

# PHENIX WEEKLY PLANNING



12/17/2009

Don Lynch



# Ongoing Tasks for Run 10

## Task

Start Date

End Date

Install rack components in RPC3 N racks

in progress

12/30

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

in progress

12/30

Install heaters and thermostat(s) for RPC3N thermal control

in progress

12/30

AH Crane 110 switch for lockout

In Progress

?

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

In Progress

12/31

## PHENIX Startup Checklist Status

Item

Responsibility

Status

Item 1: ESRC relevant items completed

Wood Stairs

Phillips

Post Start

Update Work procedures

Cirigliaro, Lynch

Post Start

Item 2: Bypass Switch Arc Label

Giannotti

Post Start

Item 3: Storage Area lighting/signage

Lynch

Post Start

Item 4: HBD Mock Up

Lynch

Post Start

Item 11: Fire Pull Box

Phillips

Post Start

Item 12: Dumb Waiter

Lynch

Post Start

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## This Week

- VTX Project Planning Meeting
- RPC3 North review/RPC3 South kickoff meeting
- MuTr water leak (fixed)
- RPC Factory Gas Alarm
- Run 10 Continues



PHENIX  
PROJECT  
PLANNING  
MEETING

## VTX Major Procurement Items and Tasks:

Be Beampipe (Brush Wellman)

Inner BP Transitions, Outer BP Transitions & BP Spool (CS Outsource)

Beampipe Installation Plan

NEG Coating of all BP parts (CERN)

BP Supports (PHENIX)

Assembled VTX Barrel  $\frac{1}{2}$ 's (BNL/LANL PHENIX)

Chiller (TBD)

VTX support structure (PHENIX)

Electronics (PHENIX)

Racks (PHENIX)

