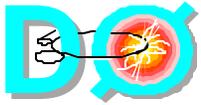


DO Status

5/7/01

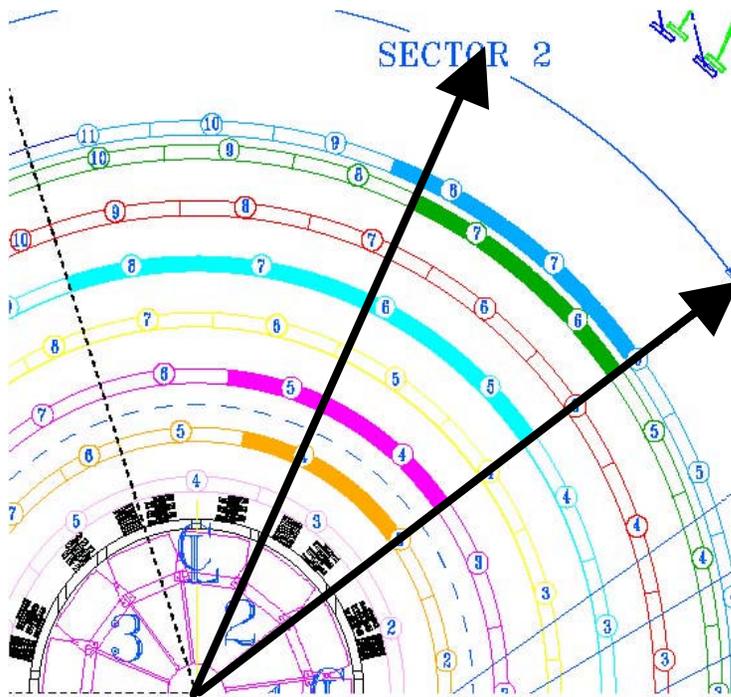
- Significant progress being made in finishing off the remaining work inside the detector
 - ✍ SMT ✍ Plan to complete inside the detector by the end of this shutdown
 - ✍ South side low mass cable connection completed & 80 conductor cables redressed
 - Readout verification in progress
 - Removal of some jumper cables remains to be done
 - ✍ North side 80 conductor cable redressing on CC face completed
 - Low mass cable connection in progress ✍ Expect either today or tomorrow
 - 80 conductor cable redressing to IB to follow
 - ✍ All IB readout infrastructure completed
 - ✍ North side Sequencer infrastructure work in progress
 - ✍ CFT
 - ✍ A pair of prototype-AFE boards will be installed and be reading out complementary to the existing Stereo boards
 - ✍ Track trigger systems being installed to exploit the AFE read out
 - ✍ West Cryostat loaded with VLPC cassettes ✍ Remaining East (~15)cassettes to follow

All Exp. Mtg
May 7, 2001

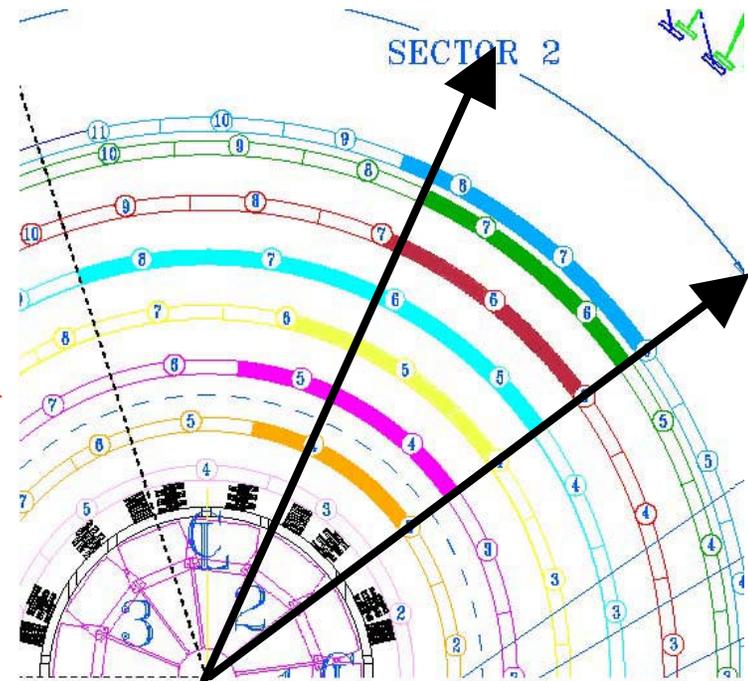


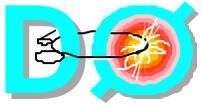
CFT w/ AFE prototypes

5 axial layer hits
1 stereo layer hit
All CPS



7 axial layer hits
1 stereo layer hit
All CPS





DØ Status cont'd

✧ Calorimeter

- ✧ Trigger summers for all CC implemented ✧ Ready for beam
- ✧ All but one EC BLS crate ready ✧ No trigger yet

