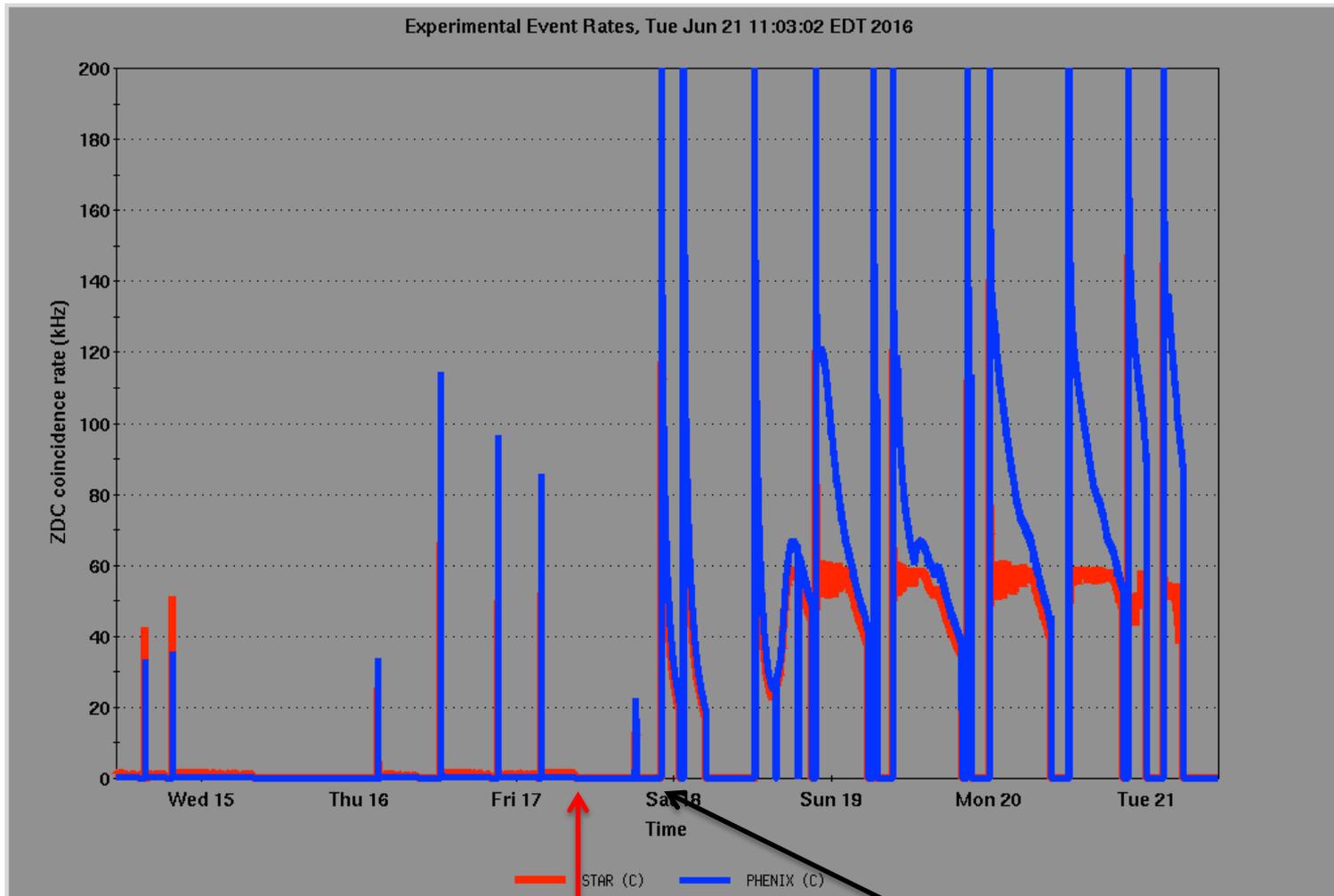


Last Time Meeting for RHIC Run 16

June 21, 2016.

