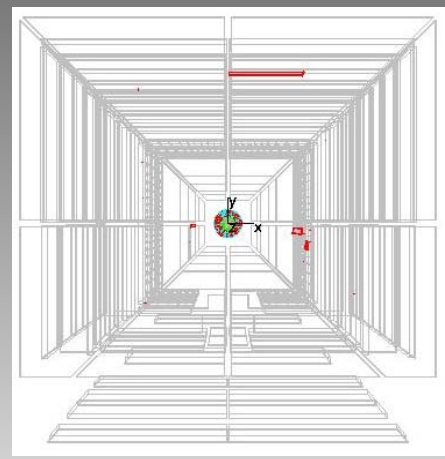
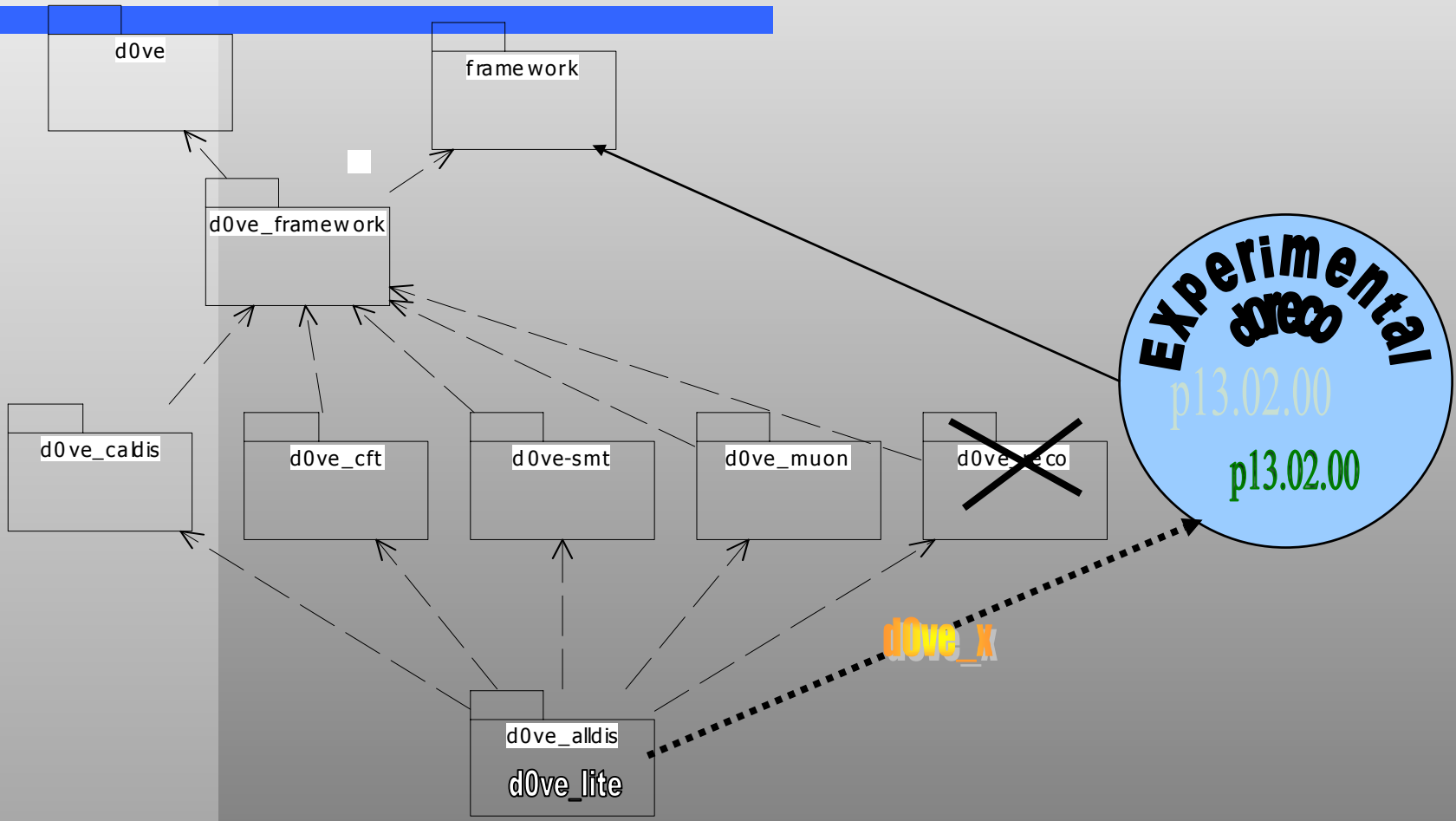


