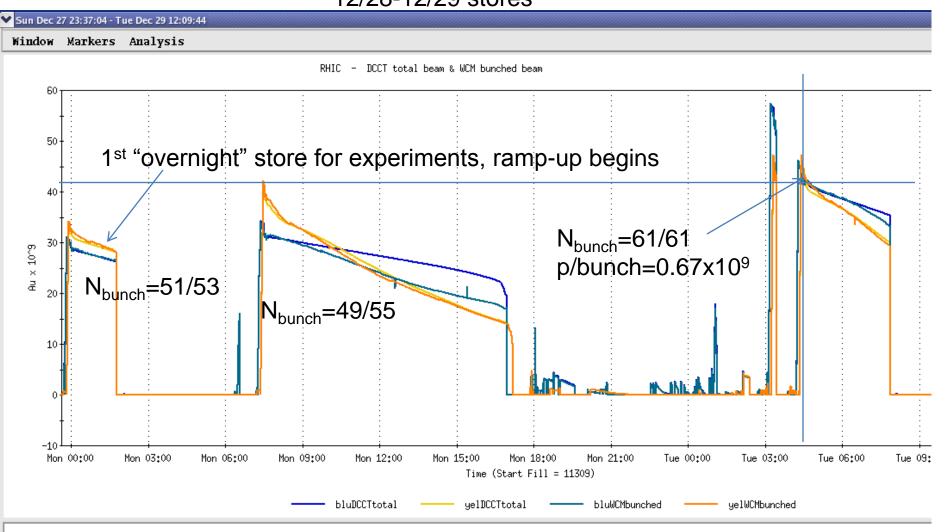
Possible Run 10 plan based on 25 Nov Revised Plan

- Run10, 25 cryo-weeks (my guesses after Dec 27)
 - Dec. 1, Begin cooldown to 4.5K
 - Dec. 4, Cooldown to 4.5K complete in both rings!
 - Dec. 5, beam setup in RHIC begins.
 - Dec 16, 20 hr unplanned Maintenance day
 - Dec 20 (AM)-21(PM), blizzard 09 shut us down
 - Dec. 27, RHIC Setup complete, begin Ramp Up for Physics (was 14 Dec, late)
 - Jan. 5 (maybe sooner!!!), Projected Physics start \sqrt{s} =200 GeV/n Au-Au (was 22 Dec, late)
 - Mar. 16, End 10 week \sqrt{s} = 200 GeV/n Run, begin \sqrt{s} = 62.4 GeV/n setup
 - Mar. 18, Begin 4 week \sqrt{s} = 62.4 GeV/n run
 - Apr. 15, End 4 week \sqrt{s} = 62.4 GeV/n Run, begin \sqrt{s} = 39 GeV/n setup
 - Apr. 17, Begin 1.5 week \sqrt{s} = 39 GeV/n run
 - Apr. 28, End 1.5 week \sqrt{s} = 39 GeV/n Run, begin \sqrt{s} = 7.7 GeV/n setup
 - Apr. 30, Begin 4 week \sqrt{s} = 7.7 GeV/n run
 - May 25, End 4 week \sqrt{s} = 7.7 GeV/n Run, begin \sqrt{s} = 5.0 GeV/n setup − 25 CRYO WEEK

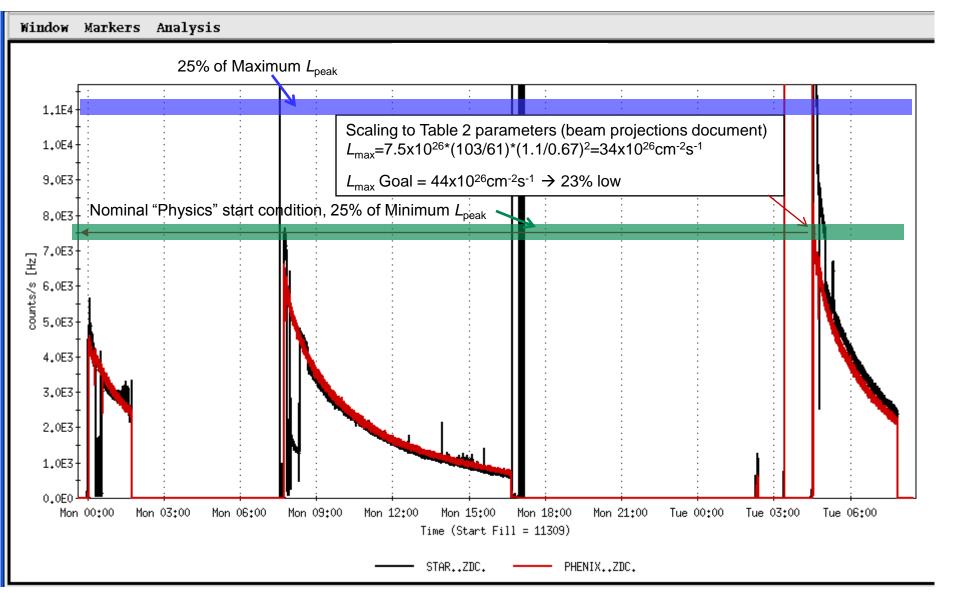
This is it unless we have \$'s to run longer - revisit in March