# 3 new beampipe sections

Alum/SS/Be  
central section

North 1-5/8" to  
3" transition

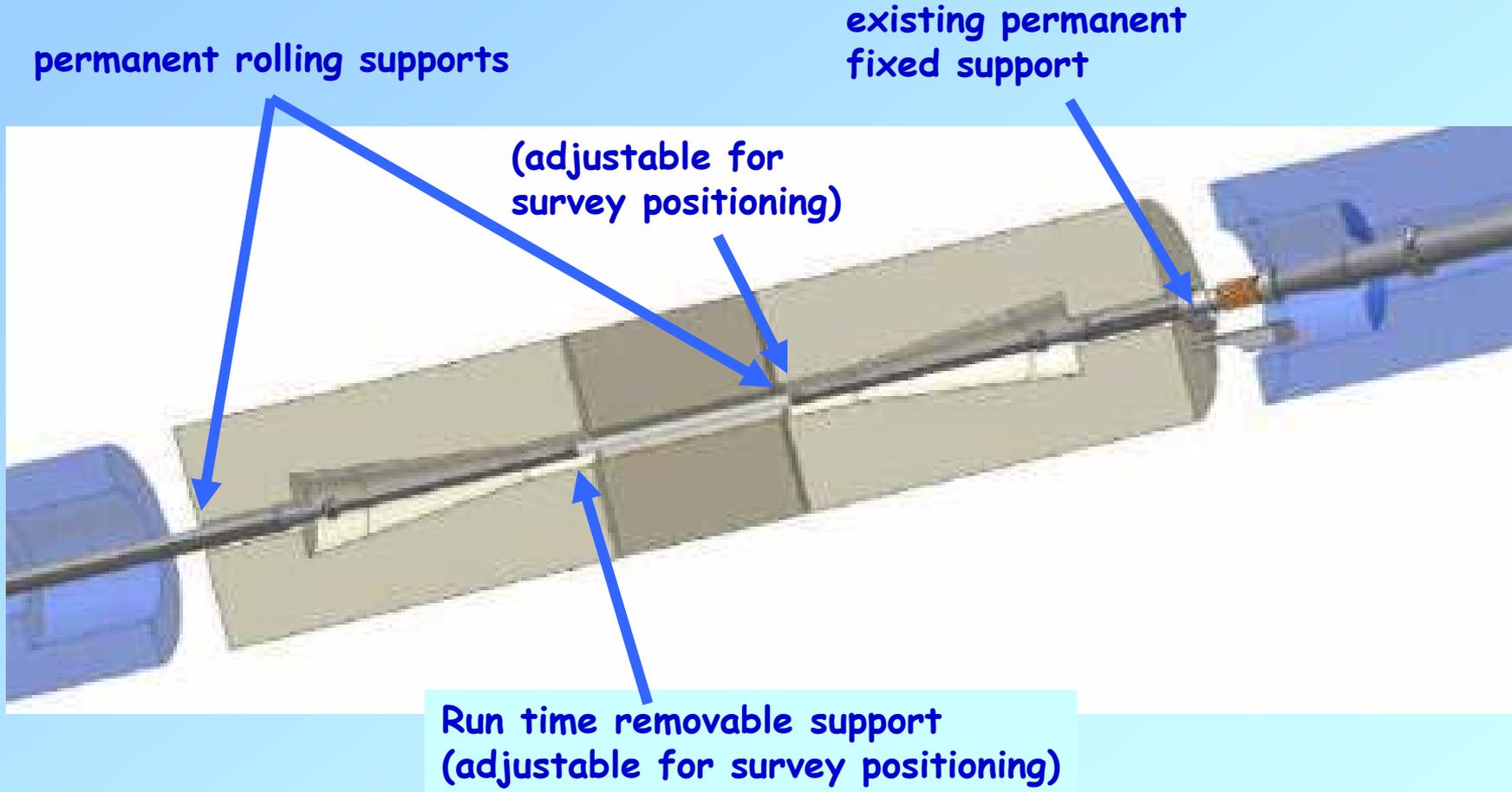
South 1-5/8" to  
3" transition

Existing bellows  
and components  
south of here

Existing bellows  
and components  
north of here

# Beampipe supports

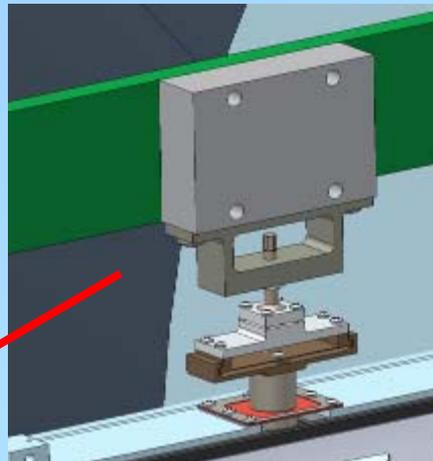
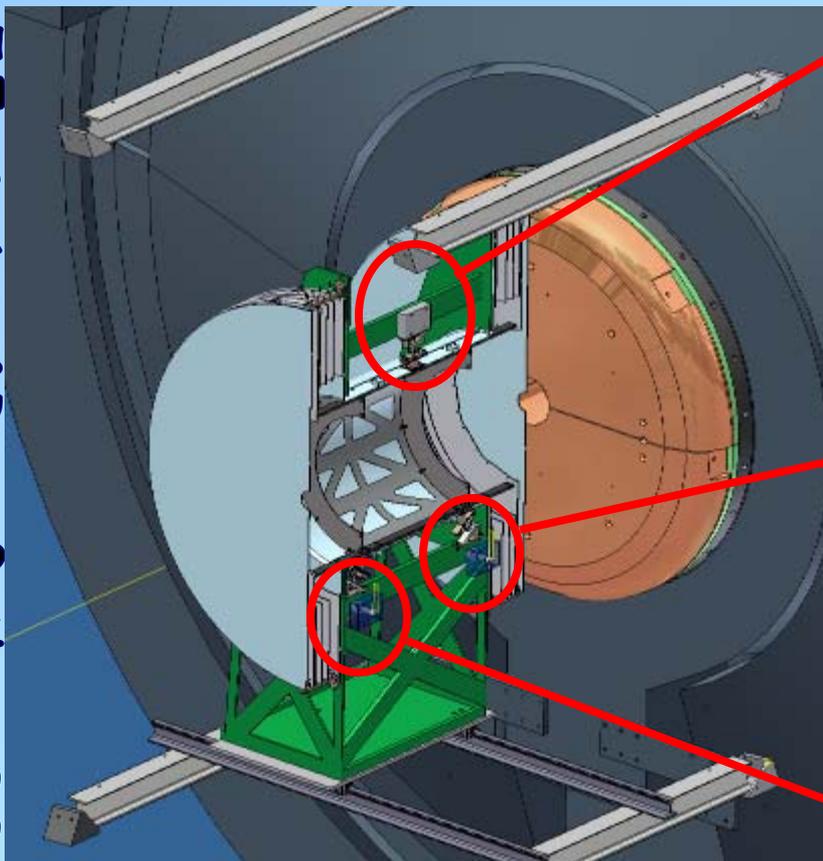
PHENIX TECHNICAL SUPPORT NOON



