## **RUN 11 RHIC MACHINE/EXPERIMENTS MEETING**

7 Dec 2010

Agenda:

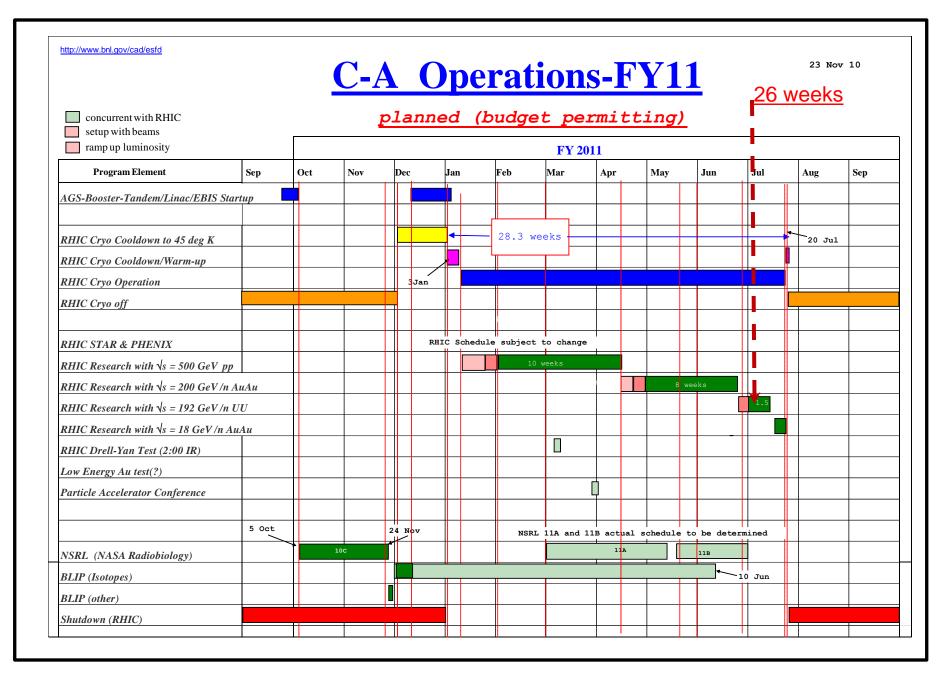
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## **RUN 11 RHIC MACHINE/EXPERIMENTS MEETING**

## DECISIONS

11/23/2010

• Agreed to new APEX schedule, 12 hour sessions (0800-2400) every other week away from maintenance days.

