

PHENIX WEEKLY PLANNING



May 8, 2014
Don Lynch

This Week

PHENIX
WEEK
REPORT
NO. 14

- Run 14 Continues
- Controlled access Monday- fixed ERTI power supply
- No other scheduled access this week, next access 5/14
- Plan for 2014 Shutdown
- Tech Support for Run 14 as required
- Support for sPHENIX efforts as required



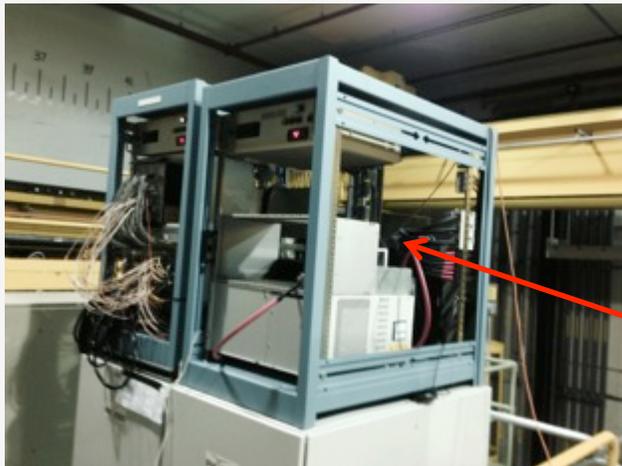
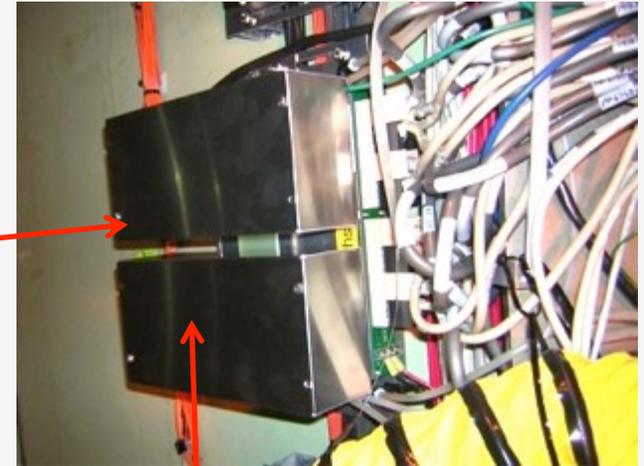
5/8/2014

Next Week

- Run 14 Continues
- Next access 5/14
 - MPC-EX FEM board swap?
 - Other work
- Plan for 2014 Shutdown
- Tech Support for Run 14 as required
- Support for sPHENIX efforts as required

MPC-Ex Initial (Partial) Installation

PHENIX
EXPERIMENT
MPC-Ex



FEM modules, waiting for modified parts

New MPC-Ex rack, done

5/7/2014

2014 planned Technical Support & 2014 Shutdown

PHENIX SUPPORT NORTH

Support for run 14	2/3-6/30/2014
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
Set up Physics lab for FVTX/VTX east	6/15/2014
End of Run Party	6/27/2014?
MuID Efficiency Measurement (Itaru, requires cooling water & isobutane)	7/7/2014
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
Remove FVTX/VTX East to PHYSICS?, repair and reinstall	7/14 - 9/15/2014
Remove MMS east vertical lampshade	7/28-7/30/2014
Troubleshoot intermittent water leak in MMS	7/30- 8/8/2014
Other Maint. In MMS	TBD
Reinstall MMS east vertical lampshade	TBD
Summer Sunday prep AH, tours and restore AH	7/30-8/15/2014
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

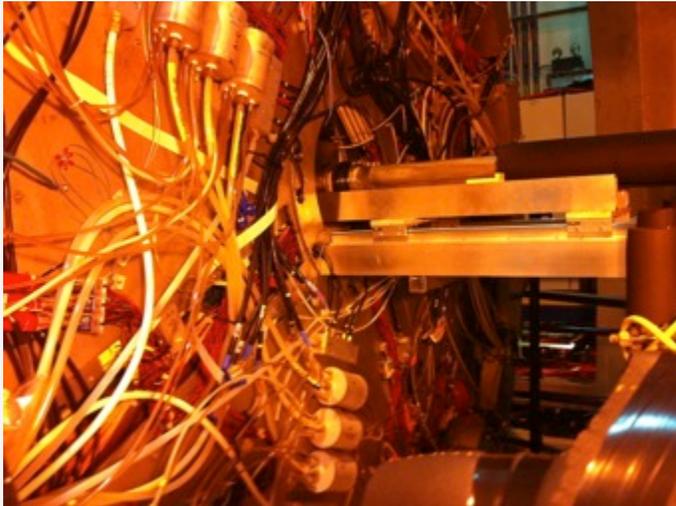
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MPC-Ex parts at CS finished., picked up today