- May 28, End 4 week \sqrt{s} = 7.7 GeV/n Run, begin \sqrt{s} = 5.0 GeV/n setup
- May 30, begin 0.5 week beam studies at \sqrt{s} = 5 GeV/n and v ~ 0.67
- Jun 3, end 0.5 week studies
- Jun 5, begin \sqrt{s} = 11.5 GeV/n for STAR
- Jun 19, end 2 week \sqrt{s} = 11.5 GeV/n run
- Jun 20, Begin Cryo Warm-up
- Jun 21, Warm-up complete, 25 week run ends 28.9 CRYO WEEKS

12/28-12/29 stores

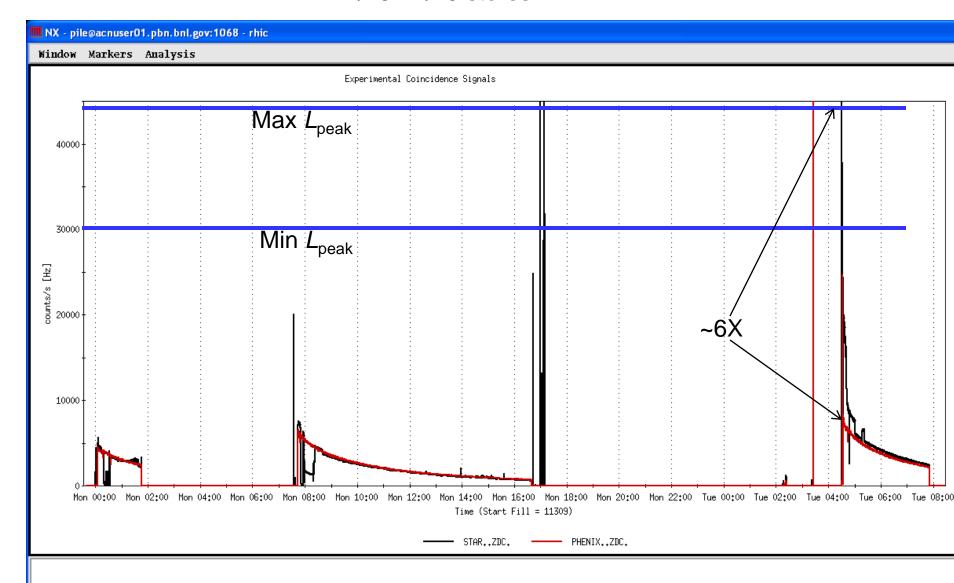


12/28-12/29 stores

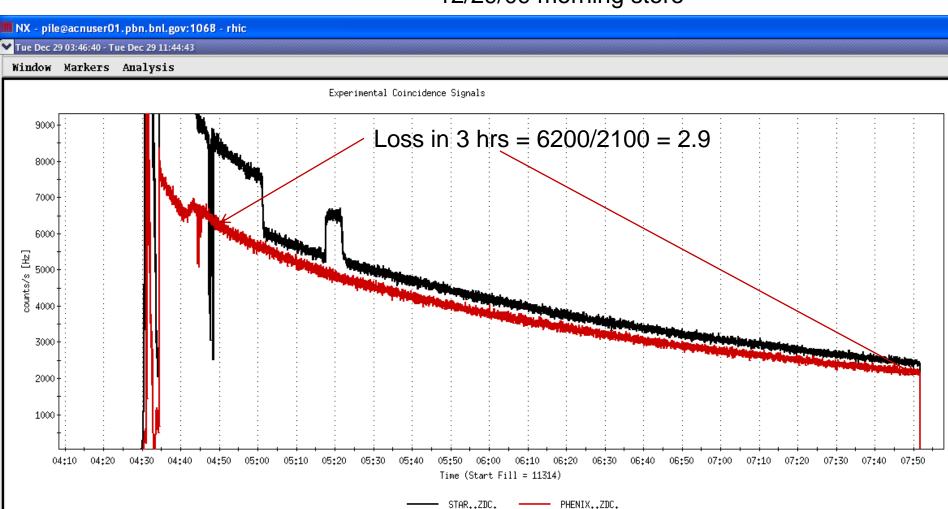


Assumes $L [10^{26} \text{ cm}^{-2} \text{ s}^{-1}] = \text{ZDC[kHz]}$

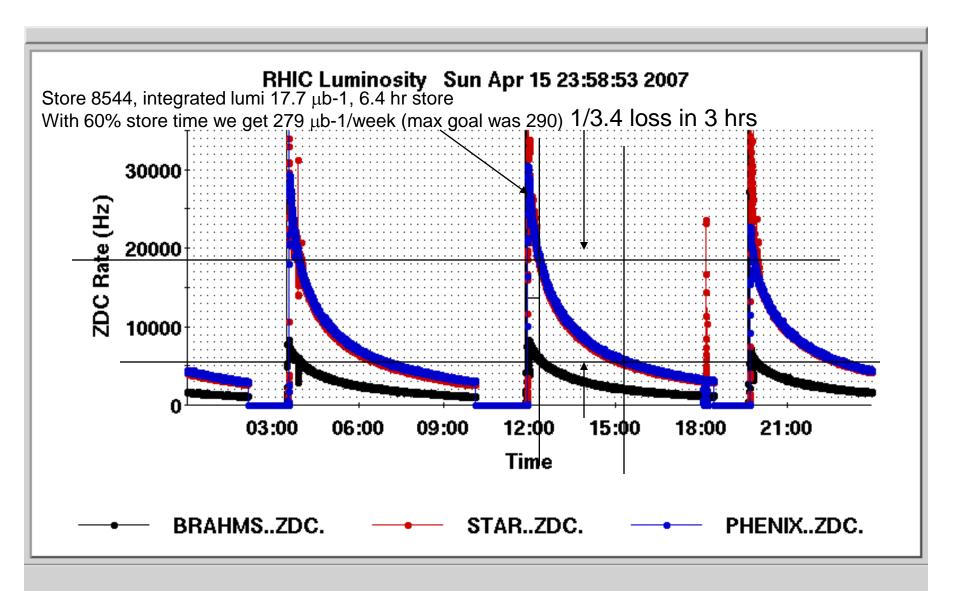
12/28-12/29 stores



12/29/09 morning store



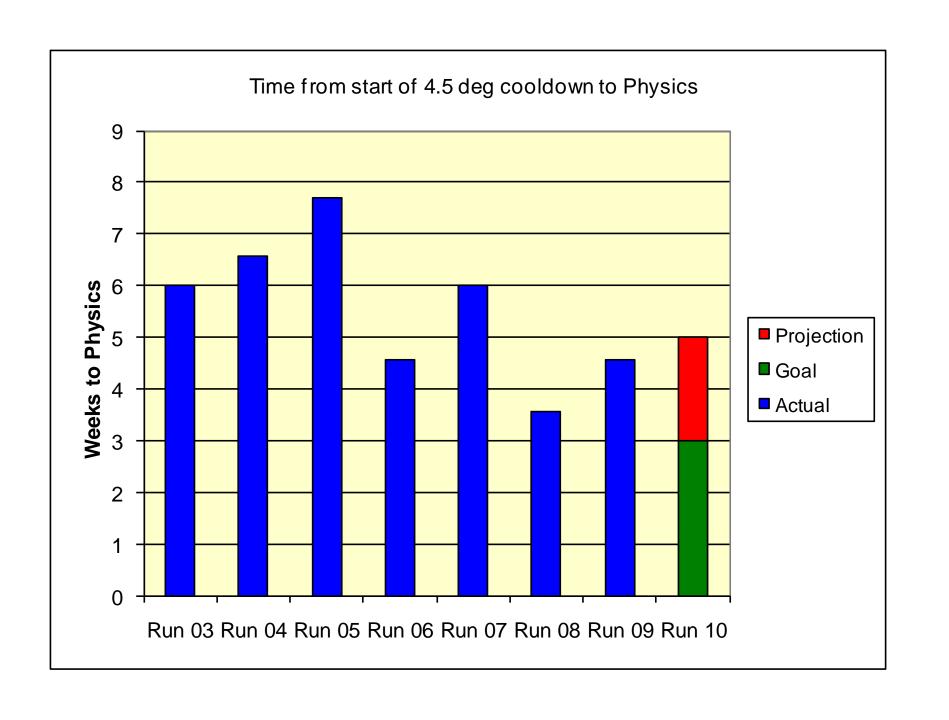
 $L[10^{26} \text{ cm}^{-2} \text{ s}^{-1}] = ZDC[kHz]$



