PP2 Status ID

Jack Fowler – 16 February 2006
Sector 13

- Design has been finalized
- No changes to TRT positions
- Pixel power box has been rotated to improve access to type III cables
- Final platform positions determined except for some small adjustments to facilitate cable installation
- Designing mounting plates for boxes on platform
- Need to finalize cooling circuit/connections and sniffer pipes
Sector 13
Cable Routings Sector 13
Strain Relief Side View Sector 13
Cable Trays from Tile Fingers Sector 13
Strain Relief from Pixel Side Sector 13
Working Space Sector 13

Working height ~ 1.1 m
Working Space Sector 13

- Access hole 60 cm dia
- Width of working area 1.3 m
- TRT Box depth ~ 0.2 m
- TRT Cable envelope ~ 0.3 m
- Access space width ~ 0.7 to 0.8 m
Sectors 3 and 7

- Sectors 3 and 7 will be basically unchanged
- Moved small Pixel ENV box on top of TRT power
- Access to platform through 60 cm holes in voussoir
- Type II cable installation may be difficult
- Limited working height \(~ 1.4 \text{ m}\)
- Cable strain relief not designed yet
Type III Cable Trays and Cable Routing
Full View with Muon Chambers
Other Issues

- Leak test for cooling system
- Cable strain relief – good progress made on design of Type II
- Cable lengths needed – Type III?
- Design for sectors 9 – beginning now
Cable Installation Issues

- Logistics of cable delivery to pit
- Cable connector protection during installation
- TRT Type II DCS cable protection needs to be finalized and implemented
- Cable connectivity at PP2 and location in cable trays
- Cable testing after installation (possible need for repair/replace)
- Cable labels
Schedule

• Sector 13 can begin in late Feb/March
• Drawings for phase II cabling in sector 13 (includes Type II TRT and Pixel cables to PP2) to be completed next week
• Platforms in sectors 3, 7, 1 and 9 are being installed now
• Current sequence of installation for PP2 boxes – 13, 9 and 3