

PHENIX WEEKLY PLANNING



TECHNICAL SUPPORT NOTES

1/24/2013
Don Lynch

This Week

TECHNICAL SUPPORT NOTES

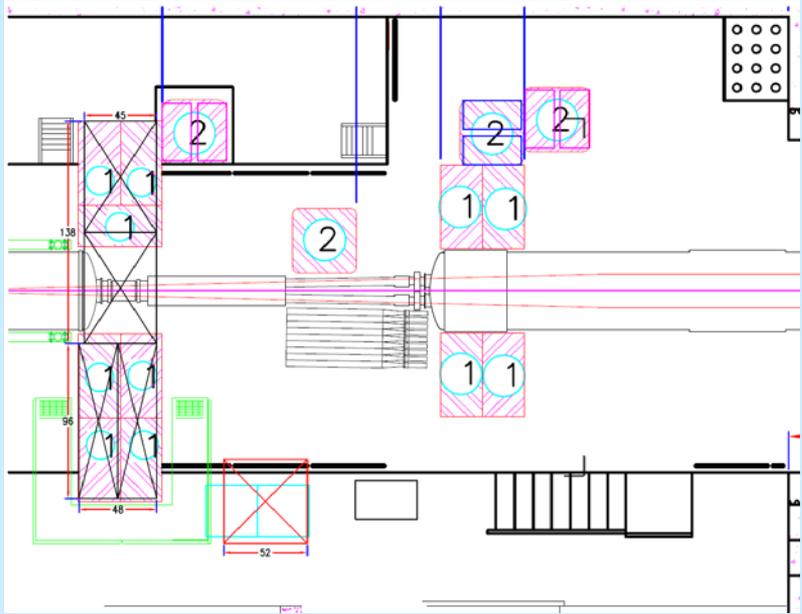
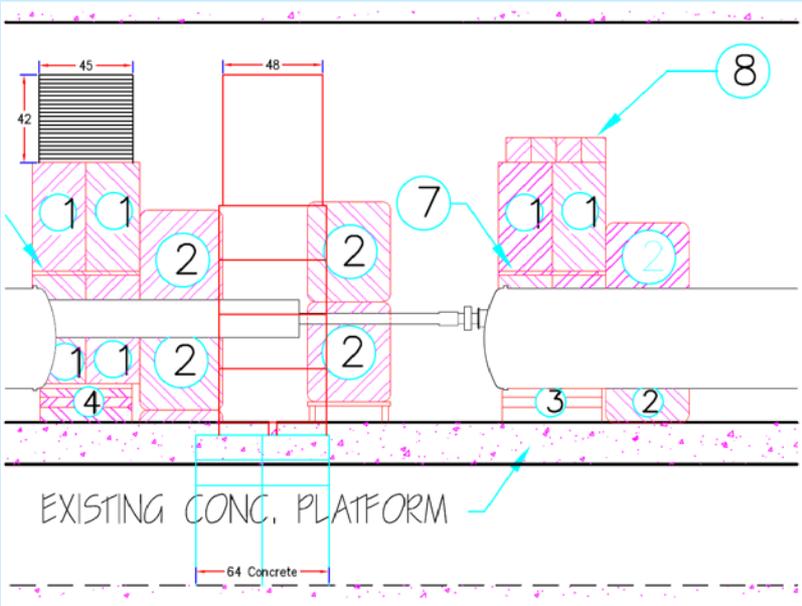
- Continue VTX East failure analyses
- Evaluate FVTX East/West risk
- Install FVTX rad monitors
- Complete FVTX East services restoration, ready for commissioning
- IF OK to run FVTX, begin commissioning
- Move MMS North to run position
- Install MuID Collars
- Carpenters to install EC ladder and dumb waiter
- Continue working on RPC3 shielding near Q3
- Continue window Washer safety upgrades
- Continue sPHENIX design support
- Continue MPC-Ex design support
- Re-commence Pink/White/Blue sheets