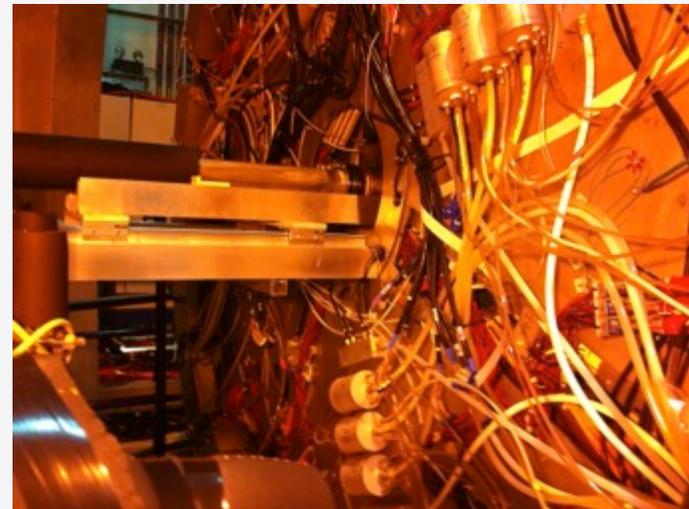
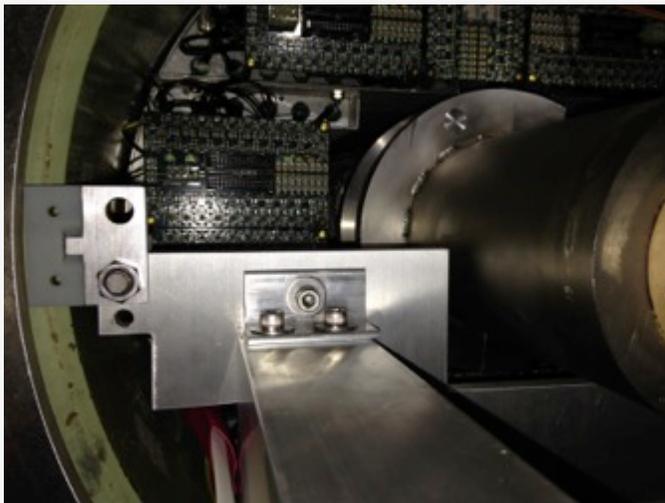
MPC-Ex N & S Final Installations This summer

