

# STAR Status Report for RHIC Coordination meeting

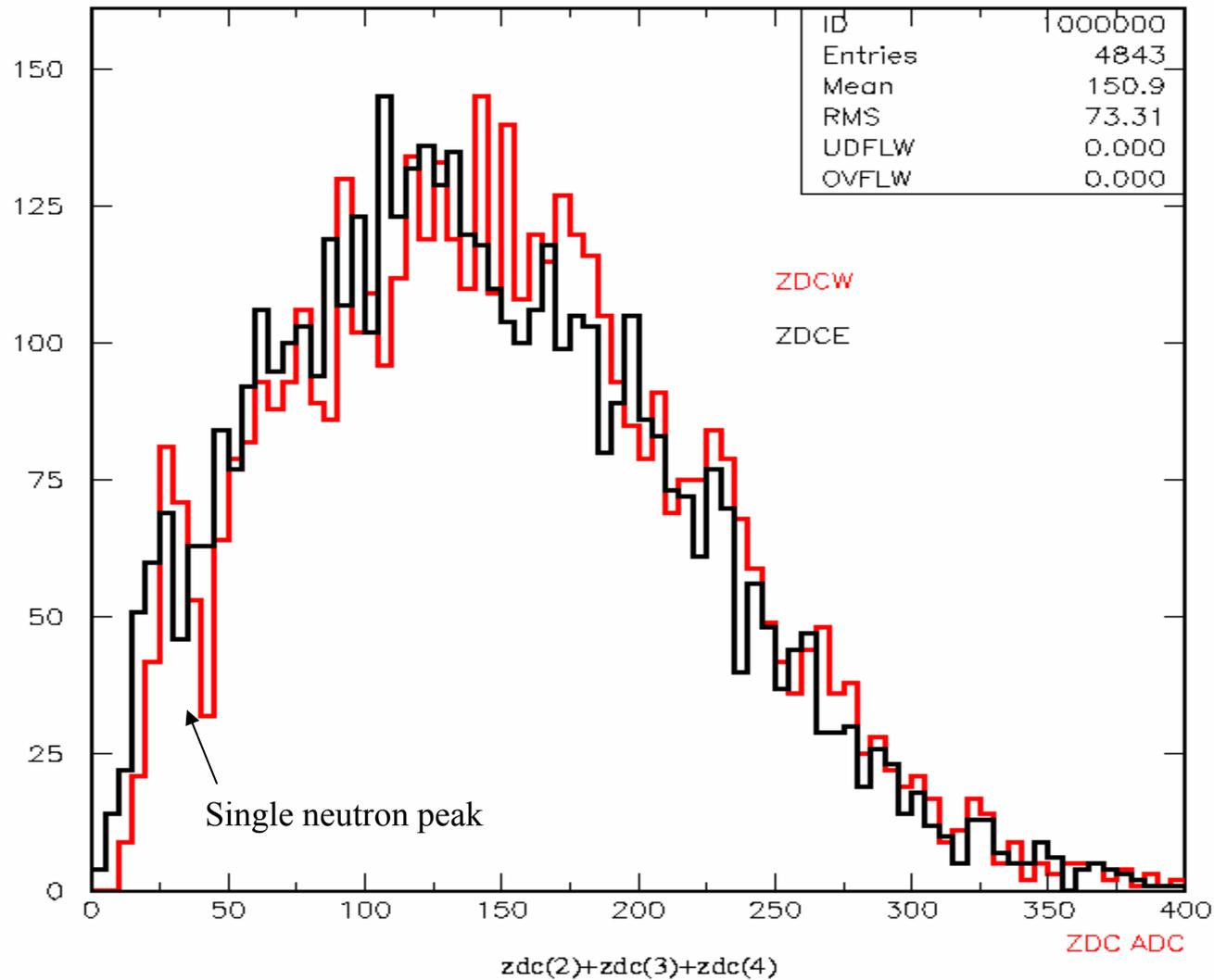
*Bill Christie*

*January 12, 2005.*

## Outline:

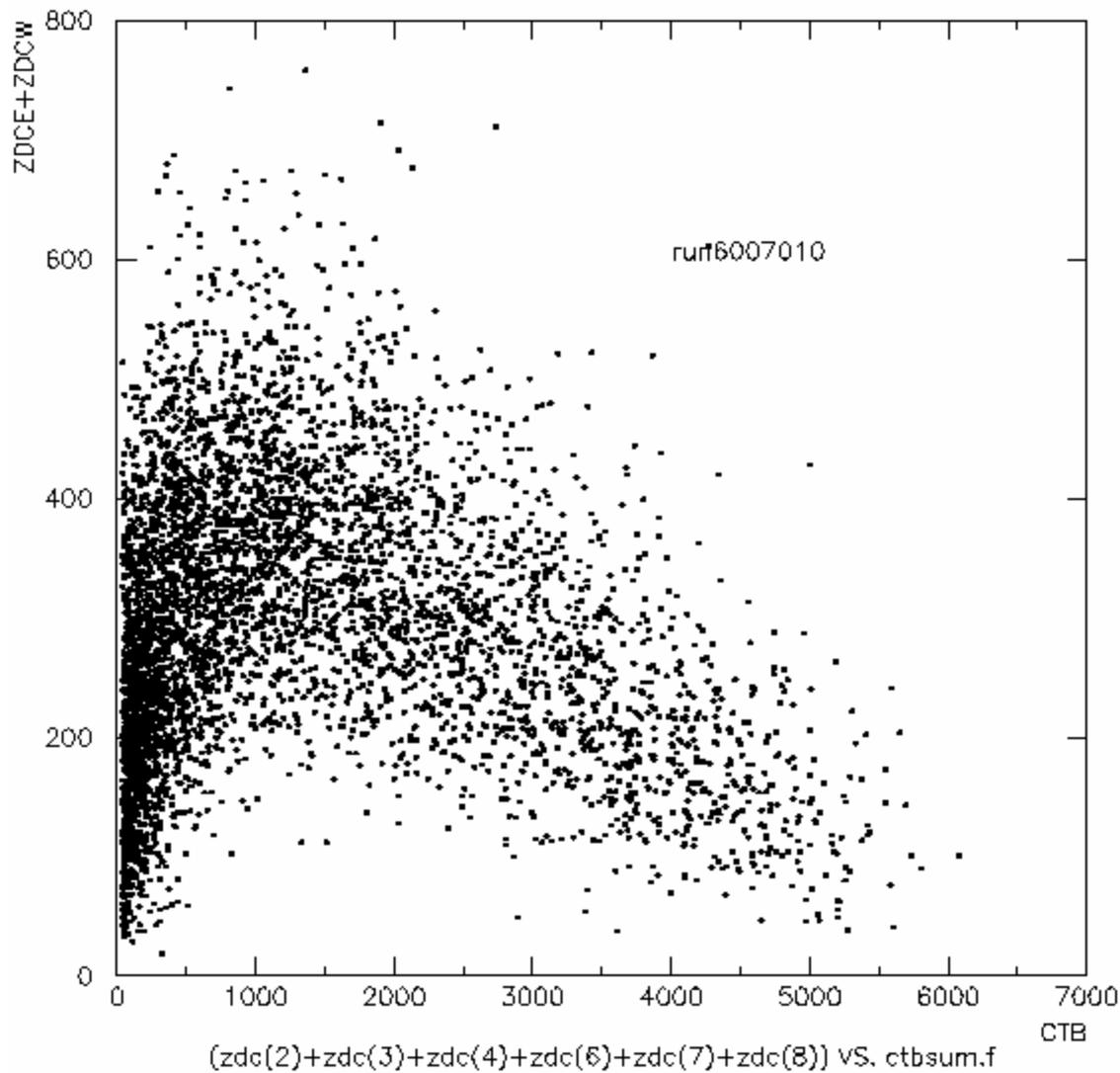
- Tuning min-bias Trigger components
- Calibrating Sub systems (e.g. Calorimeters)
- Getting started on Physics program
- Short in TPC