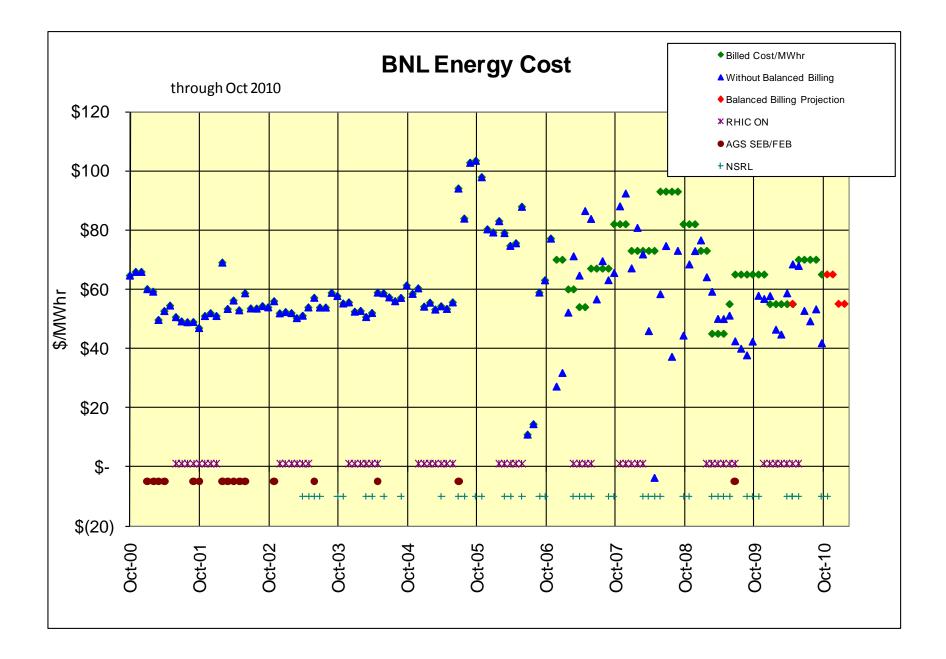


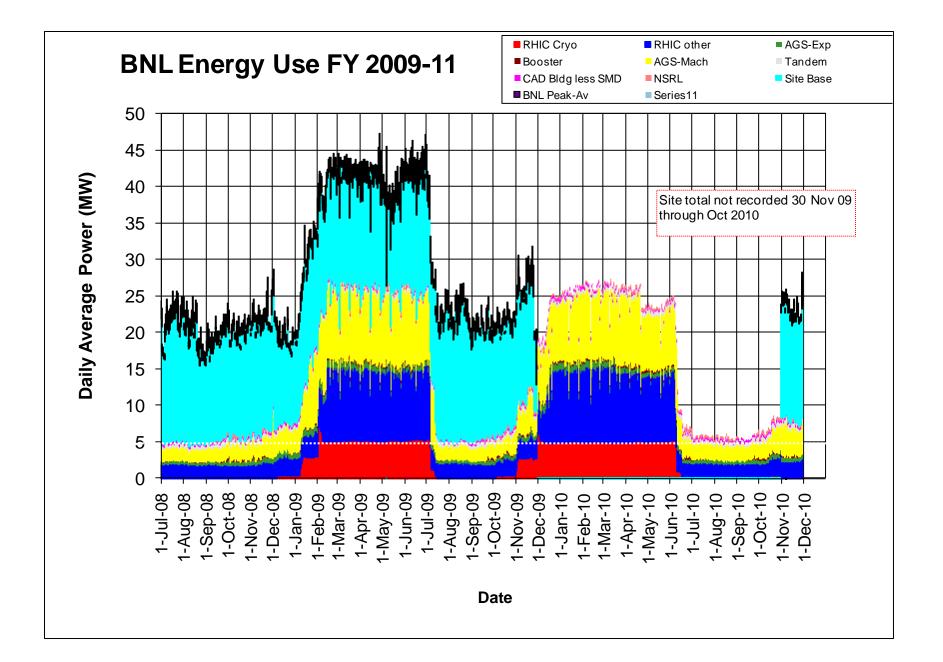
## Run 11 Plan based on PAC recommendation/ALD Guidance and 28.3 weeks cryo operation 11/23/10 update

