



PHENIX WEEKLY PLANNING



March 13, 2014
Don Lynch



PHENIX
 UK
 SCOTLAND
 NORTH

- Run 14 Continues
- Access yesterday:
 - Install MPC-Ex rack
 - Replace Teflon FVTX/VTX outlet lines with stainless
 - Other maintenance?
- Plan for 2014 Shutdown
- Tech Support for Run 14 as required
- Support for sPHENIX efforts as required



Next Week

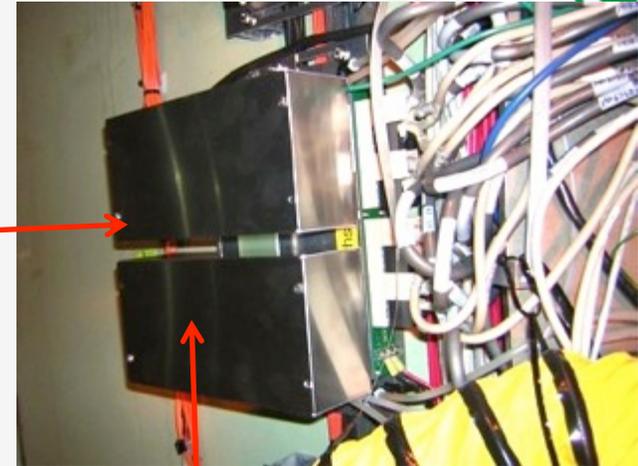
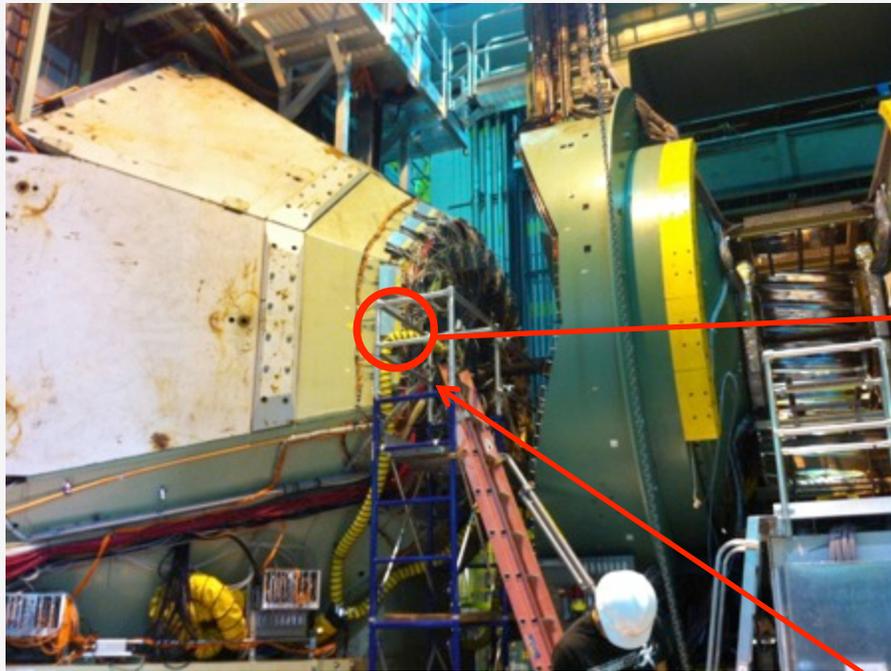


- Run 14 Continues
- Access 3/10?
 - Install MPC-Ex FEM Other IR maintenance/repairs
- Plan for 2014 Shutdown
- Tier I walkthru
- Tech Support for Run 14 as required
- sPHENIX Review
- Support for sPHENIX efforts as required