d0ve in the Control Room

Nobu Oshima

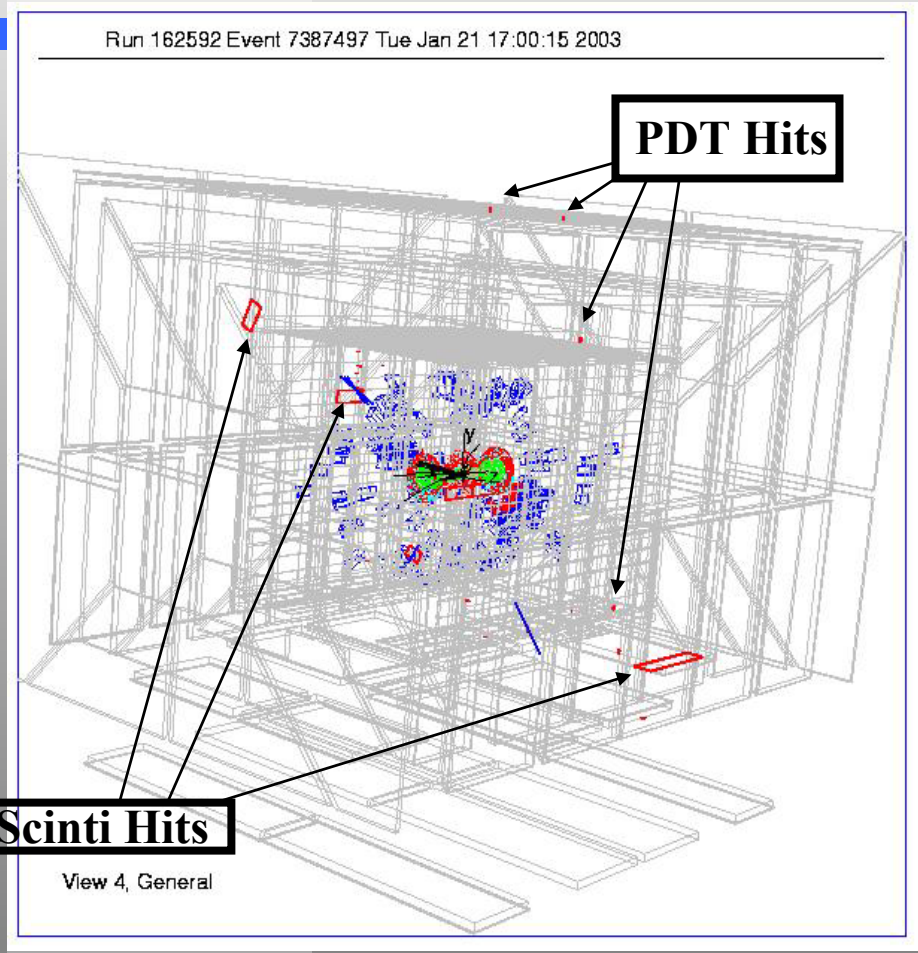
Package Dependencies

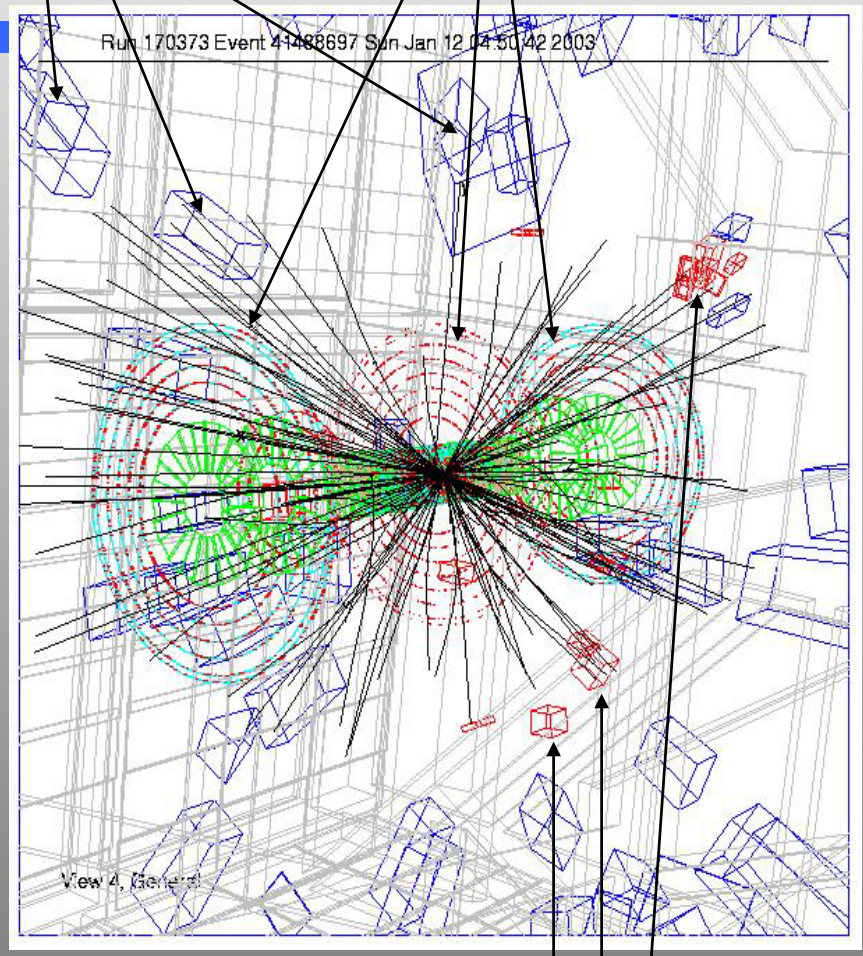


What are you watching?

