

# PHENIX WEEKLY PLANNING

TECHNICAL SUPPORT



*No formal Planning Meeting This Week Due to Holiday Vacations*

12/29/2011  
Don Lynch

# This Week

- Continue RPC1 N & S commissioning
- Continue VTX/FVTX cabling & fiber installation
- Continue VTX/FVTX Commissioning
- Complete preparing EC and IR for Pink/White/Blue sheets
- Continue prep for run 12
- Shielding in RPC3 area (install rails and extended shield)
- Begin building Rolling Shield Wall
- Install CM Alignment Stops

## Next Week

- Continue RPC1 N & S commissioning
- Complete VTX/FVTX cabling & fiber installation
- Pink/White/Blue sheets
- Continue prep for run 12
- Shielding in RPC3 area (install rails and extended shield)
- Prep for Cosmic Ray Tests
- Complete building shield wall
- Move MMS to run position
- Install MuId collar
- MuTr S flowmeter upgrade
- Install MPC electronics Racks ????

TECHNICAL SUPPORT NOTES

- CM alignment stops
- Upgrade AH crane
- MPC electronics rack upgrade installation
- IR run prep, Pink/Blue/White sheets
- New and upgraded full detector commissioning
- Run 12 cooldown

Design & Fabrication Done,  
 Installation when convenient  
 After 1/17/2012  
 1/3/12  
 12/22-1/6/2012  
 In progress to 1/16/2012  
 1/17/2012

# VTX/FVTX Tasks

2011 Shutdown

TECHNICAL SUPPORT

- FVTX/VTX east cable routing, plumbing, QA tests
- FVTX/VTX final electrical/fiber/plumbing/monitoring installation
- FVTX connector restraint

In progress  
 In progress  
 In design

RPC Tasks

TECHNICAL SUPPORT

- RPC1 north and south commissioning
- RPC3 Shielding
- RPC Hodoscope

In progress  
 Large Blocks placed Rail extensions for  
 garage in progress  
 Mech Installation Done  
 Cabling by 12/31

TECHNICAL SUPPORT

- Commissioning

# Electronics Group Tasks

2011 Shutdown

TECHNICAL SUPPORT 2011

- MPC electronics replacement
  - Build racks 1/10/12
  - Install & wire racks 1/10/12
  - Test 1/16/12
- RPC hodoscope installation
  - Run cables 1/10/12
  - Test 1/10/12
- Run 12 restoration of detectors
  - EC rewire (power/cable/fiber) Done
  - CM restore magnet power, cooling Done
  - WC upgrades Done
  - Pink/White/Blue Sheets 1/10/12
- VTX restoration
  - Reinstall cables, fiber, cooling, monitoring 1/6/12
- FVTX installation and cabling
  - Racks: assemble, test, install on bridge Done
  - Fiber: install, terminate and connect 1/6/12
  - LV sensor and wedge: fabricate, install, terminate and connect 1/6/12
- Other ??? 1/17/2012

Miscellaneous Gas & Cooling System Tasks

TECHNICAL SUPPORT NOTES

- Replace MuTr flowmeters (north and south)
- Replace tygon lines (80 lines) from the cooling manifolds to the detector with 1/4" ID teflon tubing.
- Insulate whatever Big Wheel chiller lines in the IR that we can get to to reduce sweating in the IR.
- Build a system to clean the Novec during the run.
- Pixel cooling upgrade for 10° C without impacting strip-pixel cooling.
- Replace all cooling RTD transmitters
- MuID panel circulation. Class one div 2 fans.
- Other

north done, south by - 12/31

Lines ready for installation

AH lines are done

In progress

Ready for installation

Parts here ready for installation

Design in progress?

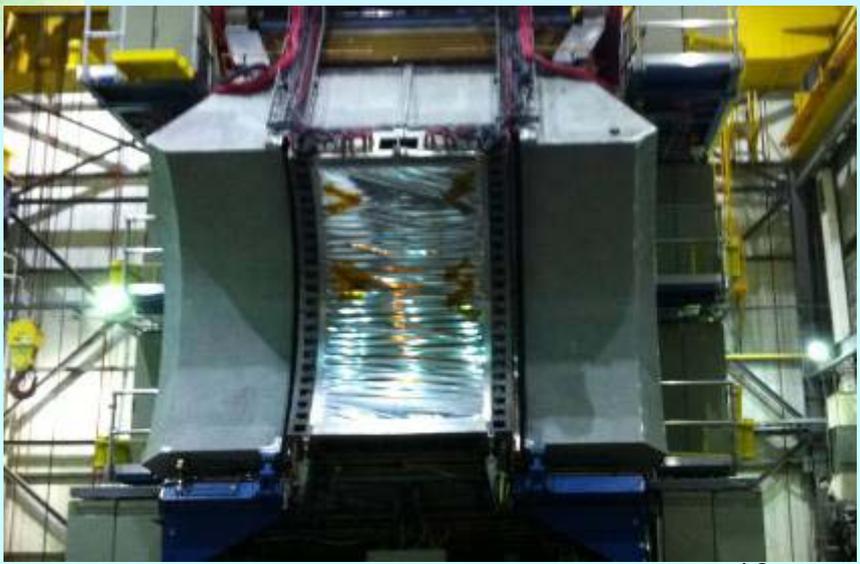
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RPC1N