MPC-Ex Initial (Partial) Installation

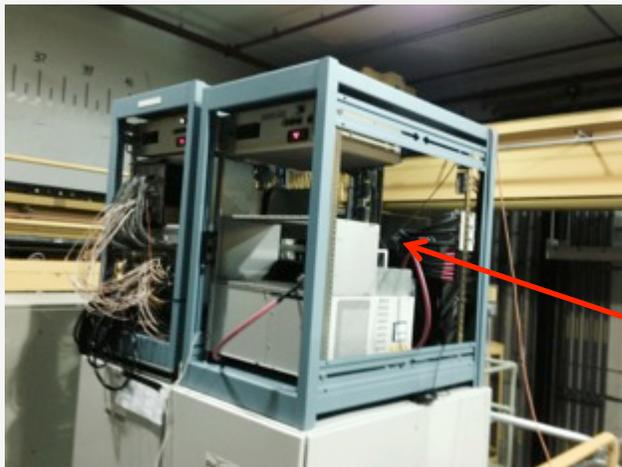


PHYSICS LABORATORY NORTH



Mechanical installation
Complete Services
connected

FEM assembly waiting for final
FEM modules



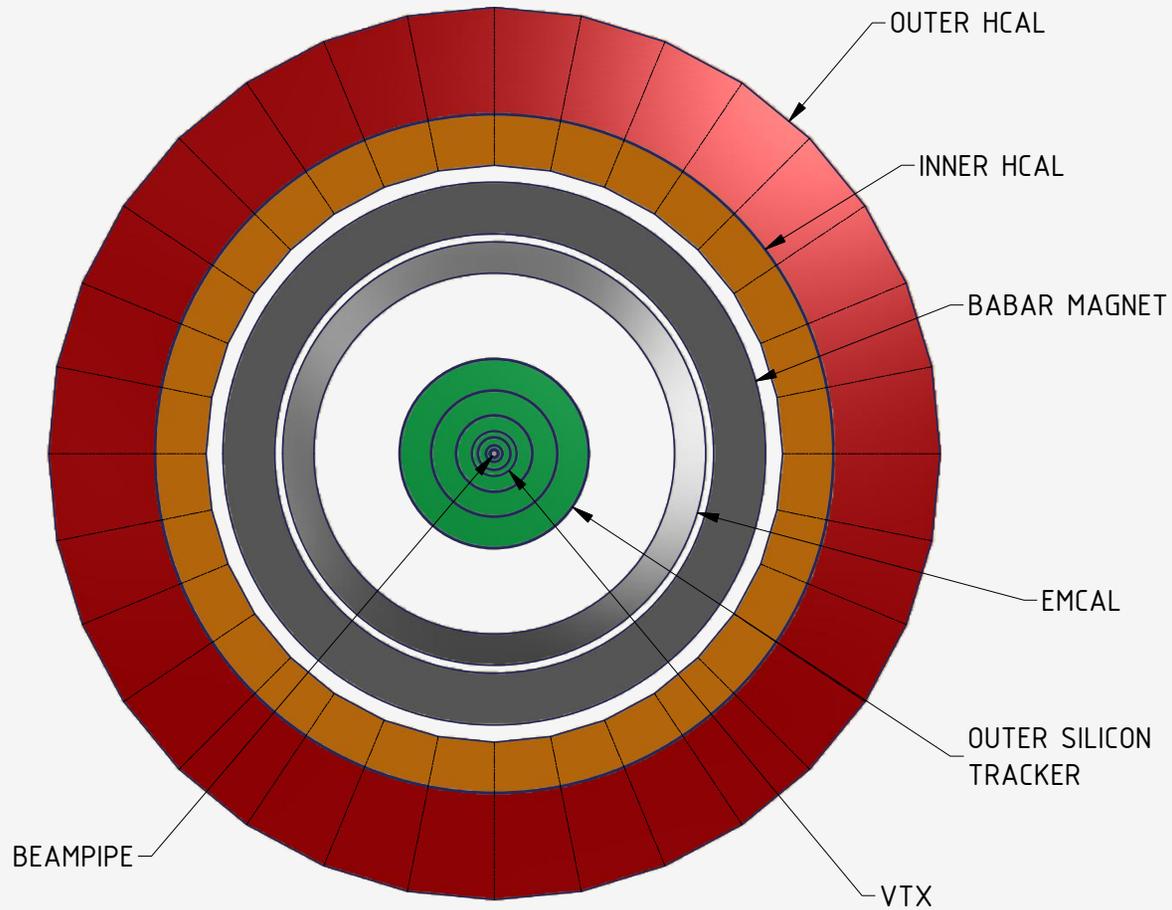
New MPC-Ex rack

3/6/2014



PHENIX
SOUTH
NORTH

sPHENIX Detector Subsystems

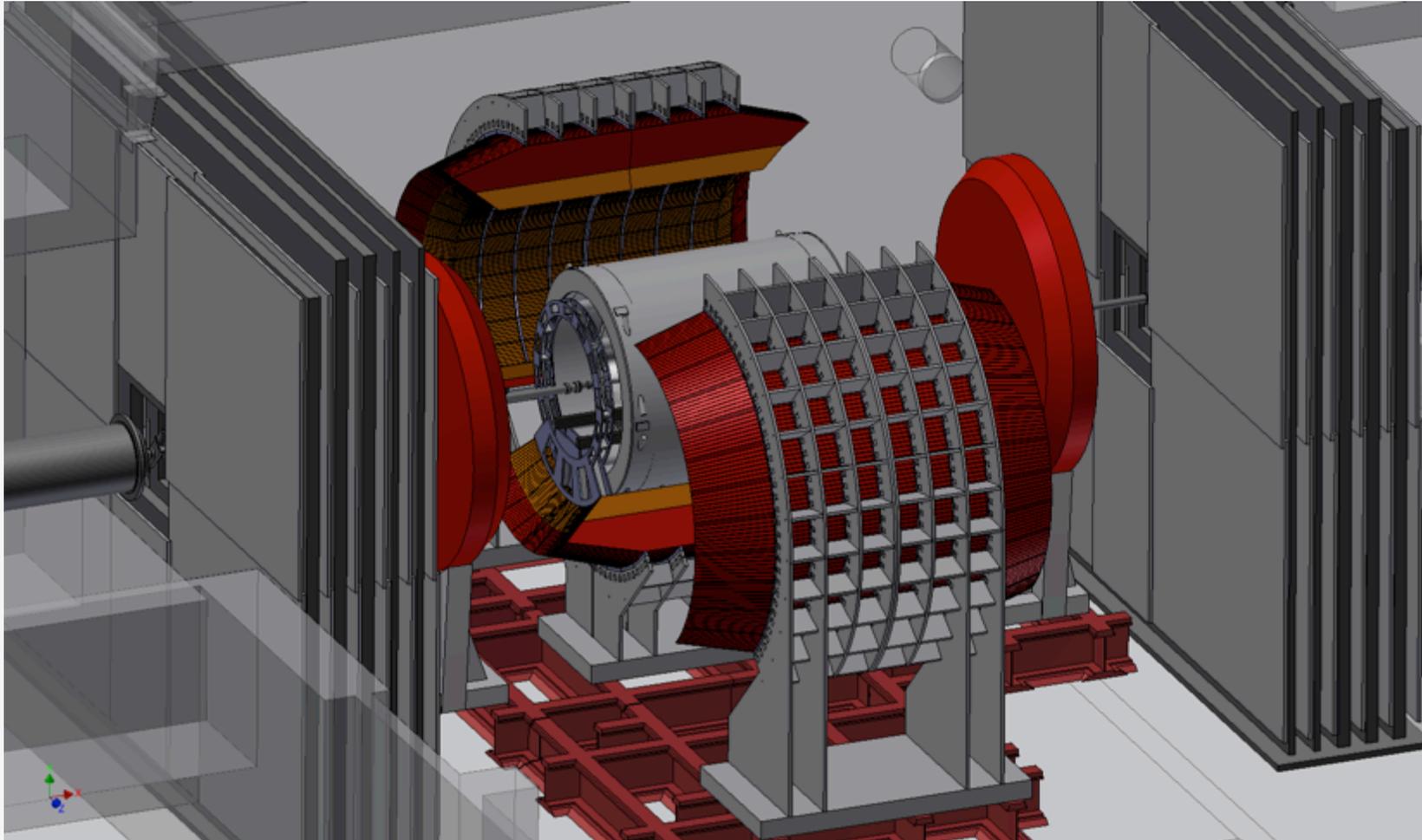


3/6/2014

sPHENIX Overall Structural/Support Concept

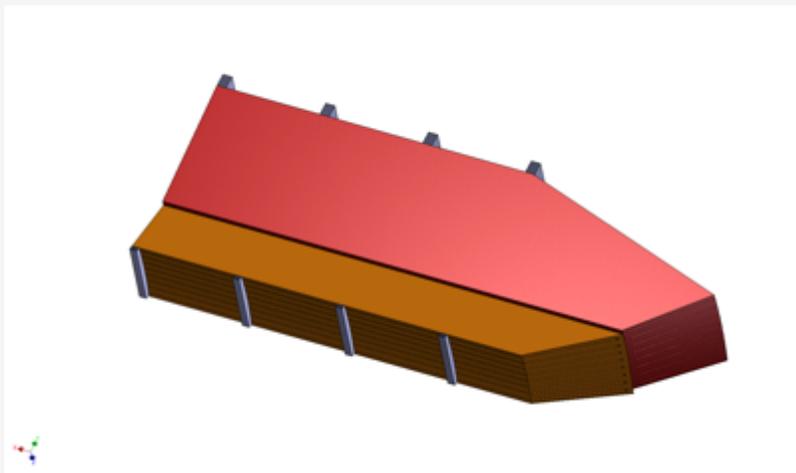