Next Week

TECHNICAL SUPPORT NOTES

- Commission FVTX rad monitors
- Complete FVTX East services restoration, ready for commissioning
- FVTX commissioning
- Continue working on RPC3 shielding near Q3
- Continue window Washer safety upgrades
- Continue sPHENIX design support
- Continue MPC-Ex design support
- Finish White/Blue sheets
- Begin Building Shield Wall

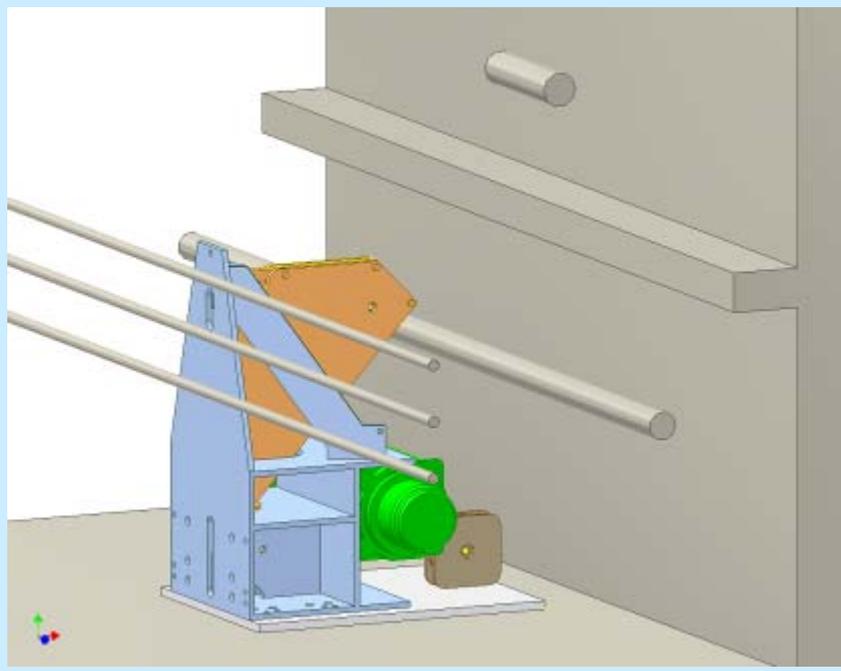
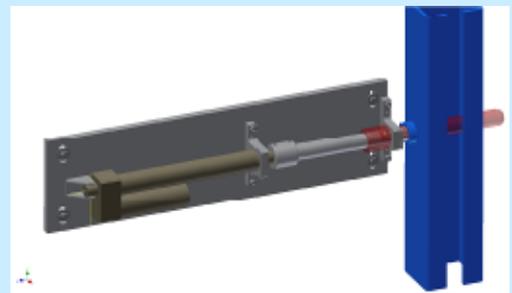
TECHNICAL DRAWING



