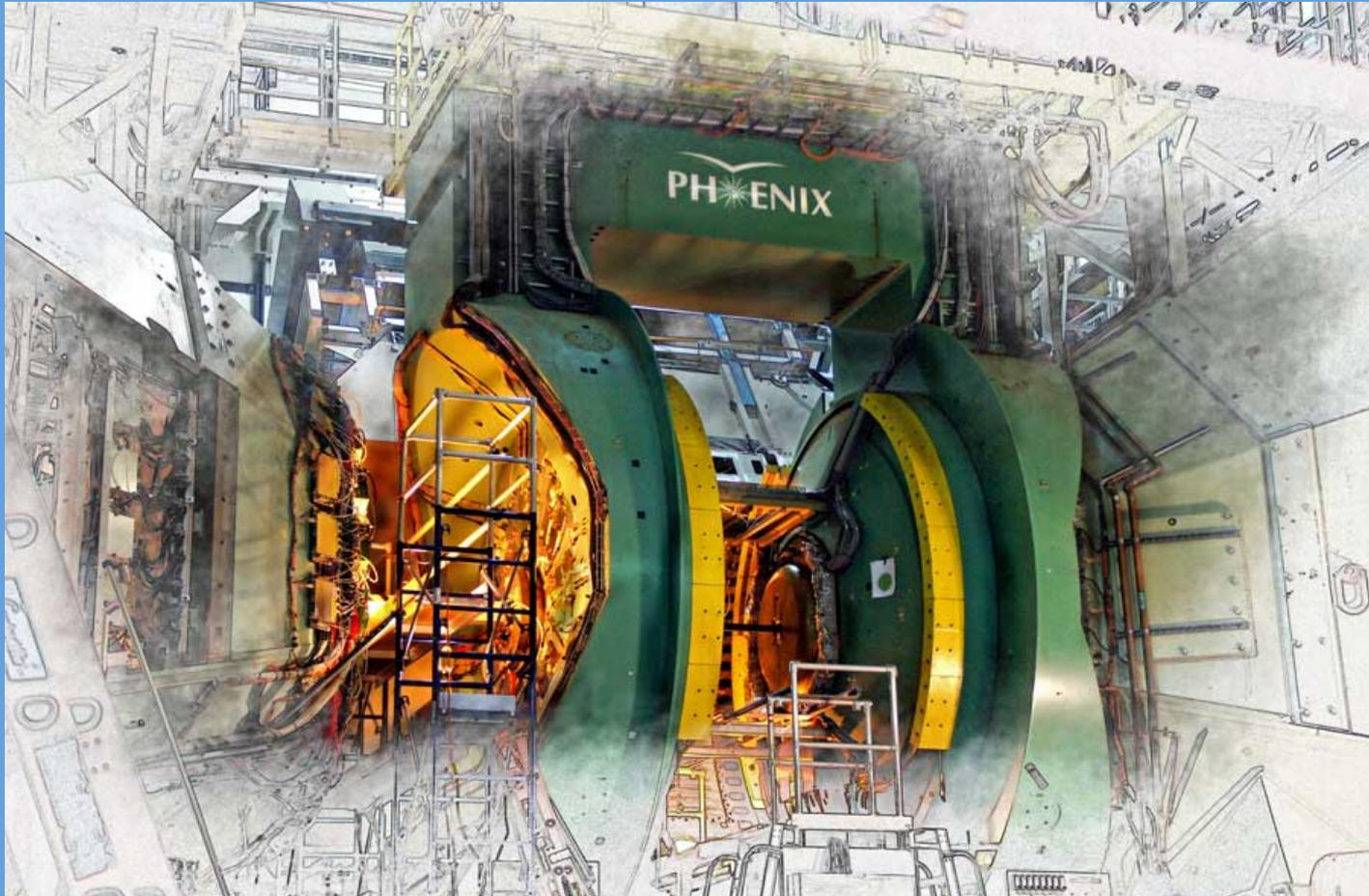


# PHENIX

## WEEKLY PLANNING



June 11, 2015

C. Biggs

# This Week

1. Access yesterday  
MPC-Ex Work  
Replaced Y-Boards  
ZDC Work?
2. Support s-PHENIX

# Next Week

Continue to support Run 15

Continue to support S-PHENIX

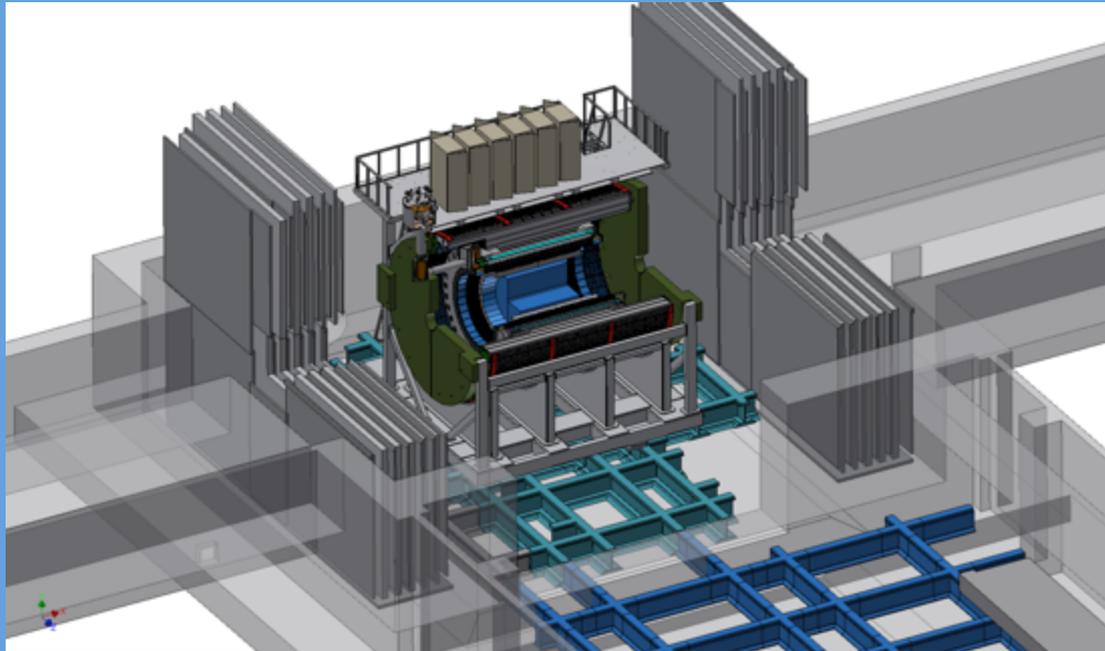
# 2015 SHUTDOWN SCHEDULE

June 19 <sup>th</sup>	End of Run Party
JUNE 22 <sup>ND</sup>	END OF RUN
June 23 <sup>rd</sup>	Roll out Shield Wall
June 24 - 29	Remove Shield Wall
June 24 - 29	Pixel Testing on VTX (Chuck, Eric)
June 30 – July 2	Disconnect & roll out East Carriage
July 6 – 7	Setup up IR for shut down work
July 6 – 10	De-Cable & remove East VTX/FVTX, move to 510
July 8 <sup>th</sup>	Remove Collars, Move South Magnet south
July 9 <sup>th</sup>	Erect Scaffold between south and central magnets
July 10 <sup>th</sup>	Set up MPC-ex “sled”
July 13 – 16	De-Cable & remove West VTX/FVTX, move to 510
July 13 – 16	Remove MPC-ex south, MPC South Crystals
July 17 – Aug 7	Repairs and upgrades to MPC-ex and MPC south in 510
July 17 – Sept 21	Repairs to East VTX/FVTX in 510
July 17 - Oct 19	Repairs to VTX/FVTX West in 510
July 29 -31	Deliver and set up “Dance Floor” for Summer Sunday
Aug 2	SUMMER SUNDAY @ PHENIX