✧ Inter-cryostat detectors, FPS and ICD, and cables being installed

- ✧ South face FPS completed ✧ ICD to follow
- ✧ North West ICD installed
- ✧ North west face FPS completed ✧ Dictated by the progress of SMT-N

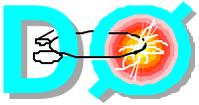
✧ Muon systems:

- ✧ Central PDT CoBo installed in progress
- ✧ Both central and forward trigger counter calibration in progress
- ✧ Minor Forward MDT work in progress but essentially ready for beam
- ✧ L1 muon cable connection being made
- ✧ Some production boards being implemented

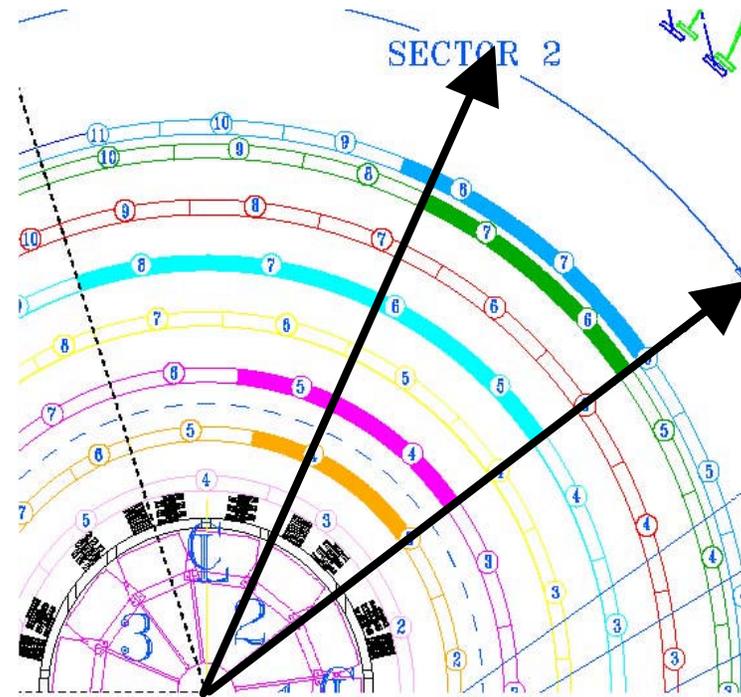
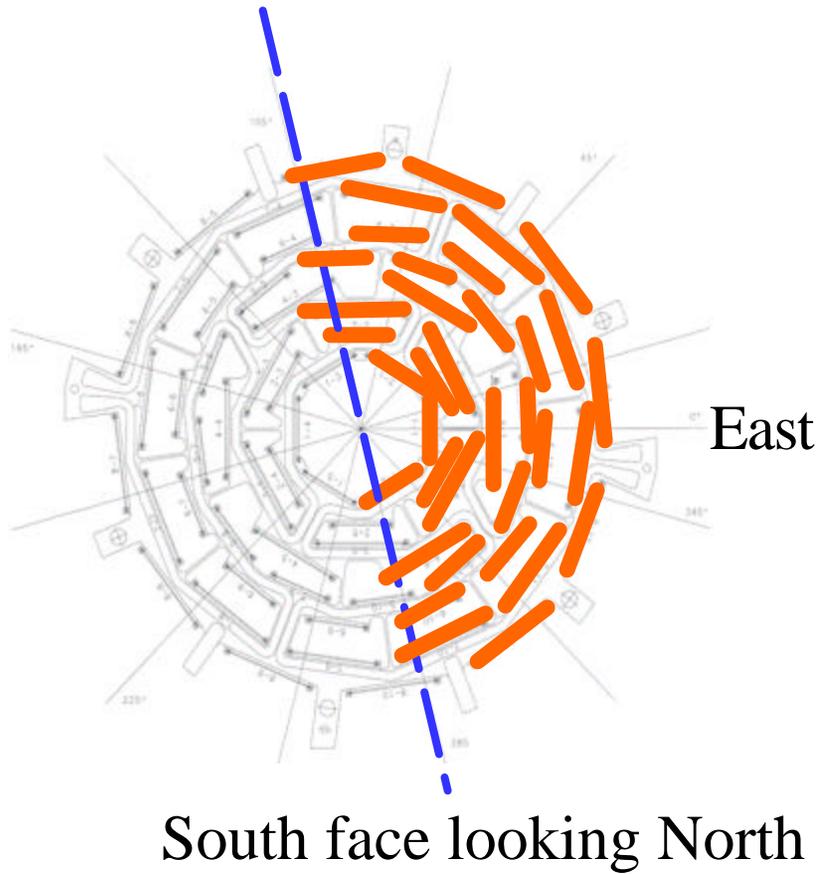
✧ Solenoid under cryo-operation beginning last Wednesday.

