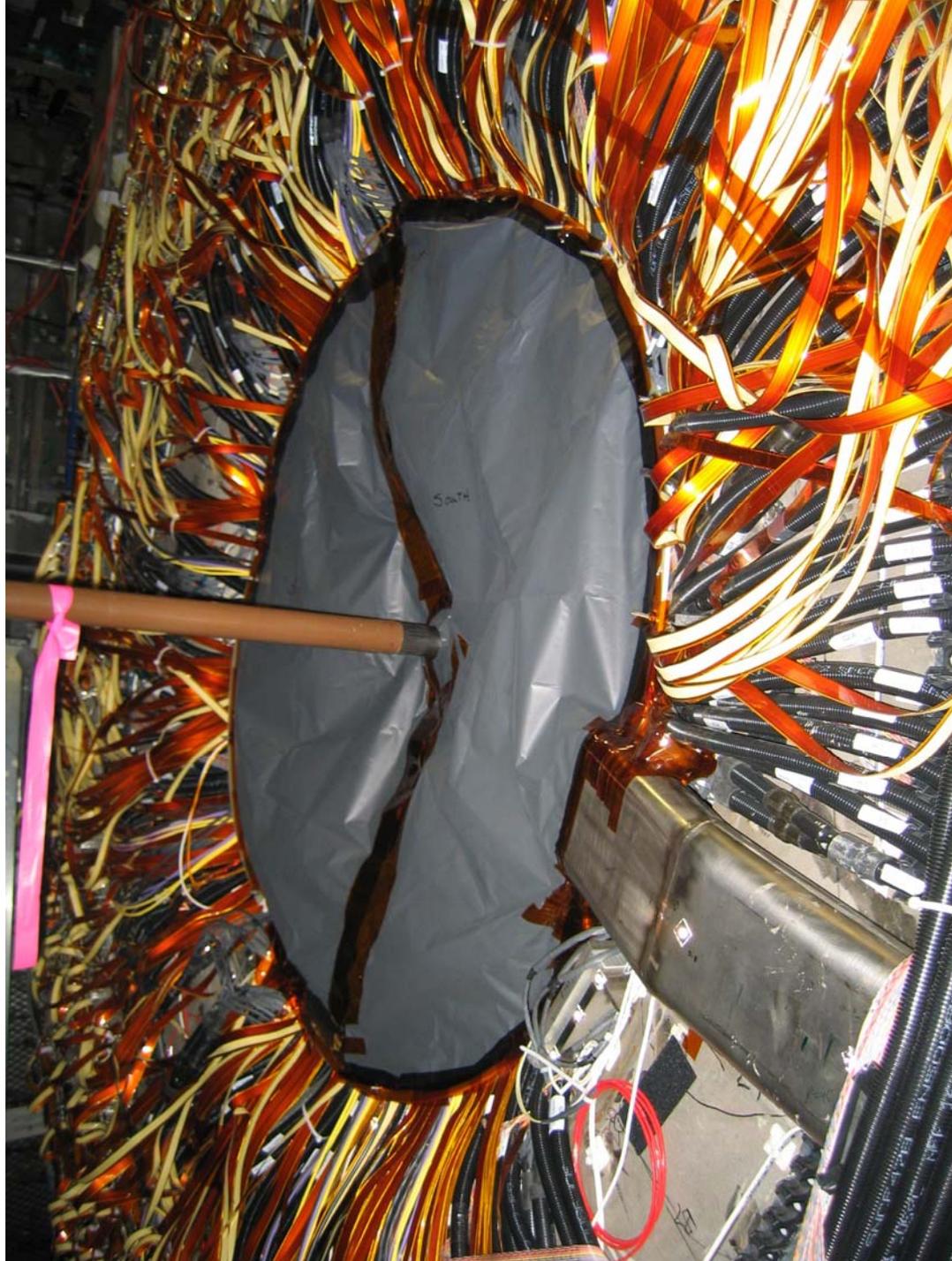
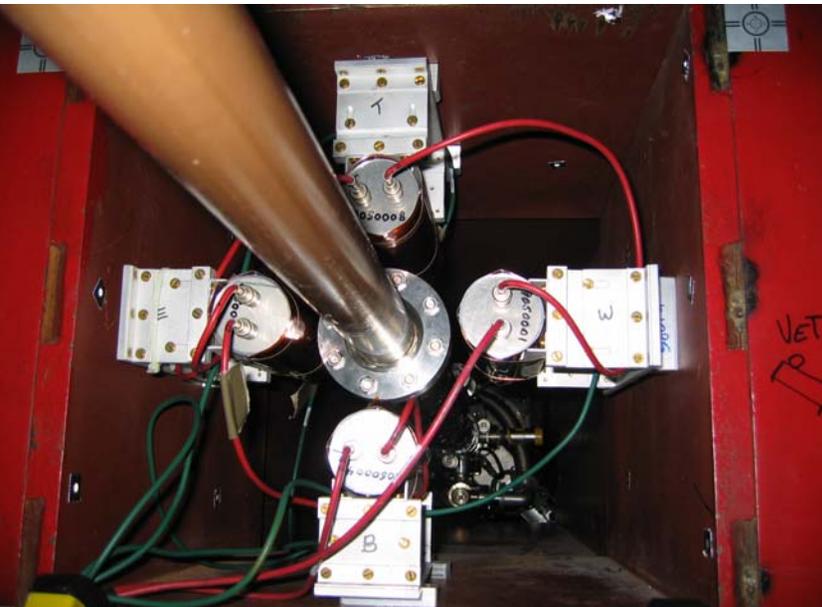


