

# PHENIX WEEKLY PLANNING

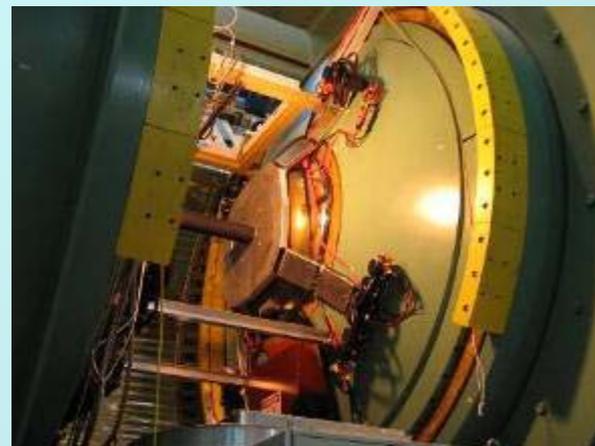
12/14/06

Don Lynch

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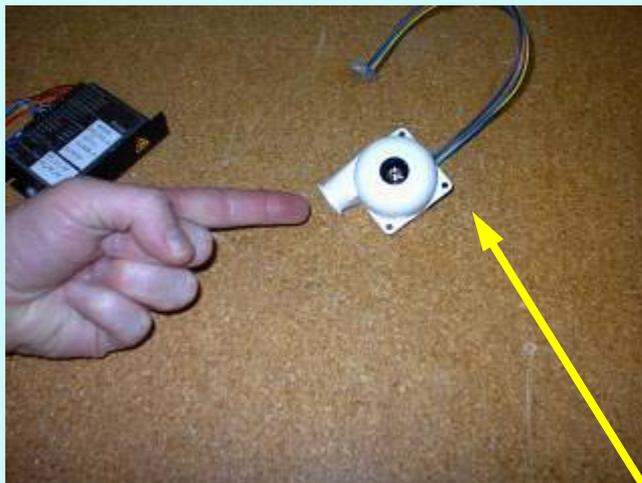
# Commissioning in Progress

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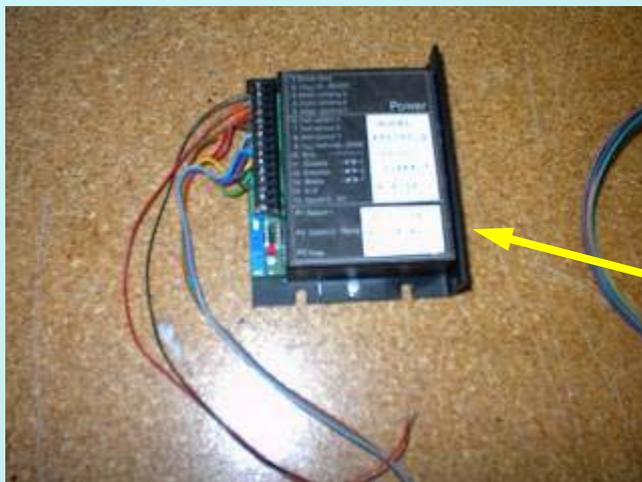
# HBD Electronics Cooling

TECHNICAL SUPPORT 2006



## Still Needed for Approval to Operate:

- Where will fan(s) be mounted? - *CM base "cubby hole" fan model and specs to be forwarded to Safety*
- Written design and operation description and- *To be forwarded to Safety*
- Order for 5 blowers & drivers (4 +1 spare) is in the works 1 set Received, 2 sets to be shipped 12/8, 2 sets back ordered.