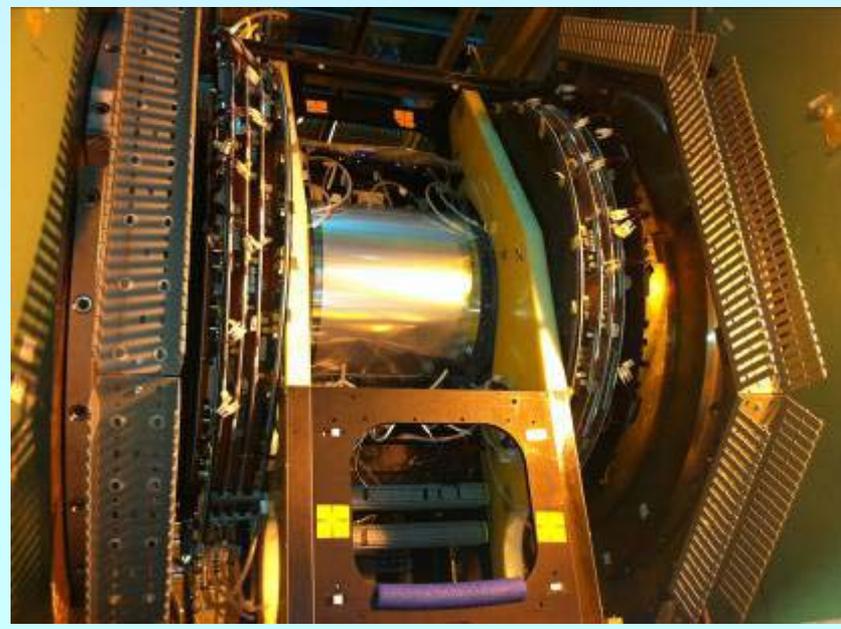
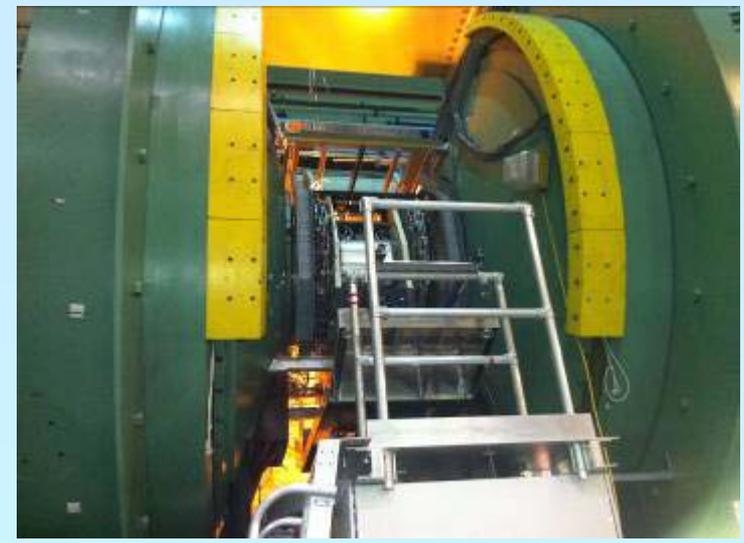
TECHNICAL SUPPORT NO. 1