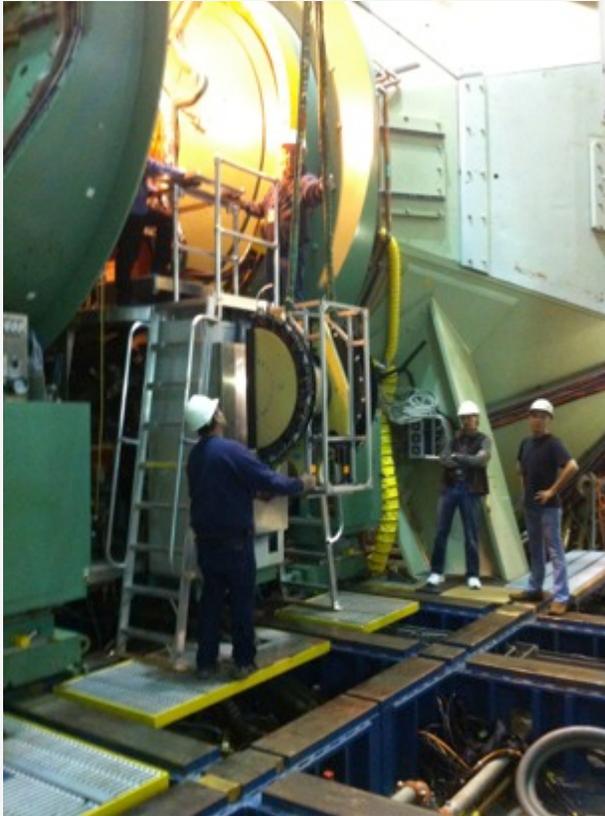


Need to design North BP support

Tungsten plates received, QC acceptable

Check production schedule for modules and boards





VTX/FVTX east repairs/
upgrades required

West to remain installed

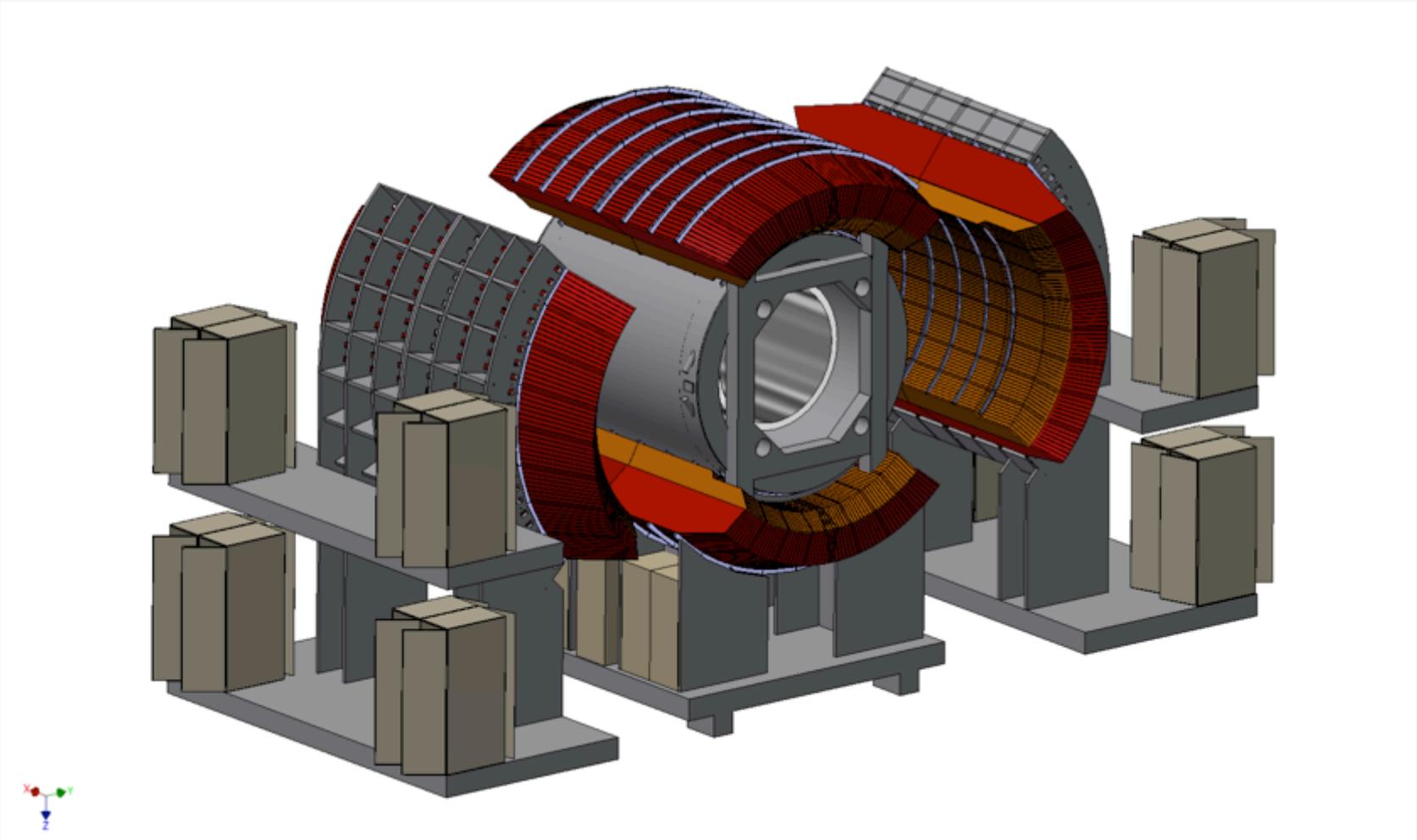
Need to get PHYSICS
FVTX/VTX lab ready by
~ mid June



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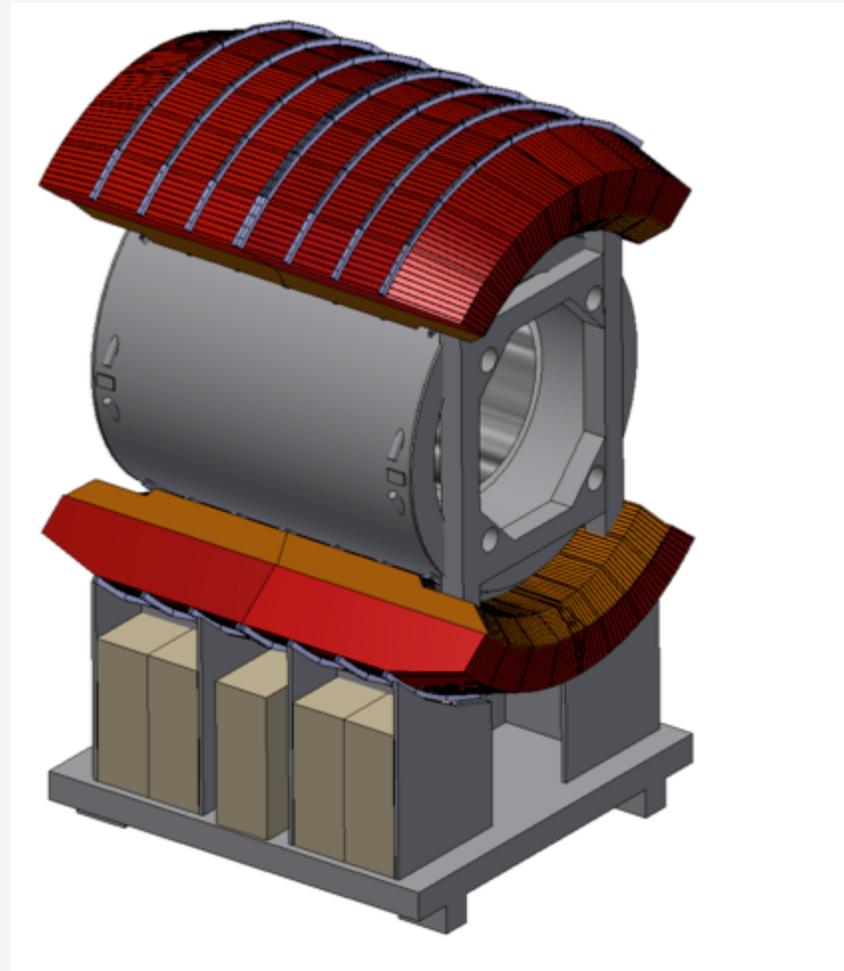
sPHENIX "Outie" Concept