Blower

Speed Controller

# 4 X BD<sup>2</sup> Electronics Cooling

*"This motor blows!"*

30 V, 10 Amp Power Suply  
(~1.5 Amps per blower)

To HBD East  
North side

To HBD East  
South side

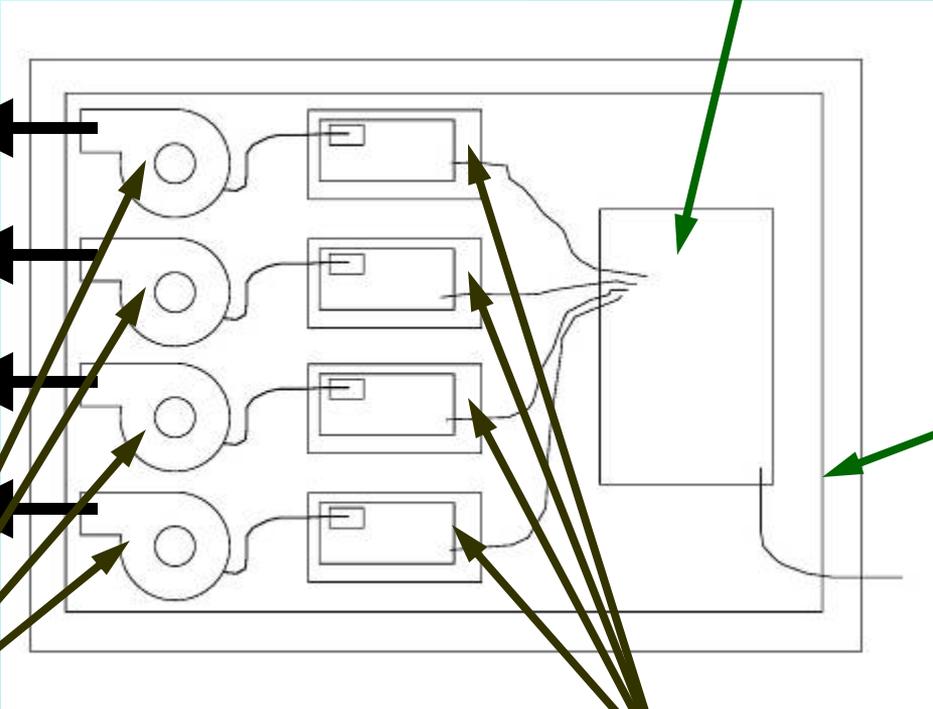
To HBD West  
North side

To HBD West  
South side

Mini Blowers

Blower Speed Controllers

Enclosure box  
with inlet filter



# CM Lift Table

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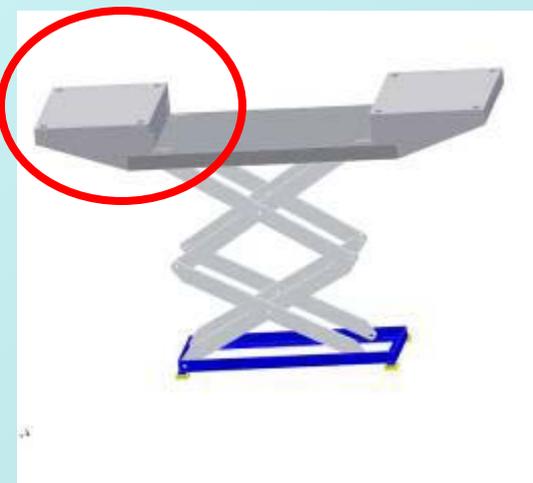
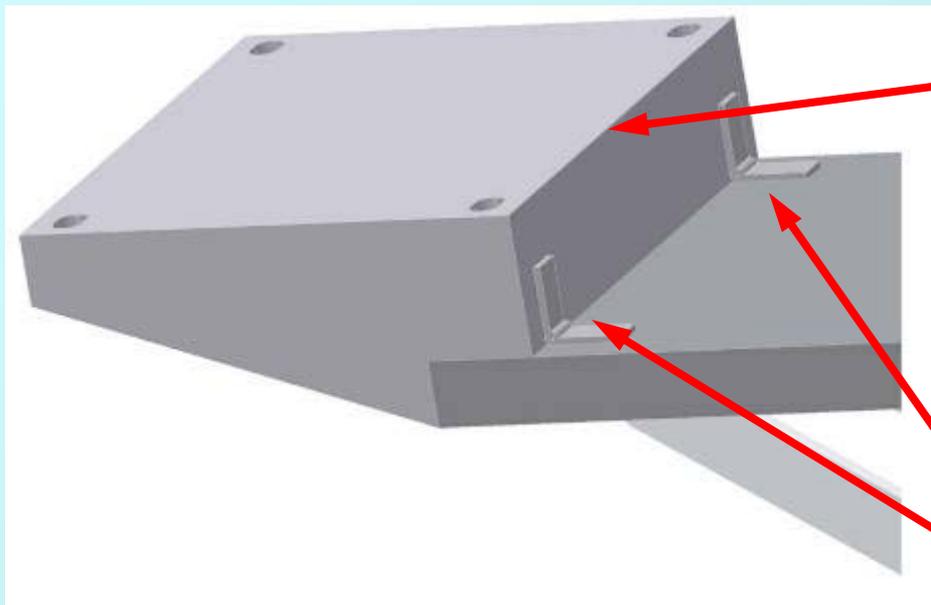
## Proposal:

