Run 15, Time Meeting

20 Jan 2015

Agenda:

• Take 5 for safety	E. Lessard
• Schedule	P. Pile
• Linac Status	D. Raparia
• AGS Status	H. Huang
• Cryo Status	R. Than
• RHIC Status	V. Schoefer
• STAR Status	B. Christie
• PHENIX Status	D. Fields
• RHIC Polarimeter	W. Schmidke
• Jet Target	Y. Makdisi
• RCF	M. Ernst
• APEX	Y. Luo
• NSRL	A. Rusek
• BLIP	A. Goldberg
• Operations	P. Ingrassia
• Maintenance	P. Sampson
• Other	

ePHENIX Update!

symmetry dimensions of particle physics

A joint Fermilab/SLAC publication

Photo by Andy Freeberg, SLAC National Accelerator Laboratory

breaking

January 16, 2015

20-ton magnet heads to New York

A superconducting magnet begins its journey from SLAC laboratory in California to Brookhaven Lab in New York.

By Justin Eure

PDF download

Imagine an MRI magnet with a central chamber spanning some 9 feet—massive enough to accommodate a standing African elephant. Physicists at the US Department of Energy's Brookhaven National Laboratory need just such an extraordinary piece of equipment for an upcoming experiment. And, as luck would have it, physicists at SLAC

most popular

January 16, 2015
20-ton magnet heads to New York
A superconducting magnet begins its journey from SLAC laboratory in California to Brookhaven Lab in New York.

January 13, 2015
Dark horse of the dark matter hunt
Dark matter might be made up of a type of particle not many scientists are looking for: the axion.

January 12, 2015
Mirror, mirror
After more than six years of grinding and polishing, the first-ever dual-surface mirror for a major telescope is complete.

symmetry tweets

January 19, 2015
ICYMI: Accelerator-driven carbon dating advances everything from archaeology to medicine: http://t.co/hqMcZnCCw4

Run 15 plan based on 22 weeks cryo operation

and Fischer et.al. RHIC Collider Projections (FY 2013 – FY 2022), 21 Sep 2014

today, 20 Jan…

- 20 Jan, Begin cool-down **(today!)** to 4.5K

- 22 Jan, Begin 0900 Meetings

- 23 Jan (after midnight), Beam in Blue
- 4 Feb, First overnight stores for experiments

- 13 Feb (Vincent plan is for 9 Feb!), Begin 9 week **√s=200 GeV pp** physics run
- 17 April, End 9 week √s=200 GeV pp physics run

- 28 April, Begin 5 week **√s=200 GeV/n pAu** physics run
- 2 June, End 5 week √s=200 GeV/n pAu physics run

- 5 June, Begin 2 week **√s=200 GeV/n pAl** physics run
- 19 June, End 2 week √s=200 GeV/n pAl physics run

- 19 June, begin cryo warm-up
- 23 June, cryo warm-up complete, ***22.0 cryo weeks*** of operation

See http://www.rhichome.bnl.gov/AP/Spin2015/ for the Run Coordinator's detailed plan

Archive

Who's Who for 2015

RHIC 100 x 100 GeV polarized protons:
Run Coordinator: Vincent Schoefer, schoefer@bnl.gov , 631-344-8453 (office)

RHIC 100 x 100 GeV/n polarized protons on gold and polarized protons on aluminum:
Run Coordinator: Chuyu Liu, cliu1@bnl.gov , 631-344-4431 (office)

Scheduling Physicists:
Yousef Makdisi, makdisi@bnl.gov, 631-344-4932(office) 631-603-9688 (cell)
Phil Pile, pile@bnl.gov, 631-344-4643 (office), 631-834-2005 (cell)