Future Topics

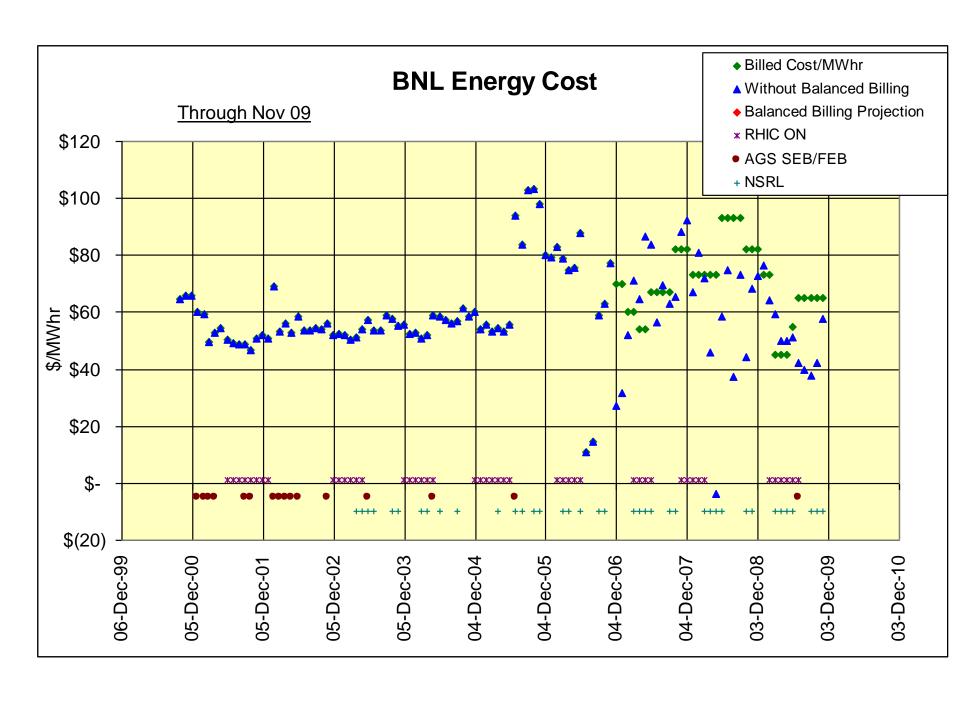
• Toward Smaller beta* - new quad triplets - D. Trbojevic

