

# PHENIX WEEKLY PLANNING

TECHNICAL SUPPORT NO-0



2/11/2010  
Don Lynch

# Ongoing Tasks for Run 10

## Task

Start Date

End Date

Install rack components in RPC3 N racks

in progress

2/28/2010

Attach cables to RPC3 N racks and to Detector  $\frac{1}{2}$  octants

in progress

2/28/2010

Install blower for RPC3N thermal control

in progress

2/28/2010

Send mass flowmeters out for recalibration (DC/PC, MuID, TOF.W)

In Progress

?

AH Crane 110 switch for lockout

In Progress

6/30/09

## PHENIX Startup Checklist Status

Item

Responsibility

Status

Item 1: ESRC relevant items completed

Wood Stairs

Phillips

Post Start

Update Work procedures

Cirnigliaro, Lynch

Post Start

Item 4: HBD Mock Up

Lynch

After Run 10

Item 11: Fire Pull Box

Phillips

Post Start

Item 12: Dumb Waiter

Lynch

Waiting For  
LSC Response

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## Snow

Maintenance Access postponed from snowy Wednesday to Friday:

- fix emCal FEM, if not fixed before then
- muon tracker FEM fixes and HVZ fixes
- change muTrg TLD's on south station-1
- fix west carriage light
- HBD rack work
- Continue RPC3N electronics installation
- RPC3N blower test install
- RPC3S above MuID supports measurements
- Other DAQ work

RPC3S drawings ready for CS

Run 10 Tech support as necessary

Continuing Preparation for 2010 Shutdown

Continuing support for future upgrades



Next Week:

Lab Holiday 2/15

No Scheduled Maintenance

Run 10 tech support as necessary

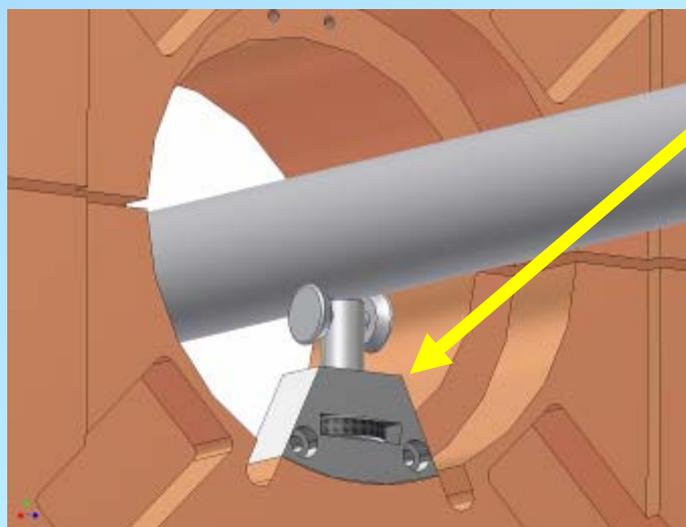
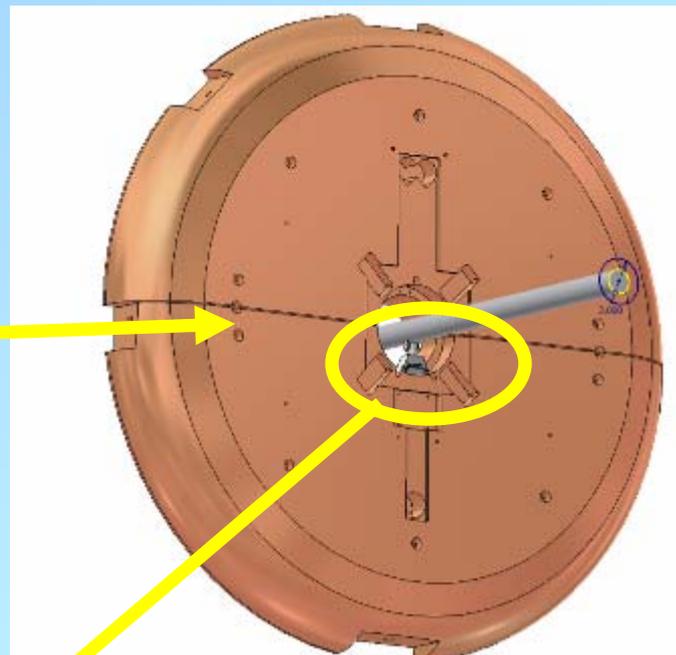
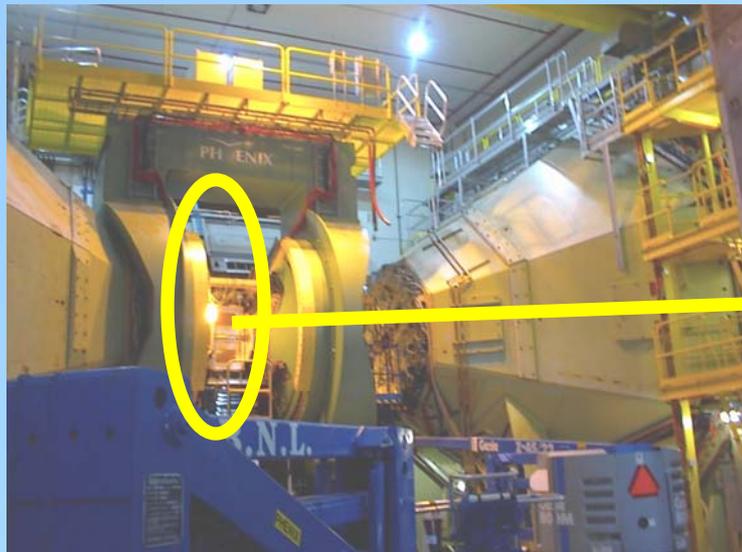
2010 summer shutdown prep continues