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

http://www.bnl.gov/cad/esfd

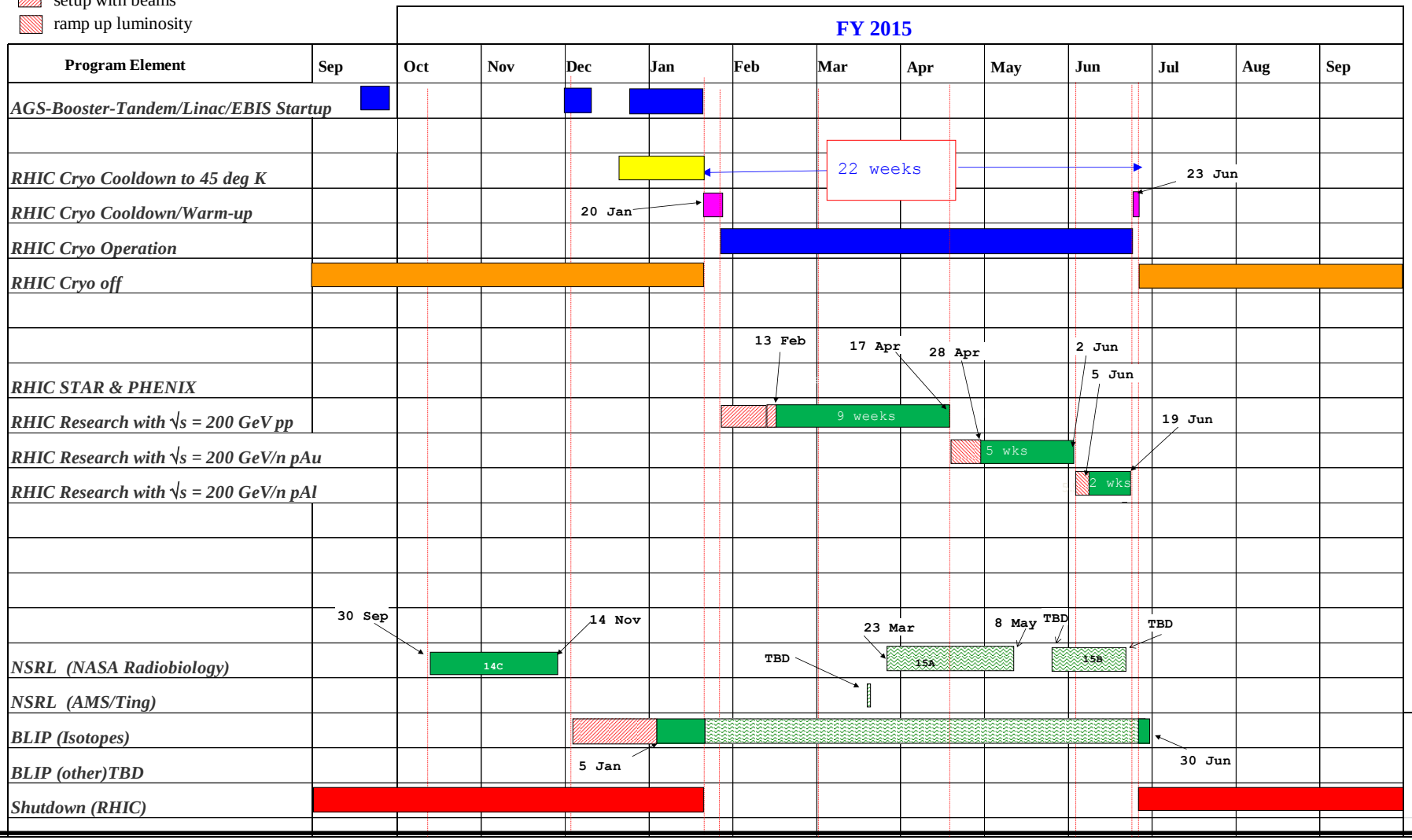
Scheduling Physicist: Makdisi/Pile

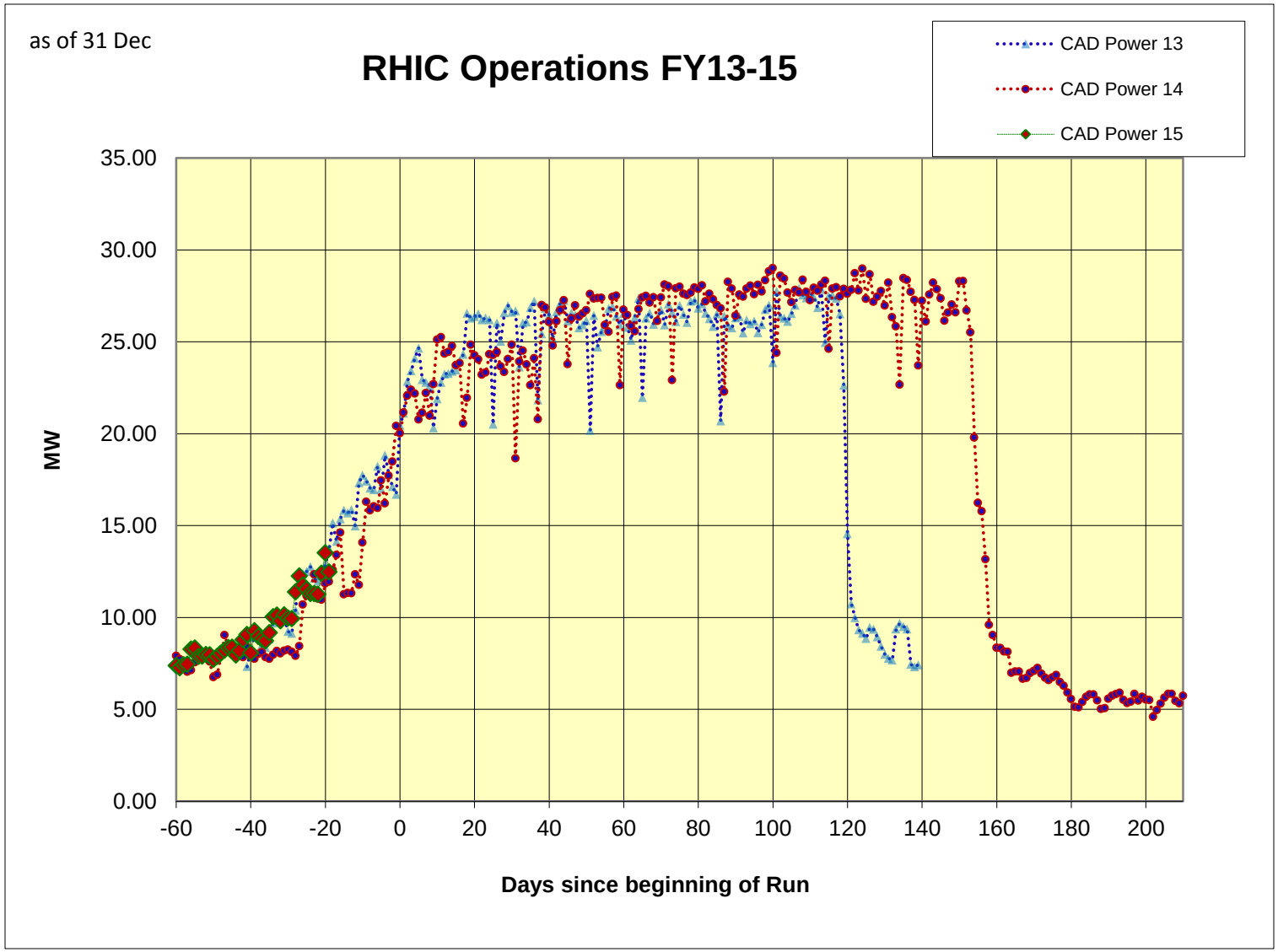
C-A Operations-FY15

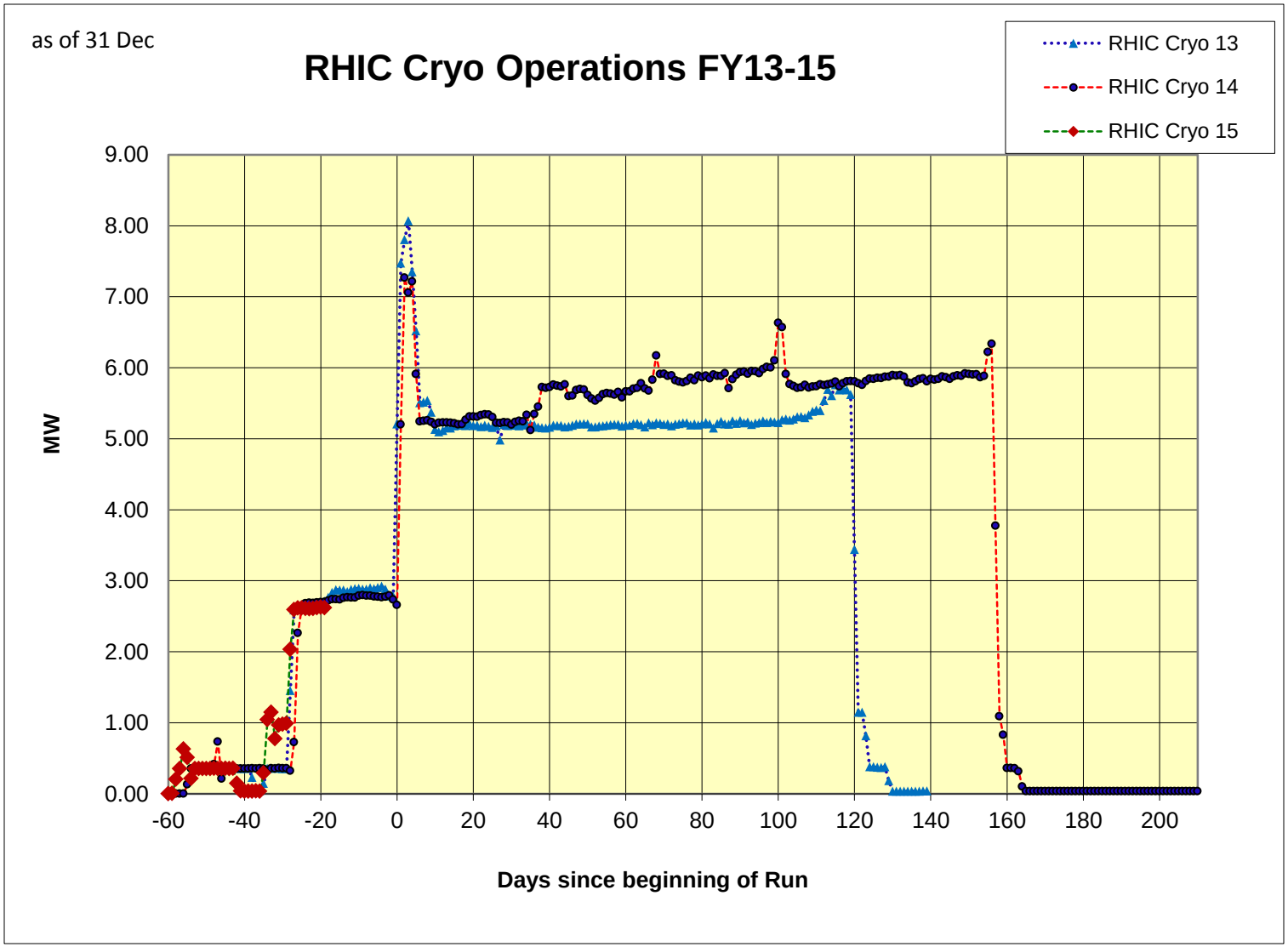
8 Jan 15

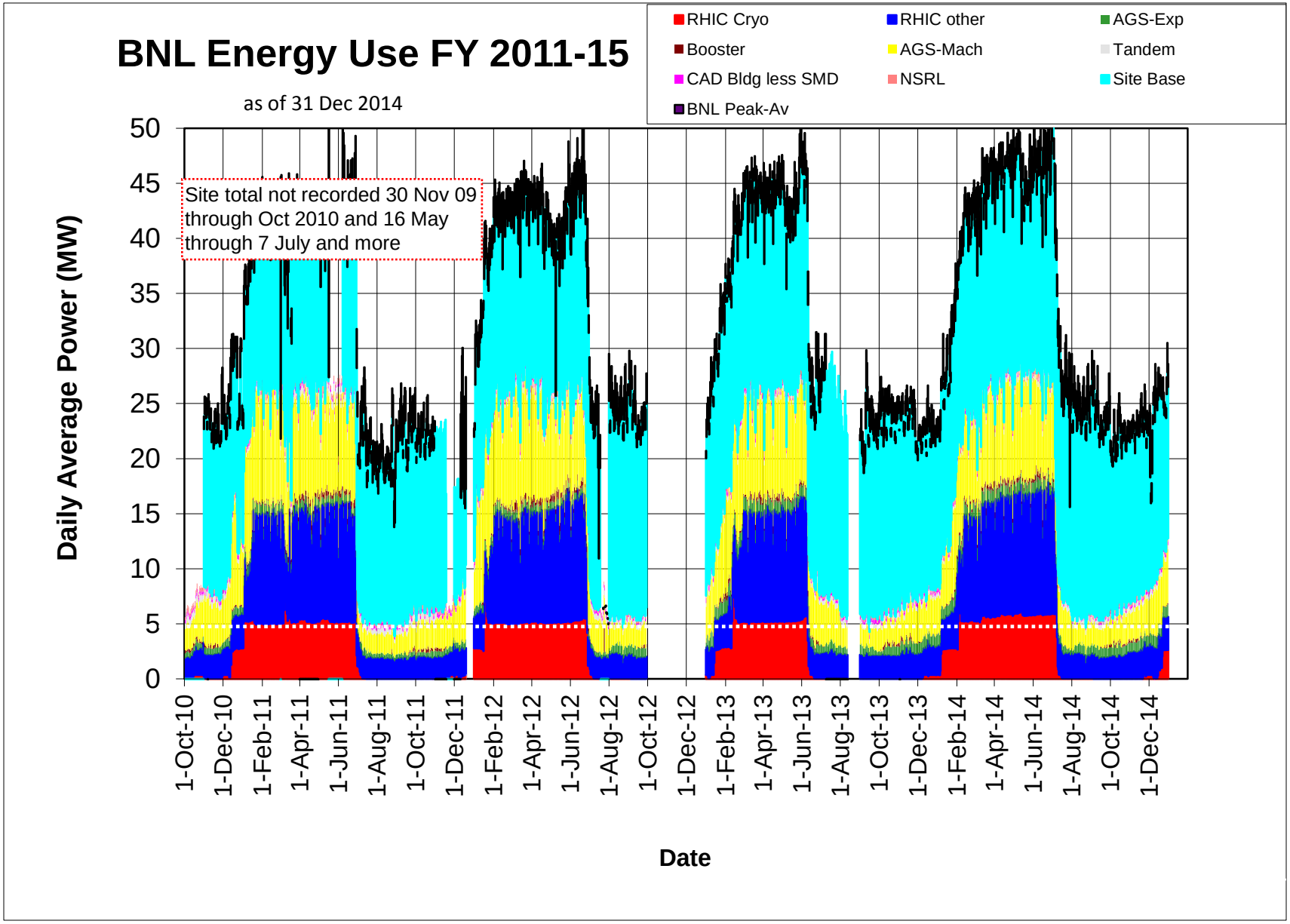
Plan, subject to change

