

E907 Drift Chamber Report

MIPP Collaboration Meeting

8 November, 2003

Installation Status

- **Installation - Completed**
 - DC1, DC2, DC3, DC4 installed
 - All PreAmps and Discriminators tested
 - still needs testing of spare Discriminator cards
 - ~40 DC3 Discriminator cards still need fuse mods
 - DC1, DC2, DC4 completely cabled
 - DC3 still needs $\frac{3}{4}$ PreAmp cables
 - DC3 still needs $\frac{3}{4}$ Discriminator cables
 - DC1 & DC2/DC3 & DC4 $V_{\text{threshold}}$ Backplanes modified
 - DC1, DC2, DC3, DC4 HV installed
 - DC1, DC2, DC3, DC4 Gas working (temporary setup)

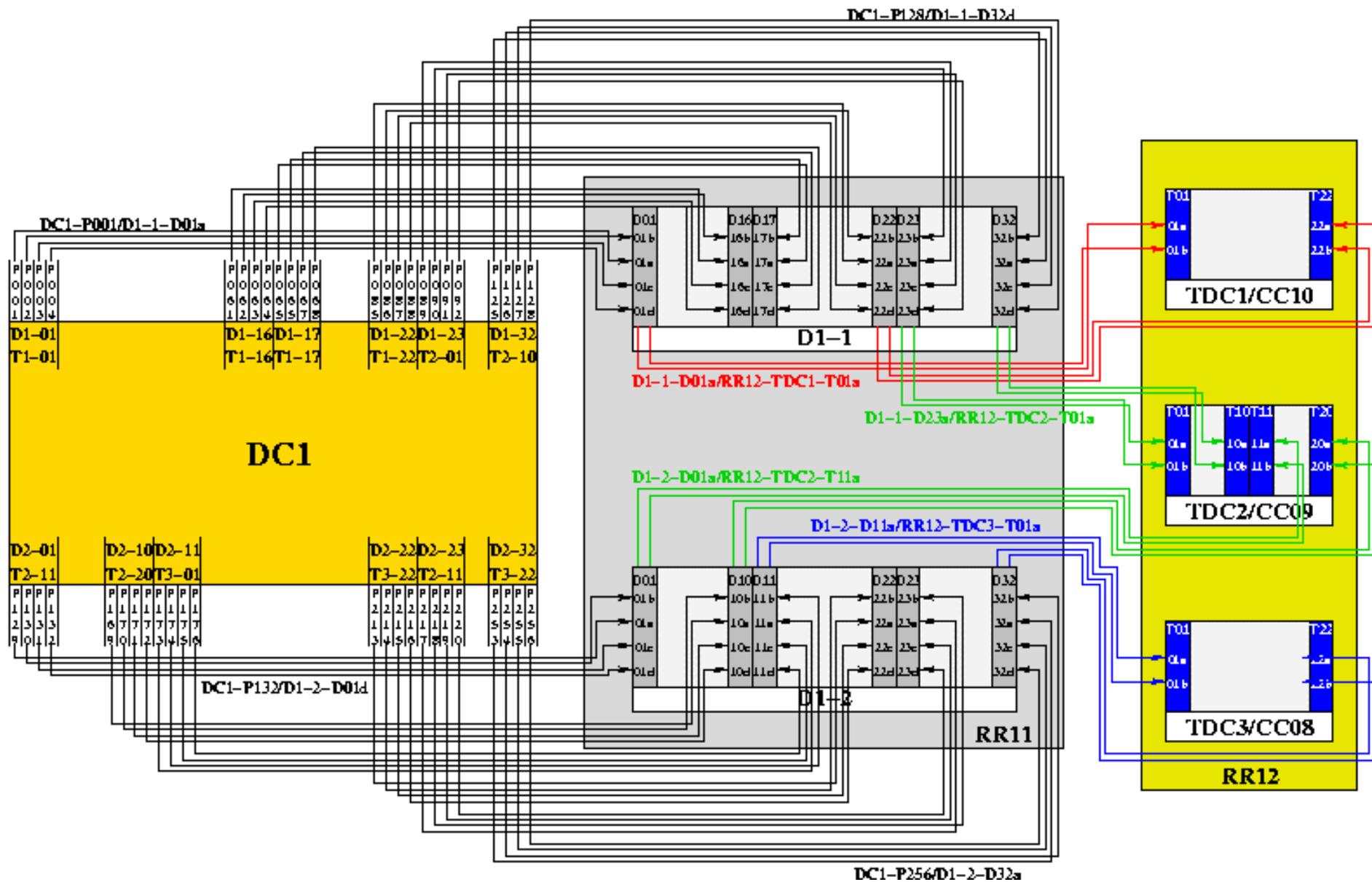
Installation Status - continued

- **DC1 & DC2/DC3 & DC4 Discriminator towers installed**
 - **Blowers all working/interlocked**
 - **All towers properly fused**
 - **Smoke detectors installed/interlocked**
 - **Klixon (temperature monitoring) installed/interlocked**