PHENIX LABORATORY NORTH



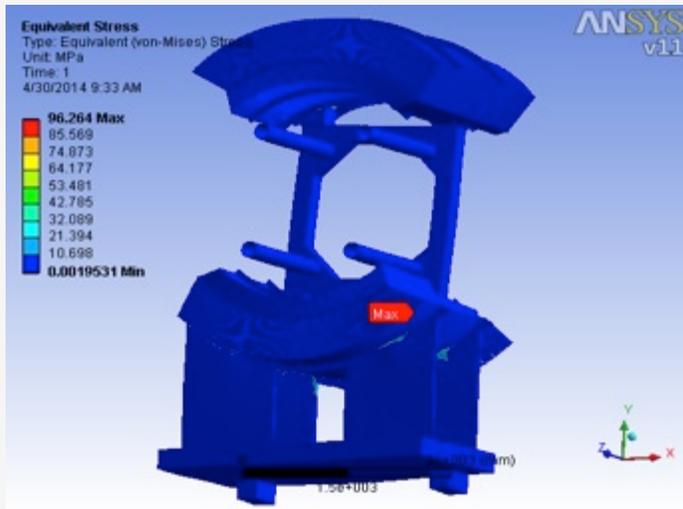
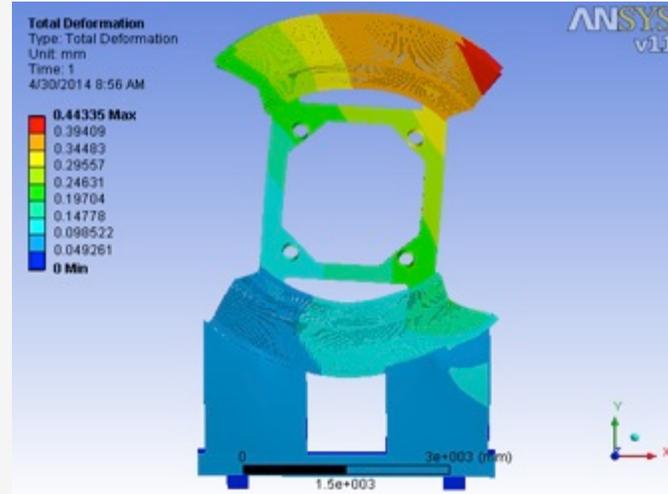
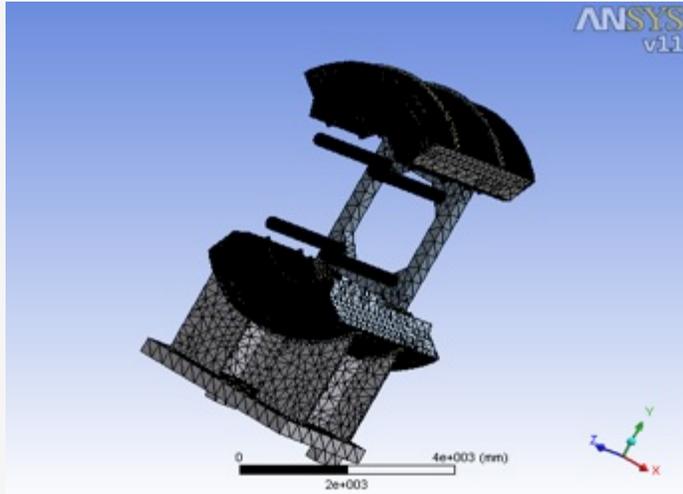
This is the design we will continue to pursue until if and when a final decision directs us to the "innie" option

