

PHENIX WEEKLY PLANNING



March 6, 2014
Don Lynch

This Week

PHENIX
 WEEK REPORT
 4-14-2014

- 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

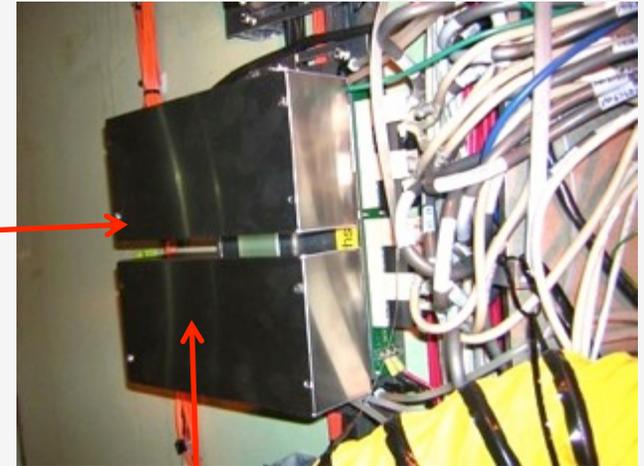
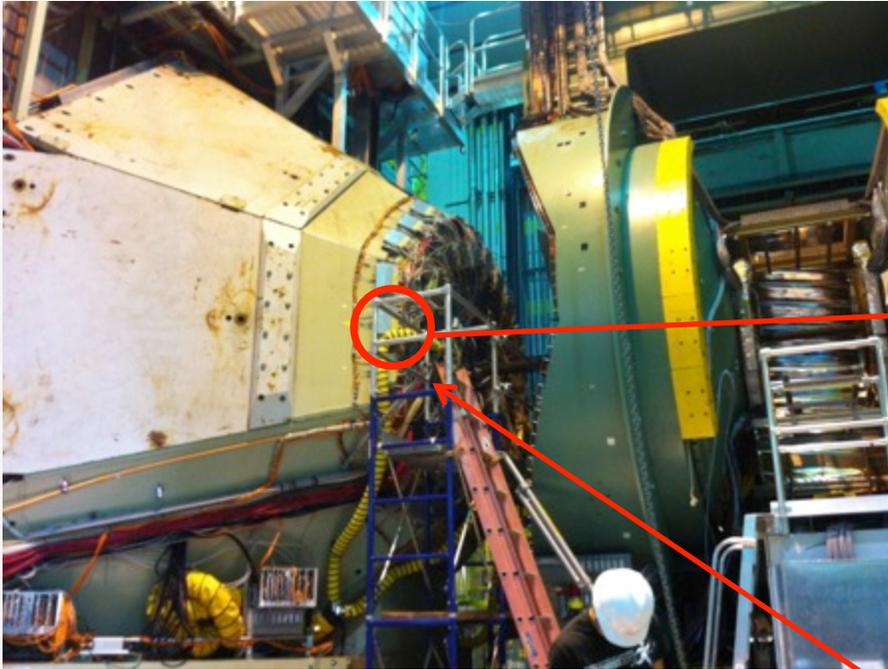


Next Week

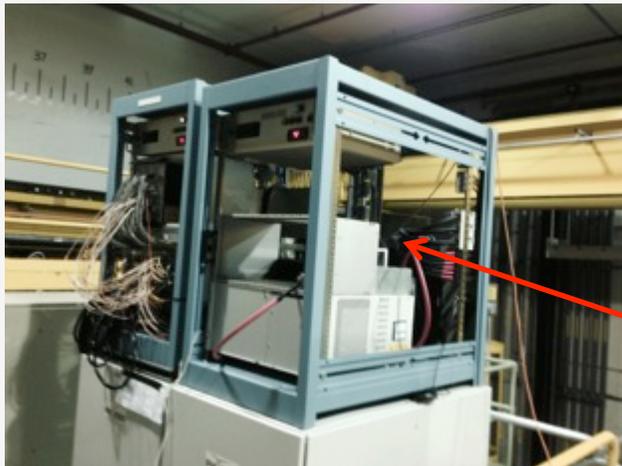
- Run 14 Continues
- Access 3/10?
 - Install MPC-Ex FEM Other IR maintenance/repairs
- Plan for 2014 Shutdown
- Tier I walkthru
- Tech Support for Run 14 as required
- sPHENIX Review
- Support for sPHENIX efforts as required

