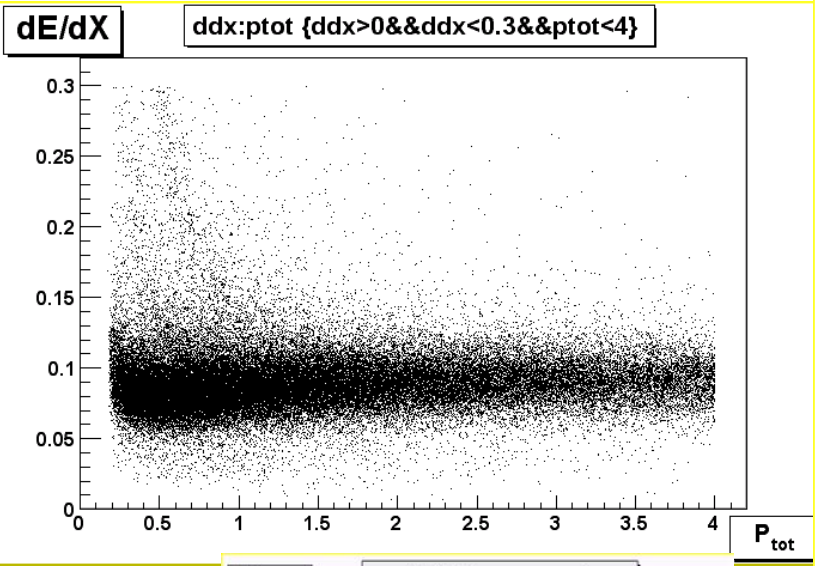
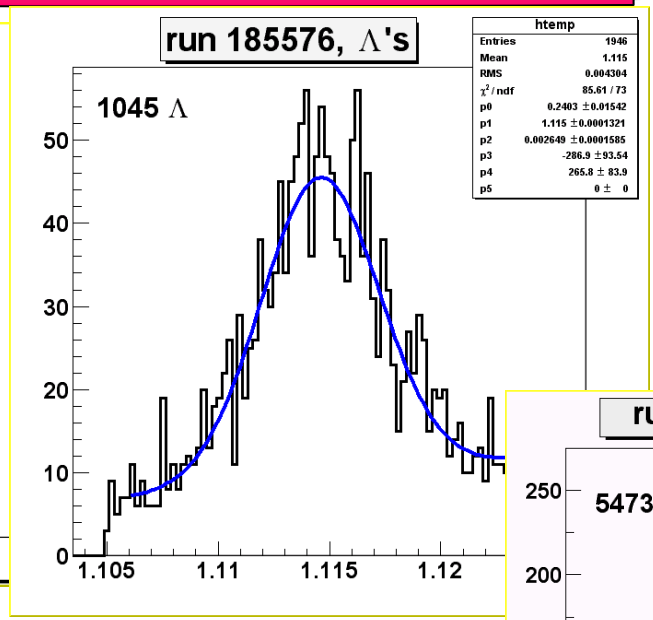
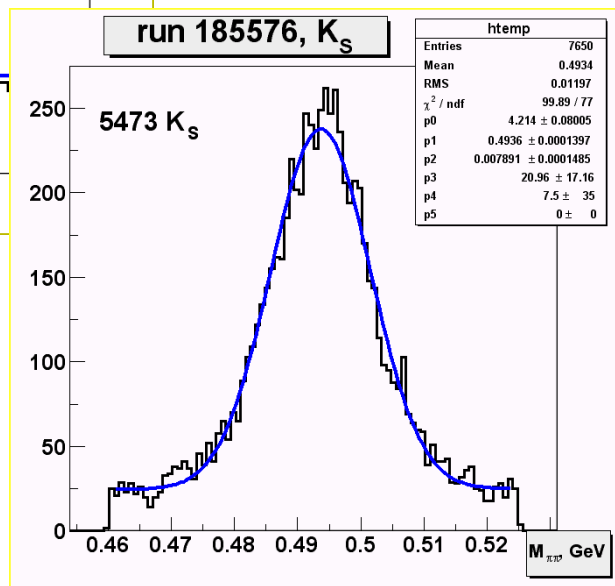
D0 Weekly Summary: Nov. 24 – Dec. 1