PHENIX SOUTH

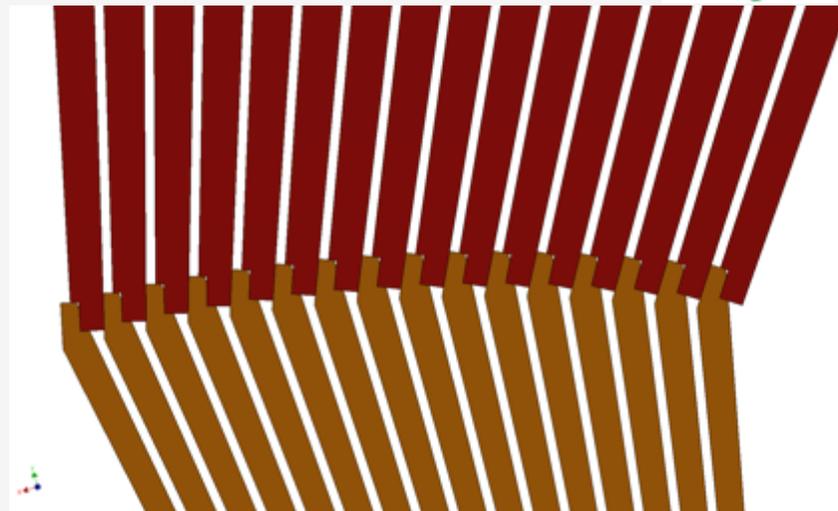


3/6/2014

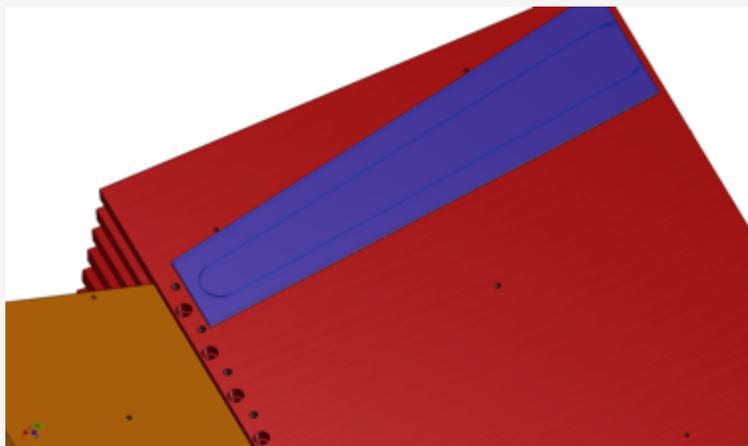
sPHENIX HCal Mechanical Design Concept



HCal Module



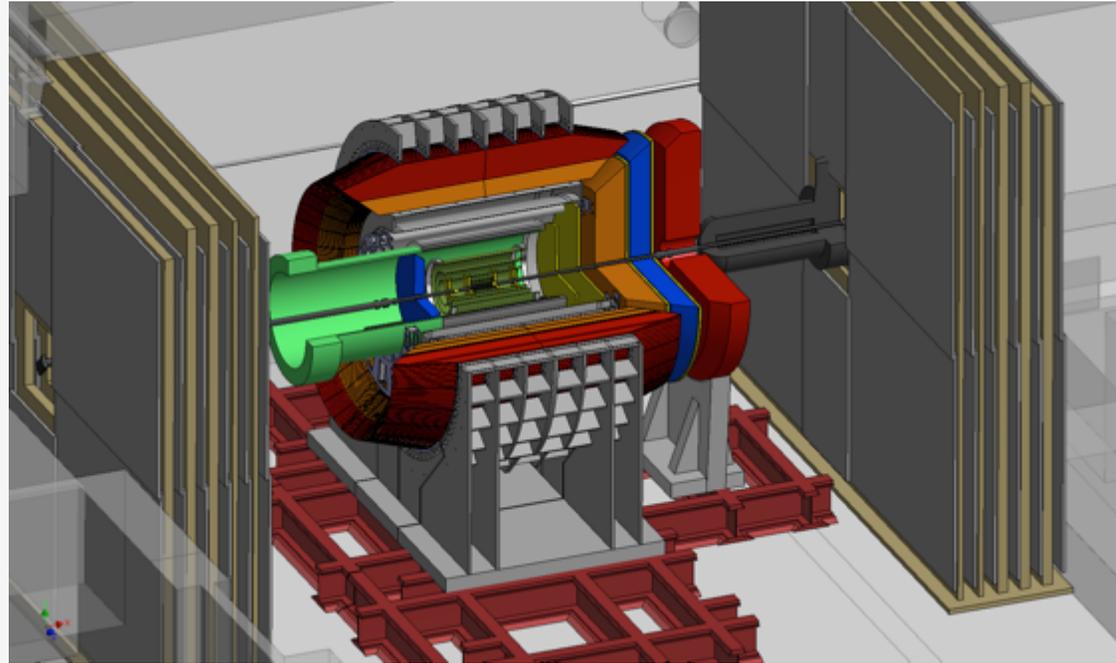