MPC-Ex Initial (Partial) Installation

PHYSICS DEPARTMENT NORTH



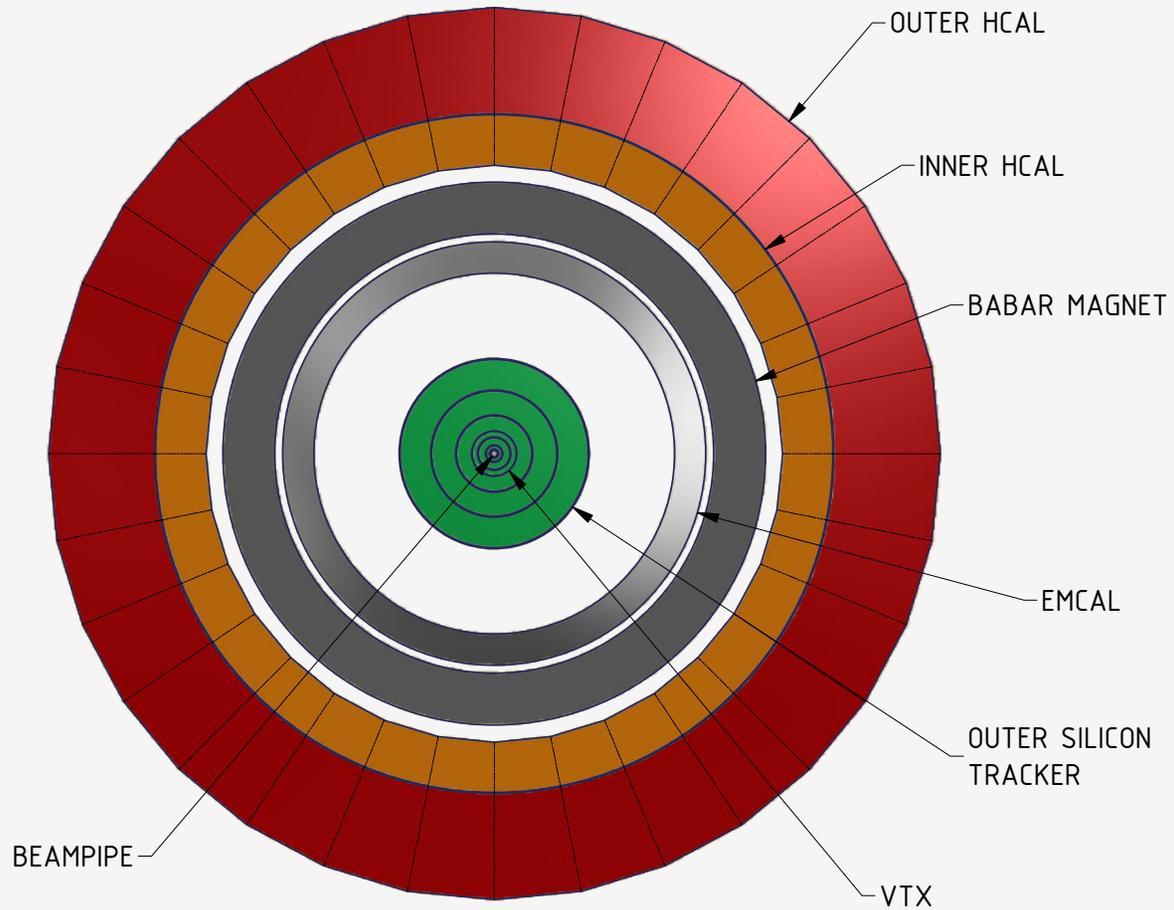
Mechanical installation
Complete Services
connected