W. Christie



End of 39 GeV dAu running at 8:45 am on Friday June 17th. 200 GeV AuAu Physics running starts Friday night June 17th

Run 16 plan based on 23.5 weeks cryo operation

and Fischer et.al. RHIC Collider Projections (FY 2016 – FY 2022), 19 April 2015

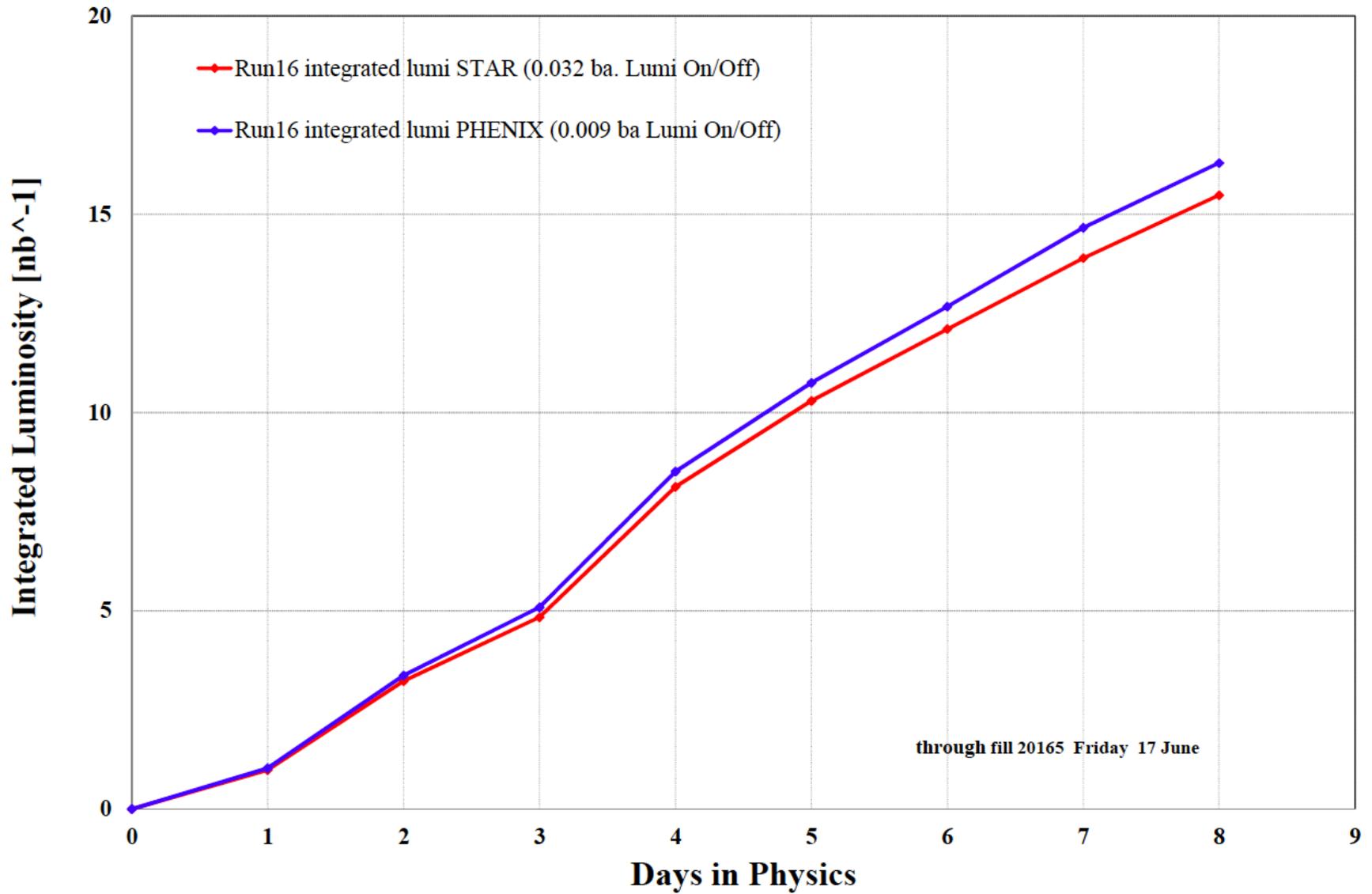
Today, June 21st

- 19 Jan, Begin cool-down to 4.5K
- 25 Jan, Beam in Yellow
- ~~22~~ 26 Jan, Beam in Blue
- ~~29 Jan~~, Feb 3, First Collisions
- ~~5~~ 7 Feb, Begin 10 week **$v_s=200$ GeV/n AuAu** physics run
- 7 am March 18th, RHIC Operations halted for Blue ring Diode issue
- 7 pm April 6th, RHIC Operations resumed (19.5 days offline)
- Decision made to add 19.5 days to the AuAu running to account for the Diode related down time
- 9 May, End 10 week (+ 2 days) $v_s=200$ GeV/n AuAu physics run
- 12 May, Begin 1 week **$v_s=200$ GeV/n dAu** physics run
- 20 May, End ~ 1 week $v_s=200$ GeV/n dAu physics run
- 21 May, Begin 1 week **$v_s=62$ GeV/n dAu** physics run
- 27 May, End ~ 1 week $v_s=62$ GeV/n dAu physics run
- 28 May, Begin 1.5 week **$v_s=19.6$ GeV/n dAu** physics run
- 8 June, End 1.5 week $v_s=19.6$ GeV/n dAu physics run
- 10 June, Begin 1 week **$v_s=39$ GeV/n dAu** physics run
- 17 June, End 1 week $v_s=39$ GeV/n dAu physics run
- 17 June, Begin ~ 8 day **Return to 200 GeV/n AuAu** physics run
- 27 June, End of 200 GeV/n AuAu physics run
- 27 June, begin cryo warm-up
- 1 July, Cryo warm-up complete, 23.5 cryo weeks of operation

See <http://www.rhichome.bnl.gov/AP/RHIC2016/> for the Run Coordinator's detailed plan