Future upgrade support as necessary

Prep for beampipe installation review

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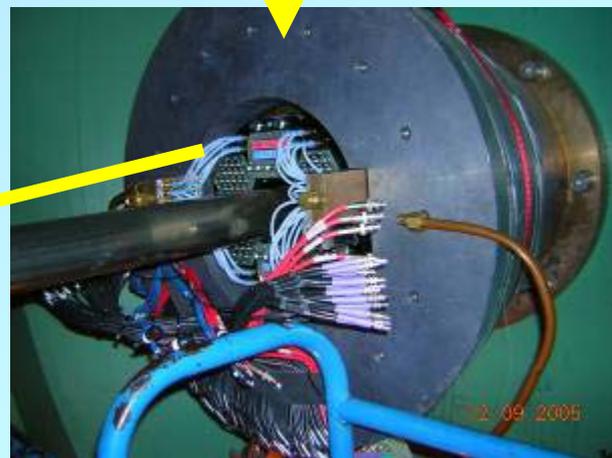
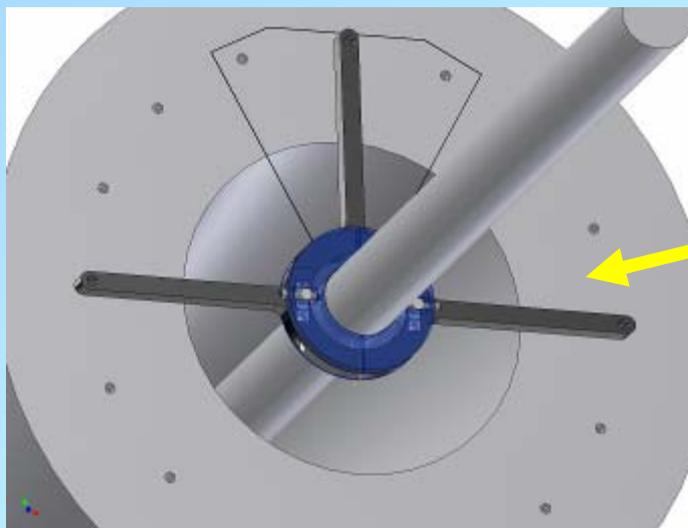
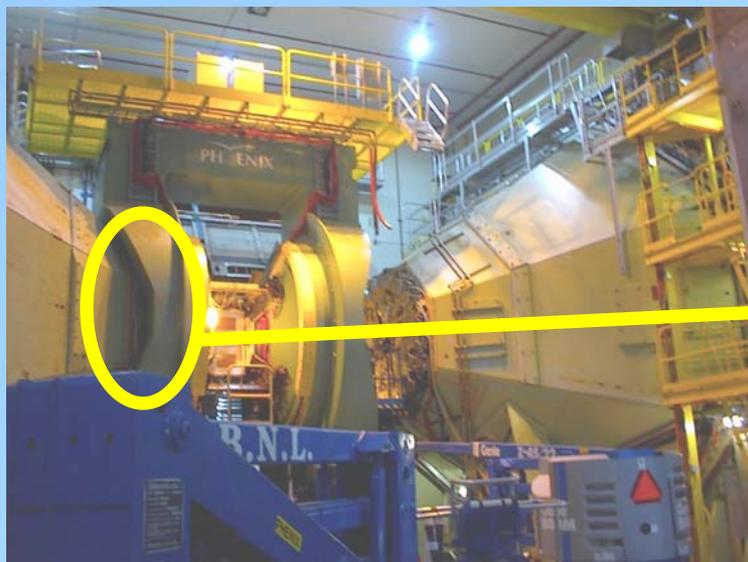
# CM central BP supports (2 req'd)