New MPC-Ex rack

FEM assembly waiting for final
FEM modules

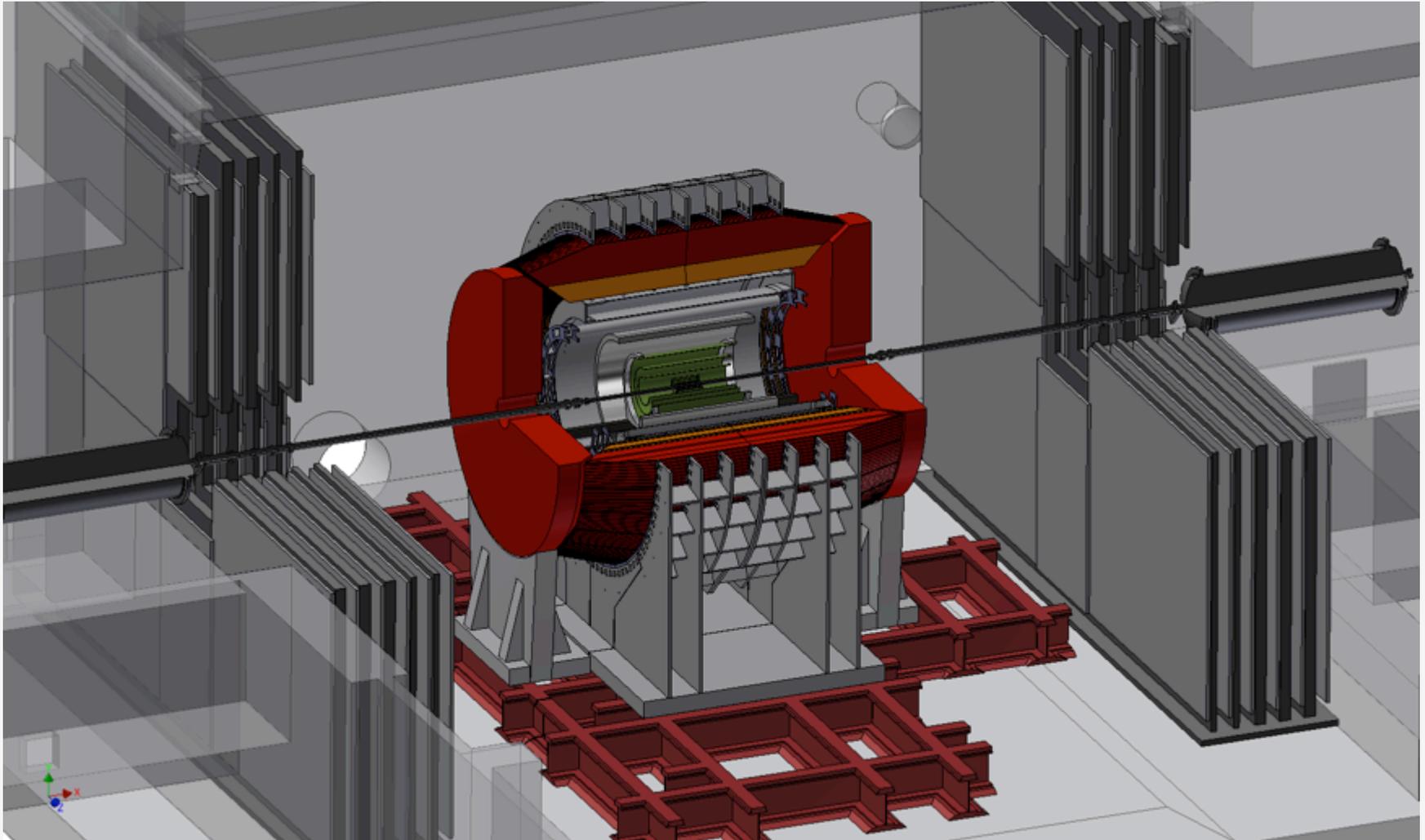
sPHENIX Detector Subsystems



3/6/2014

sPHENIX Overall Detector Design Concept