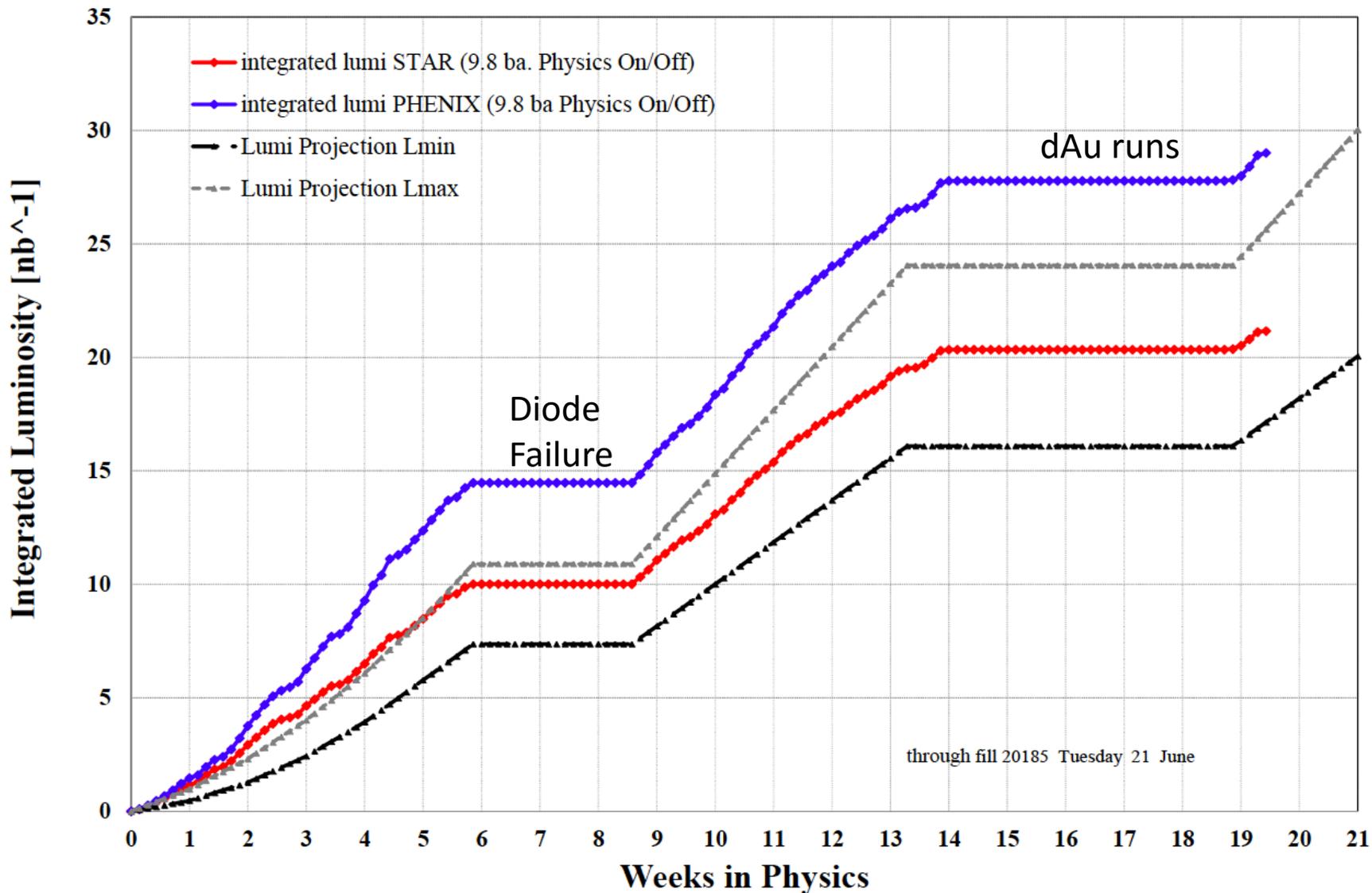
Run16 Delivered Luminosity

d x Au $\sqrt{s} = 39$ GeV



Run16 Delivered Luminosity

Au x Au $\sqrt{s} = 200$ GeV



SCHEDULE FOR WEEK FROM MONDAY June 20th – MONDAY June 27th

- **Monday (June 20th):**
 - Physics running
 - 2 hrs CeC access (swap cathode)
 - Physics running rest of day
- **Tuesday:**
 - Physics running all day
- **Wednesday:**
 - Physics running until 8:45 am
 - Dedicated CeC running (no beam in RHIC) from 9 am to 3 pm (some diode checking in parallel)
- **Thursday:**
 - Physics running essentially all day
 - 1 hour access for CeC to change cathodes
- **Friday**
 - Physics running until 7:45 am
 - 8 am to 8 pm, 12 hrs of dedicated CeC running (no beam in RHIC)
 - Diode checking and 56 MHz in parallel
 - Physics running rest of day
- **Saturday**
 - Physics running all day
- **Sunday**
 - Physics running all day
- **Monday (June 27th):**
 - Physics running until 7:45 am
 - **Beam Operations cease for Run 16. Cryo warm up begins**

Archive

PHENIX goals: 10 weeks, 1.8 nb^{-1} with 12 billion MB events recorded within $|z| < 10 \text{ cm}$ vertex, request dynamic β^* squeeze.