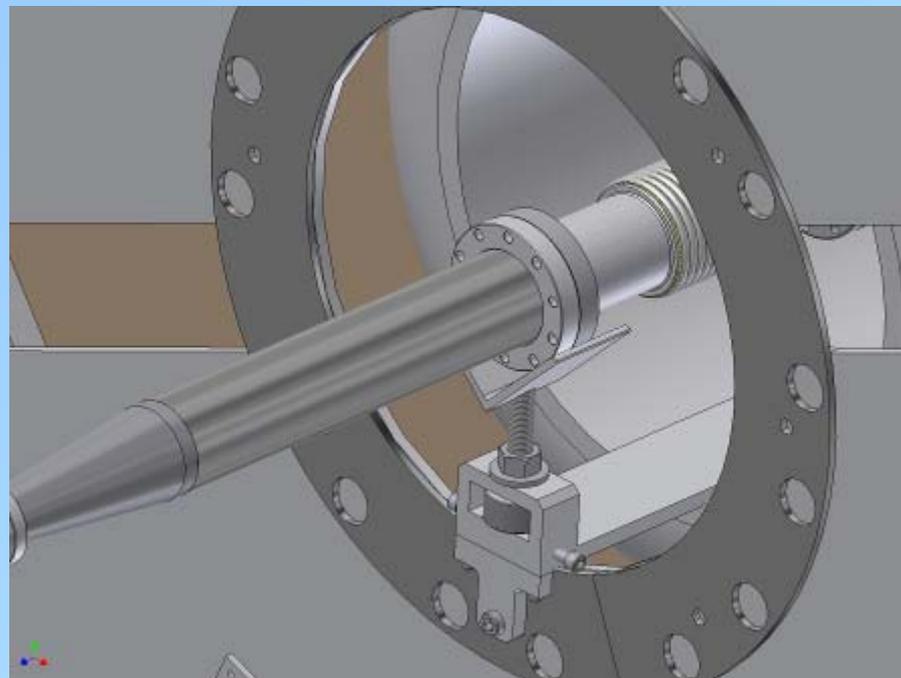


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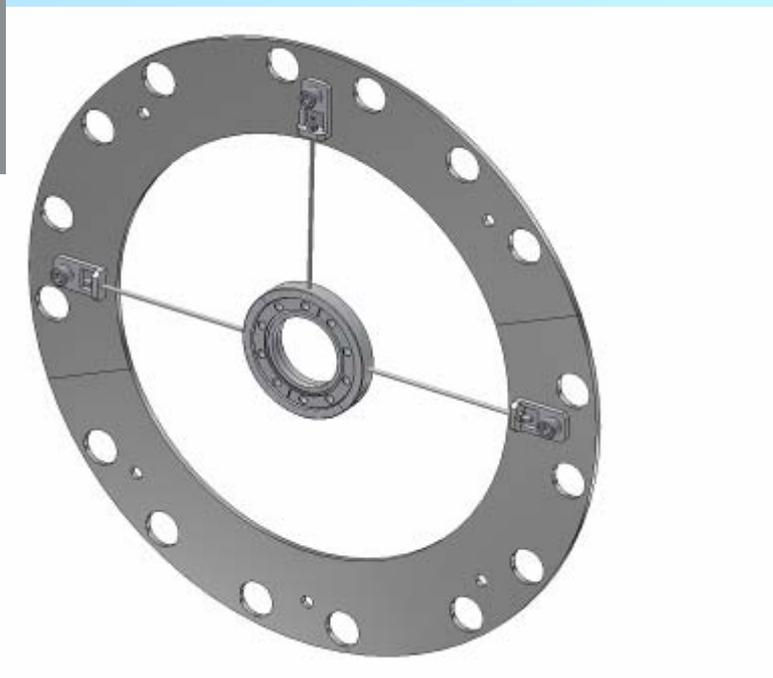
# South Flowerpot BP support