HCal Central Pedestal

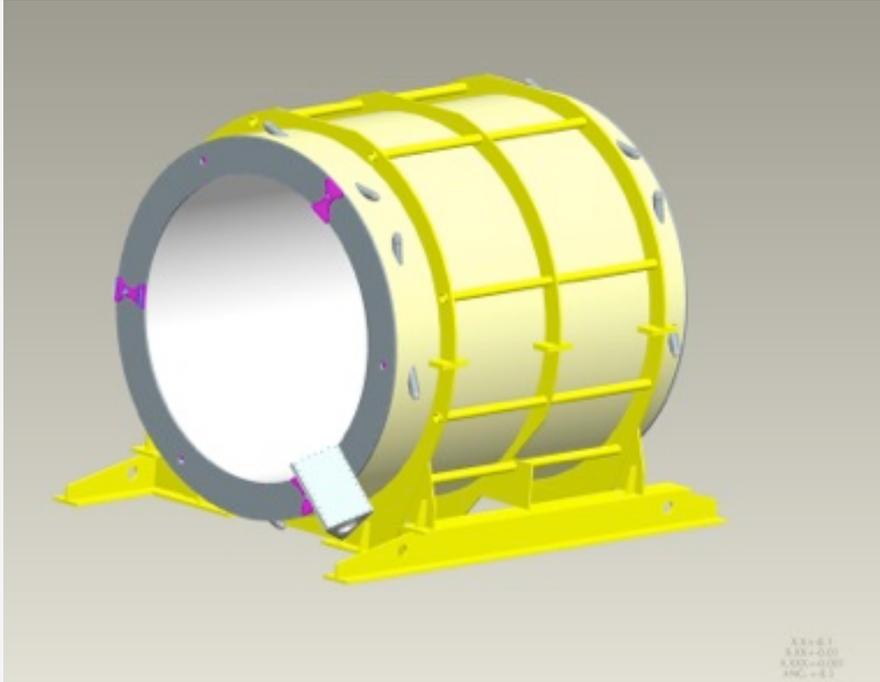


V1

4-11-14 NORTH - PROBABLY - SCALING - BACK TO PHENIX



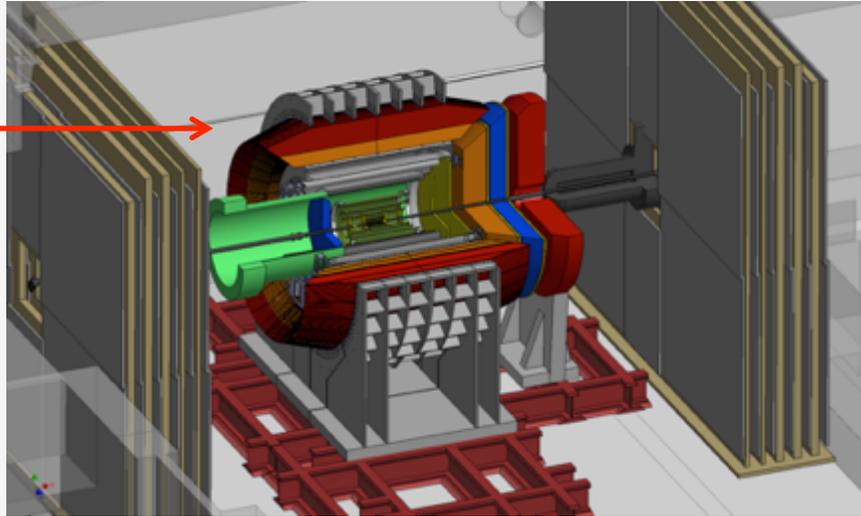
- A. Gordeev working on east/west carriage
- B. Stress analyses