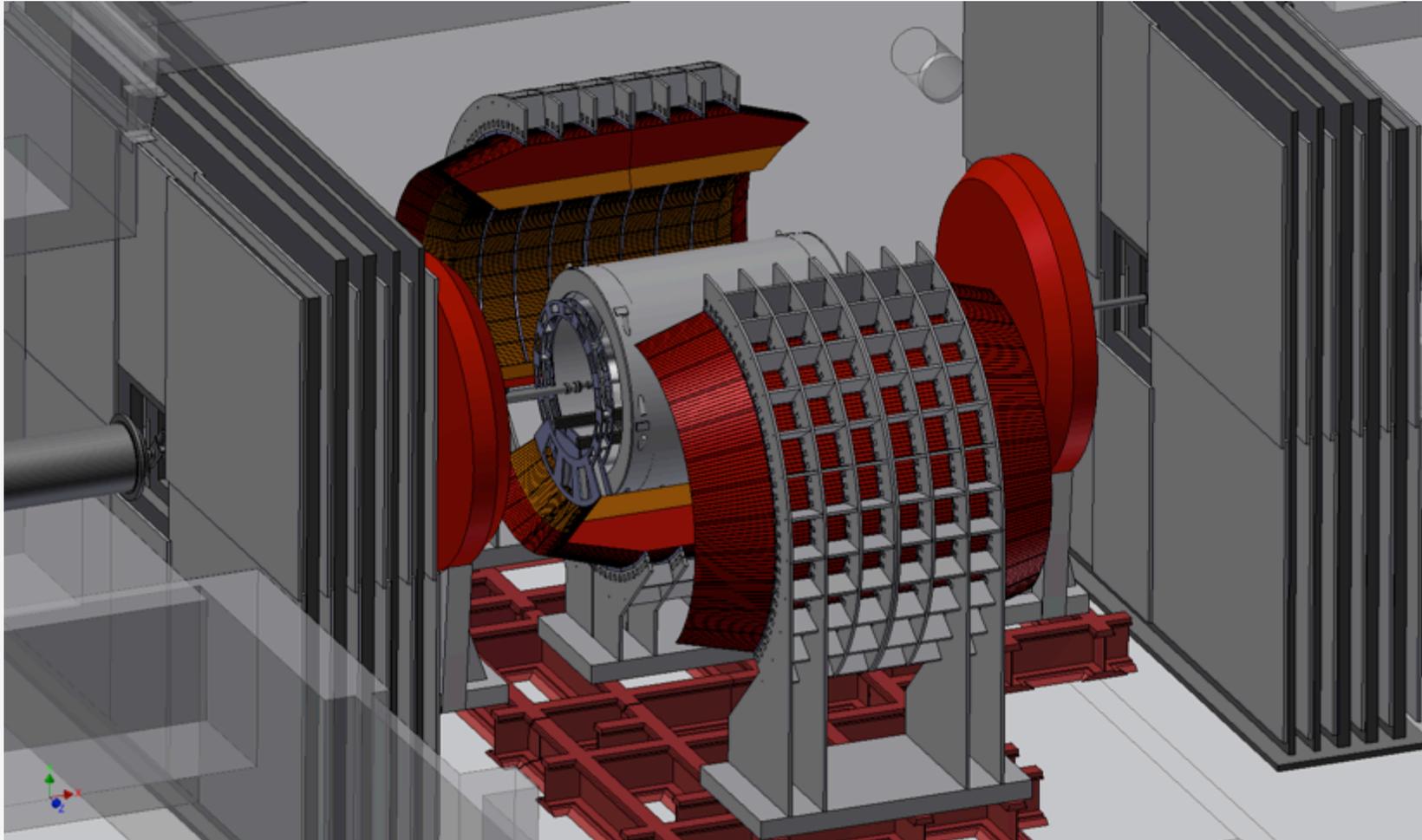
PHENIX NORTH



3/6/2014

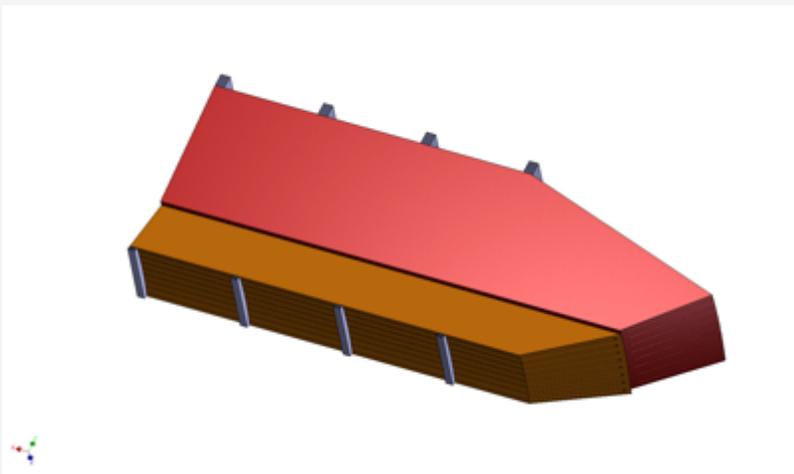
sPHENIX Overall Structural/Support Concept