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North MPC Cavity BP support

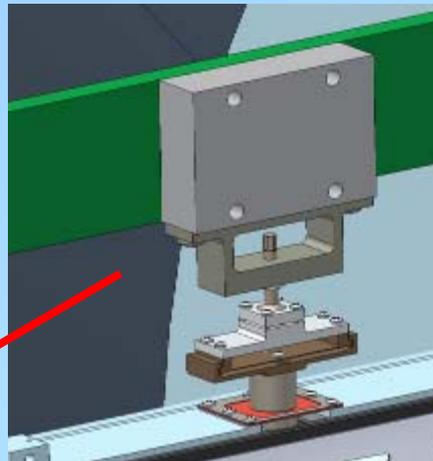
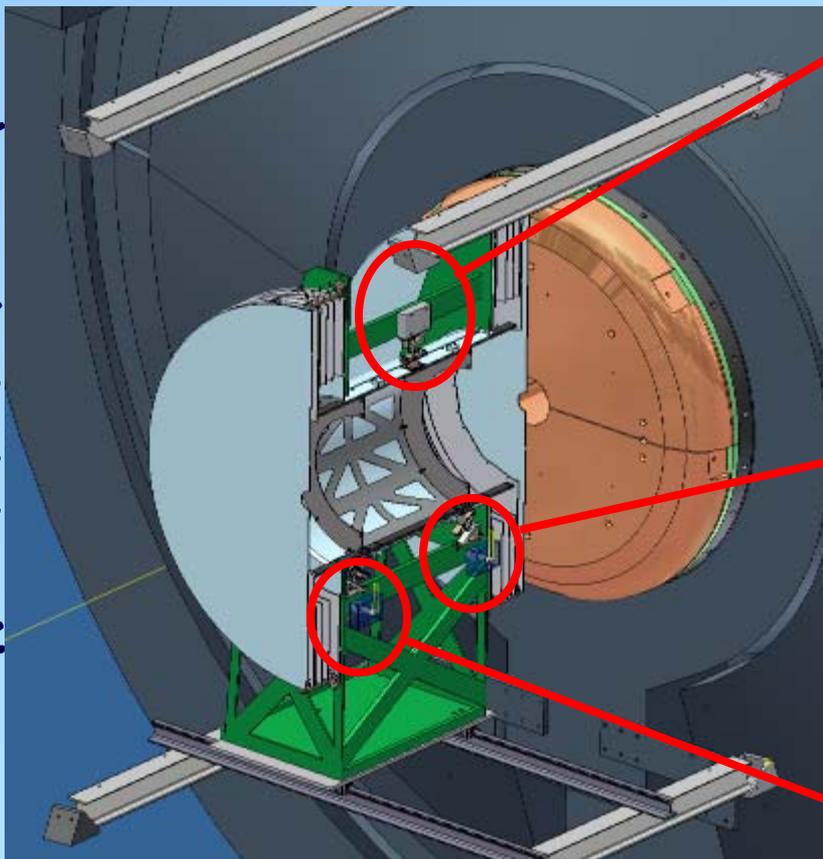


