

# PHENIX WEEKLY PLANNING

9/13/2007

Don Lynch

TECHNICAL SUPPORT + NOON

# 2007 Summer Shutdown Schedule

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## 2007 PHENIX Shutdown

April-June 2007: Complete run, De-mount HBD West, Begin Constructing RPC Factory, Prepare for shutdown, purge flammable gas, Open shielding wall,

July 2007: Remove MuID collar, disengage EC and move to AH, prep IR for shutdown work, uninstall MPC south for upgrade, RPC mockup tests, remove MMS lampshade, begin MuTr "decapacitor" removal, continue RPC factory construction

August 2007: Move CM south, continue decapacitor removals, install Mu Trigger prototypes, remove/upgrade/reinstall MPC north, VTX test support, NCC prototype support

September 2007: Mu Trigger prototype tests, more decapacitor removals, move CM to run position, reinstall MPC south, MuTrigger mockup tests, install neutron shielding (borated PE) test

October 2007: replace MMS lampshade, move EC to IR, reinstall MuID collars, Electronics cooling upgrade (C-A) Prep IR for run, DC East repair

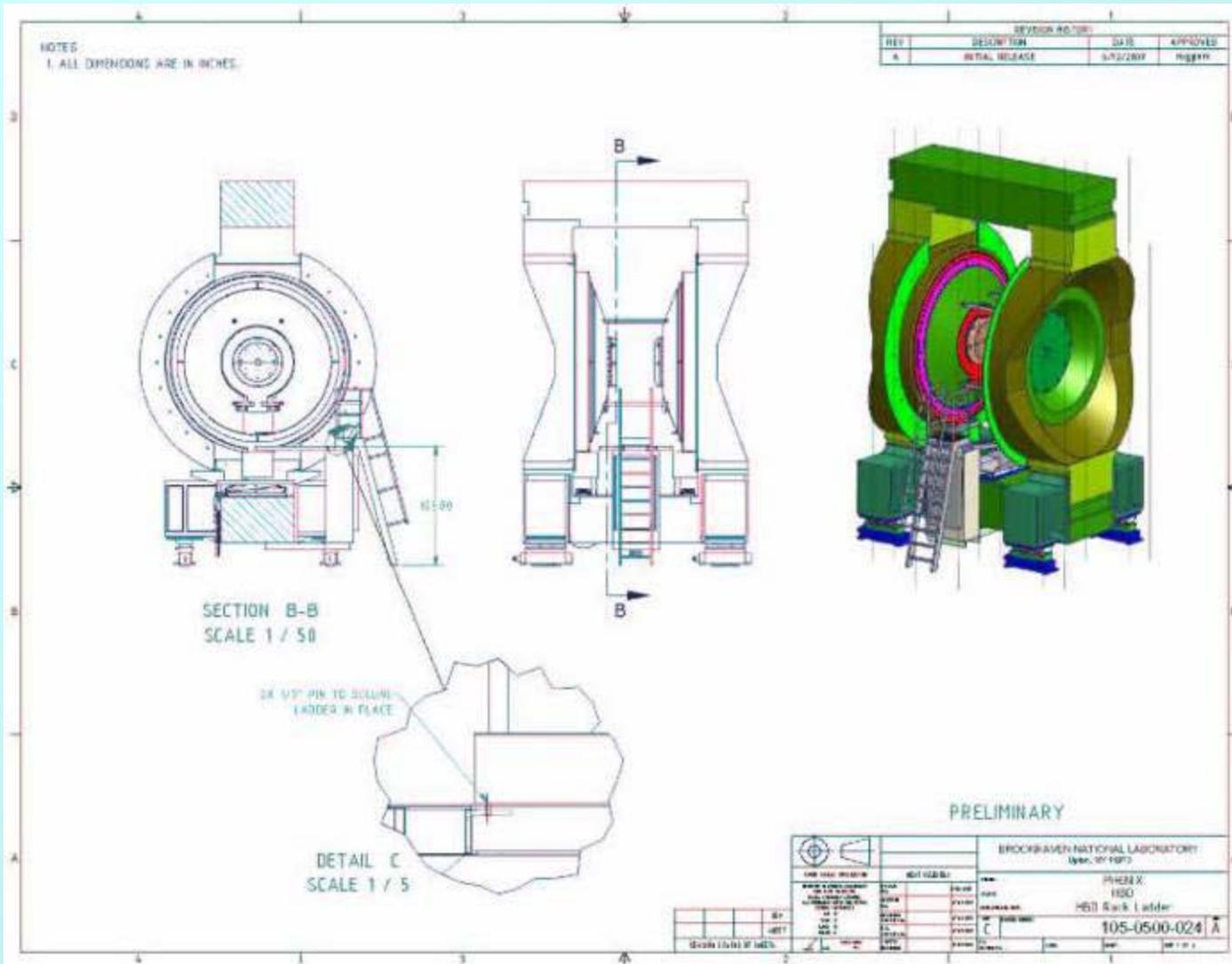
# 2007 Summer Shutdown Schedule (cont'd)