# Installation

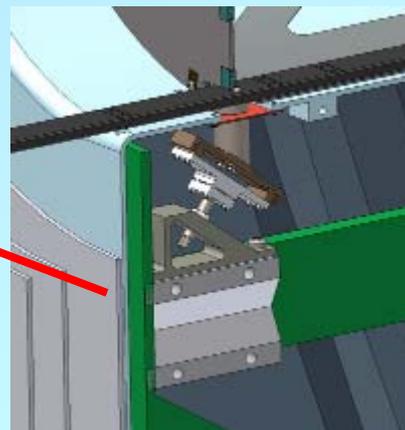
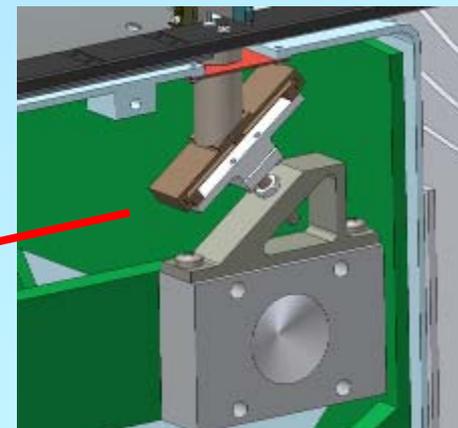
Kinematic mounts for mating east and west detector halves

PHENIX



2 DOF (Y & Z)

0 DOF



6 interface points  
w/ HYTEC

1 DOF (Z)

## RPC3 North and South Review Meeting

- Discuss challenges of RPC3 South
- Discuss Lessons learned from RPC3 North
- Review all related drawings (53 drawings)
- 33 OK as is
  - 14 need minor modifications
  - 5 complete redesign
  - 1 obsolete
- Review overall schedule
  - Preparations during run 10
  - Site Preparation
  - Installation



## Next Week

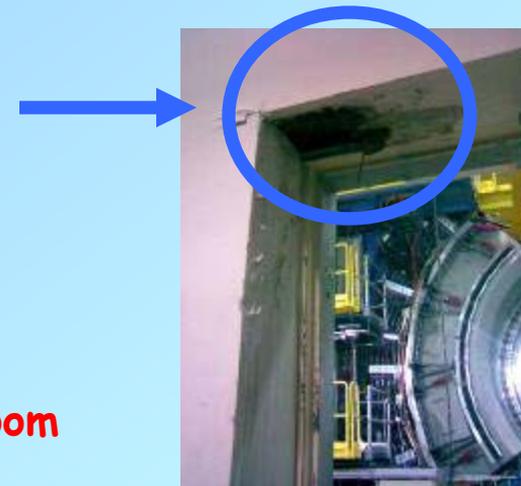
- Short Week (1-1/2 day Christmas Holiday Thursday - Friday)
- No scheduled maintenance days, 1st maintenance day ??
- RPC factory support
- VTX/RPC3 South engineering/design and planning
- RPC3 North electronics and environmental controls/monitoring as access becomes available
- Technical support for run 10 as required



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## 2009 Building Maintenance Issues



- 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.**
- Heat wrap tape for trailer bathroom toilet drains to prevent freeze/clogging in winter.
- General maintenance for Trailer Offices and Gas Mixing House stairs, ramps and siding, gutters, etc. (cleaning and repairing worn/rotted wood): Carter has placed work orders

# Run 10 and shutdown 2010 Tasks

Start Date    End Date

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Run 10	In progress	6/1
VTX Fabrication and Installation Plan (1st Draft)	Done	Done
RPC3 South Fabrication and Installation Plan (1st Draft)	Done	Done
Receive New Beampipe	On Order	1/31
Design Beam pipe supports	In progress	12/31
Update RPC3 N design for RPC3 S	In progress	12/31
Design support structure, alignment scheme for VTX	In progress	1/31
Start of Run Party	Done	Done
Fabricate beam pipe supports	1/1	4/1
Beampipe NEG coating (CERN)	2/1	5/1
Fabricate/procure parts for RPC3 S installation	1/1	4/1
Fabricate/procure parts for VTX installation	2/1	5/1
End of run 10	6/1	6/1
Prep IR for shutdown	6/1	7/1
Complete unfinished business for MuTrgr FEE & RPC3 North	6/1	8/1
Install Beam pipe	7/1	10/1
Install VTX	8/1	10/1
Install RPC3 South	6/1	10/1

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#### 4. PHENIX Procedure Review Current Status:

##### 147 Procedures Identified

- 80 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.
  - 4 are currently under review
  - 36 are current and up-to-date
- 15 Proposed/Draft Procedures (never previously formalized)

1. Ring is posted as a controlled area. Unescorted access requires GERT and facility specific training (CA-access training and PHENIX Awareness). All PHENIX collaborators should have this training. Guests who do not have this training must (a) be escorted by a person qualified for unescorted access, (b) must complete a training waiver form (available on-line via PHENIX internal web page under "Training" link
2. Nuclear and Particle Physics Directorate all hands meeting Monday Dec. 21 at 11:00 AM in Berkner Hall.
3. Gas alarm at RPC Factory: all systems worked properly, all RPC personnel responded appropriately. (Referred to by CAD safety as "an interesting event", and is being treated as an "SC BNL Management Concern".
4. Holidays next week: be careful, be safe and be happy.

# Where To Find PHENIX Engineering Info

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No Meeting Next Week - Christmas Holiday



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)