PHENIX SOUTH

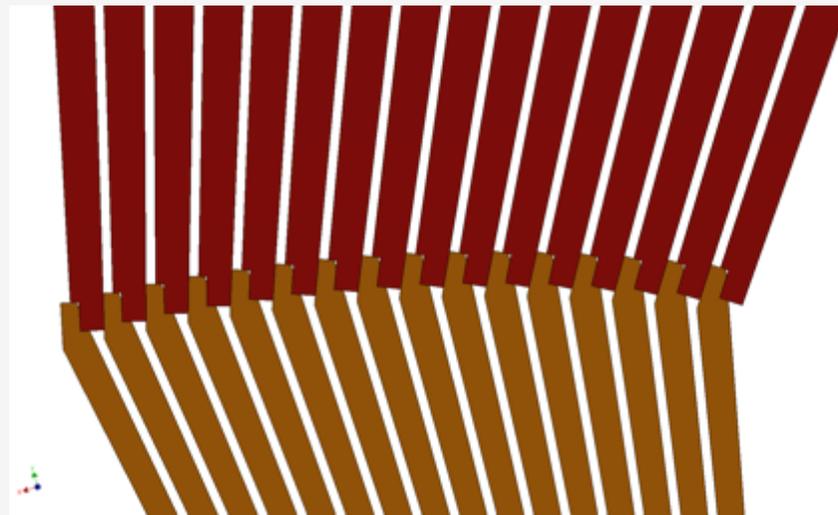


3/6/2014

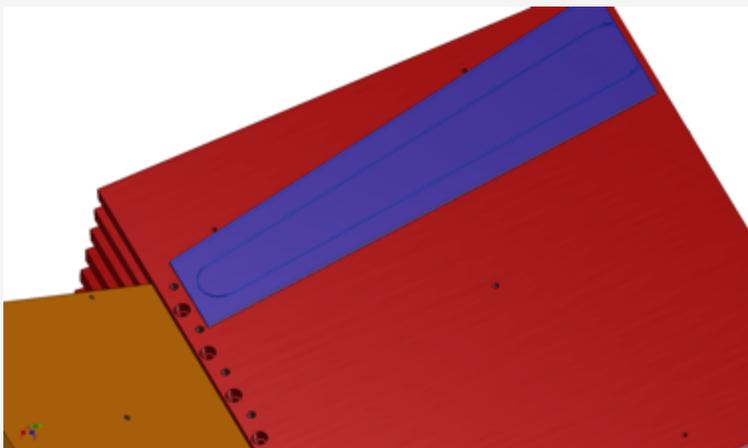
sPHENIX HCal Mechanical Design Concept



HCal Module



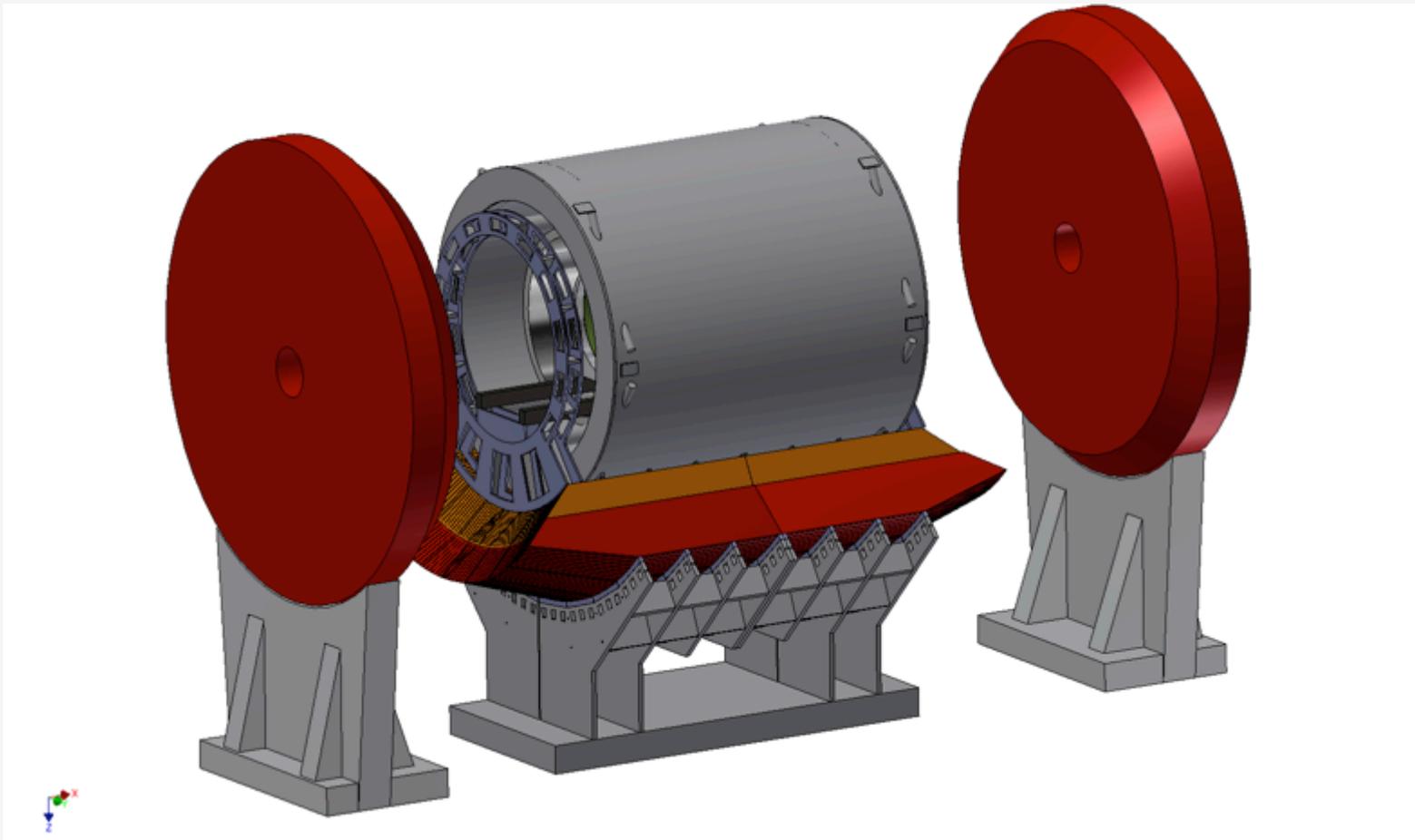
HCal Internal Steel Assembly
(Same as concept used in prototype)