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Remove HBD East	9/30?	10/7?
HBD Pre survey at SB	9/23?	9/30?
HBD West Mechanical/Gas Reinstall	9/30?	10/7?
HBD EAST Mechanical/Gas Reinstall	11/15?	11/28?
HBD Electrical Reinstall	10/7?	12/15?
HBD installation survey	10/1?	12/22?
Reinstall MMS East Vert. Lampshade	10/1	10/5
EC Roll In	10/8	10/10
C-A fold scaffolding	10/8	10/8
Move MuID collars to IR	10/9	10/9
Roll in-to IR and North to run pos.	10/10	10/11
PHENIX techs reconnect water, elect., gas, fibers	10/12	10/19
InstaCarpenters restore scaffolding, Re-install lift & ladder, re-connect gas sniffers	10/12	10/19
Mike Rau re-install lift wiring, Re-connect TOF blower	10/12	10/19
DC East repair	10/12	10/19
HBD/MPC/Other TBD Commissioning	10/1	10/31
Start of Run 8	11/1	11/1

# CM Ladder/Stair Shutdown Access

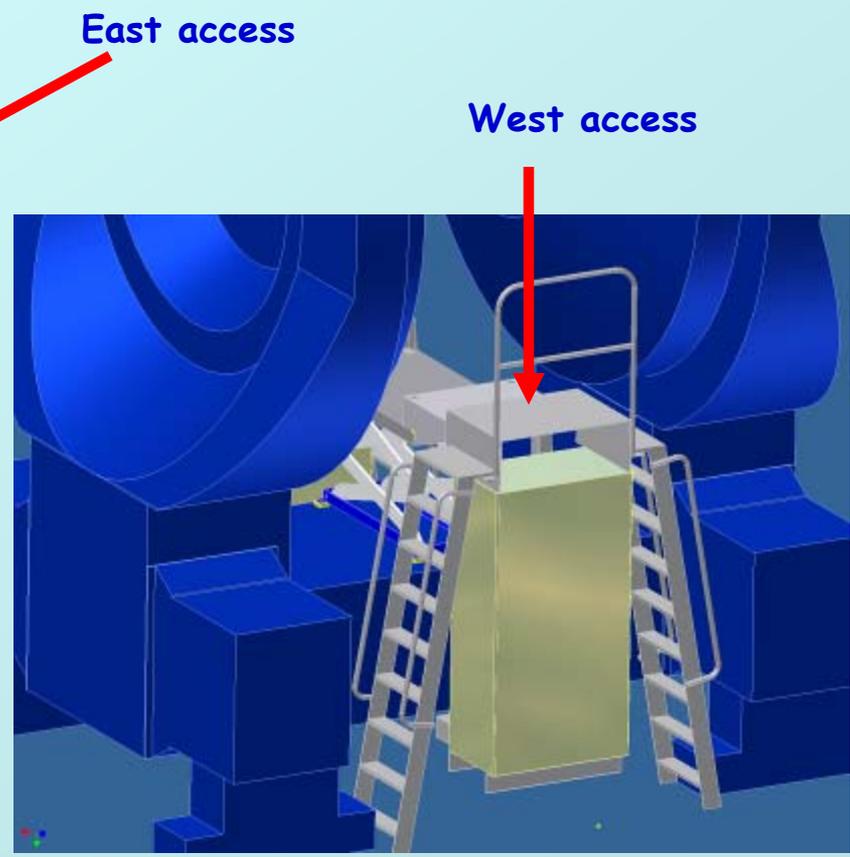
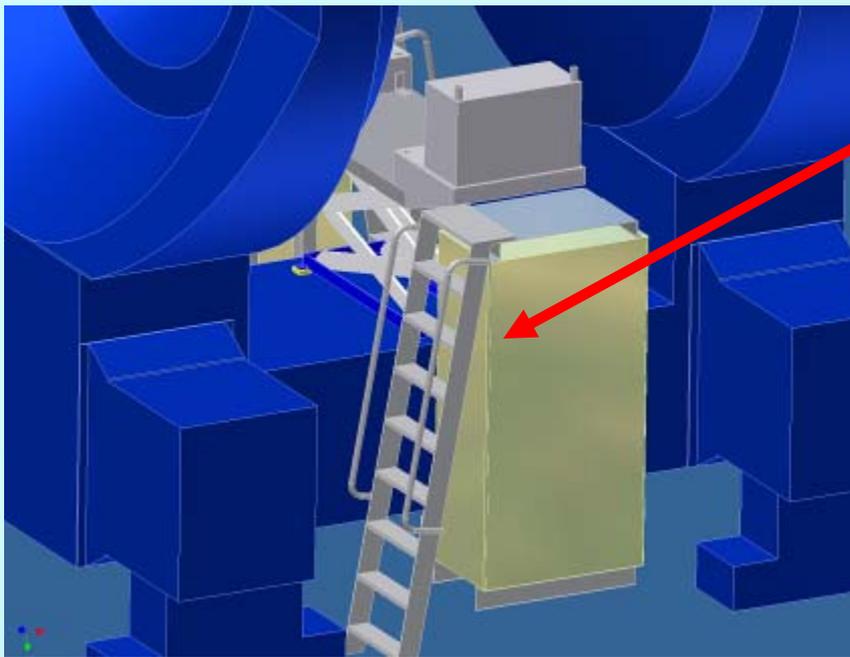
TECHNICAL SUPPORT NOON