Window Washer Remote Pin Removal and Winch/spooler safety upgrades

Space available:
16.5" x 27" x 28" h

Space needed for model
20" x 32" x 32.58" h



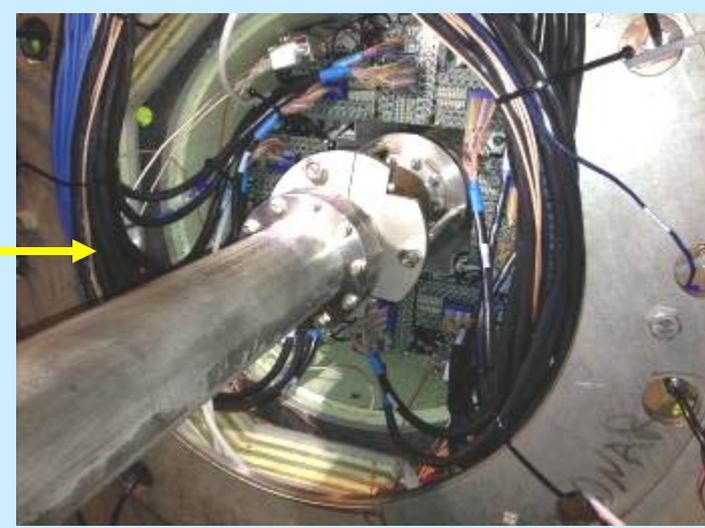
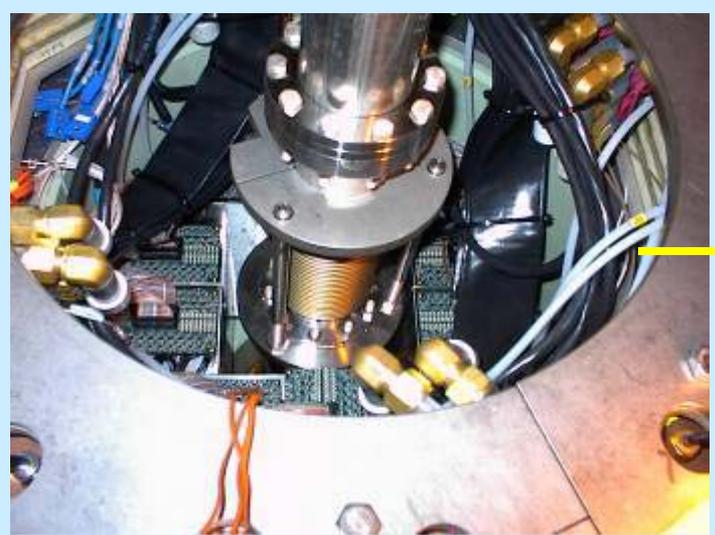
TECHNICAL SUPPORT NOTES



Existing vacuum bellows anti-squirm
In MPC S Cavity



Proposed vacuum bellows anti-squirm
In MPC S Cavity to accommodate MPC-Ex



MPCS Flat cables replaced with round cables.

2012 Shutdown Schedule Remaining Tasks

TECHNICAL SUPPORT 2013

De-cable and disconnect utilities for VTX/FVTX East	Done
Disconnect gas, water, electric, fibers from EC	Done
Move EC to AH	Done
Dismount VTX/FVTX East	Done
Prep Chemistry Lab for VTX/FVTX East	Done
Transport VTX/FVTX East to Chemistry Lab	Done
Document Current configuration	Done
Remove FVTX Cages	Done
Dismount VTX Strip Layers	Done
Dismount VTX Strip-Pixel Layers	Done
Test FVTX	Done
Design and fabricate VTX stiffeners and bigwheel spacer/seals	Done
Re-assemble FVTX with VTX stiffeners and spacer/seals	Done
Transport FVTX to 1008 and install on rails	Done
Align and Survey FVTX East	Done
RPC Shielding under DX magnets	Done

Run 13 Prep Schedule Remaining Tasks (continued)

TECHNICAL SUPPORT ZONE

Move EC to IR	Done
Re-cable and re-store utilities to FVTX East and isolate (valve off) VTX West circuits	Done?
Re-connect gas, water, electric, fibers to EC	Done?
Unfold the EC platforms, re-install safety rails, (carpenters and Riggers under CAD supervision)	Done
Move the MMS north	Done
Martin Luther King Holiday weekend	Done
Install the MuID Collars	Done
Pink Sheets	Done?
Test and Commission FVTX	1/22-2/8/2013
Re-install the EC material lift and ladder (dumb waiter) BNL carpenters and Riggers under CAD supervision	1/24/2013
Blue Sheets	1/24-1/31/2013
Magnet Tests (white Sheets)	1/28/2013
Start Watch Shifts	1/29/2013
RPC tunnel Shielding (Dave Phillips)	1/31/2013
Window Washer pin & spool upgrades	1/31/2013

