

Run 16 RHIC Machine/Experiments Meeting

June 21, 2016

Agenda:

- Schedule for the remainder of Run 16
 - AOB
- B. Christie

READYTALK LOGIN INFO

Audio Login

Toll-Free (US & Canada): 9-1-866-740-1260

Toll: 303.248.0285

Access Code: 8304505

ReadyTalk link <https://core.readytalk.com/interface/guest.jsp?host=readytalk&an=8667401260&ac=8304505>

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

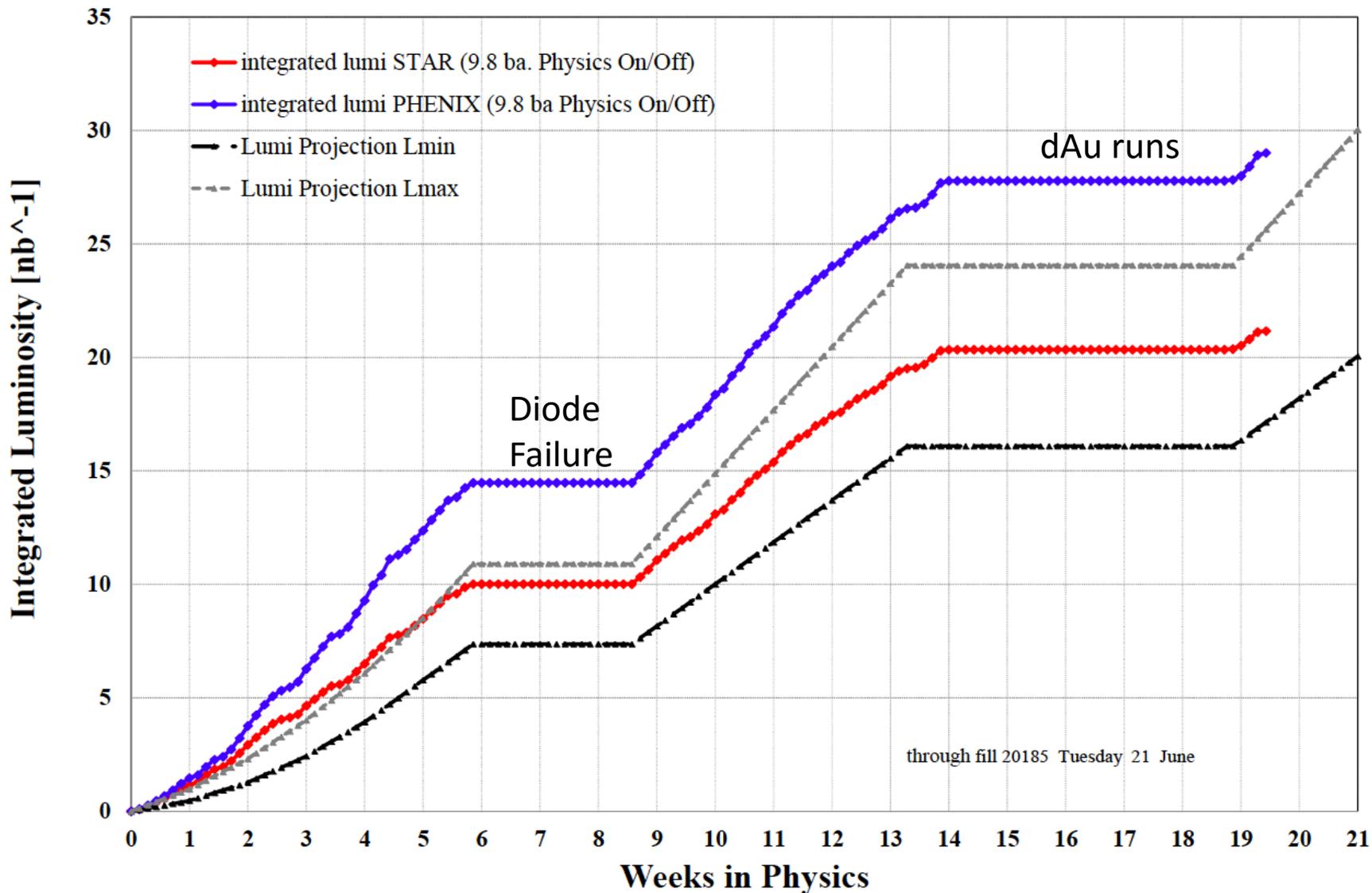
See <http://www.rhichome.bnl.gov/AP/RHIC2016/> for the Run Coordinator's detailed plan