# ZDC ADC Distributions from Collisions Friday 1/7/05



# ZDC Energy (# of neutrons) vs CTB Sum (Multiplicity) for CuCu

2005/01/07 02:06

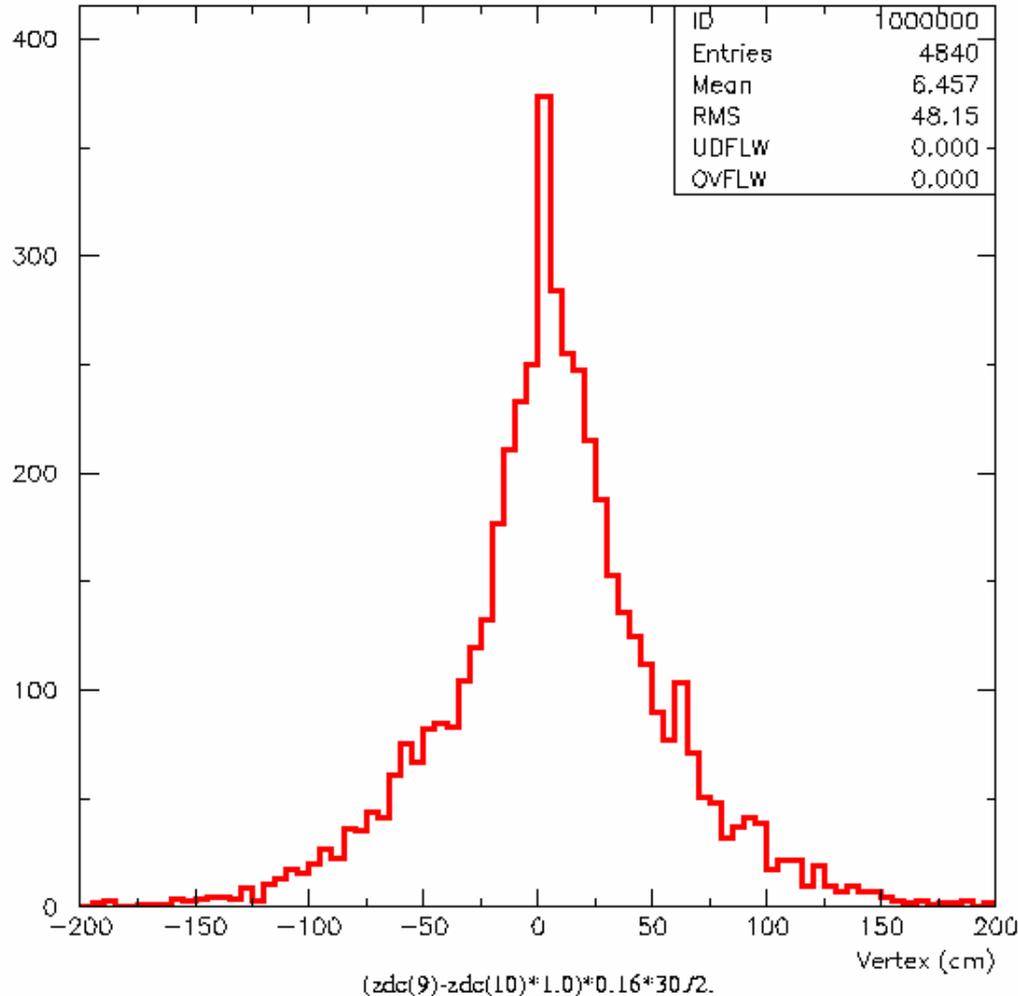


CTB (Mult.)