- PO pinned  
Waiting for  
delivery
- Delivery ~9/21

# CM Ladder/Stair Run Access

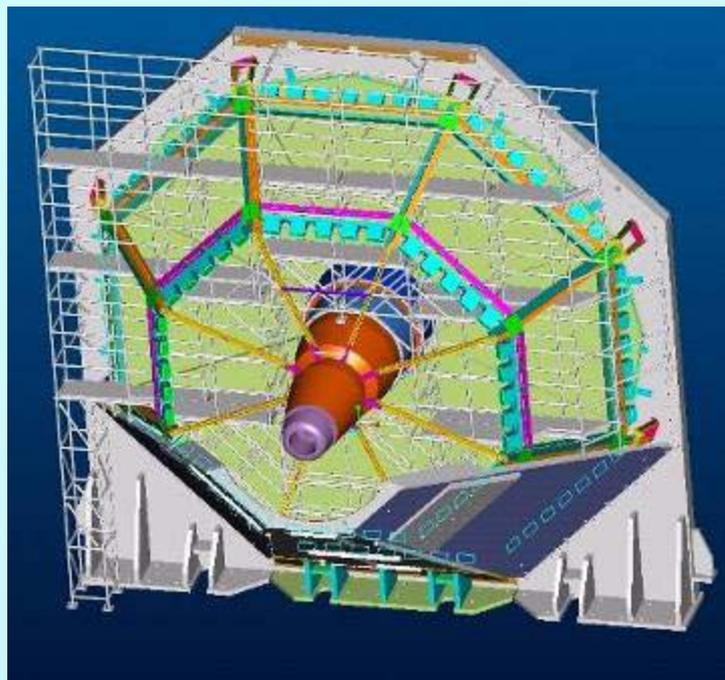
TUESDAY SEPTEMBER 11 2007



**Features:**

- ~70 deg. Alum ships ladder
- (1 or 2) lifts off to store vertically for run and/or to access rack doors.
- Step up platform above rack and cables.
- Can be used on either east or west side
- Hand rails on ladders. Safety rail on platform

# Station 1 , 2, 3 access plan



Use existing MMN scaffolding components

Sta. 1: modify to adapt to rails

Sta 2N & 3N: Internal to MMN only.  
Adapt to work with most lampshades on.

Sta 2S & 3S: TBD



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# RPC Factory

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**Work is continuing. Please make sure that all work in 912 is properly planned and approved.**

# RPC Factory Issues

TECHNICAL SUPPORT + 2007

## A. Factory Set Up:

### 1. PHENIX tech support:

Gas: John T.

Elect: Frank T.

Mech: Kenny J.