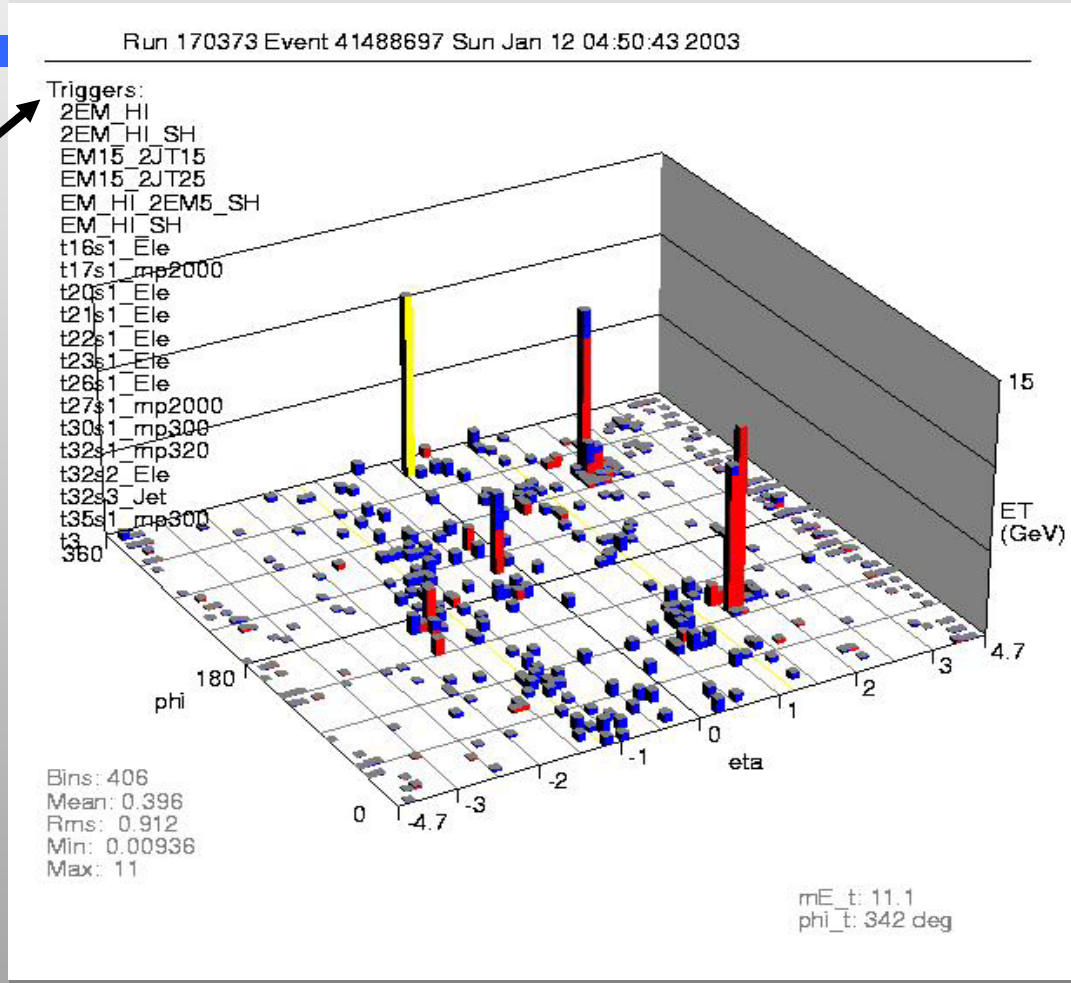
- Muon System
  - PDT, MDT, Scintillator Hits and Segments
- Calorimeter
  - EM and HAD Energy(Et)
- CFT, SMT and Tracks
  - Axial fibers(in X-Y and 3D) for CFT
  - Barrel & Disk Hits for SMT
  - Global plus Elastic tracks
- Trigger Names
  - Dump L3Chunk by L3TriggerSelector

3D Views


Run 162592 Event 7387497 Tue Jan 21 17:00:15 2003
PDT Hits
Scinti Hits
View 4, General


Run 170373 Event 41488697 Sun Jan 12 04:50:42 2003
Fragments of CFT Axial fibers
Cal Had Cells
Cal EM Cells