Central →

# Interaction Diamond for “Rebucketed Fill” Friday 1/7/05

2005/01/07 02.12



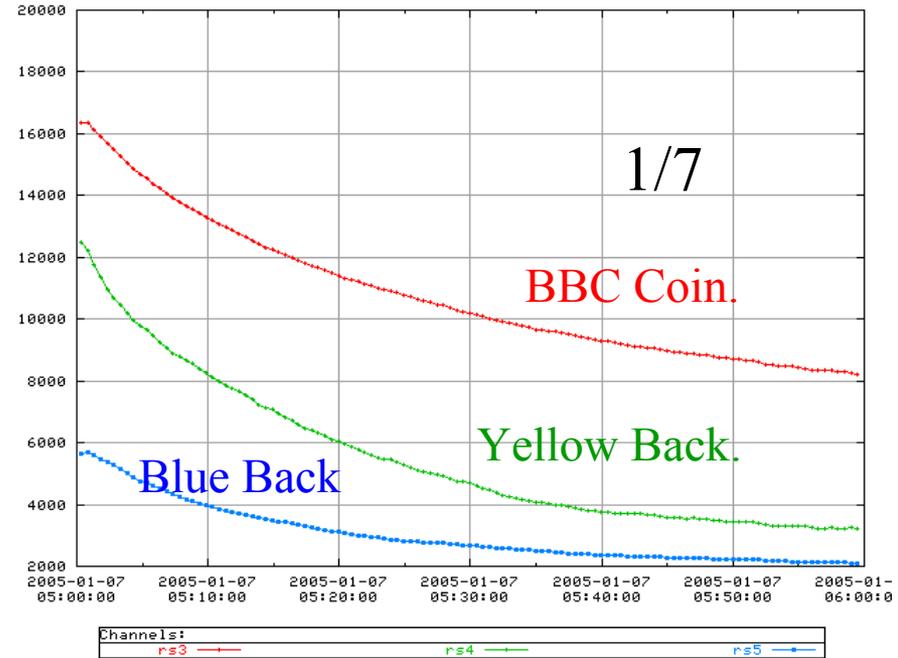
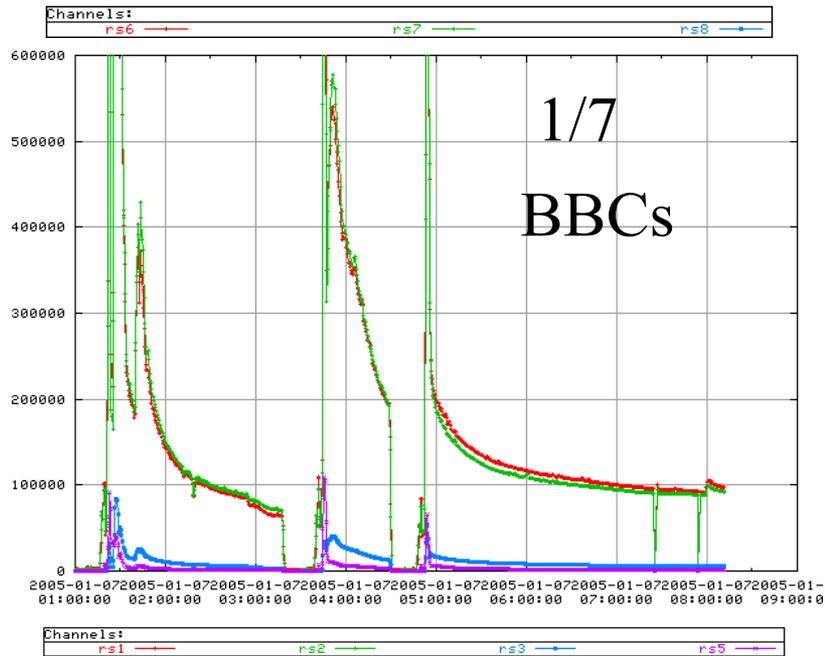
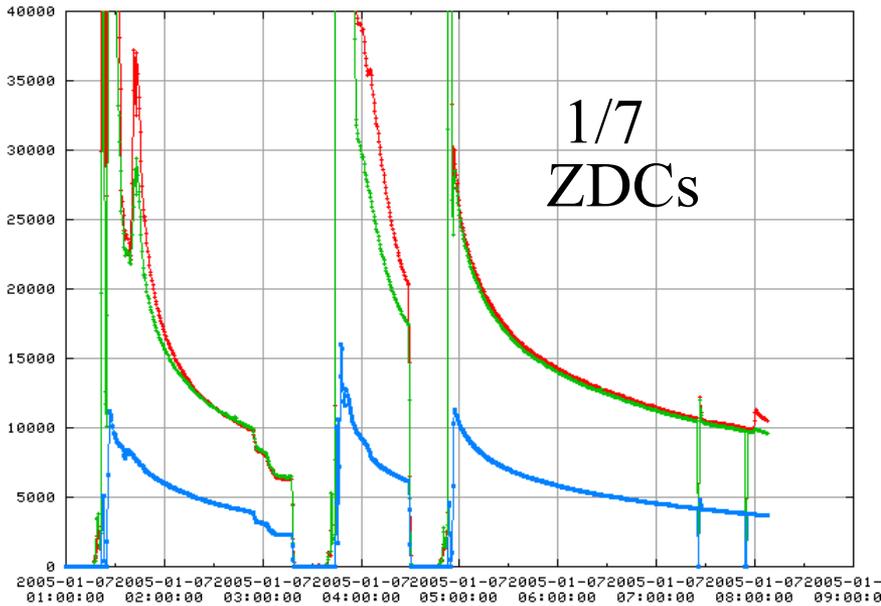
Need to calibrate  
ZDC & BBC  
TACS using TPC  
Tracks. Data for  
this acquired  
Tuesday  
evening/Wed.  
morning.