STAR goals: 13 weeks 10 nb^{-1} sampled for MTD and 2 billion MB events recorded within $|z| < 6 \text{ cm}$ for HFT

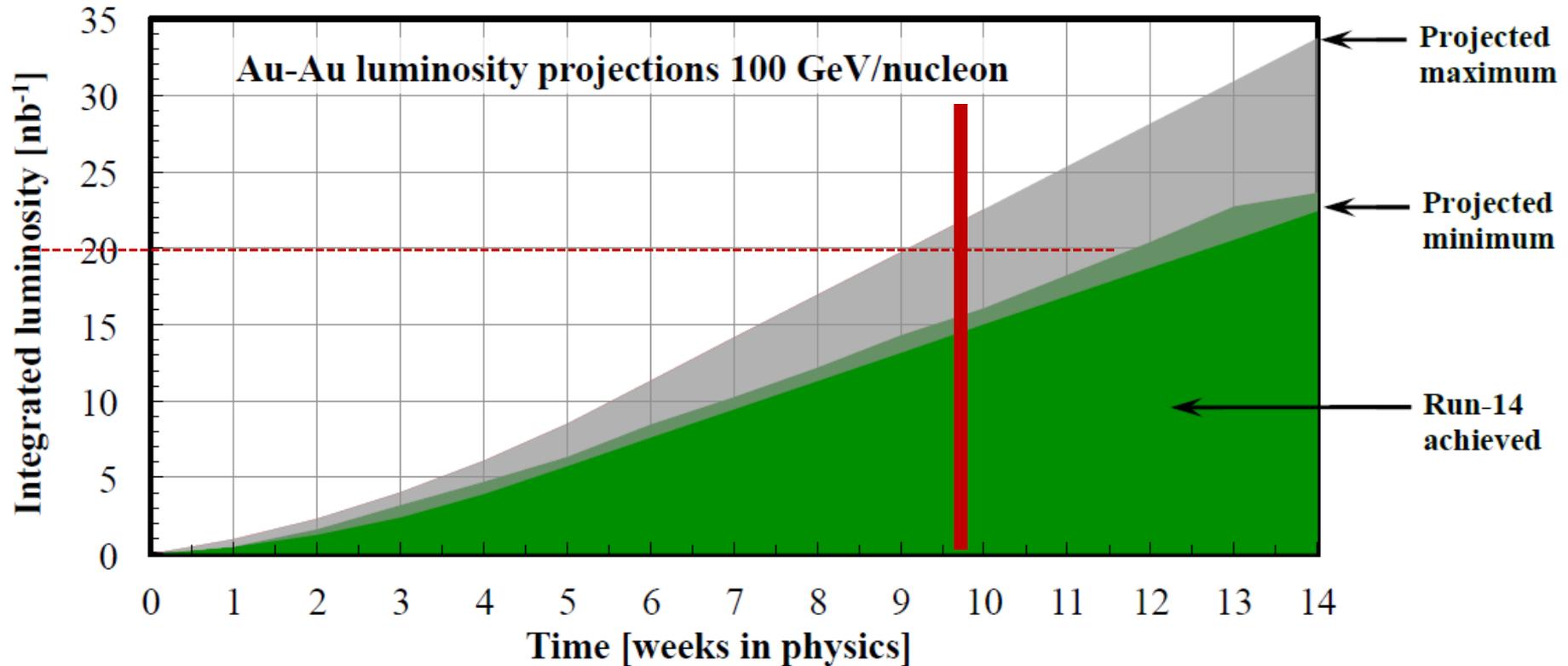


Figure 3: Projected minimum and maximum integrated luminosities for Au+Au collisions at 100 GeV/nucleon beam energy, assuming linear weekly luminosity ramp-up in 6 weeks.

From Fischer et. al., RHIC Collider Projections (FY 2016 – FY 2022), 19 April 2015

Who's Who for 2016

RHIC 100 x 100 GeV AuAu:

Run Coordinator: Xiaofeng Gu, xgu@bnl.gov , 631-344-4724

RHIC dAu Energy Scan:

Run Coordinator: Chuyu Liu, cliu1@bnl.gov , 631-344-4431

RHIC CeC POP Experiment:

Run Coordinator: TBD

Scheduling Physicist: Bill Christie, christie@bnl.gov, 631-344-7137 (x4643 after 29 Jan)

AGS Liaison:

Haixin Huang, huanghai@bnl.gov , 631-344-5446