Calorimeter Lego Plot



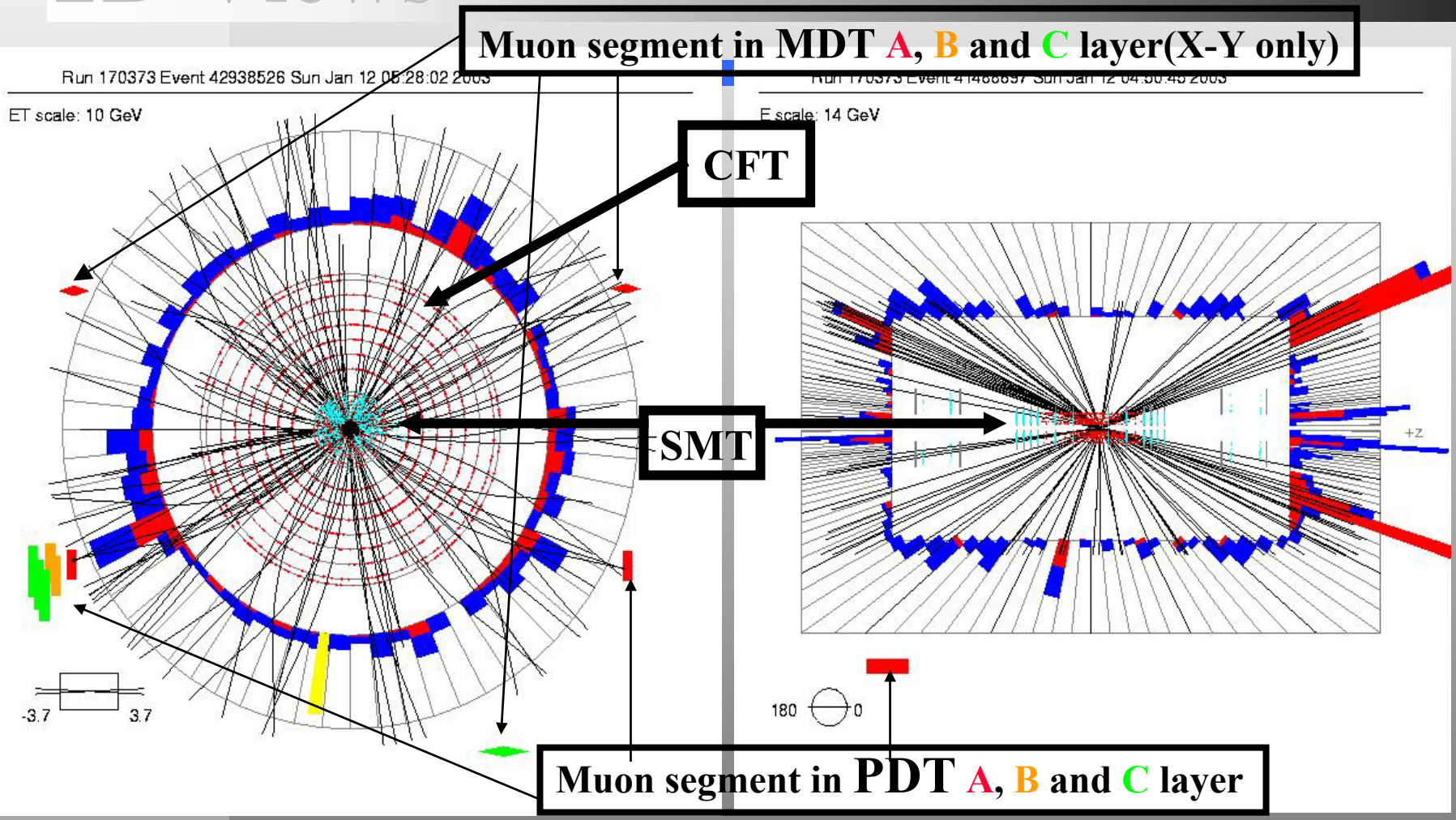
Trigger List

EM

HAD

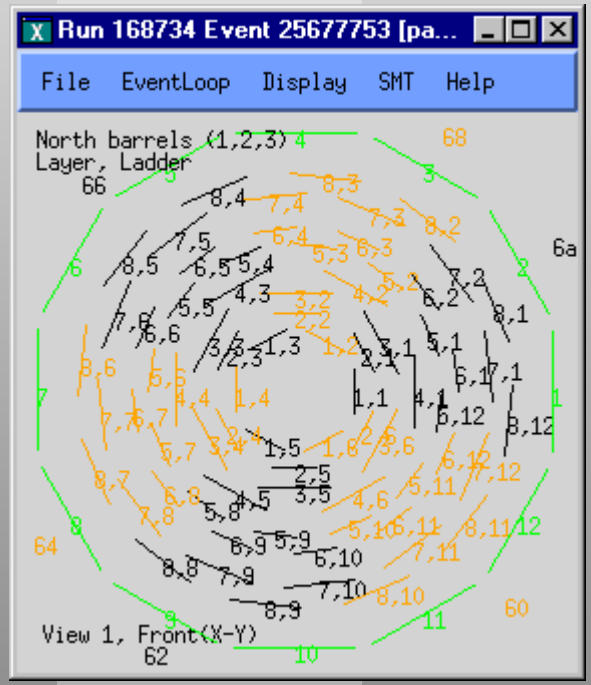
Missing ET

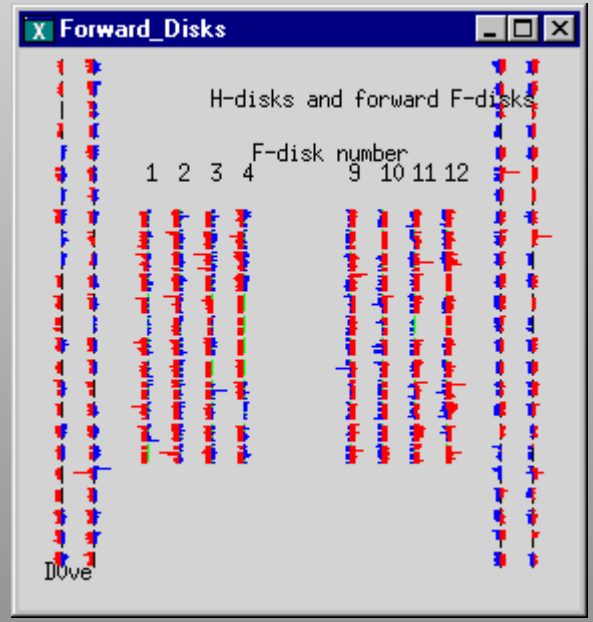
2D Views

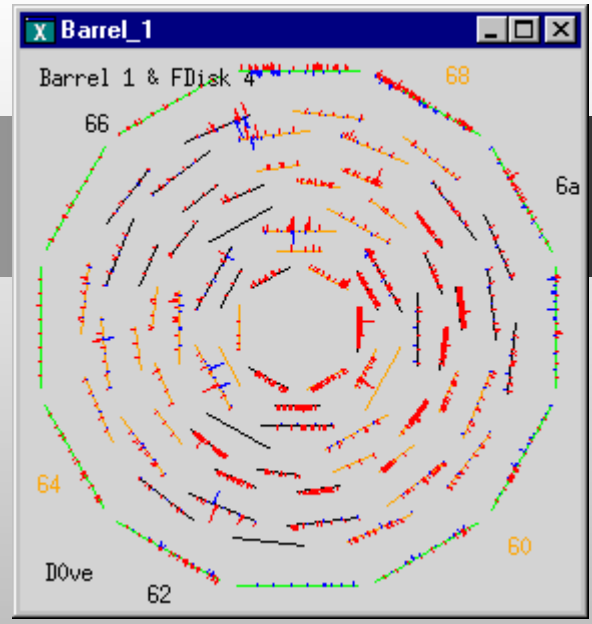

Muon segment in MDT A, B and C layer(X-Y only)
Run 170373 Event 42938526 Sun Jan 12 05:28:02 2003
ET scale: 10 GeV
E scale: 14 GeV
CFT
SMT
-3.7
3.7
180
0
+z
Muon segment in PDT A, B and C layer