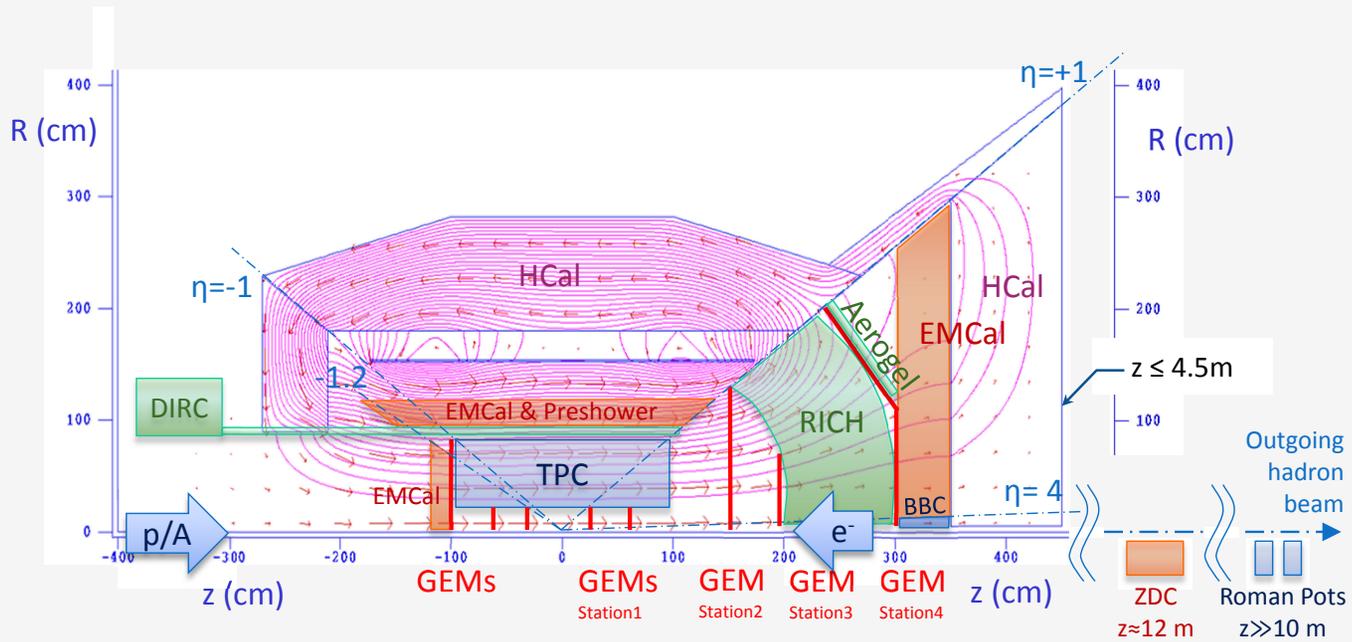
BABAR Magnet Transport to BNL & QC tests planning in progress

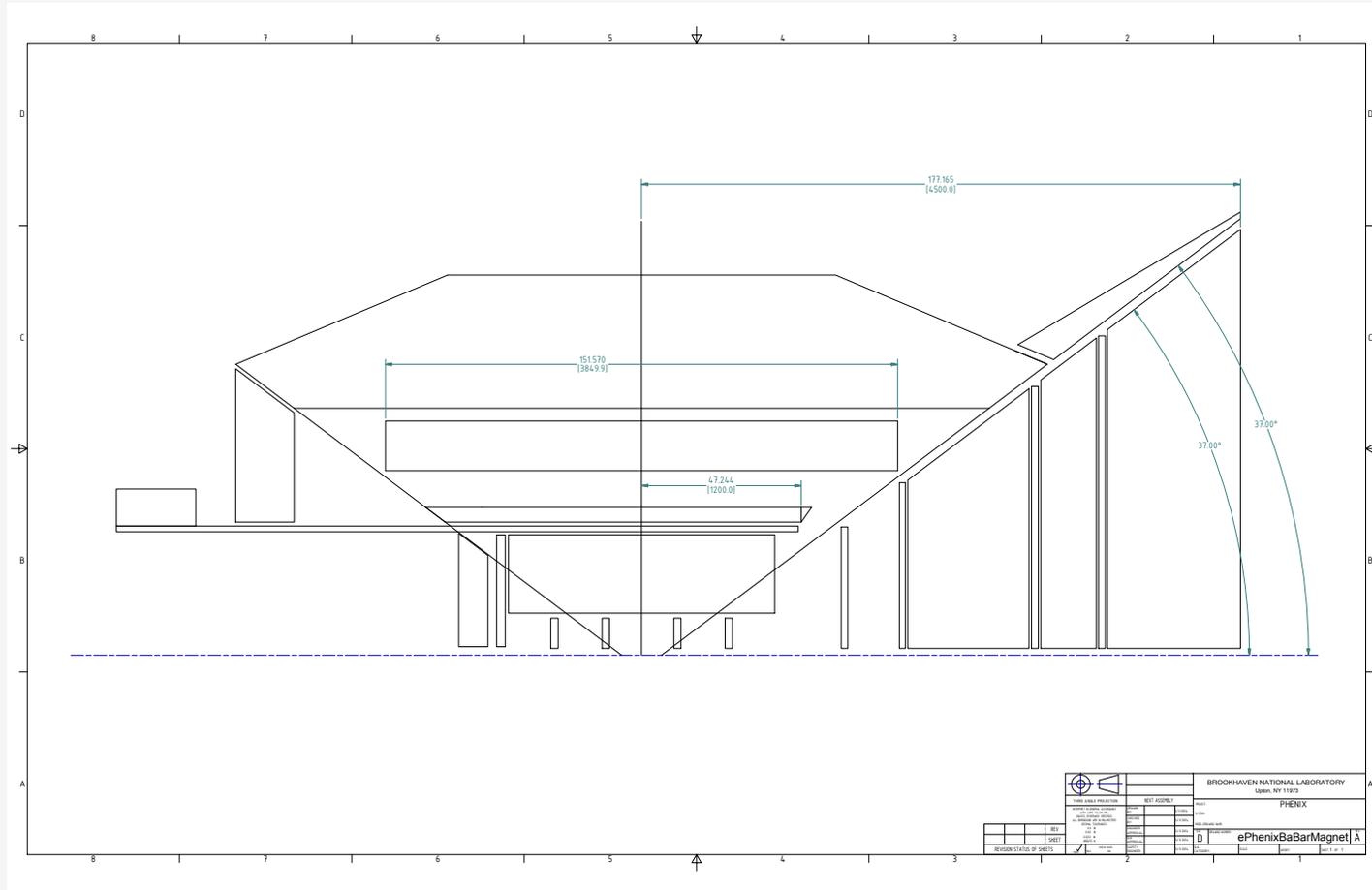
Expect to bring Magnet to BNL by 9/1/2014