# Backgrounds on Friday Jan.7

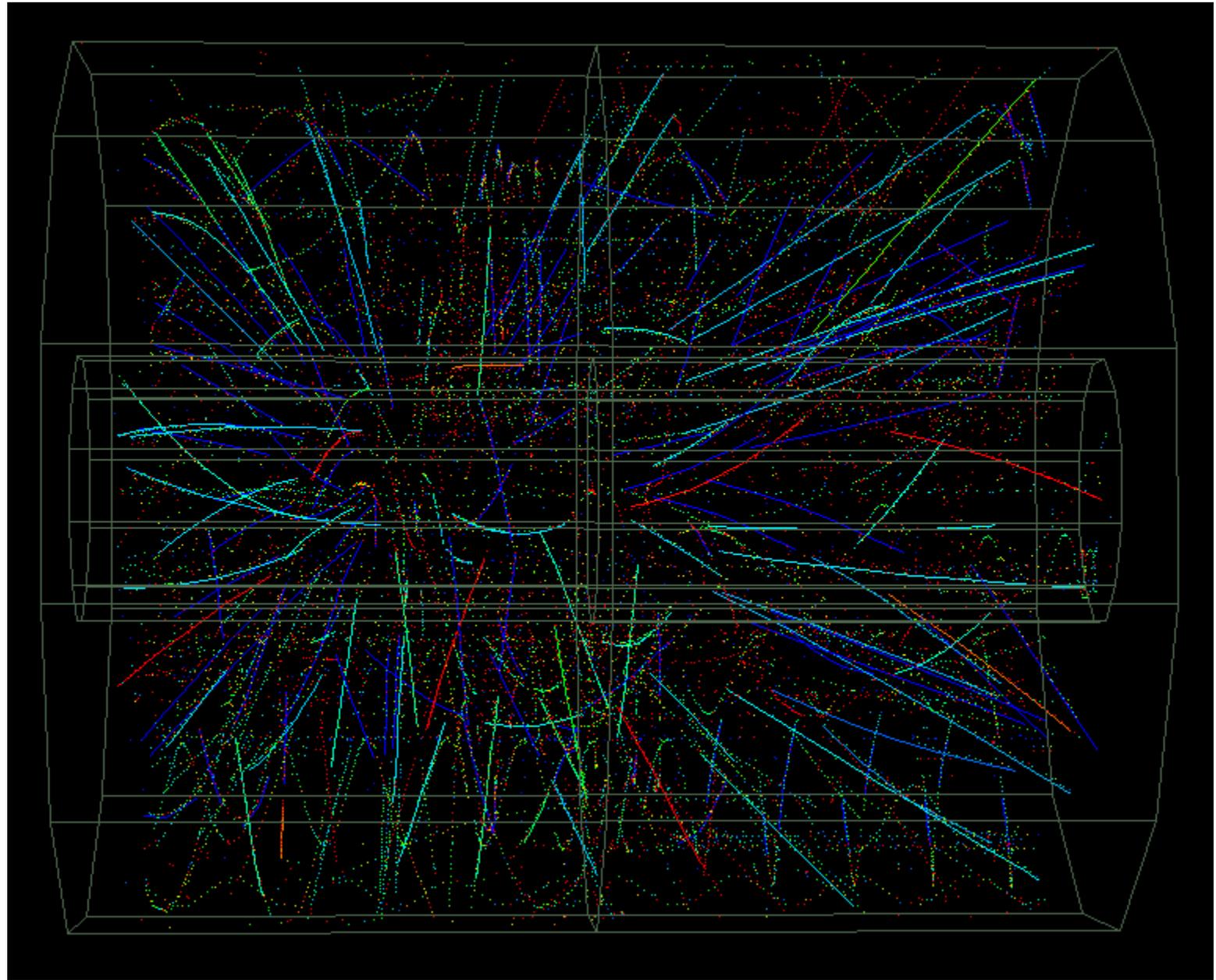
Look much Better than previous few overnights.

