

Run 16 RHIC Machine/Experiments Meeting

June 7, 2016

Agenda:

- Presentation on CeC Status and plans for the remainder of Run 16 - V. Litvinenko
- A possible Schedule for the remainder of Run 16, with a return to 200 GeV/n AuAu
 - B. Christie
- AOB

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 20 weeks cryo operation

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

Today, June 7th

- 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
- 16 June, End 1 week $v_s=39$ GeV/n dAu physics run
- 19 June, Begin 8 to 9 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

- Actual physics time for 39 GeV/n dAu energy is TBD

Schedule in Orange text not updated yet

Schedule in Blue text assumes CeC does not run.

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

SCHEDULE FOR WEEK FROM MONDAY June 6th – MONDAY June 13th

- **Monday:**
 - Physics running
 - Multi hour Access starting at 10 am
 - Physics running rest of day
- **Tuesday:**
 - Physics running all day
- **Wednesday:**
 - Physics running (19.6 GeV/n) until 8 am
 - Access from 8 am to 11 am
 - Collider Commissioning for 39 GeV/n begins ~ noon
- **Thursday:**
 - Possible collision on the Owl Shift for detector timing/setup
 - Collider commissioning
- **Friday until Monday:**
 - Projected transition to Physics running, physics running through the weekend

Note: Next week there will be an APEX session

Possible Schedule for returning to 200 GeV AuAu running for end of Run 16

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		

- APEX for 16 hours on June 15th.
- Access starting at 7 am on Friday June 17th
- Collider commissioning for return to 200 GeV AuAu starts on Friday June 17th.
- “Physics running” declared on Sunday June 19th
- Leads to about 8 days of 200 GeV/n AuAu Physics running

Archive

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
	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				

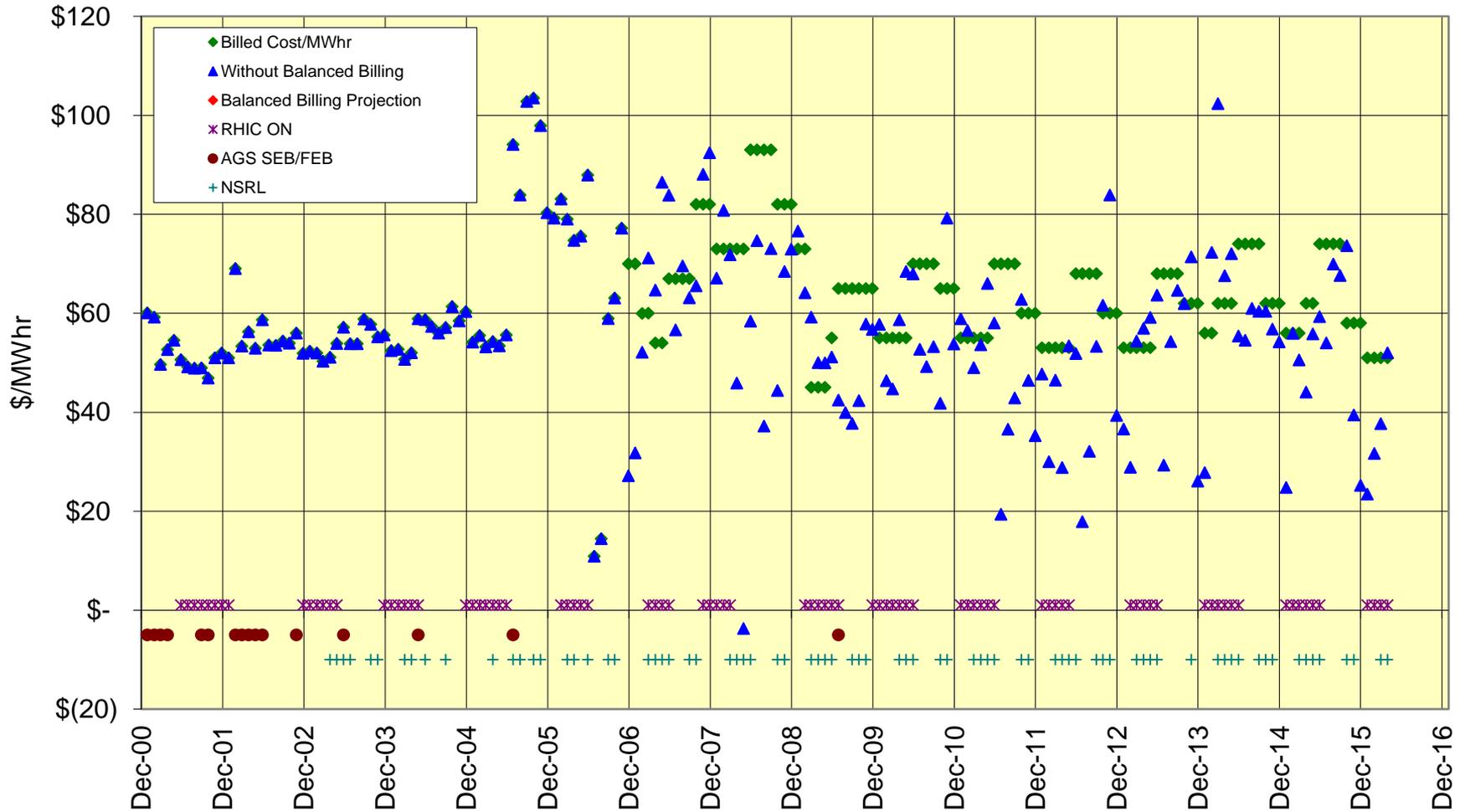
June						
Su	Mo	Tu	We	Th	Fr	Sa
		1	2	3	4	
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