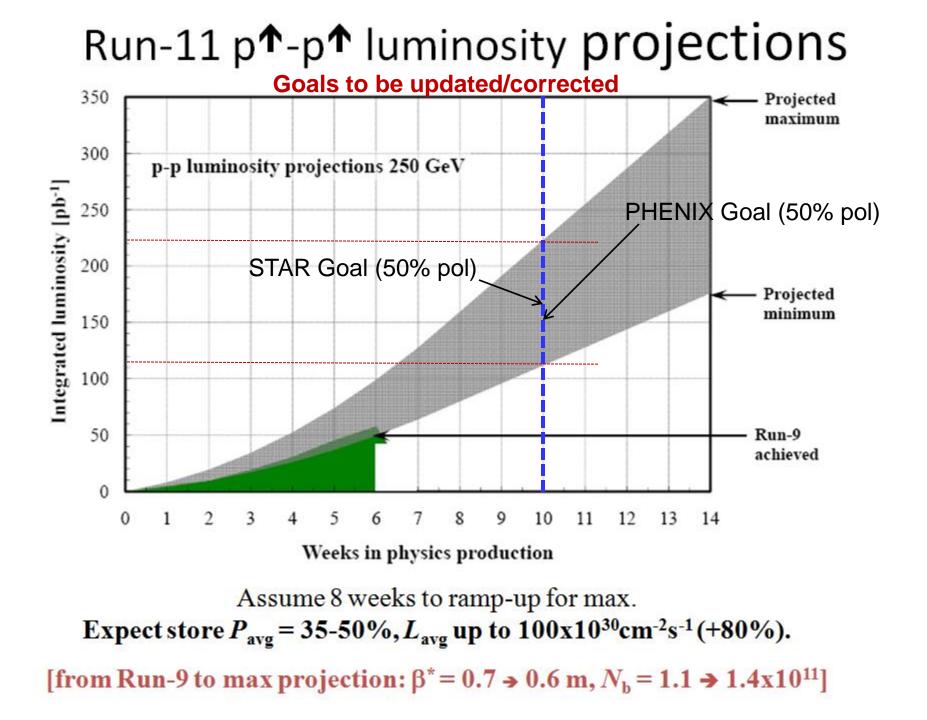
- 3 Jan, Begin cool-down to 4.5K
- 9 Jan, Cool-down to 4.5K complete in both rings
- 11 Jan, 2  $\frac{1}{2}$  weeks beam setup for  $\sqrt{s} = 500$  GeV pp in RHIC begins.
- 27 Jan (Thursday), 1 week Ramp-up with 8 hr/night beam to experiments
- 3 Feb, begin 10 week physics run (Vs = 500 GeV pp)
- 28 March 1 April, PAC 2011
- 14 Apr, end 10 week physics run at Vs = 500 GeV pp run
- 14 Apr, begin 1 week setup for  $\sqrt{s} = 200$  AuAu
- 21 Apr, begin 1 week Ramp-up with 8 hr/night beam to experiments
- 28 Apr, begin 8 week physics run at (Vs = 200 AuAu)
- 23 Jun, end 8 week  $\sqrt{s} = 200$  AuAu run
- 23 Jun, begin setup for  $\sqrt{s} = 192$  GeV UU
- 30 Jun, begin  $1\frac{1}{2}$  week physics run ( $\sqrt{s} = 192$  UU)
- <u>4 July completed 26 weeks of cryo operation, may be out of \$\$'s</u>
- 10 Jul, end  $1\frac{1}{2}$  week physics run at  $\sqrt{s} = 192$  GeV
- 10 Jul, begin setup for Vs = 18 GeV AuAu
- 11 Jul, begin 1 week physics run (Vs = 18 AuAu)
- 18 Jul, end 1 week physics run at Vs = 18 GeV
- 20 Jul, warm-up complete (28.3 weeks)

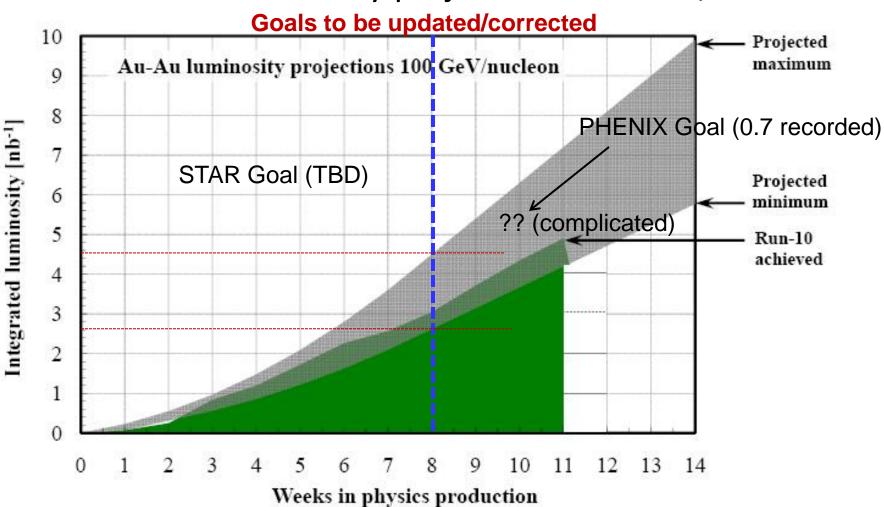
Possible additions:

Low energy test run









Run-11 Au-Au luminosity projections 100 GeV/nucleon

Assume 6 weeks to ramp-up for min, and 8 weeks for max (stoch. cooling re-commissioning). Expect  $L_{avg}$  up to  $25 \times 10^{26}$  cm<sup>-2</sup>s<sup>-1</sup> (+25%).

[from Run-10 to max:  $\beta^* = 0.75 \rightarrow 0.65$  m,  $N_b = 1.1 \rightarrow 1.1 \times 10^9$ , more cooling] Wolfram Fischer