Last evening:

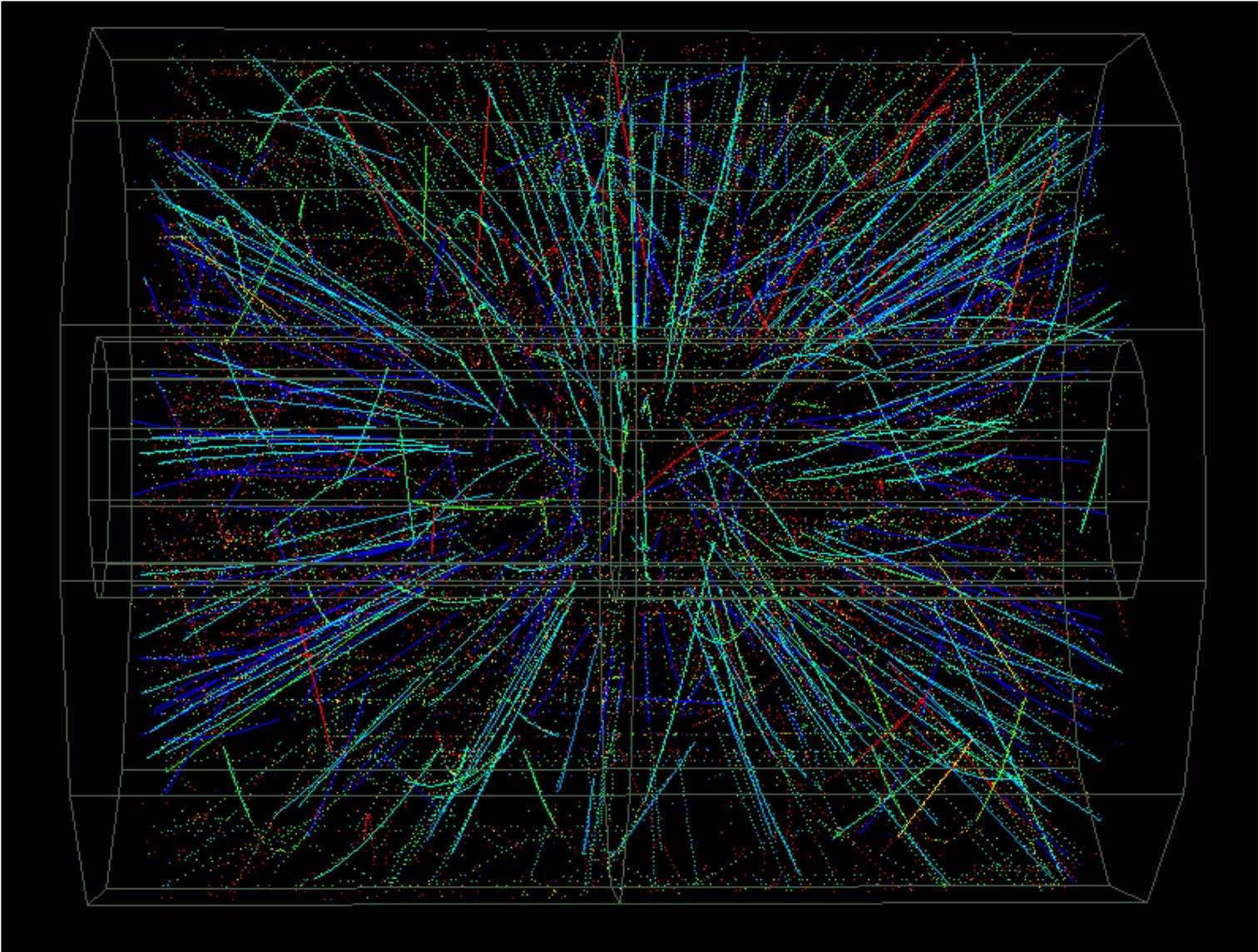
Yellow Background was significant in first fill. OK in second.



Off Center CuCu Collision taken Tuesday evening, January 11, 2005.



CuCu Collision taken Tuesday evening January 11, 2005.



# Summary

- We're working today to analyze some of the data we acquired last night with the TPC. We'll use this to determine our timing cuts for the BBC and ZDC based vertex cuts in relevant min-bias Trigger components. Also to determine BBC Sum ADC threshold cuts. Hope to finalize these parameters prior to this weekend.
- Iterative calibrations for both the BEMC and EEMC have started. Estimates are that this process will take about a week.
- DAQ, Run Control, and Trigger working well. We had multiple sub systems in runs last night running multiple Trigger components simultaneously.
- Still discussing what action to take regarding new (second) short in TPC IFC East. If we determine we need to make some internal measurements, the time estimate is  $\sim 18$  hours (likely "phasing" problem with Carpenters).