### 2. Electrical work moving complete ~9/5.

### 3. floor to be painted after elec. In progress

### 4. HVAC specs 18,000 BTU AC (not ordered yet) 4 HEPA filters, internally recirculated (done)

### 5. Gas distribution design in progress start installing next week

## B. Safety Issues: Per Yousef's Minutes from review

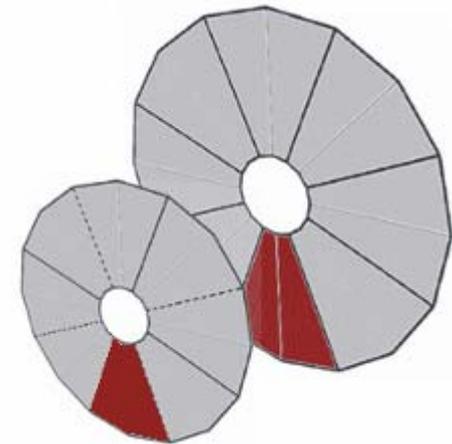
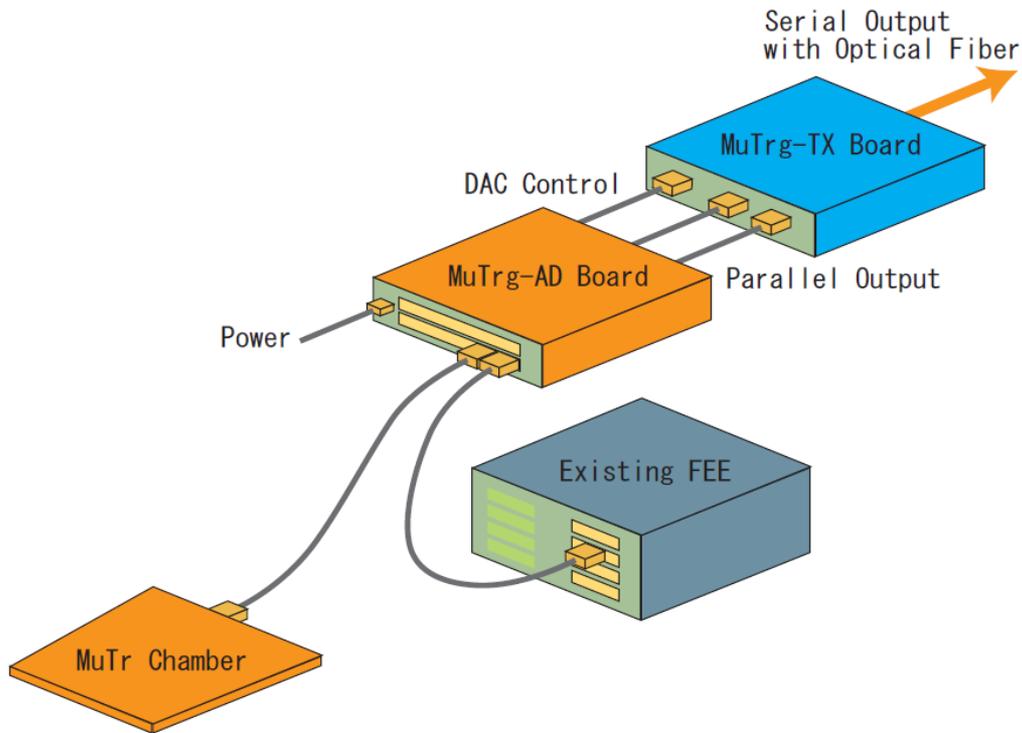
- Calib./testing of SF6 monitors
- Gas system schematic in progress
- Fire protection *piggy backed on 912 alarms. Replace tarps with fire rated hole covers*
- Gas environmental impact *Ralf update review numbers when gas system design is complete*
- Electronics/equipment review
- Factory users safety manual *interim Worker plan complete; final production version needed*

## C. Other

Ali needs map showing internet and phone locations.