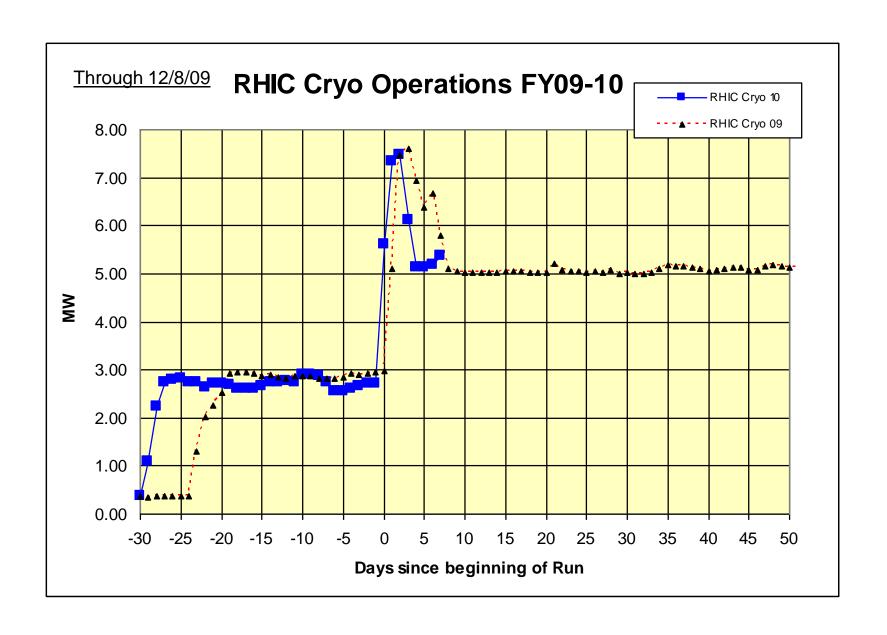
Archive

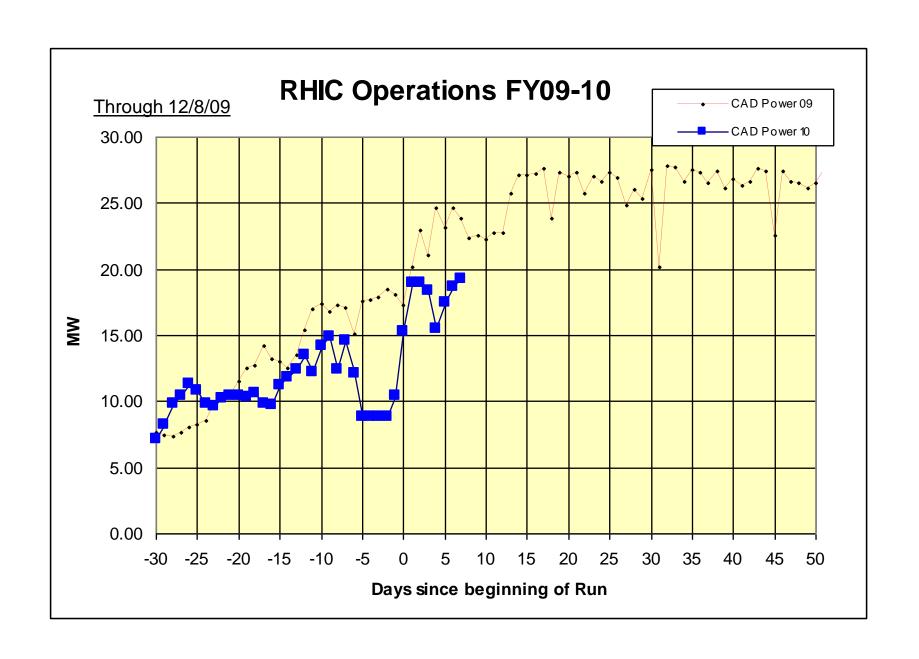


Revised Run 10 Plan, Nov 25, 2009

	Physics production or beam studies weeks	
$\sqrt{s_{NN}}$ (GeV)	25-cryoweek run	27-cryoweek run
200	10	10
62.4	4	4
39	1.5	1.5
27	0	0
18	0	0
11.5 @ STAR	0	2
7.7	4	4
Beam studies @ 5 GeV and @ v≈ 0.67	0.5	0.5







Run 10 Au-Au Goals

11/19/09

STAR

- $-\sqrt{s}$ = 200 GeV/n
 - Luminosity Sampled/Delivered = 2/4 nb⁻¹
 - 250M Central Events
 - 300M Min-bias events

PHENIX

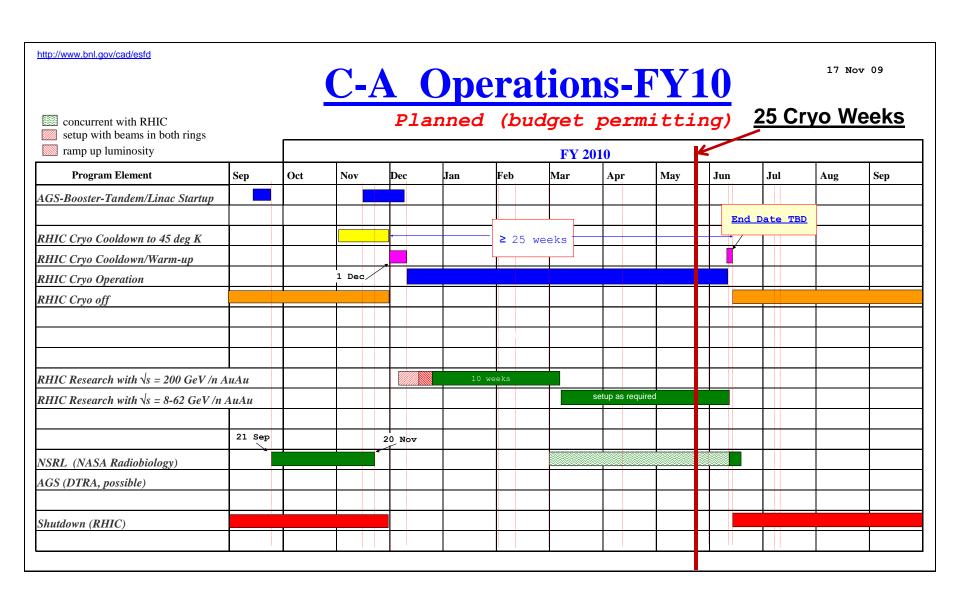
- $-\sqrt{s}$ = 200 GeV/n
 - Luminosity Recorded/Delivered = 1.4/>6 nb⁻¹
 - Minimum Goal:
 - Luminosity Recorded/Delivered = 1.1/3.9 nb⁻¹