- High and low limit switches to prevent over-travel hitting HBD mounting I-beams and hitting lower cable trays during descent.
- Upper limit switch (modified from existing switch) cuts out power to lift allows power to lower
- Lower limit cuts power to lower until wings are folded back; Cuts power to raise until wings are extended



# CM Lift Table

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Hinges on wing steps

# Subsystem Maintenance & Repairs

- TECHNICAL SUPPORT + 2006
- EMCal West & East Done
  - DC HV/LV patch panel upgrade & wire repair Done
  - MPC South repaired
  - BBC South & North repairs done
  - MuTr grounding problems Fixed
  - MuTr North and South HV/FEE troubleshooting ~ Done..Dry air distribution balancing done
  - RICH light leak ~
  - PC HV module/cable maintenance done
  - TEC upgrades done
  - MuID survey **DONE !**
  - **MuID commissioning next month after flammable gas is on**



# Infrastructure Work

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CAD/RHIC PHENIX infrastucture related mechanical and electrical support

Roof leak repairs

MuID survey

Door Latch maintenance for security

Metals Dumpster

Run 7 prep support

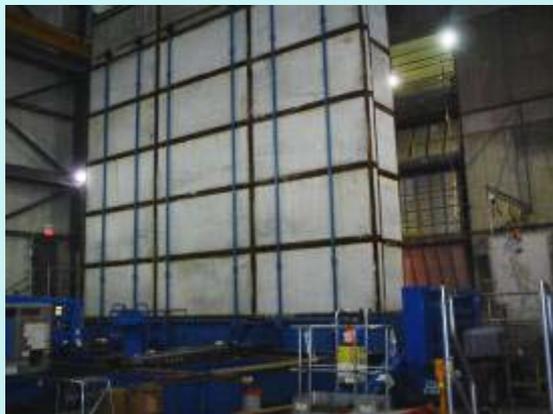
?

*Done*

*Requested*

*Requested*

*On-going*



# Remaining Schedule

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	Start	Complete
<b>TOF West, RXNP, MPC N</b>		
Electronics Installation/Commissioning	in progress	12/30/06
<b>HBD</b>		
HBD preamp cooling system (temporary LN2 system in-place)	10/1/06	12/15/06
Electronics Installation/Commissioning	11/1/06	12/30/06
<b>MuID commissioning</b>	1/8/07	1/15/07