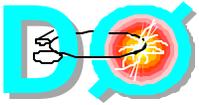
- ✧ Bus work in progress ✧ Plan to turn on both Solenoid and Toroid after the shut down

? The detector will be CLOSED after the shutdown



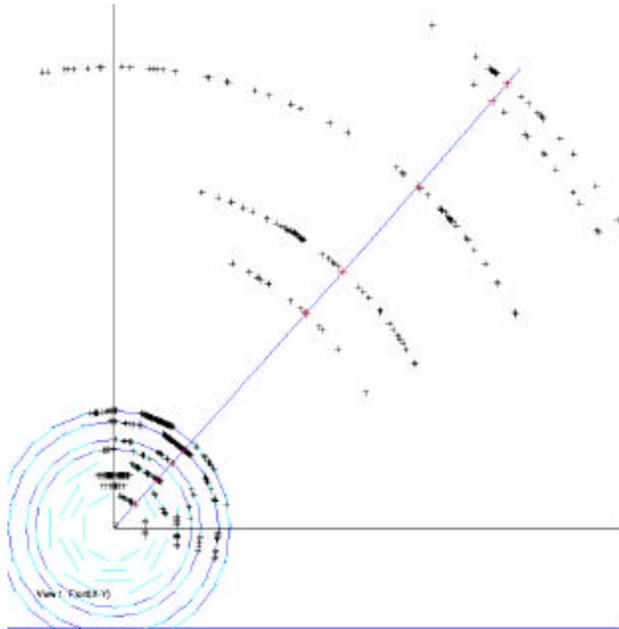
DØ SMT+CFT During 36x36



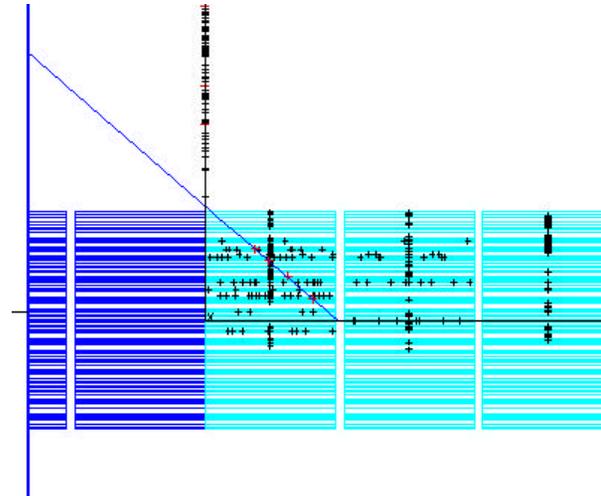


First DØ Global Track in SMT+CFT

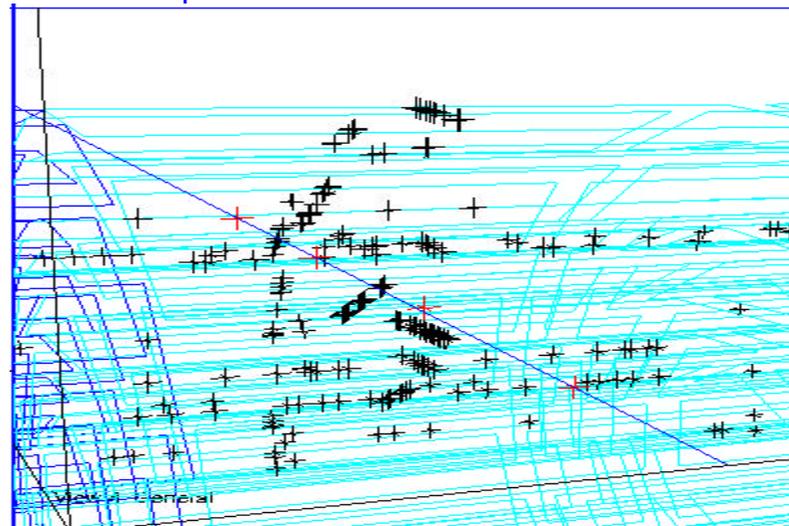
Axial



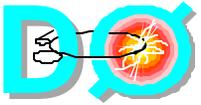
Stereo



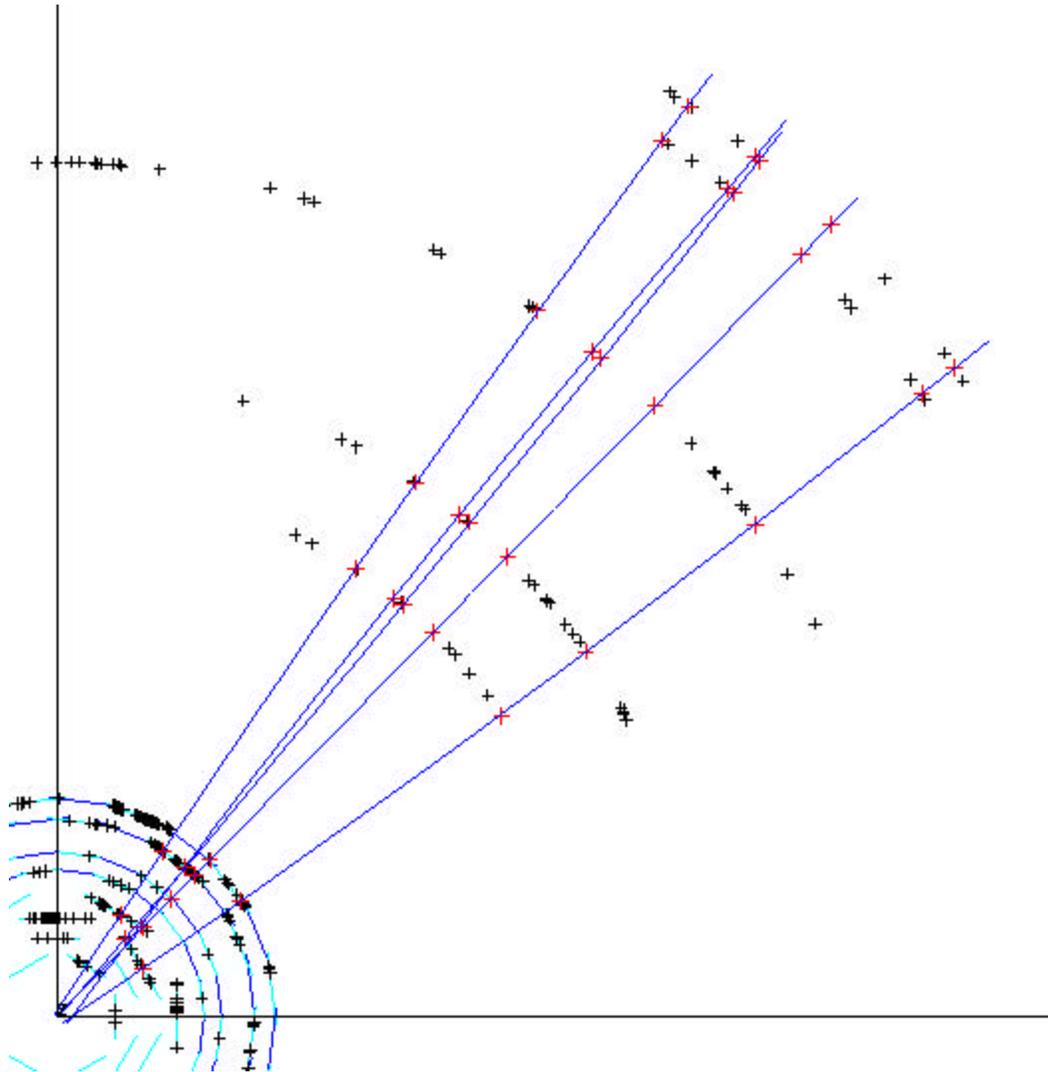
3D