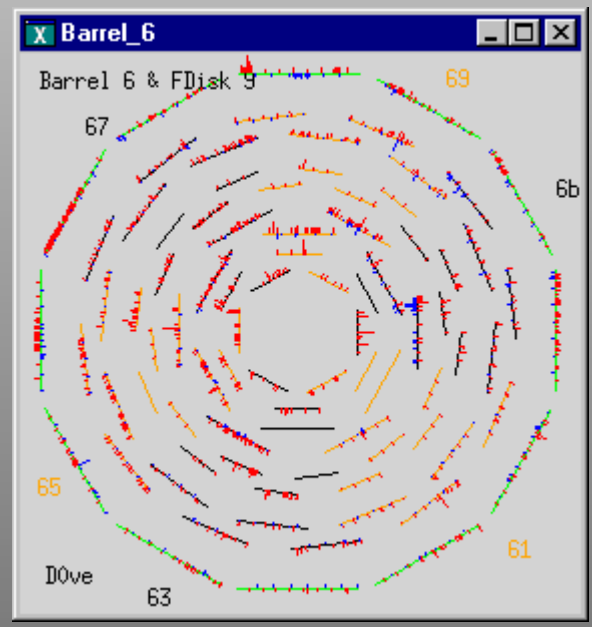
D0ve_smt_detail

by S.Dean &G.Hesketh









Start/Stop Procedures on d0ol32

- At /home/d0evd/p1302/, % d0setwa
- % cd d0ve_alldis/bin
- % d0ve_x –daq

  OR
- % *d0ve_x –daq_lego for Calorimeter LegoPlot.*

- To pause: type “space” key.
- To resume: type “Enter” key.
- To stop: type “Q” key on the 3D Window.

Menus and Keystroke Commands

- **Menus**
  - **File**

    [Open reco file…] nice for offline events scanning.

    PS print

    Exit
  - **EventLoop**

    controls events processing
  - **Display**

    controls drawing parameters
  - **DZERO/**

    CAL-MUON-CFT-SMT

    controls above subsystems' geometry/data
  - **Help**

- **Keystroke Commands**
  - **PgUp(m), PgDn(s) : zoom in, out**
  - **I , o : move in, out(Perspective)**
  - **,(<) and .(>) : rotate left and right respectively(10 degrees Step)**
  - **X , y , z : select axis to use for rotation by < , > keys**
  - **Arrows : move left, right, Up, down**
  - **Home(r) : reset to default viewing**
  - **U : refresh view**
  - **1 , 2 , 3 and 4 : X-Y, Z-Y, Z-X and 3D views respectively(the 3D Window only)**
  - **0 : (zero), toggle single/quad view**