2007 Shutdown

George Ginther
University of Rochester

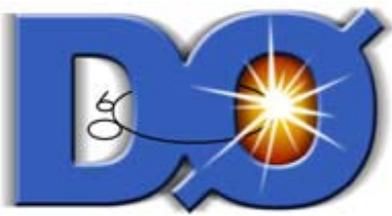
10 September 2007





DØ Shutdown

- Detector fully open for majority of shutdown
 - Opening surveys completed
 - Toroid LCW leak repaired
 - Power distribution maintenance complete
 - Subsystem and infrastructure maintenance underway
 - Individual channel recoveries in progress
 - Calibrations in progress
 - Safety system tests scheduled
- Re-positioning of low beta quad currently under evaluation



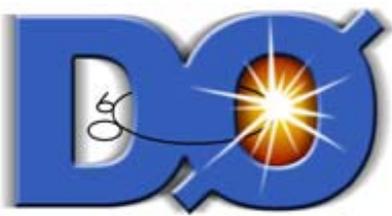
2007 Shutdown Activities

- Luminosity monitors
 - Replacement of scintillators nearly complete
- Silicon Microstrip Tracker
 - Individual channel recovery efforts
 - Re-terminating clock lines as appropriate
 - Introducing modified Adapter Cards where appropriate to facilitate recovery of chips from HDIs that suffer from broken power wirebond
- Central Fiber Tracker and PreShower Detectors
 - Development, testing and implementation of TDC readout for AFEIIs in progress
 - Upgrade Forward PreShower detector to AFEII readout anticipated
- Calorimeters
 - Liquid argon levels have been topped off
 - Replacement of failed preamp supplies anticipated
 - Single channel recoveries in progress
 - Inner Cryostat Detector
 - Individual channel recovery and stabilization efforts in progress
- Muon Detectors
 - Calibrations in progress
 - Individual channel recoveries in progress
 - Infrastructure maintenance in progress