HCal Internal Steel Assembly
(Same as concept used in prototype)



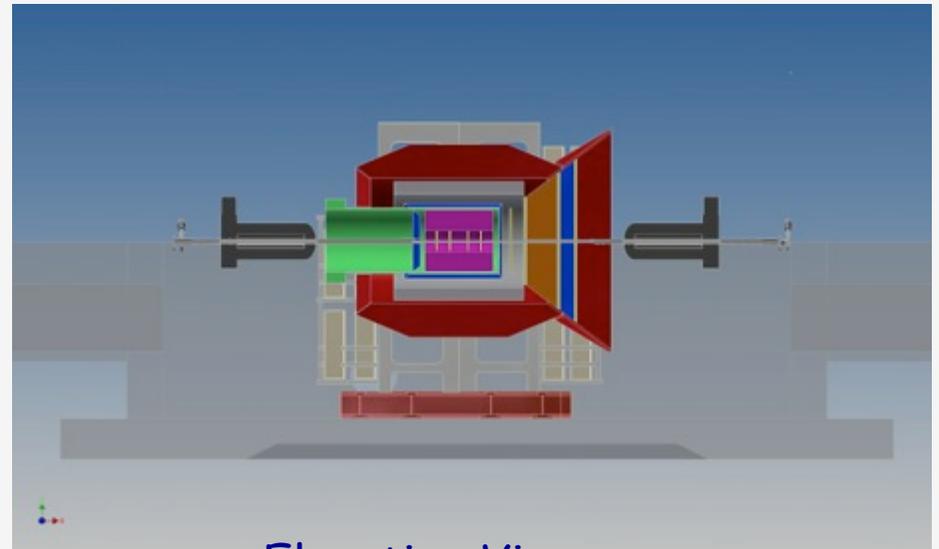
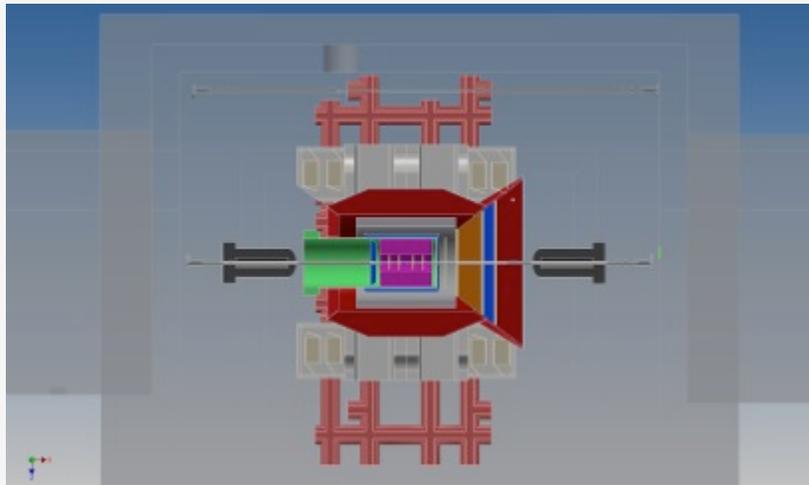
HCal Scintillator Light Collection
(Improvements to Prototype are needed)