## 2015 SHUTDOWN SCHEDULE (cont.)

Aug 10 – 21	Replace & Troubleshoot MPC and MPC-ex South
Aug 24 – 26	Remove South scaffold and move CM south
Aug 27 <sup>th</sup>	Erect Scaffold between CM and North magnet
Aug 28 <sup>th</sup>	Install MPC-ex “sled” in north
Aug 31 – Sept 2	Remove MPC-ex North & MPC North crystals
Sept 3 – 24	Repairs and upgrades to MPC-ex and MPC North in 510
Sept 22 -25	Re-install and re-cable VTX/FVTX West
Sept 24 – Oct 8	Replace & Troubleshoot MPC and MPC-ex North
Sept 28 – Nov 20	Troubleshoot VTX/FVTX Systems
Oct 20 – 23	Re-Install and re-cable VTX/FVTX East
November	DC Wire Repairs
Dec 1 – 4	Prep IR for Run 16
Dec 7- 9	Move in East Carriage
Dec 10 – 15	Build Shield Wall
Dec 16	Move Shield Wall in
Dec 10 – 23	White, Pink, and Blue Sheeting

# sPHENIX Engineering Status



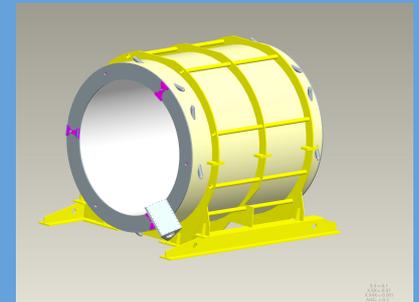
June 11, 2015

# Project Status

- Fall Director's Cost and Schedule Review (with DOE observers)
  - Cost (manpower, materials), Schedule (project schedule), Technical (what was the basis for estimate, how does each subsystem fold into overall detector design).
  - Tentative schedule of Review – Probably last week in October.
  - Probably 2 days with break-out sessions on subsystems.
- Design work for Prototypes of EMCal and HCal continue.
- Magnet prep for low and high field tests continues
- Weekly tracker meetings to scope out tracker design continuing

# sPHENIX SC Magnet Status

- Rolled Out Low Field/High Field Test Prep. Schedule
- Continued Work on High Field Flux Return Conceptual Design
- Continued Work on Testing Instrumentation Leads
  - Completed Testing from D-Ring Connector to Source (bad temp. sensor)
  - Testing from D-Ring Connector to Valve Box
- Continued Work on SC Leads
  - Prepped at existing Dog House
  - Working on Leads from Dog House to Valve Box
- Continued Magnetic/Stress Analysis of Coil
- Mechanical Design Review of Valve Box Extension - May 14, 2015 - Magnet Oversight Committee
- *Review the sPHENIX Magnet (testing) in Building 912: Solenoid History and Design, Solenoid Documentation, Solenoid Located and Assembly Work in Building 912, Cryogenic System to Cool Solenoid, Low Current <100A Test at 4.5K.* – May 22, 2015 - Laboratory Environment, Safety and Health Committee (LESHC)/Pressure & Cryogenic Safety Subcommittee (PCSS)



# sPHENIX HCal Prototypes

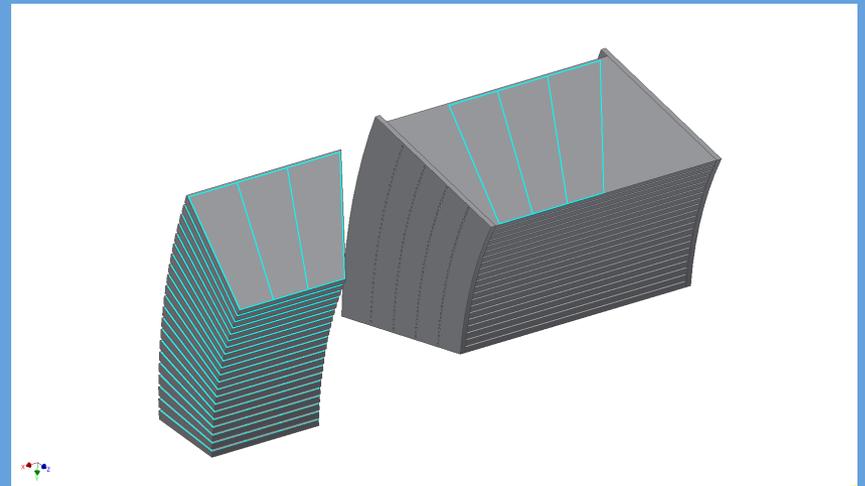
Rich and Chris P. are currently preparing detail drawings for HCal performance prototypes.