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**

Run16 Delivered Luminosity

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



Archive

June						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18 Estimate is that "Physics" running declared ~ 8 pm
19	20 2 hr CeC access	21	22 6 hr CeC running	23 2 hr CeC access	24 12 hr CeC running	25
26	27 Beam Operations end at 7:45 am Cryo warm up begins	28	29	30		

The Calendar

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			

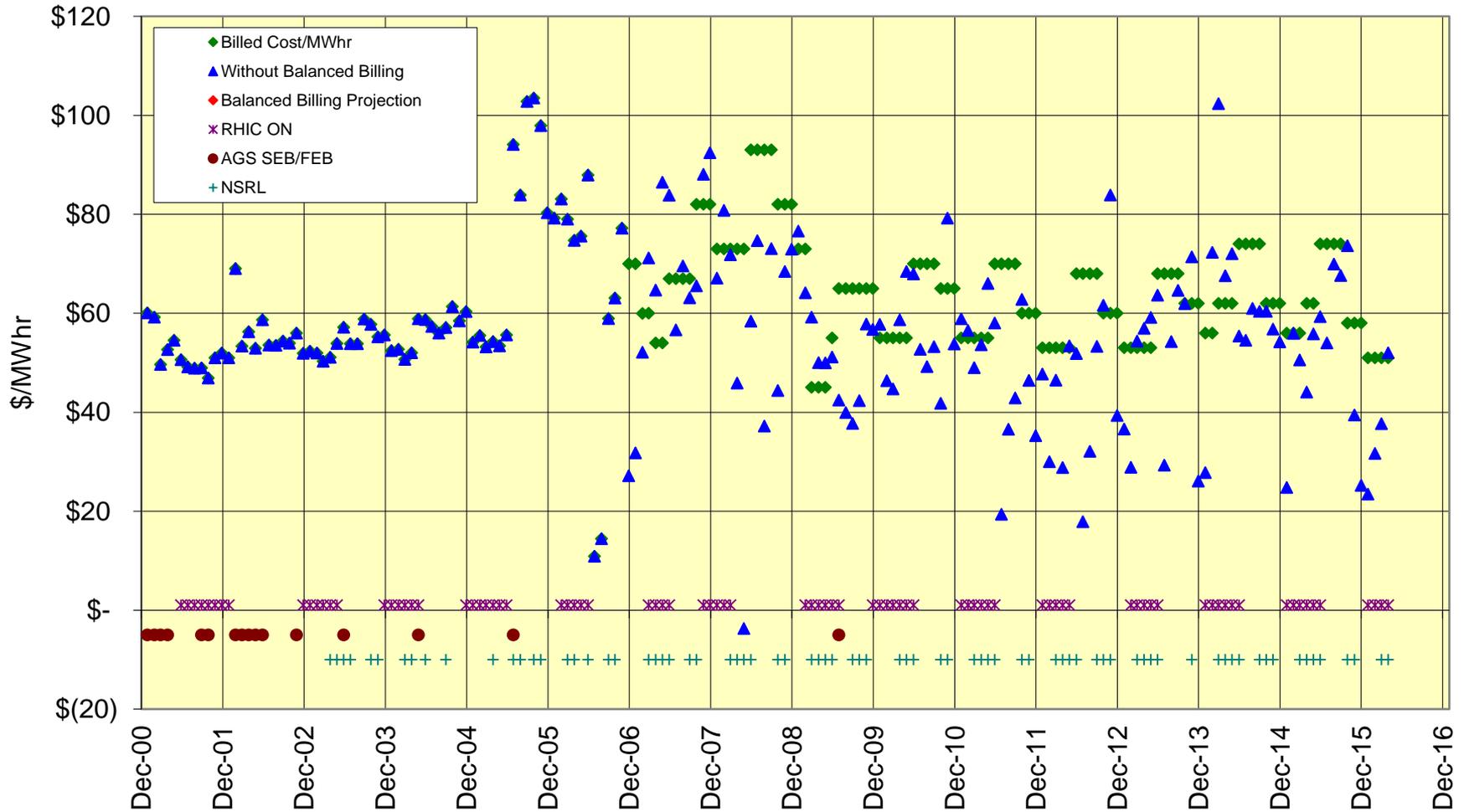
June						
Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

- Cool down to 4.5K starts on January 19th.
- Physics Running Declared on Sunday February 7th.
- Physics Running halted by Diode at 7 am on Friday March 18th
- Physics running restarted on Wednesday evening, April 6th.
- Gap of ~ 19.5 days
- Original “10 wks” of AuAu physics running would have been concluded on Sunday April 17th.
- Adding 21.5 days to this original end date, one lands on Monday May 9th.
- Start of 200 GeV dAu Physics run May 12th.
- End of 200 GeV dAu on May 20th.
- Start of 62 GeV dAu on May 21st.
- End of 62 GeV dAu on May 27th.
- Start of 19.6 GeV on May 28th.
- End of 19.6 GeV on June 6th.
- Start of 39 GeV dAu on June 7th
- End of 39 GeV dAu on June 13th.
- With 3.3 week extension, Cryo warm up will start on Monday June 27th
- Shown in Magenta is the CeC running.