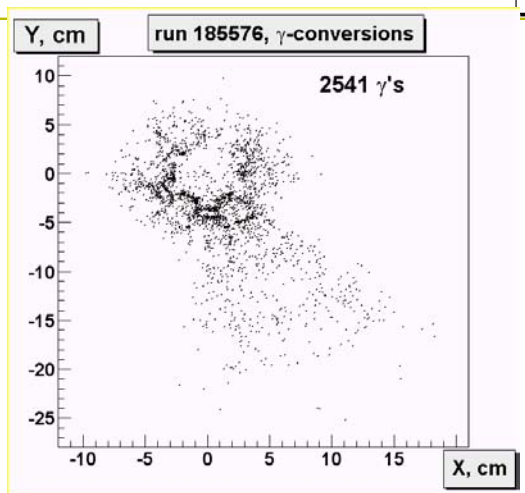
- ✓ Started to take Physics Data!
  - Overall status – OK
  - D0 Silicon detector status:
    - Worked in all runs and no major problems discovered
    - The number of disabled HDIs slowly increased to 114 (12.5%)
      - **Before shutdown we had 136 HDIs disabled**
      - **Finally we enabled 40 HDIs and disabled 18 "new" HDIs (but most of them came from the list of unstable HDIs)**
    - Almost all enabled HDIs (except of 2-3) participate in track reconstruction!

Silicon related plots





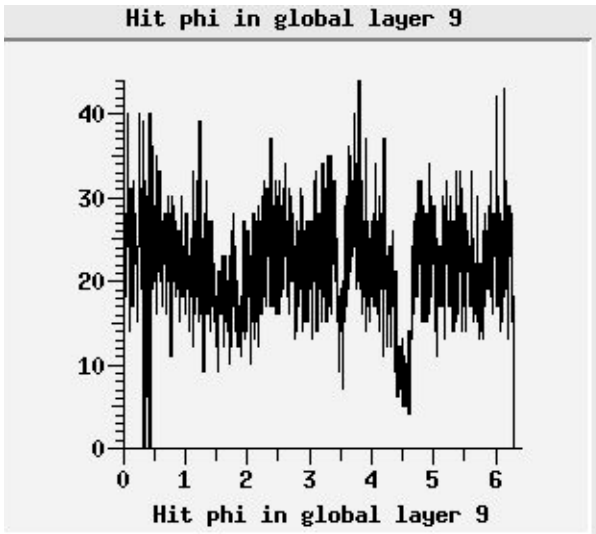


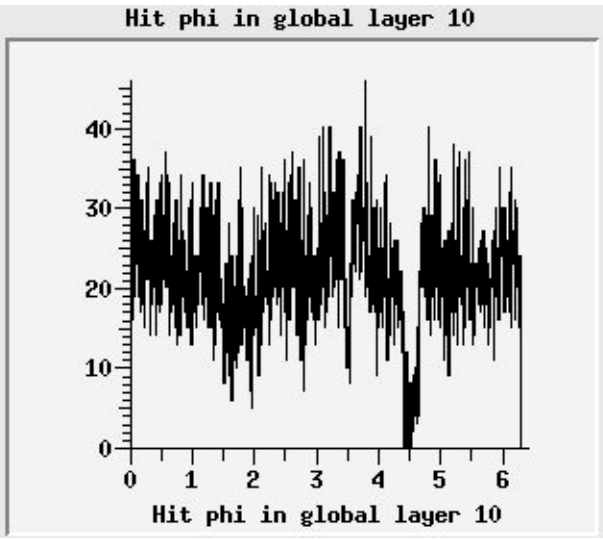


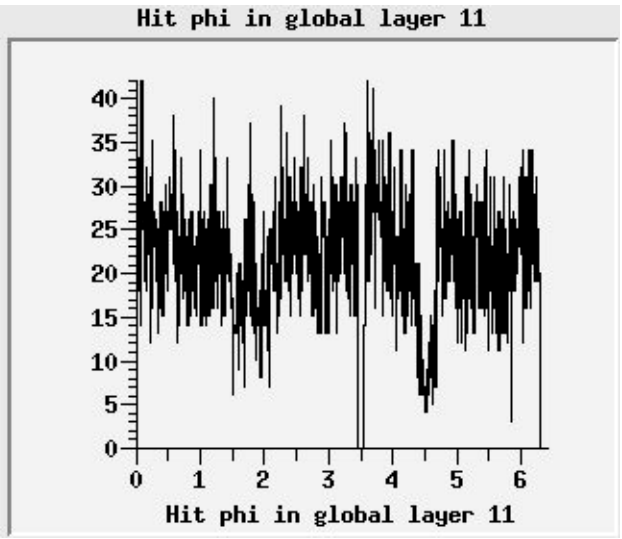
Plots from the last week run

Fiber Tracker

- ✓ Stable running
- ✓ Known issues:
  - ➢ ~10 SVX chips are not yet fully operational…