2ft high x 1 ft wide clearance
needed for e-ring
components

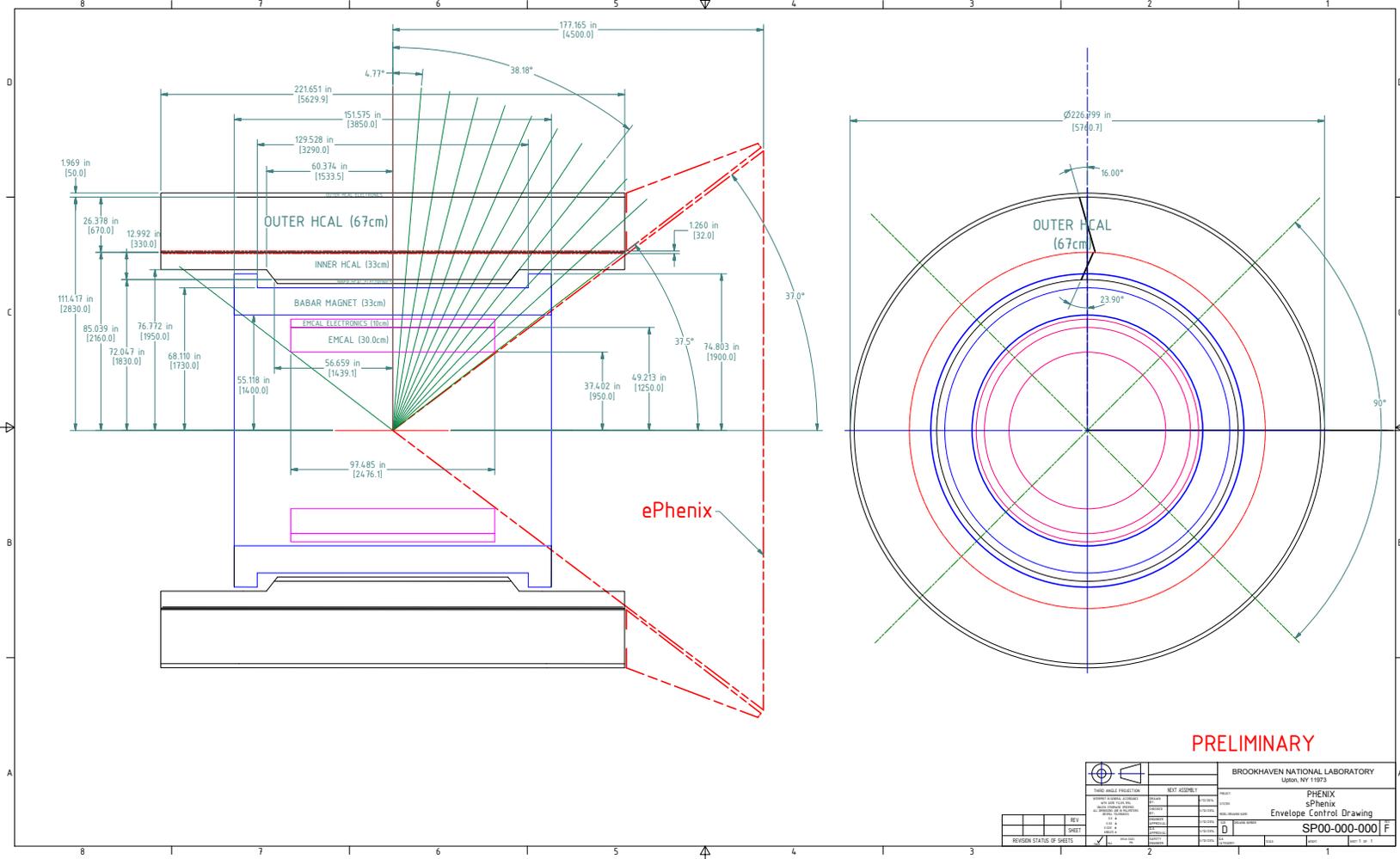


ePHENIX





5/7/2014



sPHENIX envelope control drawing, rev F (preliminary)
Now includes ePHENIX reserved space.