*Drawings nearly done Expect to get drawings out to Vendors next week.*

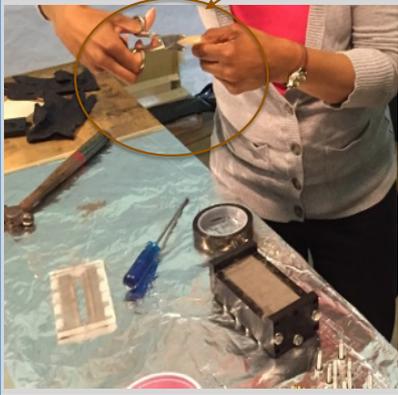
Tile drawings in progress.

Light collection R&D continues

Electronics R&D continues



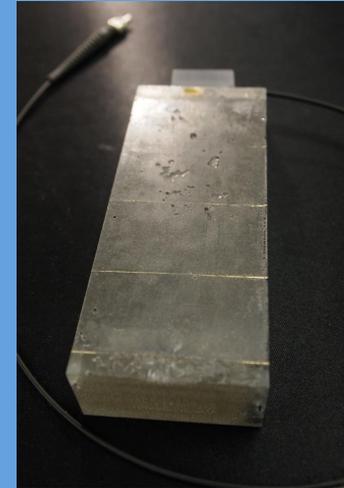
# EM Cal Prototypes



UIUC 1D Prototype

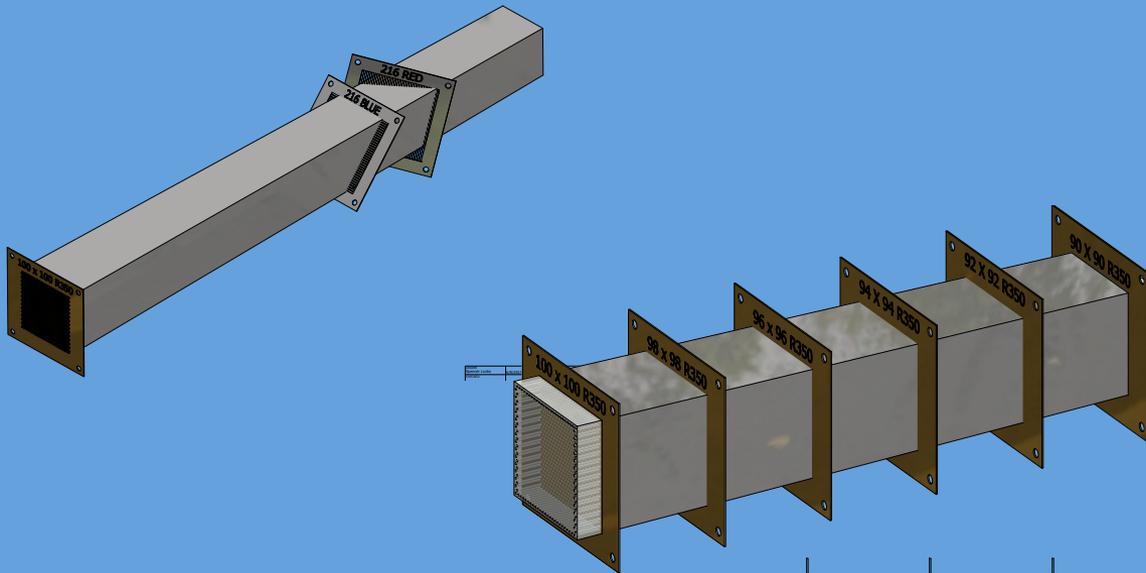


THP 1D Prototype

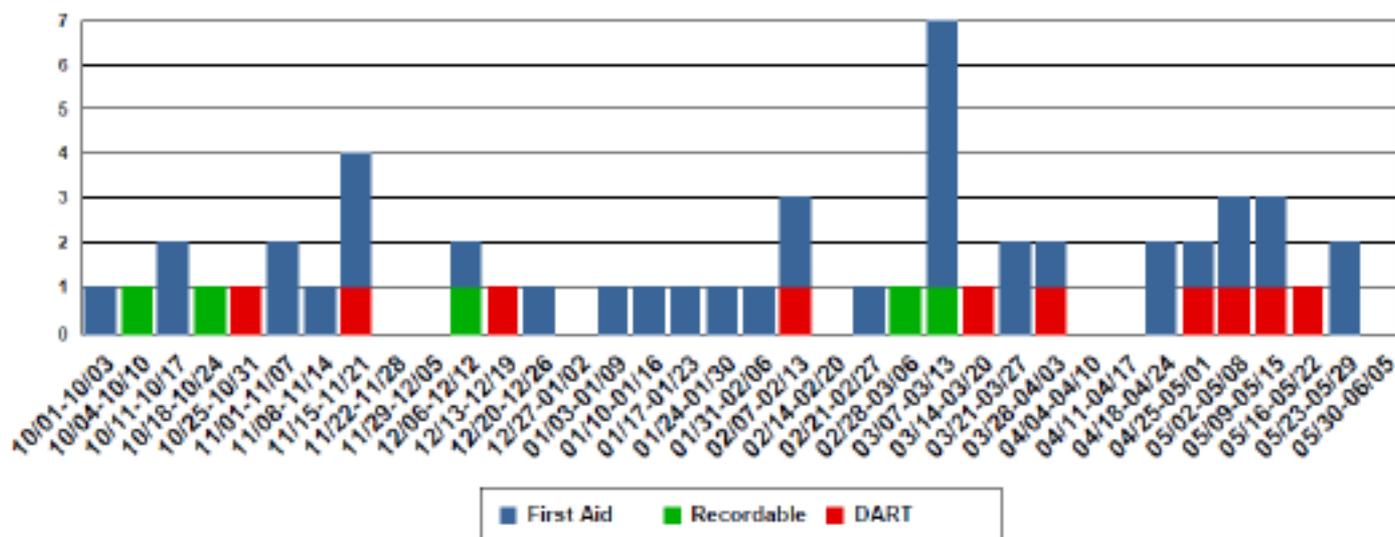


BNL 1D Prototype

# EM Cal R & D 2D Prototypes



## Injuries Per Week (FY) As of 6/5/2015



### Injury Status:

FY15 YTD: DART – 10, TRC – 15, First Aid – 37

FY14: DART – 17, TRC – 33, First Aid – 38

FY13: DART – 18, TRC – 39, First Aid – 52

FY15 Injury Listing:

<https://intranet.bnl.gov/esh/shsd/seg/Occinj/BNLIinjuries.aspx>

### Recent Injuries

5/27/15	First Aid	A student was moving a plant and cut their left ring finger. At the OMC, first aid was given.
5/18/15	DART	An employee injured his arm while moving a cylinder. At the OMC, first aid was given. However, he was re-evaluated, given prescription medicine, and began to lose time after seeing the orthopedist.