ЛУЧШИЙ УДАРОК НО-О

# VTX Installation Plan

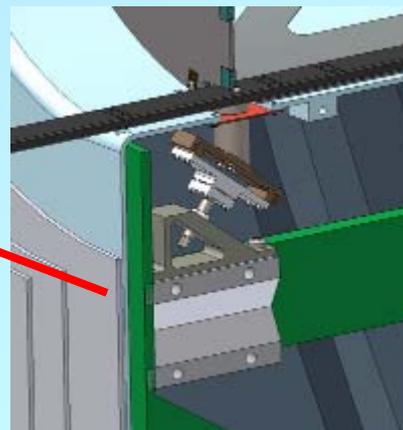
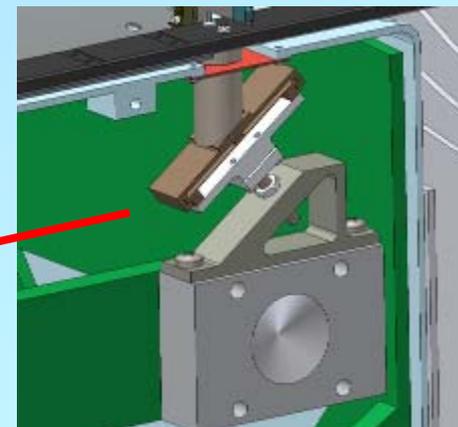
Kinematic mounts for mating east and west detector halves