3/6/2014

ePHENIX



Plan View



Elevation View

2014 planned Technical Support & 2014 Shutdown



PHENIX SOUTH NORTH

Support for run 14	2/3-6/30/2014
Support for sPHENIX prototype tests at FermiLab	1/21-2/25/2014
Procure & Fabricate parts for MPC-Ex North and South	1/1/2014-6/30/2014
Assemble & test MPC-Ex South, ready for installation	3/1-7/1/2014
End of Run Party	7/11/14?
Assemble & test MPC-Ex North, ready for installation	7/1-9/25/2014
Start of Shutdown Tasks (purge flammable gas, disassemble and stow shield wall, remove collars, move EC to AH, Move MMS south, etc.)	7/14 - 7/25/2014
Install scaffolding in Sta 1 South	7/28/2014
Remove MPC-Ex prototype, Install new MPC-Ex South	7/28-8/22/2014
Maint. & Repairs for MPC South, BBC South, RPC1 South, MuTr sta 1 South, as necessary	7/28-8/22/2014
Remove scaffolding from sta 1 south, Move CM South	8/25/2014
Install scaffolding in Sta 1 North	8/26-8/29/2014
Prep MPC-Ex North installation area	9/1-9/26/2014
Install new MPC-Ex North	9/29-10/17/2014
Remove Sta 1 North scaffolds, Move CM North	10/20-10/24/2014
Other detector support	TBD
Infrastructure Maintenance and Improvement	TBD
Decommissioning of obsolete PHENIX detector equipment	TBD
sPHENIX Support	on-going
End of Shutdown Tasks (Move MS north, roll in EC , install collars, remove 10 ton cart, plates and manlifts, build shield wall, etc.)	10/27-11/26/2014
Pink/White/Blue Sheets	1/17/2014
End of Shutdown Party	????
Start Flammable gas flow	????
Close shield wall, install radiation interlocks and prepare for run 14	12/31/2014
Start run 15	1/2/2015



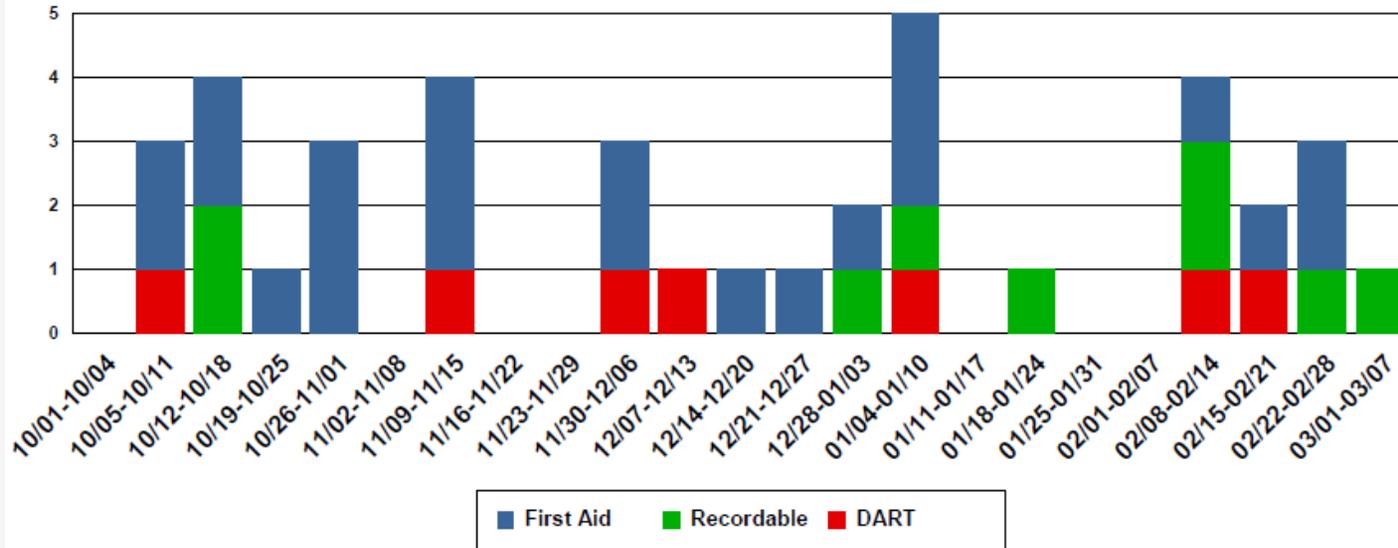
1. From Ray Karol: Nothing this week
2. Tier I Inspection Yesterday, No major issues