TECHNICAL SUPPORT ZONE

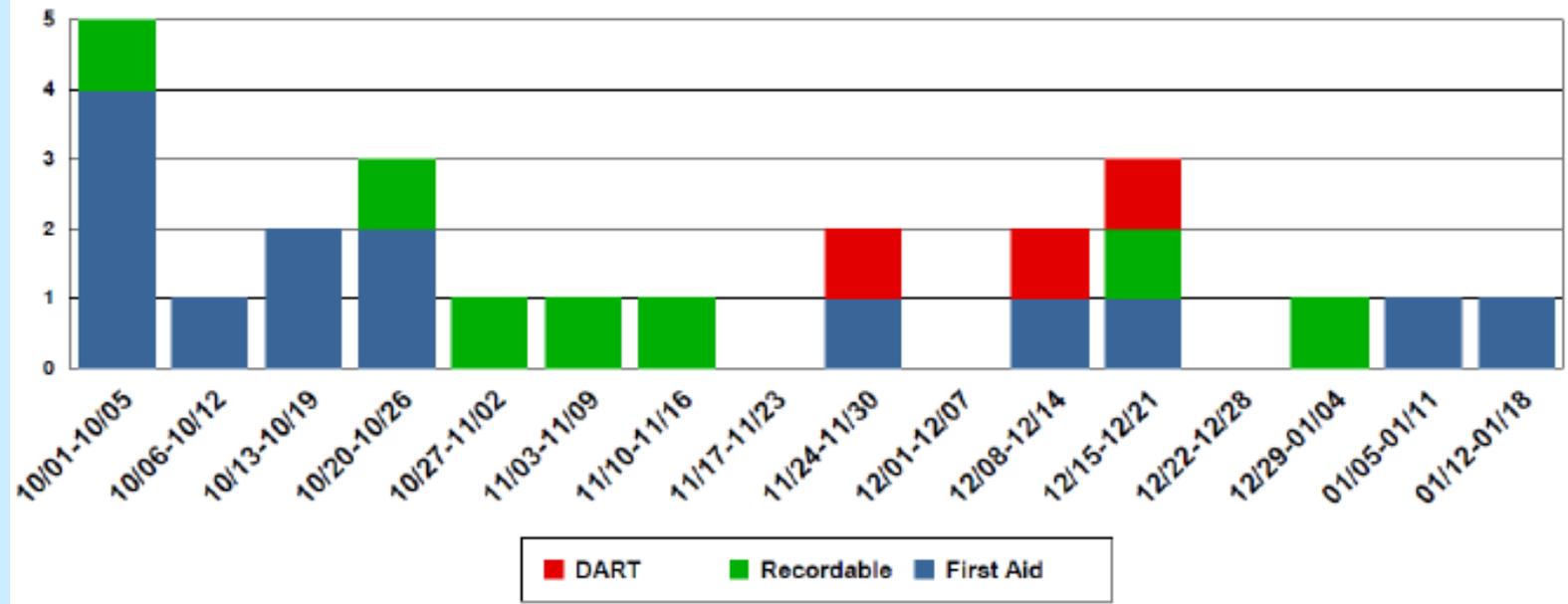
Assemble shield Wall	1/28-2/7/2013
Roll-in shield wall	2/8/2013
Safety system checkout complete/start flammable gas flow	2/8/2013
Start run 13(cooldown)	2/11/2013
End of Shutdown/Start of Run Party	2/13/13

1. PHENIX Annual Safety Review: waiting for minutes/action items
2. PHENIX Procedures: Rob/Paul/Don to review 3 year cycle (29 PHENIX procedures require review)
3. ODH1 and POM training renewal
4. RHIC tunnel is now posted as ODH-0 (does not include PHENIX IR). Web training necessary to go in tunnel.
5. Winter is here. Please be careful with snow and ice.