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2 DOF (Y & Z)

0 DOF

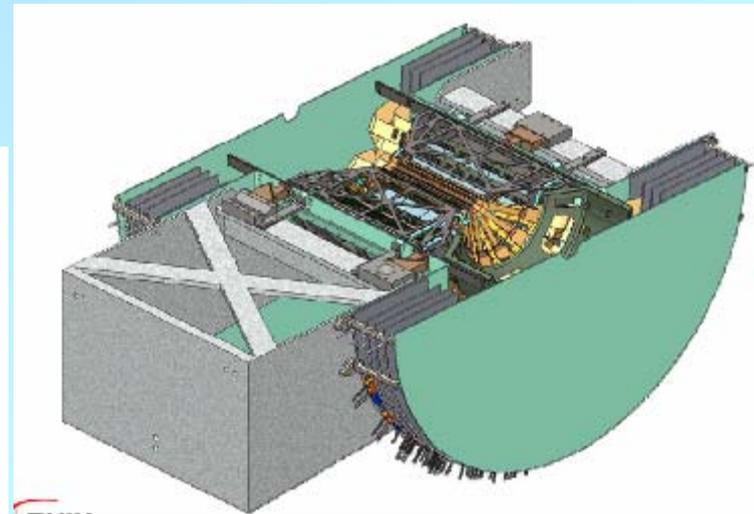
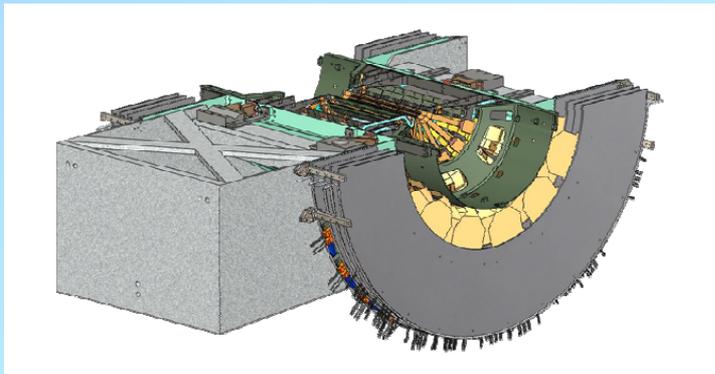
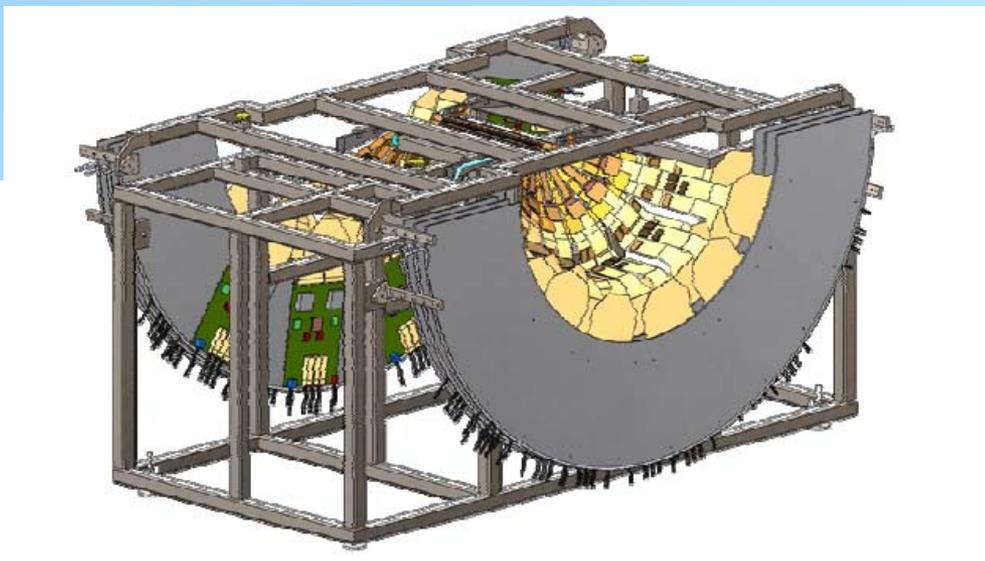
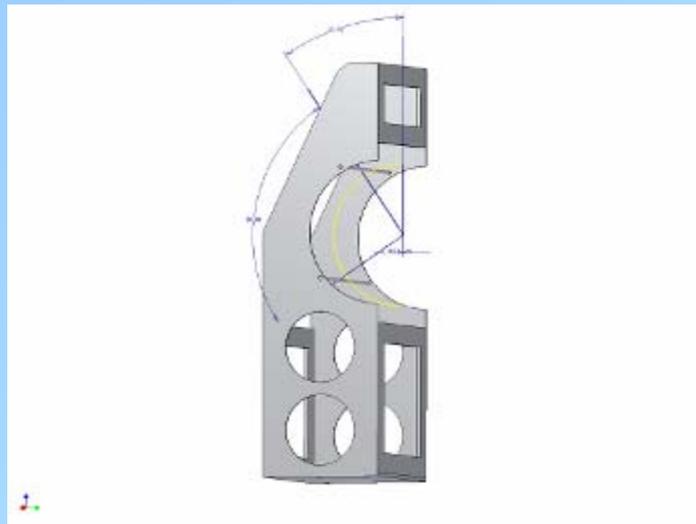