Balanced Billing for the lab +\$2247K (ahead) Sep through Apr 2016

BNL Energy Cost

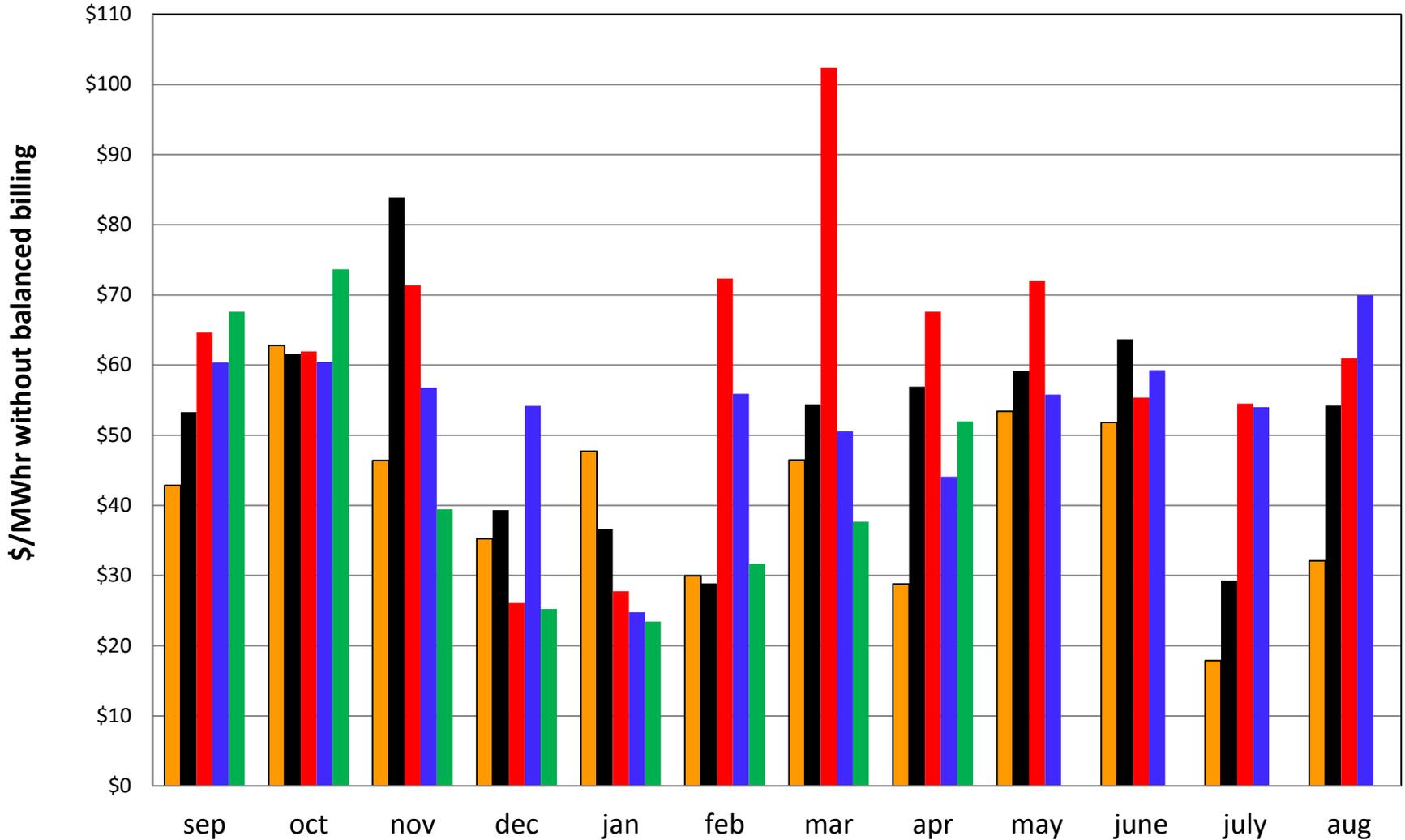
thru April 2016



For posting on bulletin board by Caitlin's office

BNL Electricity Cost

2012 2013 2014 2015 2016

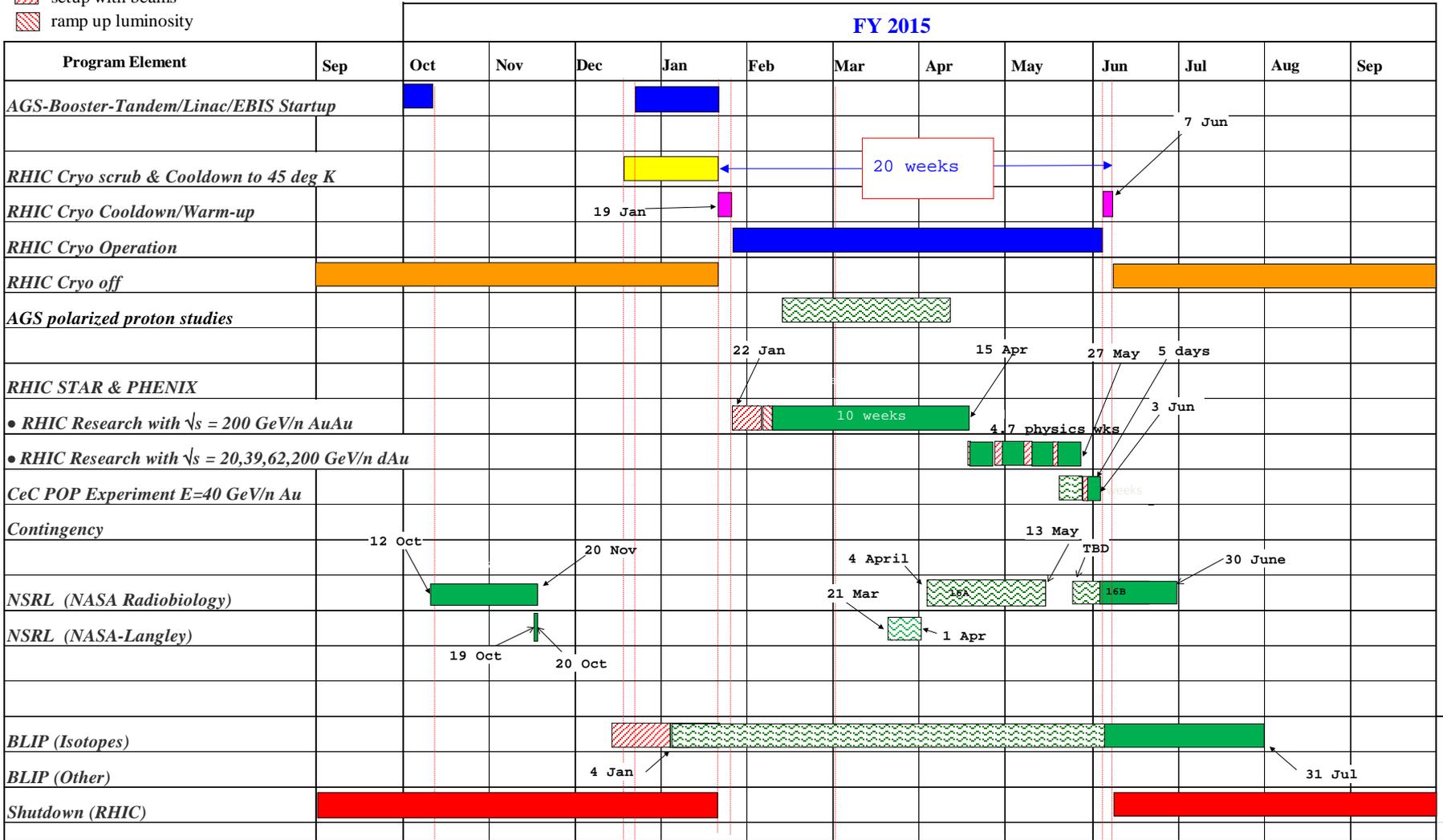


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C-A Operations-FY16

planned

-  concurrent with RHIC
-  setup with beams
-  ramp up luminosity



Who's Who for 2016

RHIC 100 x 100 GeV AuAu:

Run Coordinator: Xiaofeng Gu, xgu@bnl.gov, 631-344-5446 (office)

RHIC dAu Energy Scan:

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

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Assistants through 29 Jan:

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