Need sketch for outside gas bottle lean-to

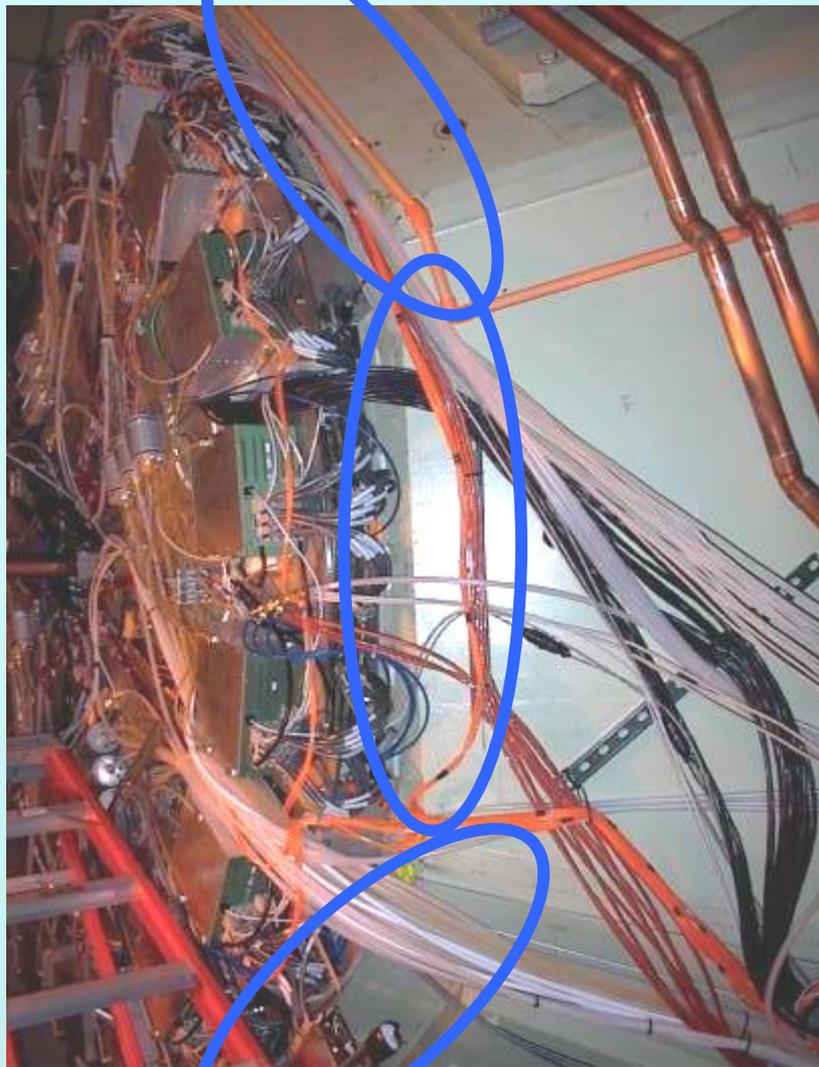
# MuTr FEE Upgrade Prototype



- Last week
  - Cooling water and dry air in station 2 (Thu)
  - Flammable gas safety permission in progress (Thu)
  - Isobutane start flowing (Thu)
  - 24h shift started from Thursday.
  - DAQ studies (Thu-Sat)

# Mu Trigger Station 1 and 2 Upgrades

TESTING - REPORT + NOON



9/13/2007

Weekly Planning Meeting





- Neutron shielding test (4' x 4' x 2" borated polyethylene)

Shield support design in progress  
Install in September for Run 8 tests

- Empty (except clean metal waste) and discard old container
- NCC prototype & electronics Mike L. & Richie
- VTX prototype aluminum support strips needed for flimsy plexi test box - Done



DOE ISM Review: Preliminary visit but did not have in depth review.

Lab Director Directive on "PPE":

wearing non-complying attire (such as shorts, short sleeve shirts, and other garments that leave arms and legs exposed) in the laboratory, shop, and industrial work areas of the Laboratory. : *"I am directing that this practice be discontinued immediately and the requirements of SBMS be enforced by all levels of supervision. This is applicable to all BNL people - employees, guests, contractors, students, etc - all who work or visit such areas."*

C-A has interpreted this to mean long pants and long sleeve shirts everywhere but control rooms, offices and lunchrooms. 912 tent work must comply.

PHENIX interpretation: IR and AH require long sleeves and long pants. Elsewhere at 1008 is office space. Exceptions for IR can be made by workplan when appropriate.

Subject to modification by Director's PPE Task Force

- 2007 HBD Repairs, DC (minor) repairs), MPC N&S upgrade, MuTr FEE upgrade prototype, infrastructure upgrades & repairs, misc. subsystem work
- 2008 MuTr FEE upgrades 1 octant 1&2 S, Cu absorber test, RPC3 S, infrastructure upgrades & repairs, misc. subsystem work
- 2009 Scaffolding in MMS and MMN, MuTr FEE N&S stn. 2 & 3, MuTr N&S stn. 2 & 3 repairs, RPC2 S&N, RPC3 N, Cu absorbers, infrastructure upgrades & repairs, misc. subsystem work
- 2010 Remove HBD & RXNP, remove beampipe, DC West upgrade, VTX barrel, RPC1 N&S, MuTr FEE stn. 1 N&S, MuTr stn. 1 N&S repairs, infrastructure upgrades & repairs, misc. subsystem work
- 2011 NCC S, FVTX, infrastructure upgrades & repairs, misc. subsystem work
- 2012 NCC N, upgrades contingency & wishlist, infrastructure upgrades & repairs, misc. subsystem work

*\* Years refer to the shutdown year and follow the run with the similar number (i.e. work in 2007 is to be done in the shutdown that follows run 7, and so on)*

# Where To Find PHENIX Technical Info

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I'm away today hauling furniture For my newly "self-supporting" graduated kids. I'll be back Monday 9/17.



Links for the weekly planning meeting slides, long term planning, pictures, videos and other technical info can be found on the 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)