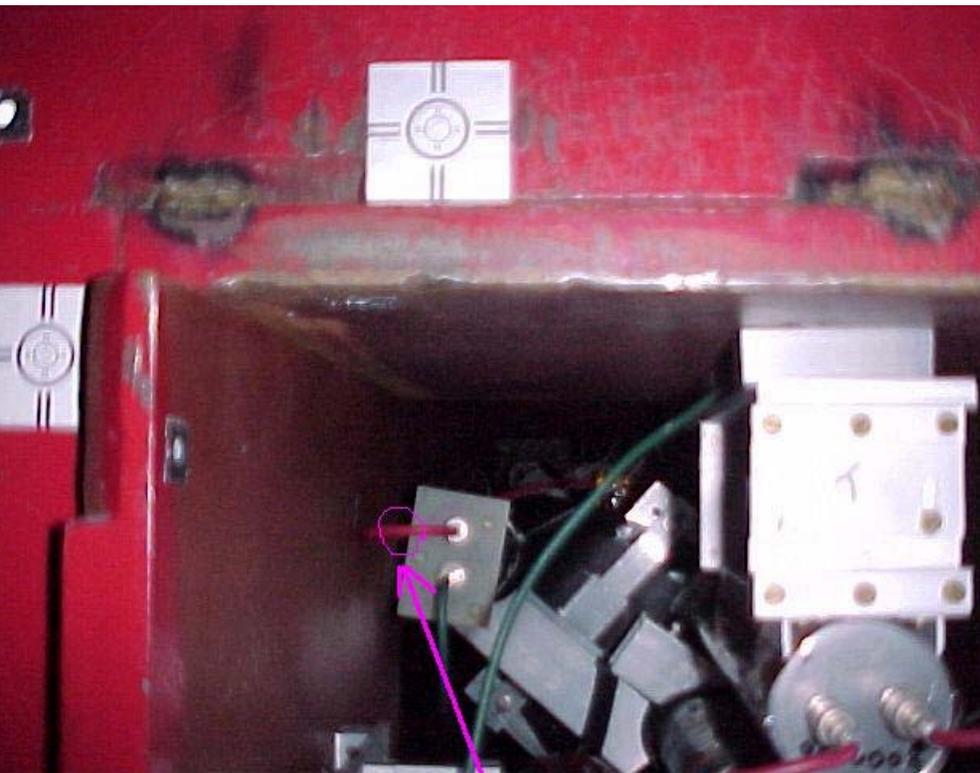
2007 Shutdown Activities

- Forward Proton Detector Decommissioning
 - Removed detectors from the castles in the Tevatron tunnel
- Trigger
 - Addressed disk problems on new level 3 nodes
 - Preparing for additional Level 3 nodes
 - Routine maintenance and development of subsystem hardware and support in progress
 - Developing version 16 trigger list in anticipation of higher initial luminosities
- Online systems maintenance and upgrades
 - Operating system upgraded to Scientific Linux 4.4
 - NET APPS file server installed (to improve reliability)
 - Expect to upgrade control room computer nodes

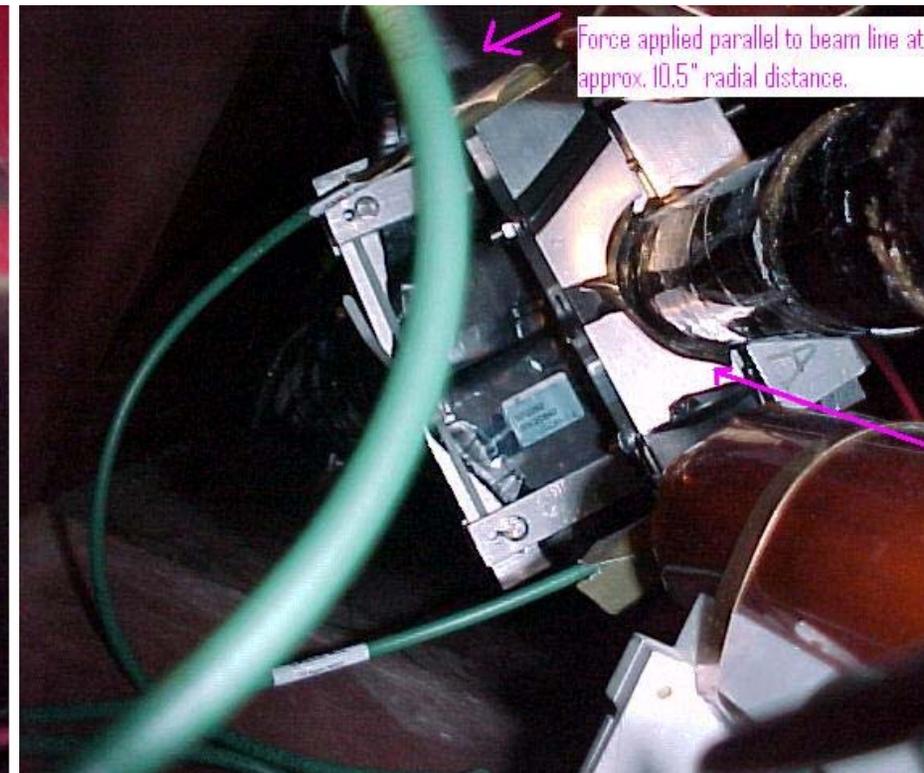


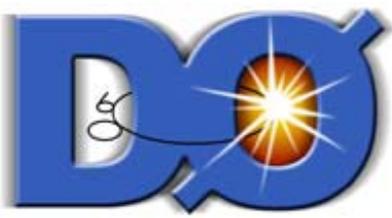
Unanticipated Developments

- First floor moveable counting house halon discharge
 - Likely a consequence of unscheduled power outage
- Discovered interference that un-intentionally put forces on beam pipe during October 2006 detector opening



Tip of aluminum channel interfered with red iron plate is mounted in FF south iron opens towards C





Looking towards startup

- Detector should be fully closed on October 8
 - Hope to power up solenoid and toroid for tests during the evening of October 8
 - requires search and secure of collision hall
 - After magnets have been ramped, hoping for detector surveys
- Expect to resume full shift coverage in advance of first collisions to facilitate smooth and efficient recovery after this long shutdown