



PHENIX Status: Run6

Abhay Deshpande
Stony Brook & RBRC

RHIC Spin Collaboration Meeting
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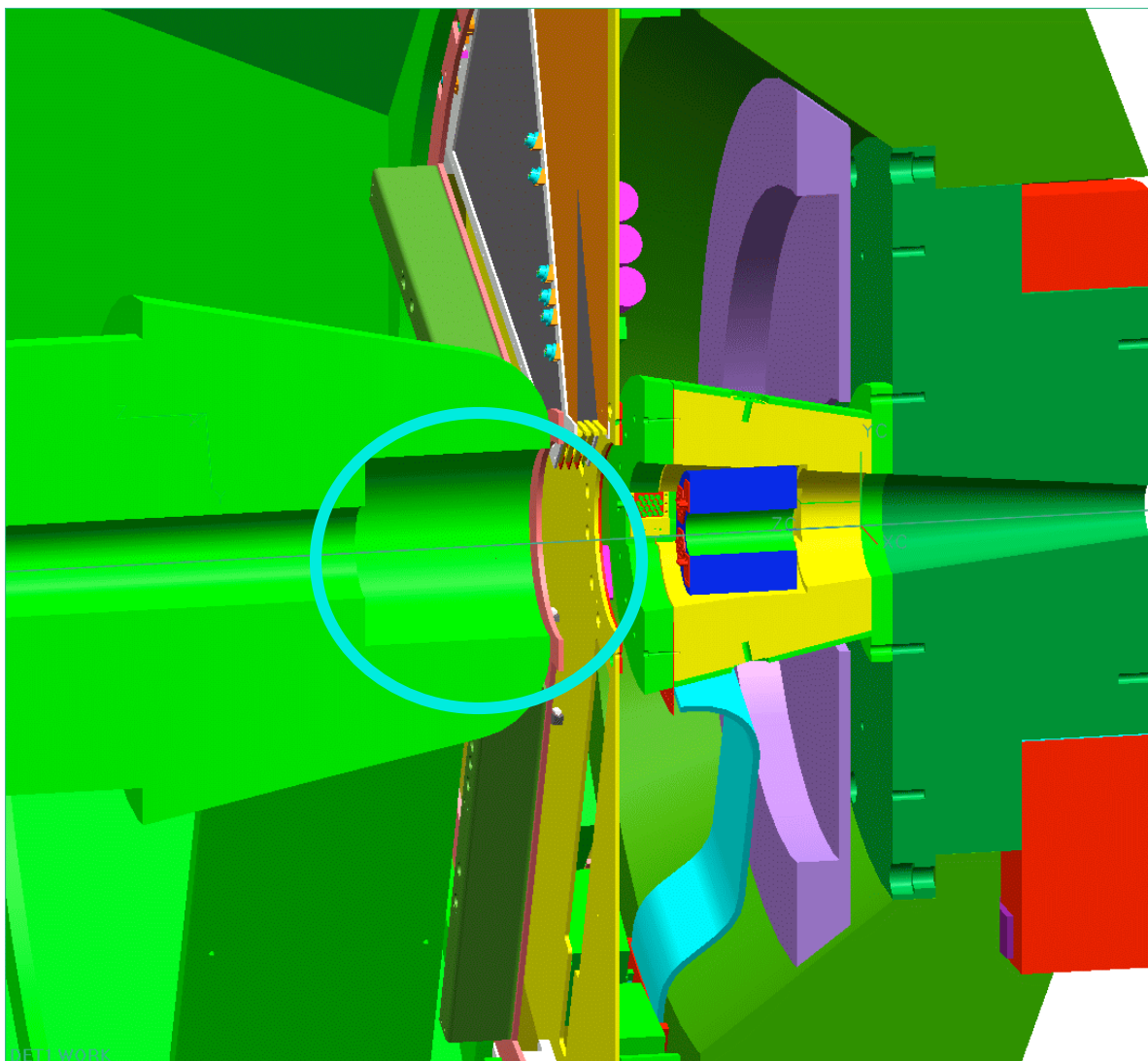
Sequence of Events and Prep Work

- December 22, 2005
 - I first got officially called to suggest I may have to cancel my Christmas plans by PHENIX management
- December 24, 2005 -- January 3, 2006
 - Discovered a major water leak in the PHENIX IR
 - Beam Beam Counter drenched in water, so were the MuTr
 - BBCs completely dismantled, tube by tube, crystal by crystal dried and put back over the next 7 days and tested in the first week
 - MuTr dried in place and tested in the first and second week of January
 - **Very luckily: both systems came back without a problem and seem to be working fine**
- This has been followed by an intense level of activity at PHENIX to bring it in operational stage this week.

Phenix Status (1)

- Thanks to John Haggerty, our engineering staff and the technical support staff, PHENIX is in good shape today
- Muon Piston Calorimeter (MPC) a new calorimeter was installed
- Test equipment for future detector upgrades being planned and installed:
 - Radiation monitor for Silicon Vertex Tracker (SVTRK)
 - Hadron Blind Detetcor (HBD)
 - Some other minor detector-lets (ideas)
- Detector is now closed and ready for operation

Muon Piston Calorimeter



Arrived at BNL in the second week of January

Tungsten Si calorimeter
 $\sim 3 < \eta < \sim 3.7$

Installation connections
basic electronics now on.

Some boards to read in
to our DAQ awaited

Expect by February 20

PHENIX Status (2)

- All detectors have been turned on for the last whole week
- Detector experts have run some diagnostic tests, some have been calibrated
- LV Control programs have been checked
- Inert gases have already been circulated
- Flammable gas permit was issued this morning, will start this afternoon
- DAQ operations/modification (annual!) have begun and will continue until the third week of February
- PHENIX watch shifts started February 7, 2006
- PHENIX regular shifts start February 23, 2006

PHENIX Status (3)

- Period coordination (2 week) in place from February 15-June 21st
- 5 Person shift schedule for regular operations is being filled and is in good shape until May end
- Online monitoring systems have been checked
- Trigger setup has been planned for various scenarios of data rates: from last year's end to four-five times that
 - Run time duties for trigger configuration and implementation assigned (along with new people for trainees)
- Data handling in PHENIX
 - 10-15% is produced locally in 1008
 - “Second level trigger” is used as a filter and a 15% data set will be sent to Vanderbilt Super Computer Farm for quick analysis
 - All of 200 GeV data will be sent to CCJ for analysis like last year for production
 - Transfer of data to CCJ was tested yesterday with 80-100MB/s sustained over about 2 hrs.
 - Will perform addition tests next week with other conflicting processes



**PHENIX will be ready to take data
in the week of 23 February**