

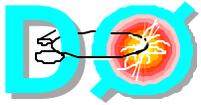
DO Status

5/21/01

- Most the detector system installation and instrumentation are completed during the shutdown;

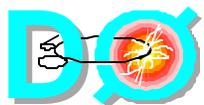
Sub-system	Installed	Instrumented	Operational
SMT	100%	100%	80%
CFT/CPS	100%	5%	5%
FPS	100%	0%	0%
Calorimeter	100%	95%	95%
CAL-Trigger	~45%	~45%	We've triggered%
ICD	95%	60%	60%
Muon PDTs	100%	100%	Will know in <1wk %
Muon MDTs	100%	100%	100%
Mu Trig. Cntrs	100%	100%	100%

Lost an IB crate LVPS!
Read out an AFE Prototype board from the platform



DØ Status cont'd

- The detector is closed as of last Friday afternoon
- Magnet testing over the weekend:
 - Both Solenoid and Toroid were turned on at their full strength with all 8 different polarity configurations (Saturday)
 - An unintentional quench of the solenoid occurred ✍ Recovered nicely from the quench
 - Solenoid field was measured with NMR at 2.01T
 - Toroid field was measured by the gauss meter at 1.7T
 - Experts monitored infrastructure during the magnet power up and down ✍ No issues was observed at all.
 - An SMT IB crate LVPS tripped and couldn't be reset ✍ don't think correlated w/ Magnet
 - Field strength measurement and polarity check performed ✍ Fringe field at various locations throughout the detectors are typically at around 50 gauss
 - Performed more systematic magnet on testing Sunday
 - Magnet on survey in the morning ✍ Observed 119mil shift in toroid position
 - Took data at two polarity configurations ✍ No problem other than expected gain reduction of some PMTs observed at the expected level



DØ Status + Conclusions

- ? We have a solenoid temperature issue
 - ✍ Running bit too close to due point ✍ Bad impact to CFT fibers
 - ✍ We can run SMT temperature about 20°C higher than normal ✍ SMT can survive as long as beam exposure is low (please don't dump beam on our SMT ✍)
 - ✍ But need to fix it before high luminosity running
- ? We are getting ready for S&S this afternoon
- ? Normal shift operation began from the day shifts today
- ? DØ is entering a more serious commissioning phase
 - ✍ Need to coordinate with BD more on
 - ✍ Magnet effect to beam tunes
 - ✍ Quiet times
 - ✍ More regular beam-on/off schedule