DCW

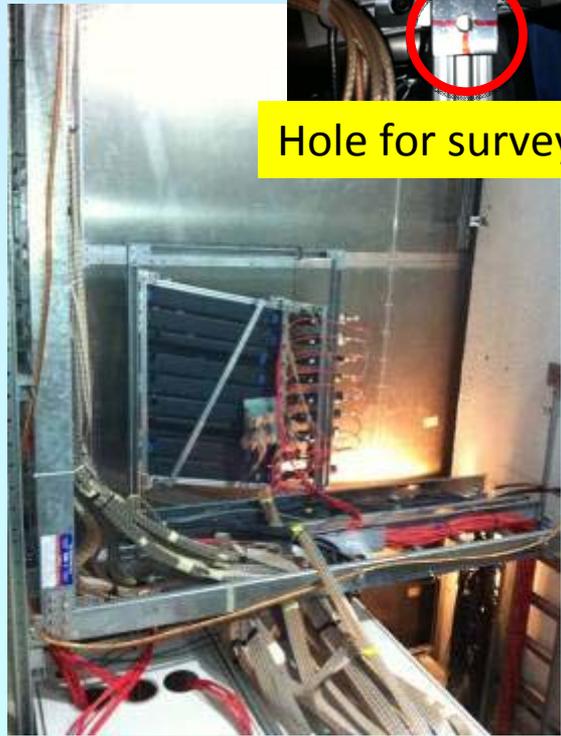


TECHNICAL SUPPORT NO. 1

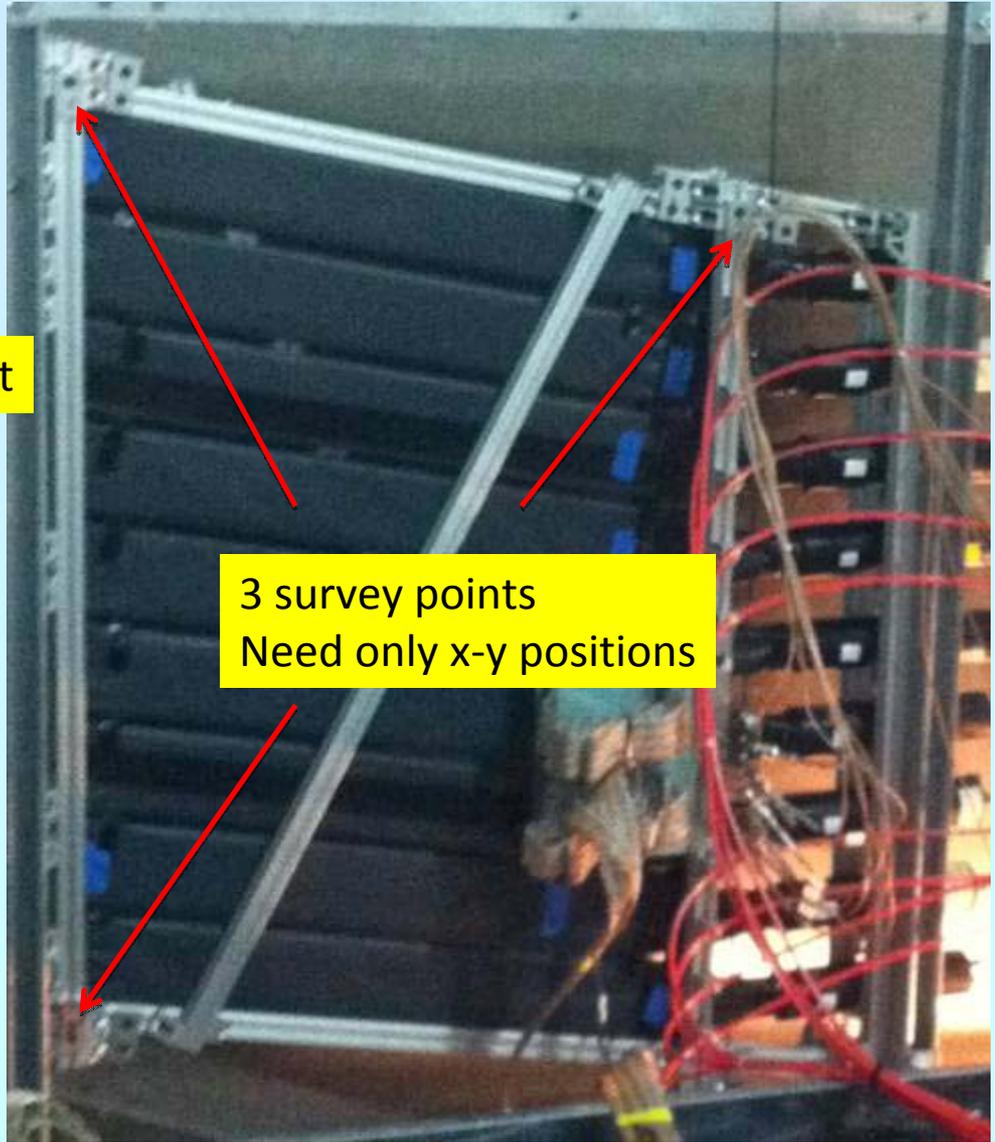


# North Hodoscope

TECHNICAL SUPPORT NO--



Hole for survey point



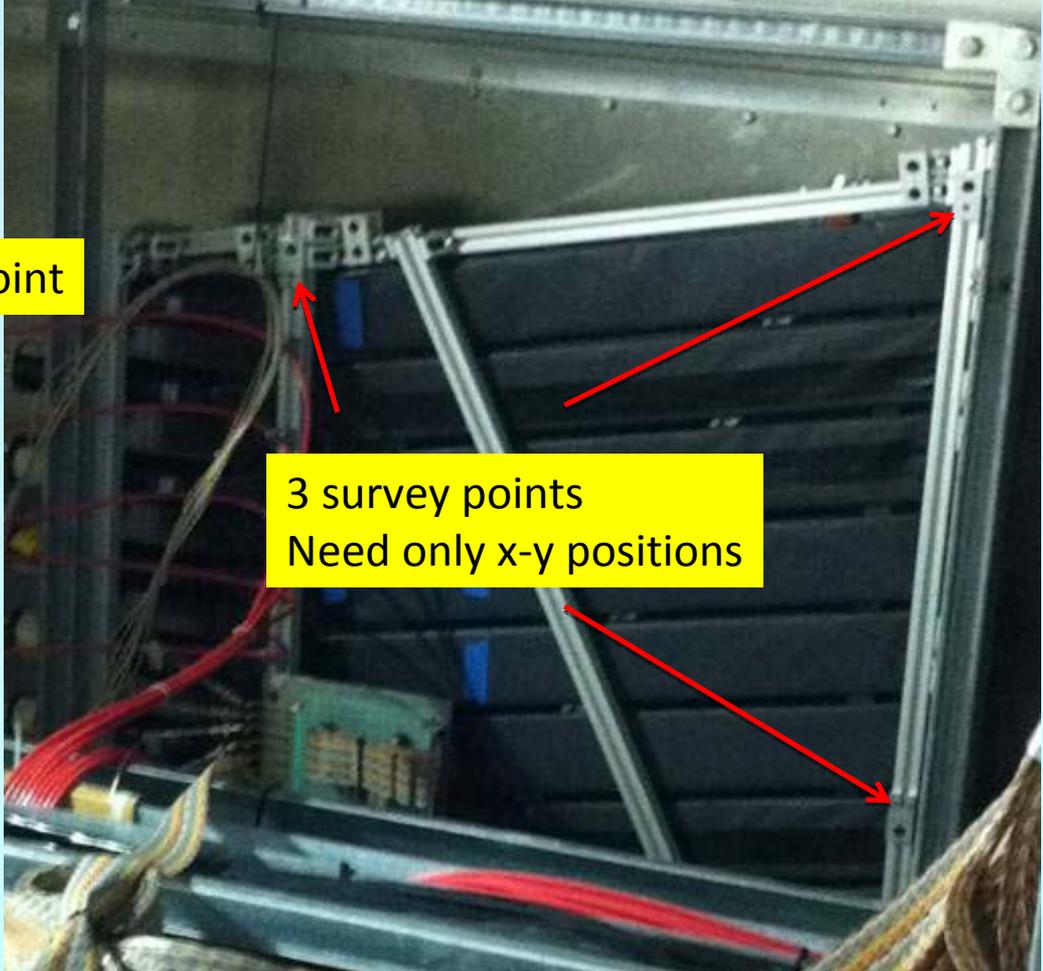
3 survey points  
Need only x-y positions

# South Hodoscope

TECHNICAL SUPPORT NO. 1



Hole for survey point



3 survey points  
Need only x-y positions

TECHNICAL SUPPORT NO--



MPC  
new  
electronics  
racks

# Infrastructure Issues

TECHNICAL SUPPORT NO. 1

- Roof leaks in utility bathroom at northwest corner behind tech offices, over door between rack room and assembly hall, over door between control room and elect. ass'y room, southeast corner of IR and laser room.



- Flooding in AH/ Driveway heaving



- Electronics test/assembly room-to-parking lot door (does not open/close/lock properly - needs to be replaced)

TECHNICAL SUPPORT --

Have Fun over the Holidays but Be Safe



# Where To Find PHENIX Engineering Info



Links for the weekly planning meeting slides, archives of past meeting slides, long term planning, pictures, videos and other technical info can be found on the PHENIX Engineering web site:

[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)