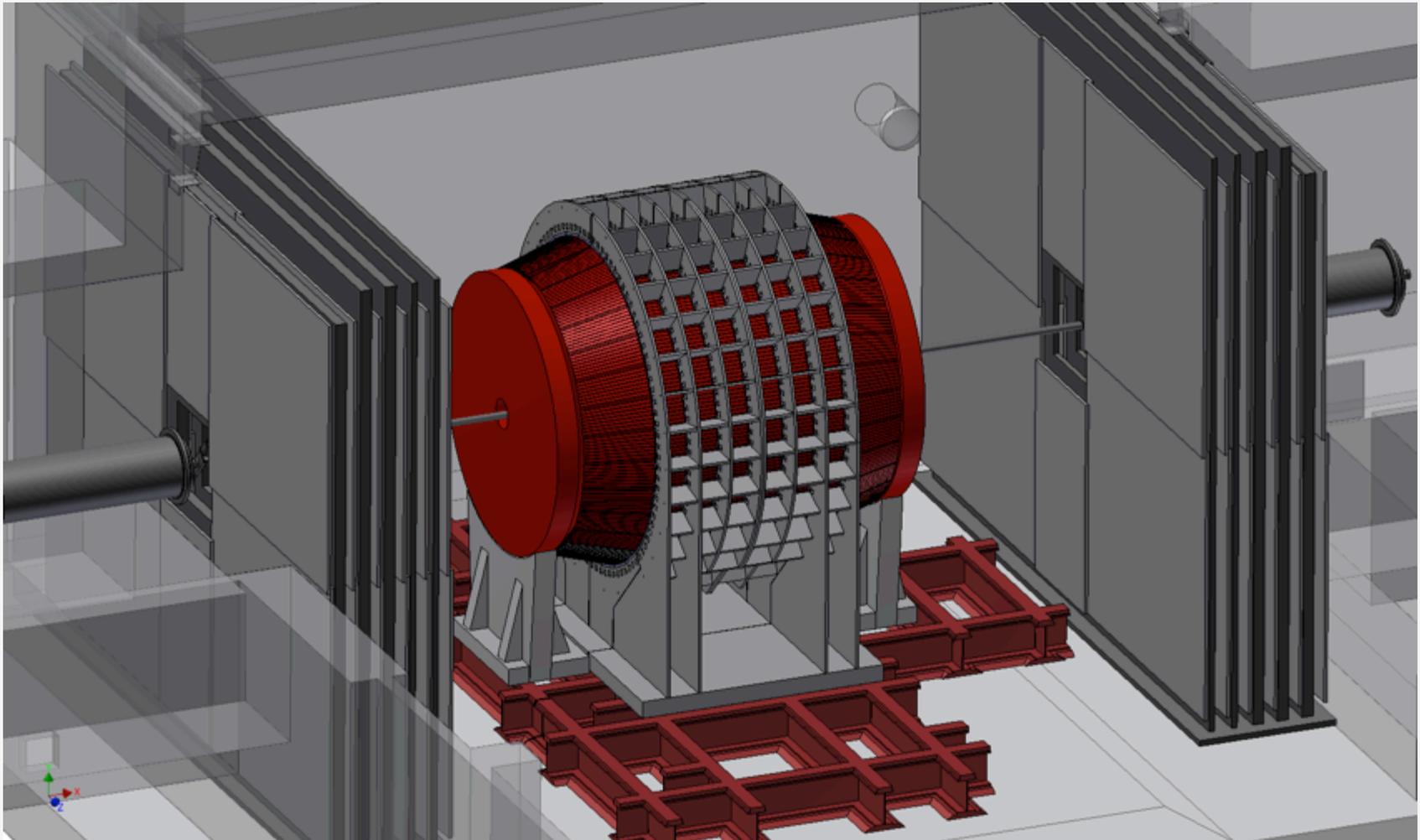
HCal Scintillator Light Collection
(Improvements to Prototype are needed)