Safety and Security

Injuries Per Week (FY)
As of 3/7/2014



Injury Status:

FY14 YTD: DART – 7, TRC – 16, First Aid – 23

FY13: DART – 15, TRC – 38, First Aid – 53

FY12: DART – 19, TRC – 36, First Aid – 69

FY13 Injury Listing: <https://intranet.bnl.gov/esh/shsd/seg/Occlnj/BNLInjuries.aspx>

Recent Injuries		
3/5/14	Recordable	An employee was vacuuming and developed pain in her left arm. After visiting her doctor, she was given prescription medication, making this recordable.
2/28/14	First Aid	An employee tripped and fell on steps, injuring his right hand/wrist. At the OMC, first aid was given.
2/27/14	Recordable	An employee injured his fingers when a door closed on his hand. At the OMC, first aid was given. After visiting his doctor, he received a prescription for medication, making this recordable.
2/14/14	DART	An employee slipped and fell on an icy surface, reported to Fire/Rescue, and was transported to a local ER for further tests. <u>Update:</u> This case is now DART due to lost time.



Recent Events

3/7/14	Non-Reportable	An overhead light bulb failed, causing glass fragments to fall to the floor. There were no injuries. The incident was reported by an employee who heard the glass shards falling to the floor. The area was secured to prevent injury and Facilities and Operations (F&O) management was notified. (Event Link)
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Where To Find PHENIX Engineering Info



Run 14 Continues!

St. Paddy's Day Fun Facts:

- Celebrated in all 50 States, District of Columbia, Puerto Rico and US Virgin Islands, American Samoa and The Northern Mariana Islands
- Argentina, Austria, Belgium, China, Croatia, Cyprus, Denmark, Dubai, England, France, Germany, Greece, Hungary, Italy, Japan, Korea, Mexico, Montserrat, Netherlands, New Zealand, Norway, Russia, Scotland, Singapore, South Africa, Spain, Turkey
- First Parade in Boston 1737
- Largest Parade in New York (first held in 1756)
- Longest Continuous Parade Montreal (191 years) or New York (250 years) ?
- ~35 Million US residents of Irish descent
- Guinness sales worldwide more than double from 5.5 M to 13 M pints on St. Paddy's Day
- World's Shortest Parade: 11th annual in Hot Springs AK (Bridge Street 98 feet), 35th annual (2 city blocks) Boulder, CO, Dripsey Cork, Ireland (between 2 pubs 100 yards), Bronx NY (47 feet (in one door out another at An Beal Bocht, an Irish Pub)

http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL_SSint-page.htm

3/6/2014



15



Fun Beer Facts

About 4000 years ago, it was the accepted practice in Babylonia that for a month after the wedding, the bride's father would supply his son-in-law with all the mead he could drink. Mead is a honey beer, and because their calendar was lunar based, this period was called the "honey month" or what we know to day as the "Honey moon"

Before invention of the thermometer, brewers used to check the temperature by dipping their thumb, to find whether appropriate for adding Yeast. Too hot, the yeast would die. This is where we get the phrase "The Rule of the Thumb"

In English pubs, ale is ordered by pints and quarts. So in old England, when customers got unruly, the bartender used to yell at them to mind their own pints and quarts and settle down. From where we get "mind your own P's and Q's".

After consuming a vibrant brew called Aul or Ale, the Vikings would go fearlessly to the battlefield, without their armour, or even their shirts. The "Berserk" means "bear shirt" in Norse, and eventually to the meaning of wild battles.

Way down in 1740, the Admiral Veron of the British fleet decided to water down the navy's rum, which naturally, the sailors weren't pleased with. They nicknamed the Admiral Old Grog, after the still stiff program coats he used to wear. The term grog soon began to mean the watered down drink itself. When you are drunk on this grog, you are "groggy", a word still in use.

Long ago in England, pub frequenters had a whistle baked into the rim of their beer mugs or ceramic/glass cups. The whistle was used to order services. Thus we get the phrase, "wet your whistle".



LEWIS & CLARK
EXPEDITION
NORTH