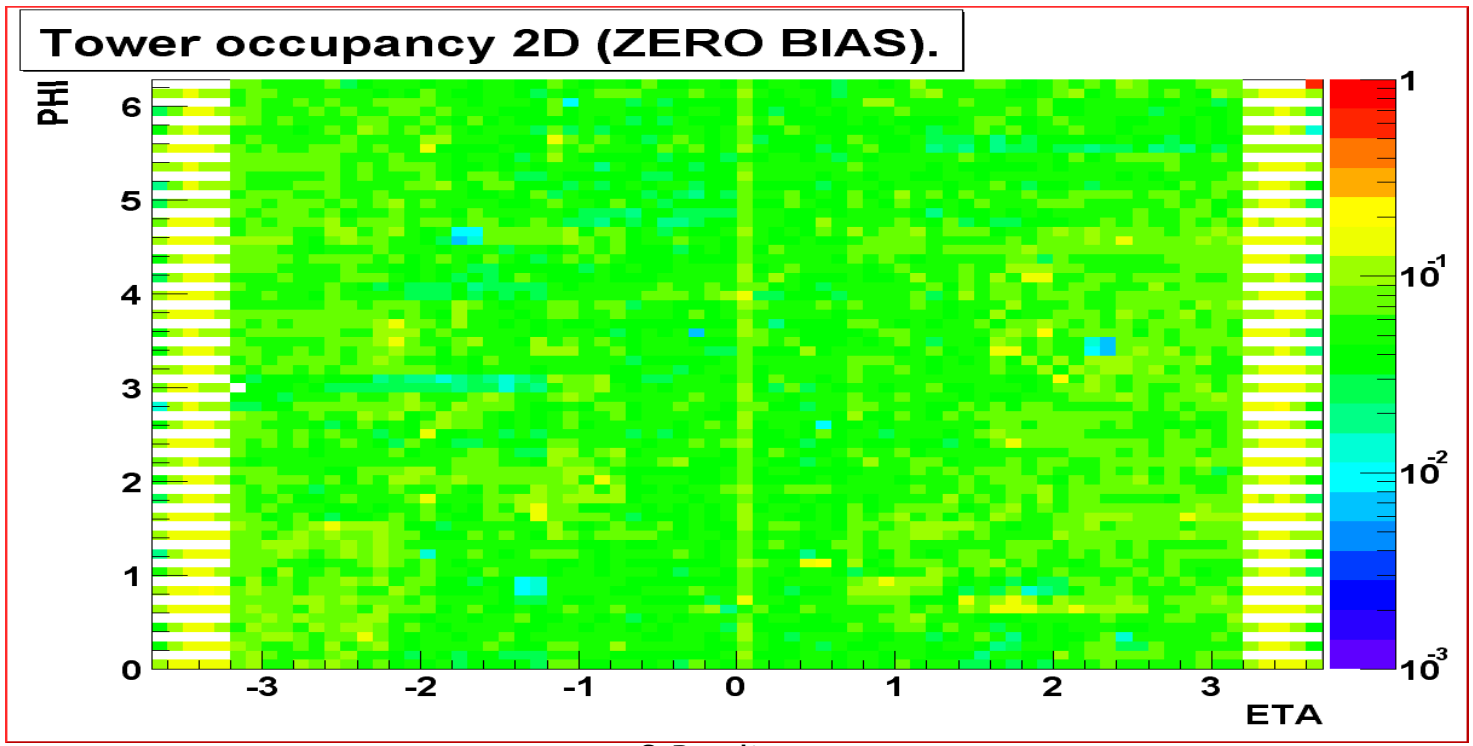






Calorimeter

- ✓ had problem with LV PS early in the week – Currently OK



Muon System

- ✓ Stably working in Global runs
- ✓ 3 PDTs out of 94 are not working well
  - ➢ ~1 hour access is needed to replace the Front End electronics (no rush)

Triggers & Collected Data

- ✓ Trigger rates are OK @ L1,L2,L3
- ✓ The FEB is a little higher
  - ➢ ~15% @ 1.5kHz (5-6% before shutdown)
- ✓ Delivered Integrated Luminosity ~3.27pb^{-1}
- ✓ Recorded ~2.38pb^{-1} (~73%)
  - ➢ 9902k events
- ✓ Major problems which caused the downtime:
  - ➢ Fri: Solenoid protection electronics failure ~4 hours
  - ➢ Sat: MCH <-> FCH router failure ~2 hours

Summary

- ✓ First week of physics data taking
  - ➢ Daily data taking efficiency (Saturday) reached ~ 90 %
- ✓ Access needs: ~1 hour for Muon System (not rush)