PP2 Positions
Status Sector 13

- Sector 13 contains PP2 Positions 5 and 6
- Design and build housings for 4 bubblers
- All cable strain relief needs to be defined - TC
Status Sector 3

- Sector 3 contains PP2 position 2
- The current layout has a potential interference with a Muon chamber
- Some boxes may be relocated on the platform - TC
- Type II cables are produced so any changes require that cable lengths do not change.
- Type 3 cable trays and supports need definition - TC
Proposed layout Sector 3

Pixel NTC/OPTO

Pixel ENV

Pixel Power

TRT Power
Side view of Sector 3
Proposed layout on the Platform
Proposed Sector 3 top view
Sector 3 Cable Routing Proposal
Status Sectors 1 and 9

- Sector 1 contains PP2 position 1
- Sector 9 contains PP2 position 4
- These sectors contain ~ 50% of PP2 services
- Difficulty in locating cable trays for Type III cables
- Power box orientation may change but this must be evaluated very closely
- Type II cables are produced so any changes require that cable lengths do not change.
- Type 3 cable trays and supports need definition - TC
Status Sector 7

- Sector 7 contains PP2 Position 3
- This sector is in the mirror location of sector 3
- Most likely similar problems found as sector 3
- This will be evaluated after sector 3 is complete
Misc Issues on all Platforms

- Finish cooling connections to power boxes - ID
  - Establish leak specification, for all of ID for $\text{C}_6\text{F}_{14}$ circuits
  - Establish cleaning specification
  - Set up area at CERN to complete these tasks
- Complete sniffer design and connections - ID
- All cable strain relief needs to be defined – TC
- Details of cable cooling installation
- Type III cable lengths
- Complete cooling manifolds
- Radiation monitor, quantity 4
- BCM, quantity 2
- ID NMR amplifier, quantity 4
Plans for ‘06

• **Mock up of sector 13 on the platform**
  – Phase I cables will be installed in early ’06
  – Some TRT/Pixel cables can be installed (if available) after this
  – Power boxes to be installed on platform late Jan / early Feb ‘06
    • This may be a temporary installation
    • To evaluate box mounting on platforms, strain relief for cables, cooling/sniffer connections and Type III cable routings
  – PP2 Platforms in sectors 3, 7, 1 and 9 to be installed in early ‘06

• **Possible sequence of installation for PP2 boxes**
  – sectors 13, 3, 7, 1 and 9
  – No definite time schedule set at this time
Procurement Status

• Pixel Status
  – Parts for PP2 boxes (crates, cooling and mounting) produced and are at Milano
  – PRR for electrical elements completed Dec ’05

• TRT Status
  – 14 boxes available at CERN now
    • These boxes were produced 5 mm to short and need to be modified.
  – Order for 68 addition boxes is being placed to a company in Prague
    • Maximum delivery time is 8 weeks
  – Front and back panels need to be designed and ordered
  – Parts for box cooling circuits need to be identified and ordered from CERN stores

• All
  – Radiation qualification internal components