# Remaining Schedule (cont'd)

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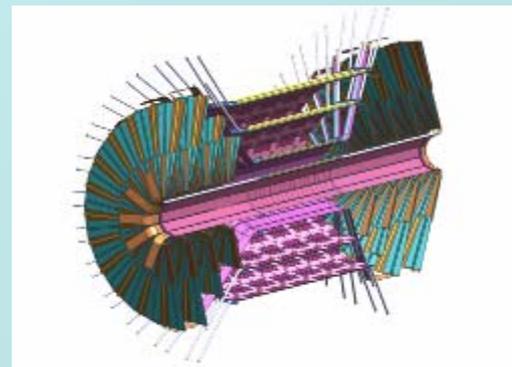
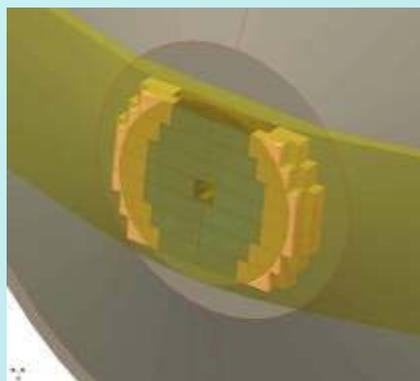
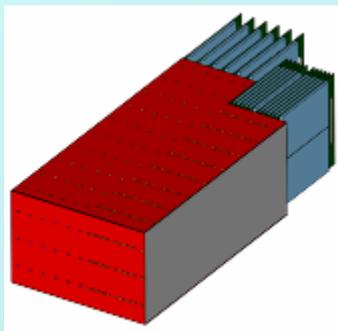
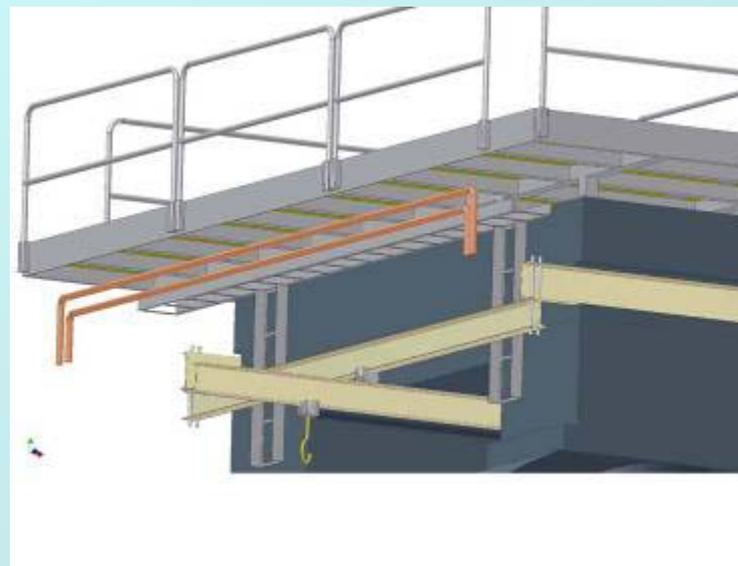
- Pink Sheeting & Blue Sheeting**
- Move MMS full North**
- Rebuild Rolling door**
- Install beam pipe collar**
- Close rolling door**
- Start Flammable Gas Flow**
- All Up Commissioning**
- RHIC Cooldown Begins**
- Beam in yellow ring**
- Beam in blue ring**
- RHIC beam conditioning**
- Shutdown Concluded/Start of Physics Run**

Start	Complete
Done	Done
Done	Done
Done	Done
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RS-2 D	RS-2 D
RS+1 D	RS+1 D
RS+1 D	RS+3 W
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RS+1 W	RS+1 W
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RS+3 W	RS+3 W