6 interface points w/ HYTEC

1 DOF (Z)

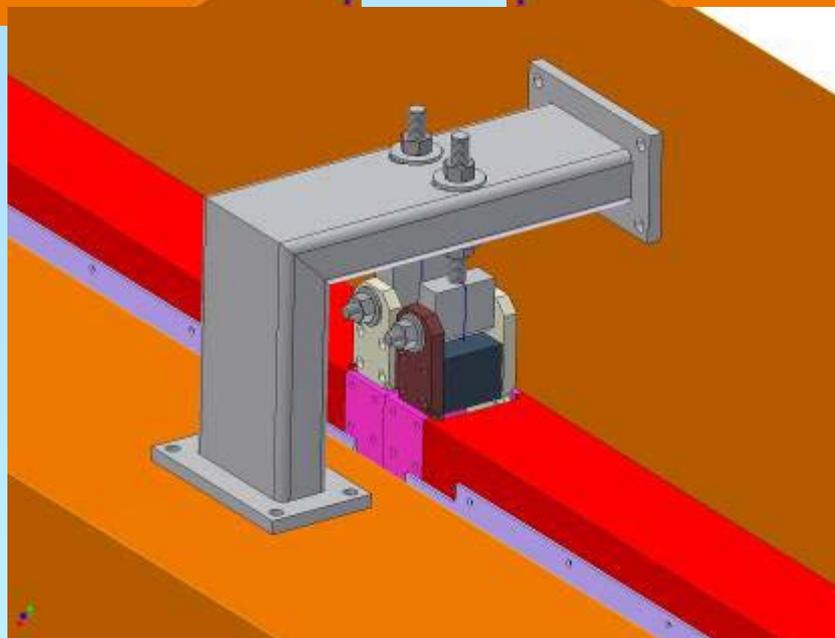
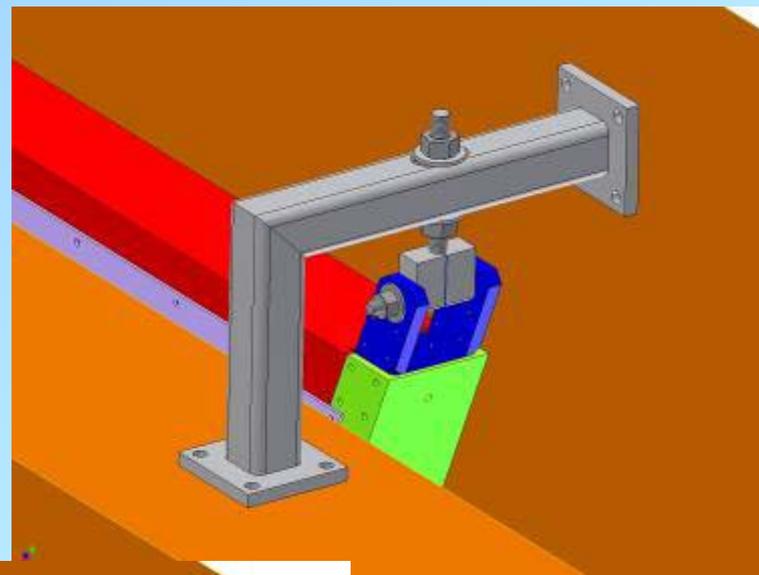
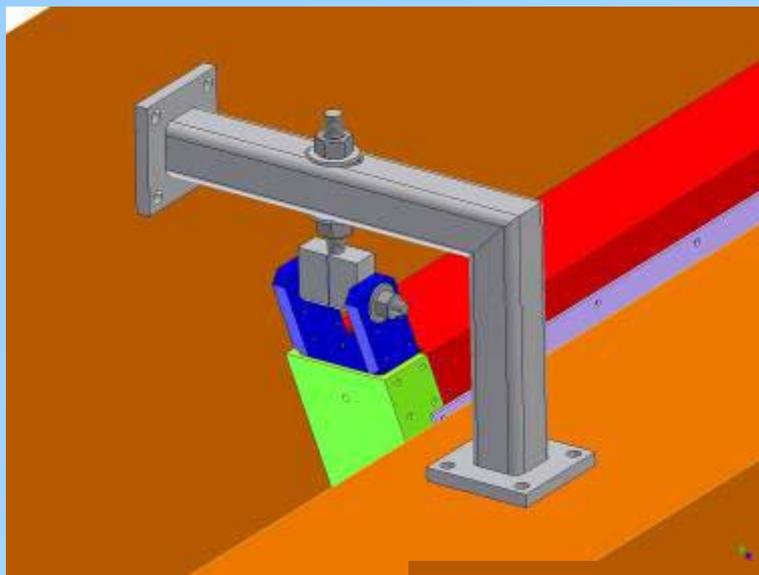
# VTX Support Structure Base Assembly Design In Progress

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# RPC3 South Installation Plan

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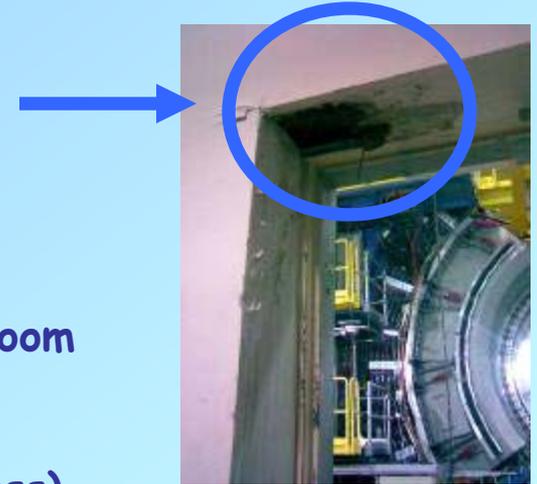


# RPC3 North

## Installing HO7E and HO5E



- Roof leaks in utility bathroom at northwest corner behind tech offices, over door between rack room and assembly hall and over door between control room and elect. ass'y room.
- General maintenance for Trailer Offices (in progress)
- Trailer Office Modifications planning in progress



# 2010 Tasks

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Run 10

VTX Fabrication and Installation Plan (1st Draft)

RPC3 South Fabrication and Installation Plan (1st Draft)

Receive New Beampipe

Design Beam pipe supports

Update RPC3 N design for RPC3 S

RPC Factory Annual Safety Review

Design support structure, alignment scheme for VTX

Fabricate beam pipe supports

Beampipe NEG coating (CERN)