Installation Status - continued

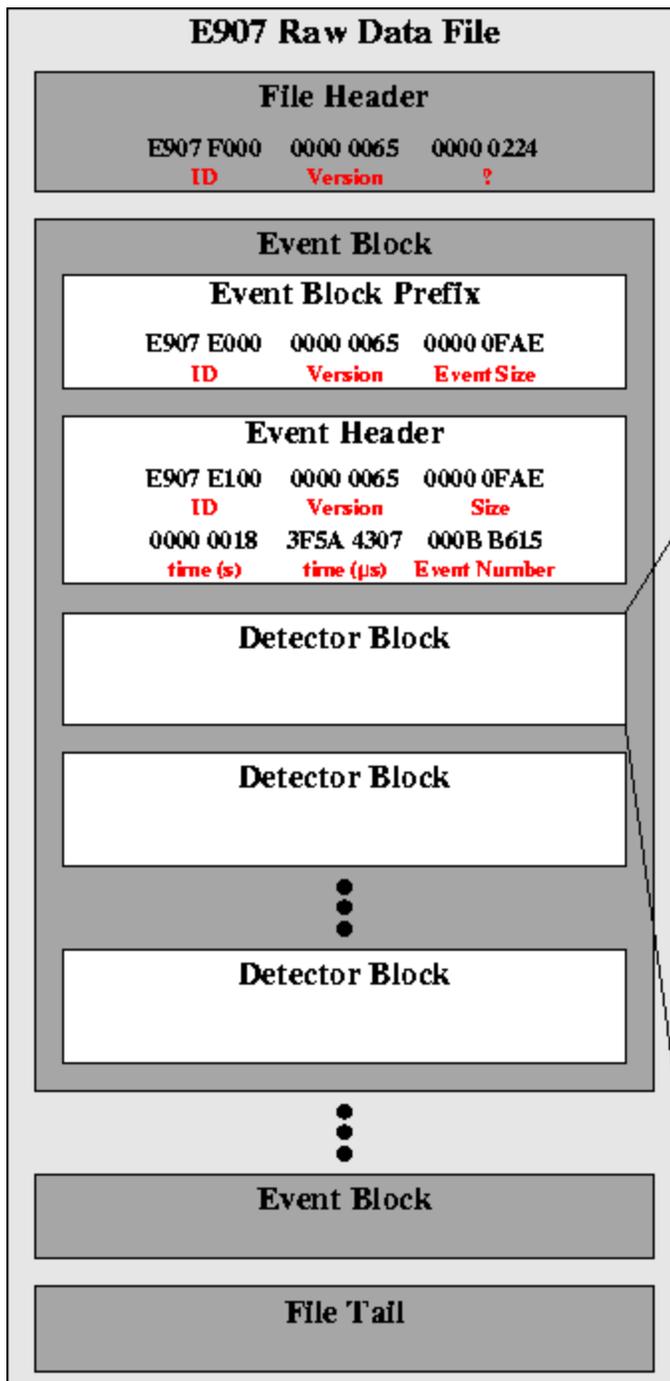
•Installation – To Do

- Complete fusing of DC3 Discriminators
- Complete DC3 cabling
- Complete $V_{\text{threshold}}$ additional connection for DC4
- Run $V_{\text{threshold}}$ cables to porta-camps
- Install monitoring devices:
 - -5.2V
 - +10V
 - $V_{\text{threshold}}$
 - Temperature
 - Air flow
- Modify safety document



DC Readout

- **Standalone worked successfully**
- **Significant progress integrating DCs with DAQ**
- **Significant progress in offline software**
- **BC/DC electronics mapping completed**
- **BC/DC geometry completed**



Future Plans

- Continued work on DC readout
- Get BCs into readout
- Continued work on offline code

We should be ready for data taking within 1-2 weeks