5/7/2014

Safety and Security

1. From Ray Karol:

Lessons learned:

Delay in Medical Evaluation after 277-volt Hand-to-Hand Shock Endangers Worker (at LBNL) Apprentice shocked, Journeyman told Foreman, Foreman did not report to General Foreman until next day when Apprentice complained of tightness in chest. Went to hospital examined and released.

No tragedy this time, but could have been: a. failure to report may place others at risk if shock source not repaired (b) Failure to get immediate medical attention may have tragic consequences .

2. From Walter Czekaj

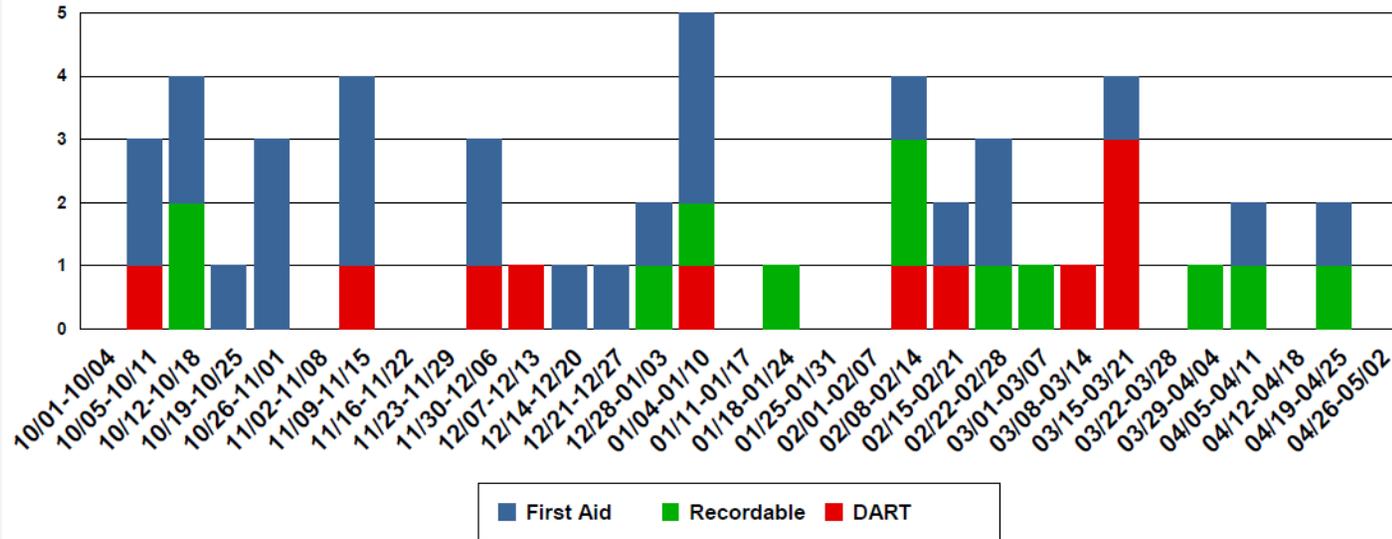
Central Shops worker picked a 48" by 58" 11 gauge (~1/8") steel metal sheet by himself

(~96 lb) dragged to a table using grippers, attempted to lift to table and "pop" with bicep pain. Sheet weight not marked. Result: training for lifting and postings for weight/weight calculation now required at ANL CS.

Lessons learned: **Shop Employee tears bicep while carrying sheet metal** (at ANL)

3. Anyone need ladder training?

Injuries Per Week (FY)
As of 5/2/2014



Injury Status:

FY14 YTD: DART – 11, TRC – 23, First Aid – 26

FY13: DART – 16, 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		
4/25/14	Recordable	An employee injured an arm while closing a barn door. This was reported to the Line and OMC after visiting a local medical facility and receiving prescription medication, making this a recordable injury.
4/8/14	Recordable	An employee reported to the OMC with hand and arm pain after using a non-powered hand tool. First aid was given and the employee returned to normal duties. <u>Update:</u> The employee is receiving physical therapy, making this recordable.



Recent Events

4/25/14	SC-BNL	A Stony Brook student was transferring hazardous waste from a satellite accumulation area to the 90-day waste accumulation area at Building 735, the Center for Functional Nanomaterials (CFN). One of the two bottles containing a hazardous waste chemical mixture suffered a release of approximately .67 gallon in lab 1-LO3-B. Fire Rescue arrived on the scene and began mitigation of the spilled chemical. The student was transported to an off-site hospital as a precautionary measure. After being evaluated at the hospital, the student was released without any further complications. (Event Link)
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Where To Find
PHENIX Engineering Info

Run 14 Continues!

Less than

2 months to go !

Don't Forget Mom:



Mothers Day This Sunday May 11