3/6/2014

sPHENIX Flux Return End Caps, Basic Concept



PHENIX DECOMMISSIONING NORTH

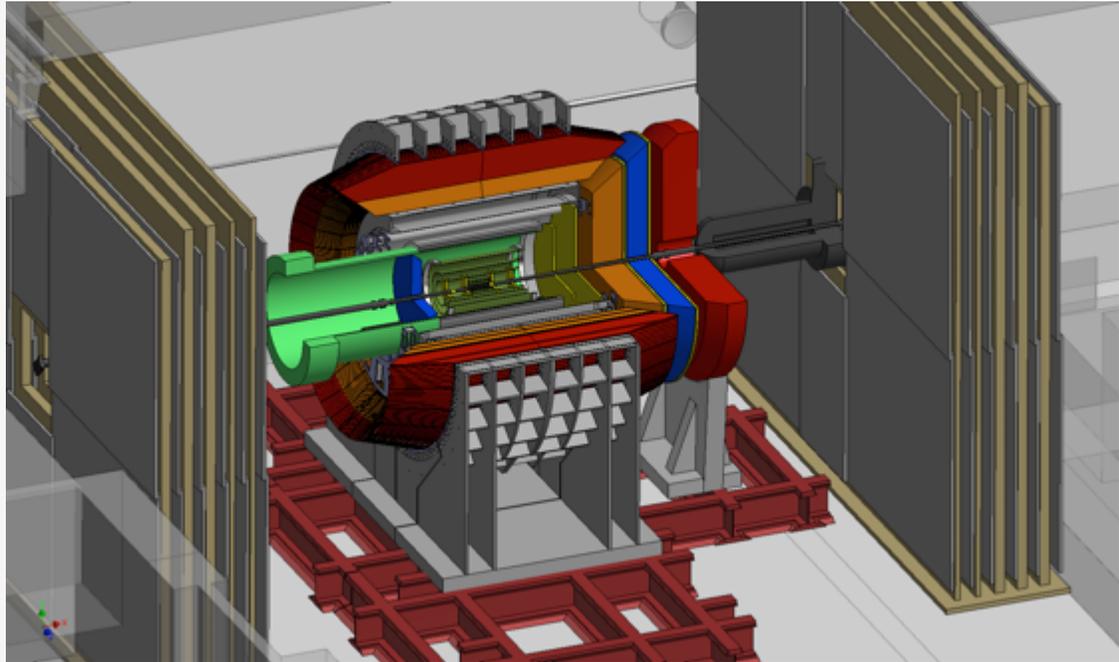


Updated sPHENIX Models

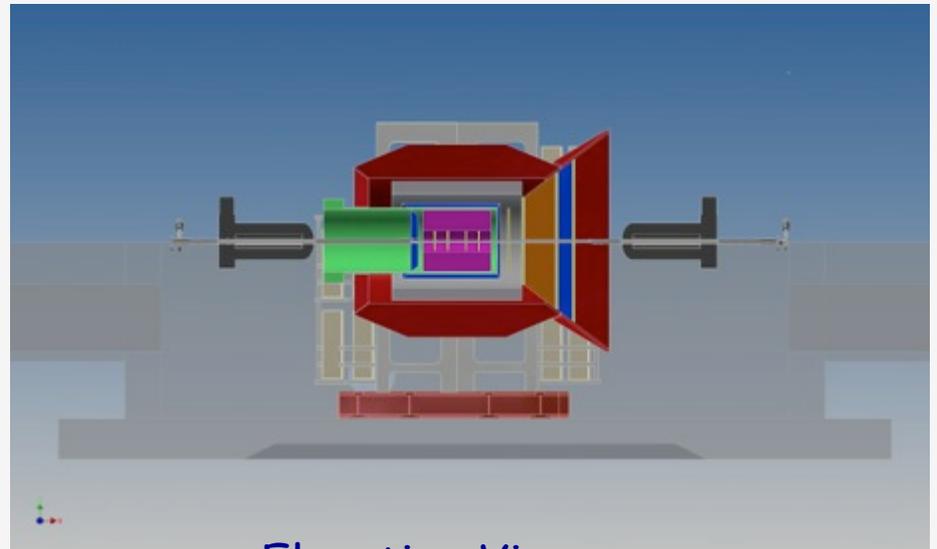
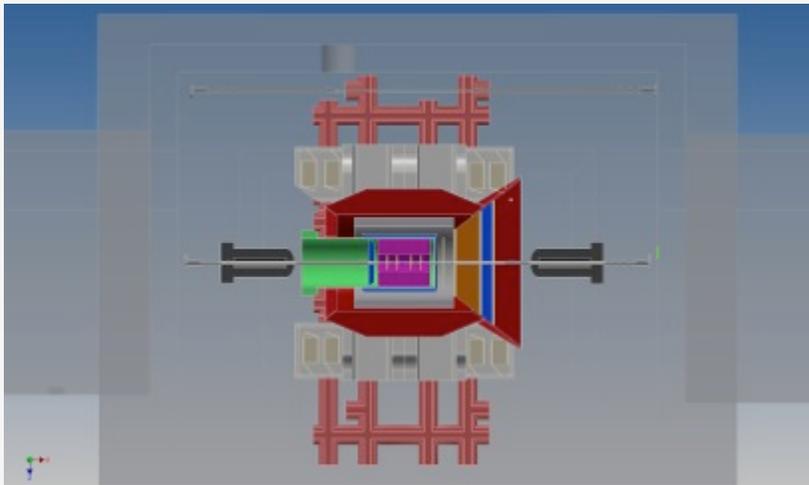
PHENIX Decommissioning
Plan is evolving

3/6/2014

ePHENIX



Plan View



Elevation View

2014 planned Technical Support & 2014 Shutdown

PHENIX
 SUPPORT
 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 next Wednesday, March 12 10:00 AM
3. Office Trailer Housekeeping: 2013 DOE/PPM walkthru found General Housekeeping less than optimal, particularly with respect to storage and equipment identification.



Recent Events		
2/26/14	Non-Reportable	A contract worker called the BNL Fire Rescue Group upon suspecting a slight odor of propane in Building 744. Fire Rescue responders used a sniffer and detected a slight leak in a propane tank connected to a forklift. The forklift was a rental, not yet in service, awaiting BNL inspection. The tank was removed and taken to an outdoor caged area. The vendor was notified. A vendor representative visited the site and removed the tank from BNL property. (Event Link)
2/25/14	Non-Reportable	Environmental Protection workers completed incoming package radiological surveys without the required re-training. Notifications that training was due did not follow the workers' recent department transfers. Job Task Analyses will be created and training deficiencies remedied before any work requiring such training resumes. (Event Link)
2/25/14	Non-Reportable	Bake-out heat tape on a vacuum chamber overheated and generated smoke in Pentant 3 of the National Synchrotron Light Source II (NSLS-II) tunnel. This tripped a high sensitivity smoke detector, resulting in a precautionary evacuation. The event was investigated by the BNL Fire Rescue Group. There was no fire and no injuries. (Event Link)



Where To Find PHENIX Engineering Info

Run 14 Continues!



From George Goode:

About daylight savings time:

"... workers got approximately 40 minutes less sleep that night, and on the following day workplace injuries increased 5.7%, and lost work days increased 67.6% as a result of increased severity of injuries."

Lightning Strikes Twice