Run 10 Setup

- Oct. 5, N2 scrubbing
- Oct. 30, Temp. Control devices in and ready (required for 45 K wave cooldown).
- Nov. 2, 45 K wave begins.
- Nov. 12, AGS Testing.
- Nov. 12-13, APEX Workshop
- Nov. 16, beam setup in Booster and AGS
- Nov. 16-20, RHIC Dry Run
- Nov 22, Beam extracted from AGS to W dump

Cryogenic Blue & Yellow Rings (14 days)

Ring Summary (1 day) Sector Plots (1 day) Sector Plots (14 days) Window Markers Analysis Blue Cryo Temperatures 250 200 150 100 Wednesday midnight 50 Sun 29 Mon 30 Tue 01 Wed 02 Thu 03 Fri 04 Sat 05 Sun 06 Mon 07 Tue 08 bi5-q21-tio bo3-q21-tio b2-tio b4-tio b12-tio bi1-q21-tio bo11-q21-tio b10-tio b6-tio bi9-q21-tio b8-tio bo7-q21-tio Yellow Cryo Temperatures 200 180 160 140 Thursday midnight 120 100 80 60 20 Tue 01 Sun 29 Mon 30 Wed 02 Thu 03 Fri 04 Sat 05 Sun 06 Mon 07 Tue 08 Time (Start Fill = 0) yi3-q21-tio y4-tio y2-tio yo1-q21-tio yi11-q21-tio y12-tio y10-tio yi7-q21-tio yo9-q21-tio y8-tio y6-tio



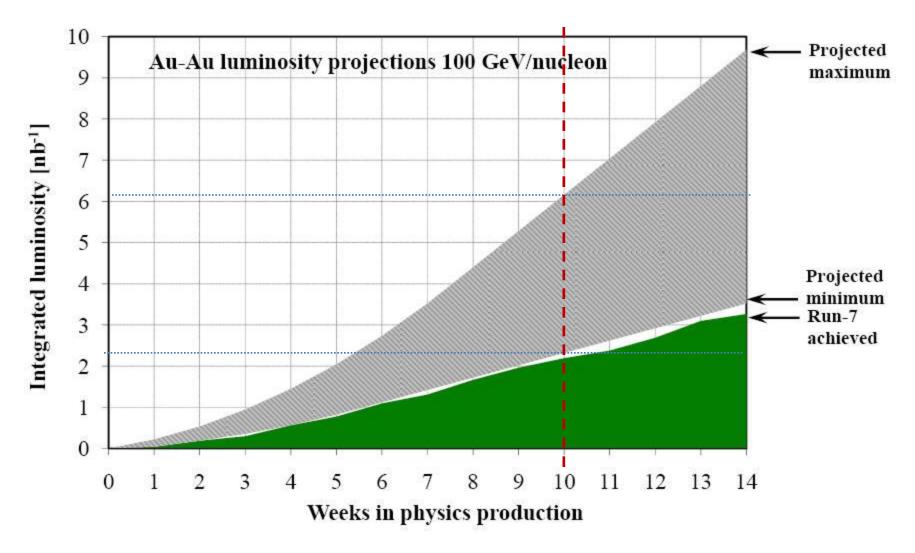


Figure 2: Projected minimum and maximum integrated luminosities for gold-gold collisions at 100 GeV beam energy, assuming linear weekly luminosity ramp-up in 6 weeks for the minimum and 8 weeks for the maximum.