concurrent with RHIC
setup with beams
ramp up luminosity




as of 31 Dec
RHIC Operations FY13-15
CAD Power 13
CAD Power 14
CAD Power 15
35.00
30.00
25.00
20.00
15.00
10.00
5.00
0.00
MW
-60
-40
-20
0
20
40
60
80
100
120
140
160
180
200
Days since beginning of Run


as of 31 Dec
RHIC Cryo Operations FY13-15
RHIC Cryo 13
RHIC Cryo 14
RHIC Cryo 15
MW
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
-60
-40
-20
0
20
40
60
80
100
120
140
160
180
200
Days since beginning of Run


BNL Energy Use FY 2011-15
as of 31 Dec 2014
RHIC Cryo
RHIC other
AGS-Exp
Booster
AGS-Mach
Tandem
CAD Bldg less SMD
NSRL
Site Base
BNL Peak-Av
Site total not recorded 30 Nov 09 through Oct 2010 and 16 May through 7 July and more
Daily Average Power (MW)
0
5
10
15
20
25
30
35
40
45
50
1-Oct-10
1-Dec-10
1-Feb-11
1-Apr-11
1-Jun-11
1-Aug-11
1-Oct-11
1-Dec-11
1-Feb-12
1-Apr-12
1-Jun-12
1-Aug-12
1-Oct-12
1-Dec-12
1-Feb-13
1-Apr-13
1-Jun-13
1-Aug-13
1-Oct-13
1-Dec-13
1-Feb-14
1-Apr-14
1-Jun-14
1-Aug-14
1-Oct-14
1-Dec-14
Date