TECHNICAL SUPPORT ROOM

Injuries Per Week (FY) As of 1/18/2013



Injury Status:

FY13 YTD: DART – 3, TRC – 10, First Aid – 14
 FY12: DART – 17, TRC – 35, First Aid – 70
 FY11: DART – 30, TRC – 44, First Aid – 45

FY13 Injury Listing: <https://intranet.bnl.gov/esh/shsd/seq/Occlnj/BNLInjuries.aspx>

Recent Injuries		
1/14/13	First Aid	An employee fell when pulling a hand cart into a step van, injuring their arm. At the OMC, first aid was given. (Event Link)
1/10/13	First Aid	An employee fell in the hallway, injuring their ankle. At the ER, first aid was given. (Event Link)

TECHNICAL SUPPORT ROOM

Recent Events		
1/15/13	SC-BNL	During normal start-up of a Sullair Air Compressor (had been idle for about one week) sparks/flames were exiting from the motor vent. The operator immediately hit the stop button and extinguished the fire with a CO2 extinguisher. The operator then dialed ext. 2222. The Fire Captain arrived and the compressor was locked out and tagged out. There were no injuries. An investigation was initiated. (Event Link)
1/15/13	Non-Reportable	While reading a LOTO tag prior to performing work, a LOTO device came off the power distribution unit (PDU) circuit breaker. The electrical power wiring to the PDU was physically disconnected at the time. (Event Link)
1/14/13	Non-Reportable	A Radiological Control Division Instrument Calibration Facility Manager discovered three small radioactive check sources in an unposted area in a cabinet in the basement of Bld. 348. The sources were in a group of aluminum planchets that were used with an old Tennelec low background alpha/beta counting instrument. These sources resembled the other planchets, were not marked with the radiation trefoil symbol, but were engraved as radioactive material. They were also serialized by the manufacturer and identified as Sr-90, Th-230, and Am-241. The sources were relocated to a posted Radioactive Material Area. Measurements indicated all sources were much less than ORPS criteria for radioactive material outside of posted areas. Radiological surveys indicated no removable contamination and no exposure hazard. (Event Link)

Where To Find PHENIX Engineering Info

TECHNICAL SUPPORT ZONE

**Run 13
begins 2/11/13
(cooldown)**

End of Shutdown/Start of Run Party

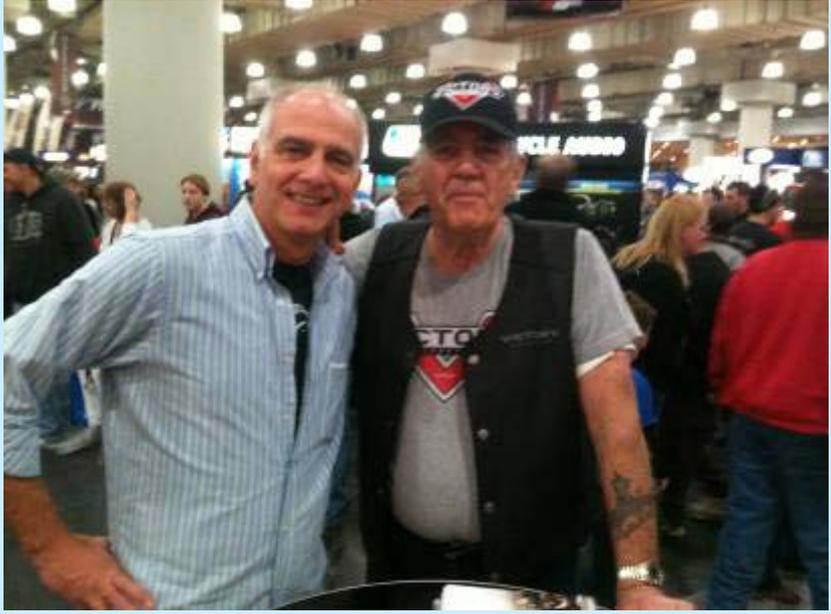
When should we schedule it:

Feb. 13 ?

http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL_SSint-page.htm



TECHNICAL SUPPORT ZONE



TECHNICAL SUPPORT 2013



TECHNICAL SUPPORT - 2013



TECHNICAL SUPPORT ZONE