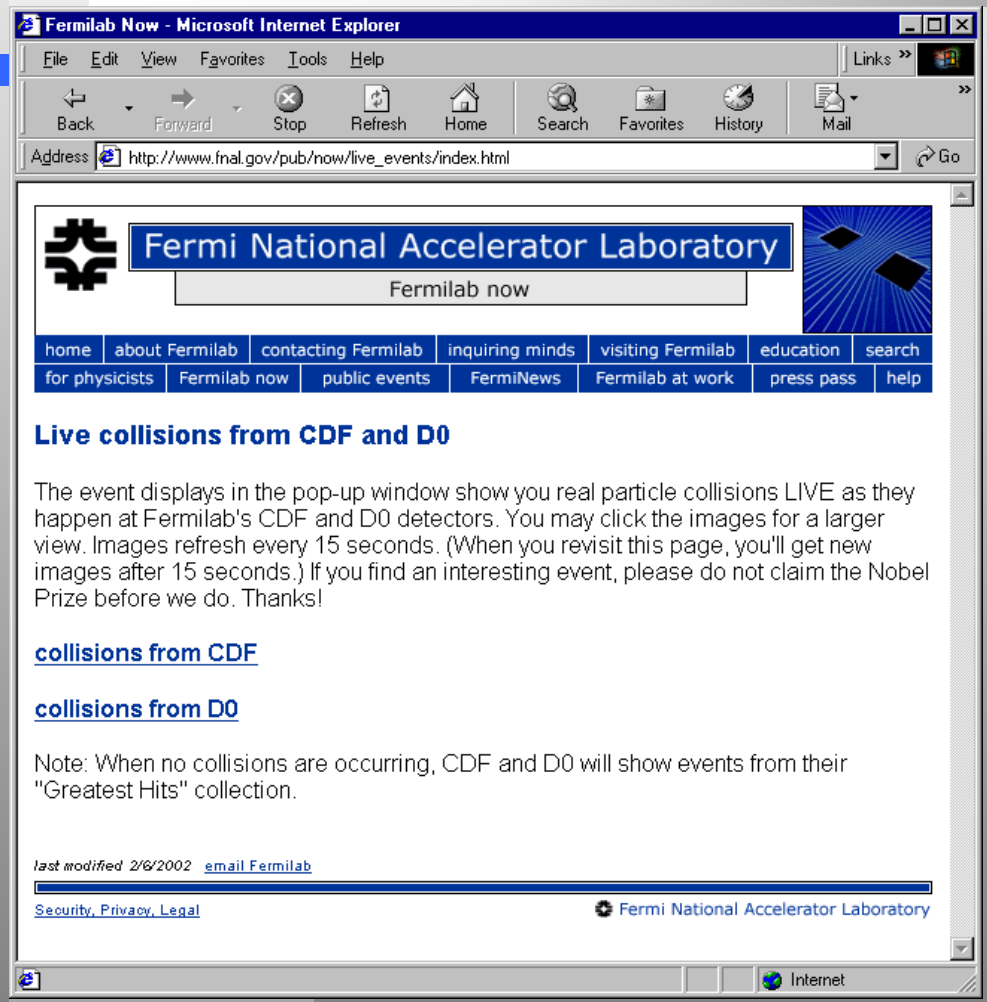
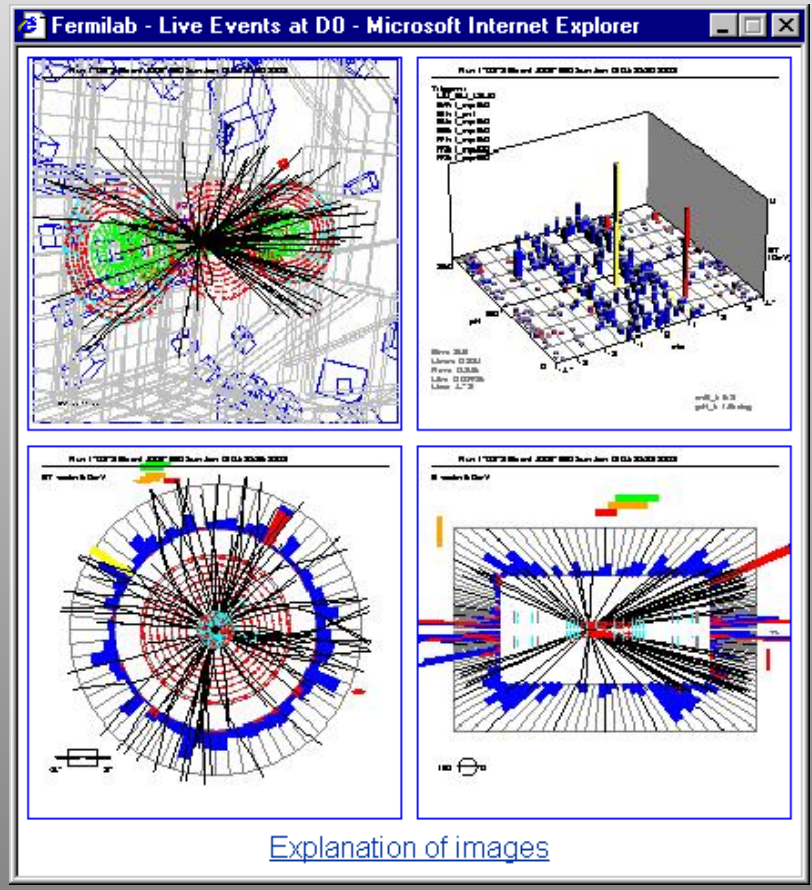
Near Future Plans

- **Adapt to multiple screens**
- **Provide magnified 2D views for live-event display**
- **Finish/Add FPD display**

Suggestions

Send an e-mail to T.Burnett(tburnett@u.washington.edu) or me (oshima@fnal.gov) . Thank you.

Related Documents and Link

- **D0ve Users Guide**
  - http://www-d0.fnal.gov/computing/graphics/d0veall/d0vealldoc.html
- **D0ve Developers Guide**
  - http://www-d0.fnal.gov/d0dist/dist/packages/d0ve/devel/doc/
- **D0Live**
  - http://www-d0online.fnal.gov/www/shift/event_pix.html

Who else is watching?