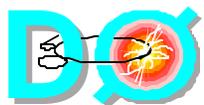


All Exp. Mtg
May 7, 2001



There are multiple track events too

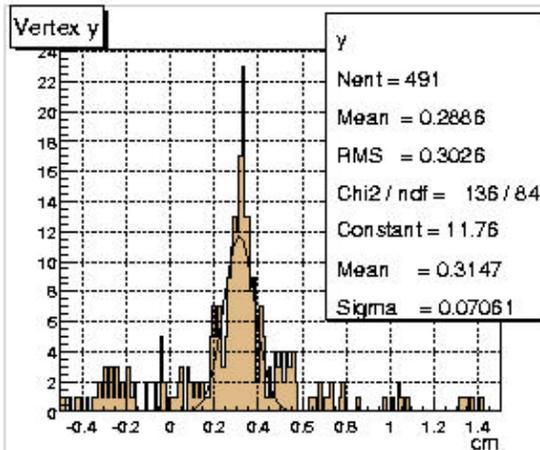
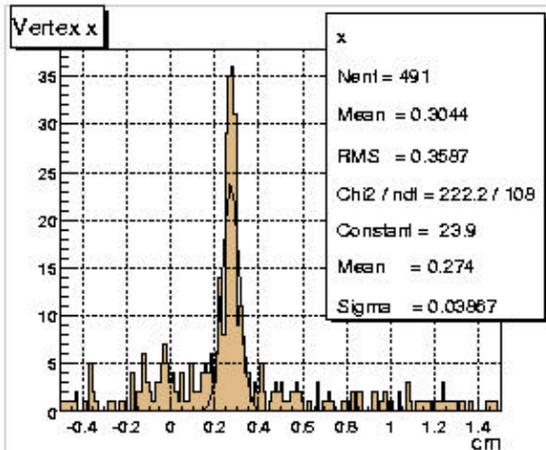




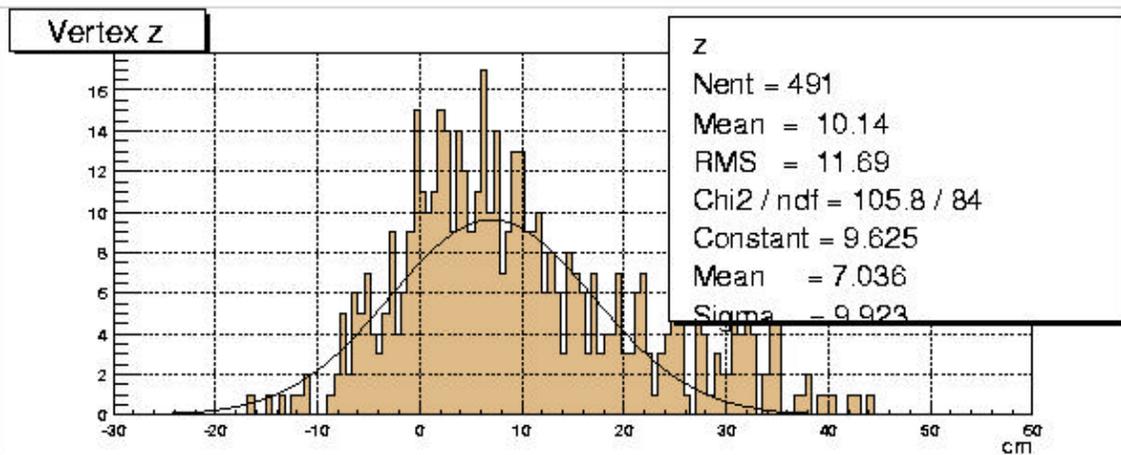
DO Vertex Distributions

5/7/01

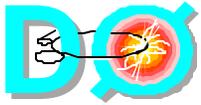
? Analysis of one of the runs in 36x36



$X_{vtx} = +0.274\text{cm}$
 $Y_{vtx} = +0.315\text{cm}$
 $Z_{vtx} = +7.036\text{cm}$



All Exp. Mtg
May 7, 2001



Conclusions

- ? Everyone is working very hard to complete the installation work inside the detector ✍ To allow closing the detector
 - ✍ Absolutely necessary for DØ commissioning benefit
 - ✍ For the first time we could turn on magnets ✍ Never know what will happen
 - ✍ Minimize background from accelerator
 - ✍ Need to get at electronics racks under the detector
- ? Data analyses of the 1x8 and 36x36 running continue
 - ✍ We just took the first steps
 - ✍ Still have a lot to understand
 - ✍ But we certainly are making progress