Fabricate/procure parts for RPC3 S installation

Fabricate/procure parts for VTX installation

End of run 10

Prep IR for shutdown

Complete unfinished business for MuTrgr FEE & RPC3 North

Install Beam pipe

Install VTX

Install RPC3 South

2010 Shutdown Other Tasks

Start Date

End Date

In progress

6/1

Done

Done

Done

Done

On Order

2/28

In progress

1/29

In progress

2/26

Done

Done

In progress

2/12

2/19

5/1

2/1

5/1

3/1

5/1

3/1

6/1

6/1

6/1

6/1

7/1

6/1

8/1

7/1

10/1

8/1

10/1

6/1

10/1

6/1

11/1

## PHENIX Procedure Review Current Status:

## 147 Procedures Identified

**82** Made Inactive (not currently in use, will require revision to re- activate if and when necessary, available for reference purposes)

12 CAD procedures relevant to PHENIX, all are current and up-to- date.  
All currently under review,  
3 to be de-activated

40 PHENIX approved procedures.

1 is currently under review

**39** are current and up-to-date

**13** Proposed/Draft Procedures (never previously formalized)

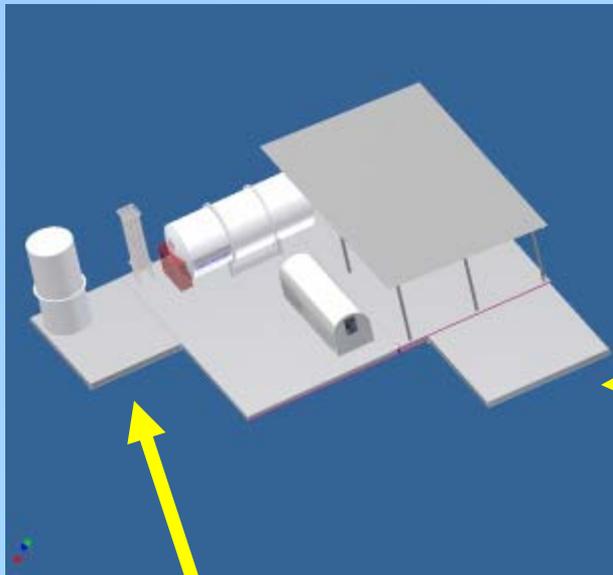
New Spreadsheet Tracking Application to keep track of Procedure revisions and updates - Done and Working

Web retrieval of latest procedures now available from PHENIX Internal:

[http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL\\_procedures.htm](http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL_procedures.htm)

TECHNICAL SUPPORT 2010

# New Argon Dewar and Empty Gas Bottle Storage Area



Pad for Empty Gas Bottles

Pad for argon Dewar



# Safety, Security, etc.

## 1. CAD ES&H Group Safety Feedback Meeting- Snowed out

- CAD is holding meetings with various groups within CAD to get candid feedback of safety concerns and the implementation of safety policy
- Yesterday (Wed) Physics Support Group was Targeted
- PHENIX was invited.
- Reschedule date TBD

## 2. RPC Factory Annual Safety Review - last week - review went well waiting for action items (all minor)

## 3. Melted snow will refreeze tonight. Be careful driving and walking

## 4. JTA's: some training that used to be one time (e.g. compressed gas safety) is now 3 year training. If this is or any other training is on your JTA and you feel it unnecessary let me know.

## 5. Traffic Safety:

Year	Accidents	Injuries
2008	38	0
2009	43	4
<i>Total</i>	<b>81</b>	<b>4</b>

49 in parking lot, 5 weather related, 8 wildlife related: 19 multi-car collisions?  
0.79 per month

[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)

# Where To Find PHENIX Engineering Info

TECHNICAL SUPPORT 2010



Monday is a Federal and New York State Holiday:  
George Washington's Birthday

Actual date: 2/11/1731 (Julian Calendar, but in 1752 Britain and all its colonies adopted the Gregorian calendar which moved his birthday to 2/22.) Made a federal holiday in 1879 [2/22]

Celebrated: third Monday of February, since 1968. Can no longer land on 2/22.

Sometimes referred to as Presidents' Day this is technically incorrect unless you are in a state that so observe's (e.g. MA, CT, AL, NJ).

Which presidents are honored depends on the state.

Anyway you look at it, the lab has it as a holiday and lab calls it President's Day.

(NY State celebrates Washington's Birthday and Lincoln's Birthday 2/12)

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)