- 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

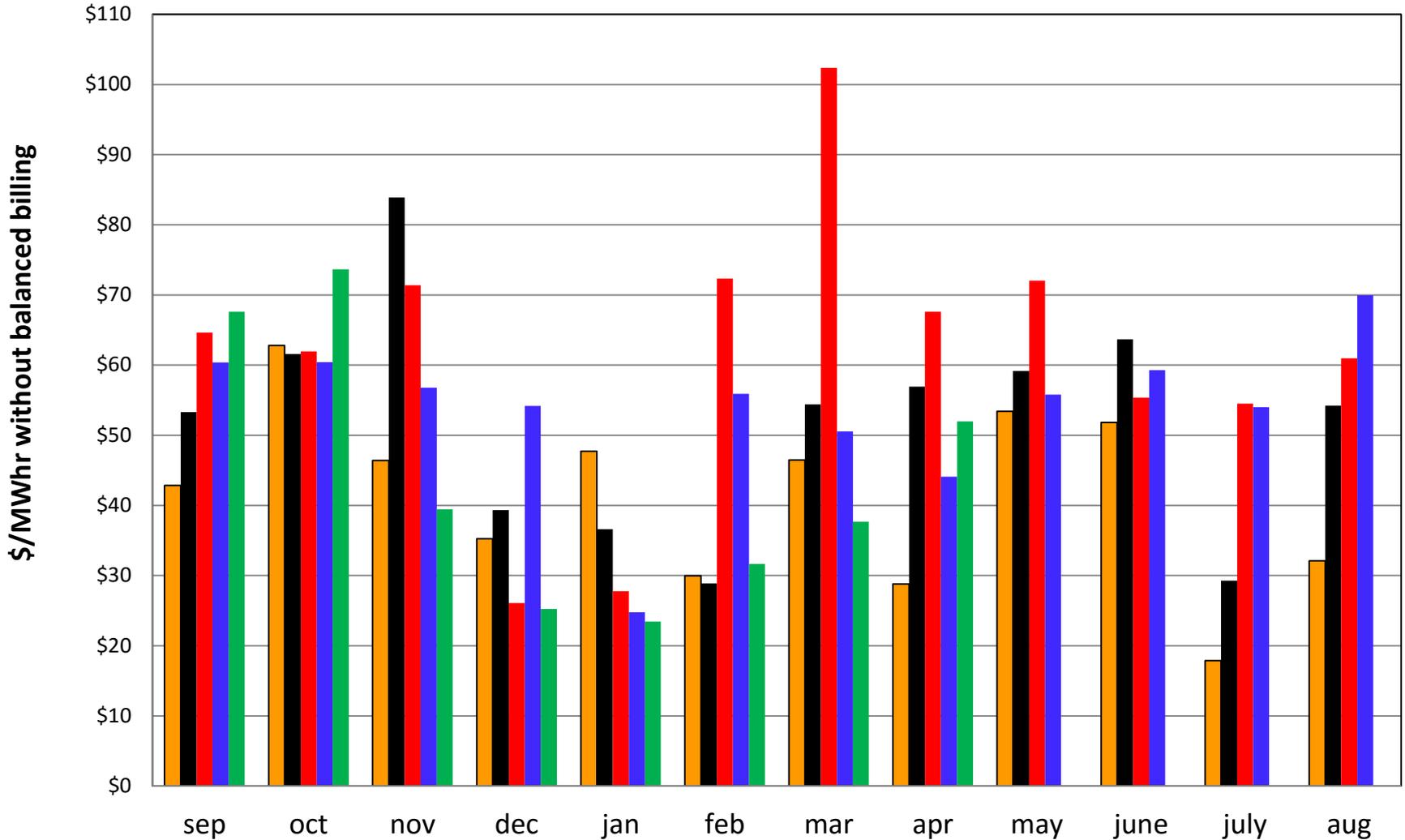
thru April 2016



For posting on bulletin board by Caitlin's office

BNL Electricity Cost

2012 2013 2014 2015 2016

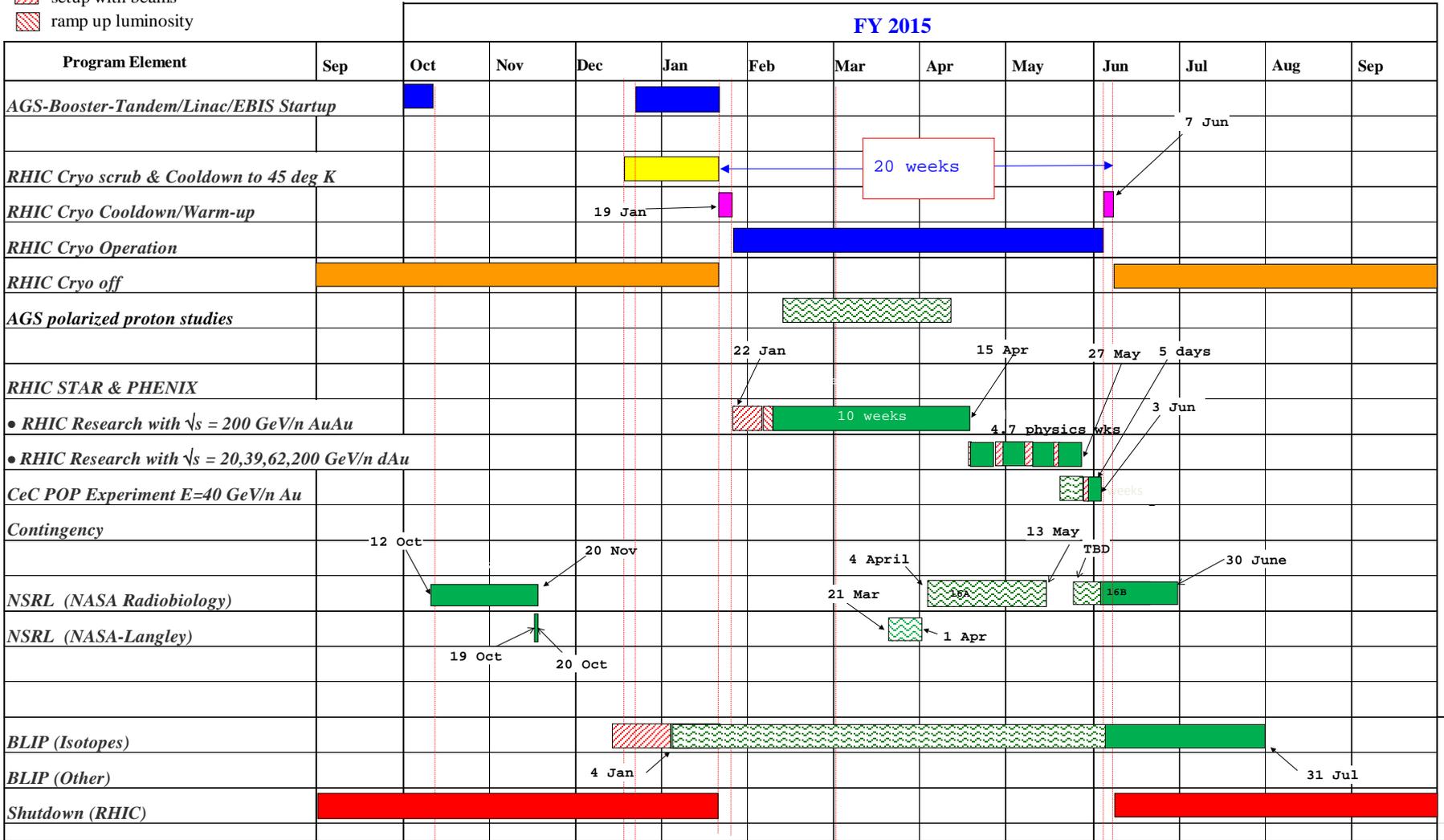


For posting on bulletin board by Caitlin's office

C-A Operations-FY16

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

planned



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)

Scheduling Physicist: Bill Christie, christie@bnl.gov, 631-344-7137

Assistants through 29 Jan:

Yousef Makdisi, makdisi@bnl.gov, 631-344-4932 (office)

Phil Pile, pile@bnl.gov, 631-344-4643 (office), 631-834-2005 (cell)

AGS Liaison:

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