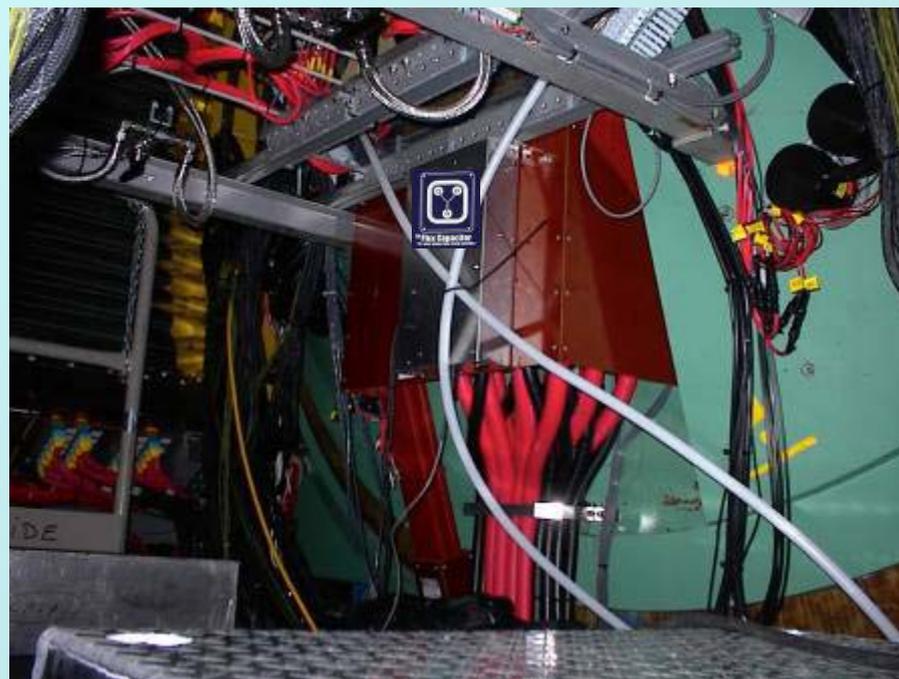
What's up for next year and beyond

- New CM Crane
- New Beam pipe design
- Muon RPC trigger design
- VTX/FVTX design
- NCC design
- MuTr upgrade ?
- Infrastructure improvements



# SEU Test John Lajoie Iowa State

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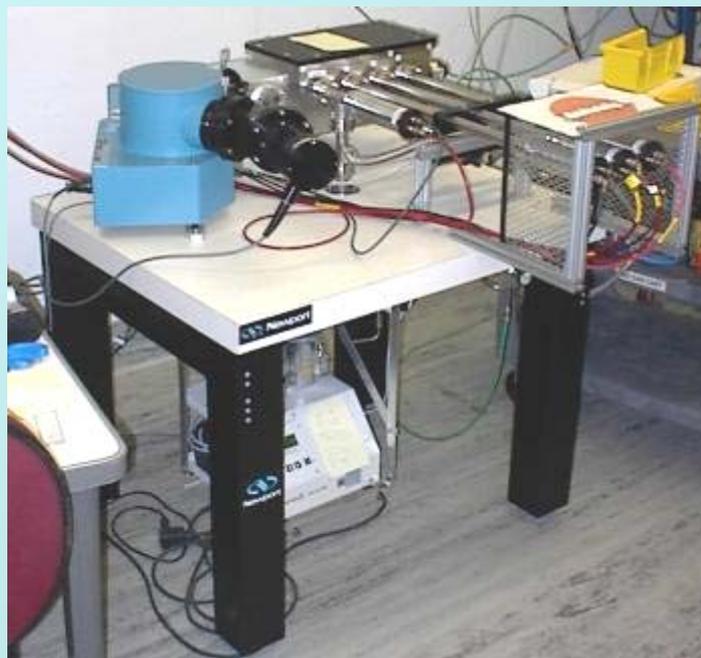


# PHENIX Annual Safety Review Follow Up

- No major problems/no action items received from Yousef
- Provide as-built drawings and procedures for new gas systems (TOF W and HBD)- Rob finished drawings. Procedures in-progress
- Comprehensive review of PHENIX procedures, revise where necessary, retire where appropriate - Started

# HBD Transparency Monitor

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# This Week/Next Week

- Shutdown '06 work permits closed out
- HBD, TOF W, RXNP, MPC N electronics commissioning, Move HBD trans. monitor to 1008
- HBD (BD)<sup>2</sup> [=H(BD)<sup>3</sup>?] fabrication/test/installation
- PHENIX Procedure review continued
- Subsystem Commissioning continued
- Interlocks for CM Lift table [Up is done, Down is in progress]
- Prepare for Run 7 [???

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# New Business

Get your requests for  
shutdown 2007 work in early

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# Where To Find PHENIX Technical Info

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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)