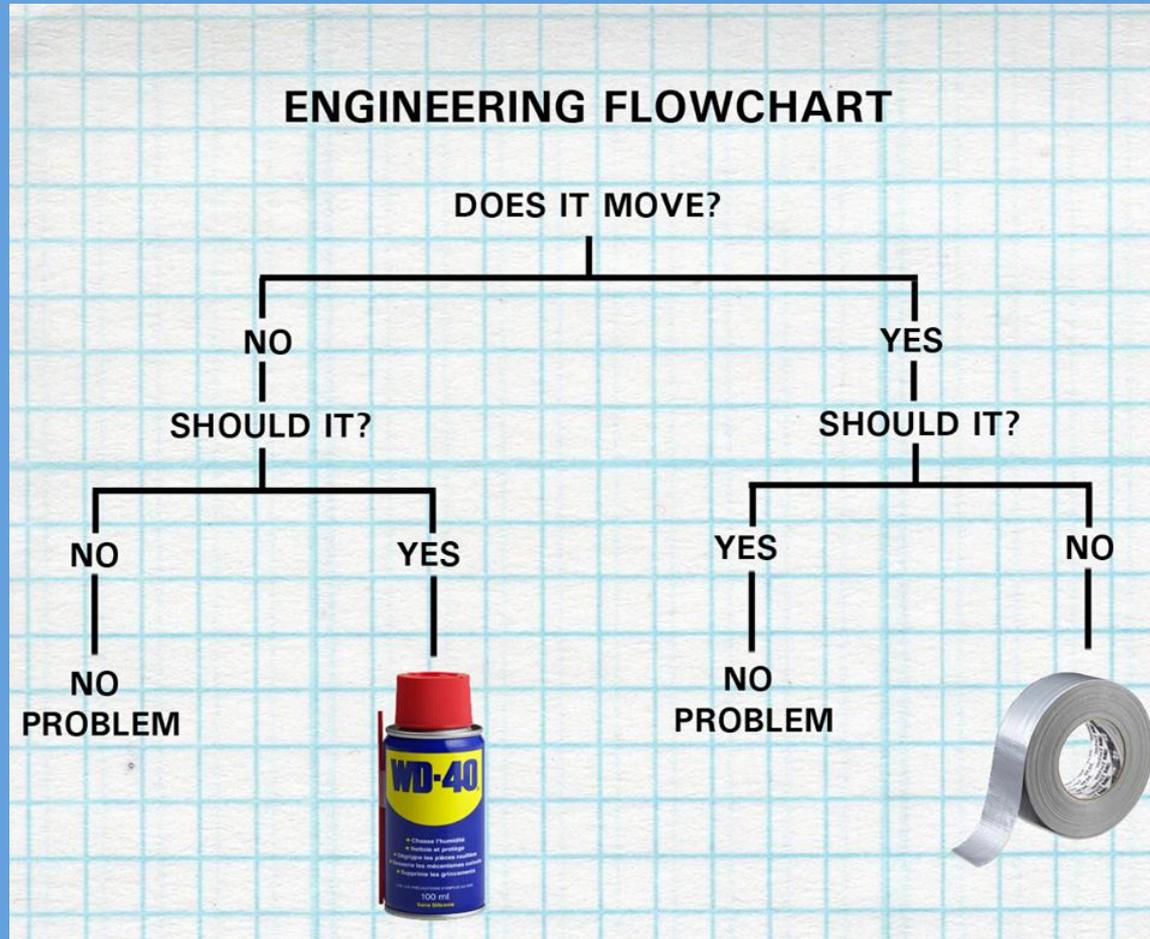
### Recent Events

6/2/15	SC-BNL	Plumbers were working to replace a leaking sprinkler head when the head broke and a copious amount of water flooded the area. While the plumbers had closed a water supply valve and drained it prior to working on the sprinkler head, they realized the correct valve had not been drained. The plumbers initiated a response with the support of Fire/Rescue and Water & Sewage. Repairs and cleanup have been initiated and an investigation is underway. There were no injuries from this event. ( <a href="#">Event Link</a> )
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# From Ray Karol:

1. Review the ways that you can get an MSDS for chemicals:  
[http://intranet.bnl.gov/esh/cms/MSDS\\_locator.asp](http://intranet.bnl.gov/esh/cms/MSDS_locator.asp)
2. Do not prop open Access Controls doors without first getting permission of RSC Chair- Dana Beavis, A. Etkin, R. Karol or Ed Lessard.
3. Do not move rad postings or rad ropes, only HP can do this.

# Where To Find PHENIX Engineering Info



[http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL\\_SSint-page.htm](http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL_SSint-page.htm)

