- Proposal for discussion today is that this weekly RHIC Coordination meeting gets suspended until further notice.