

# Shut-down progress report

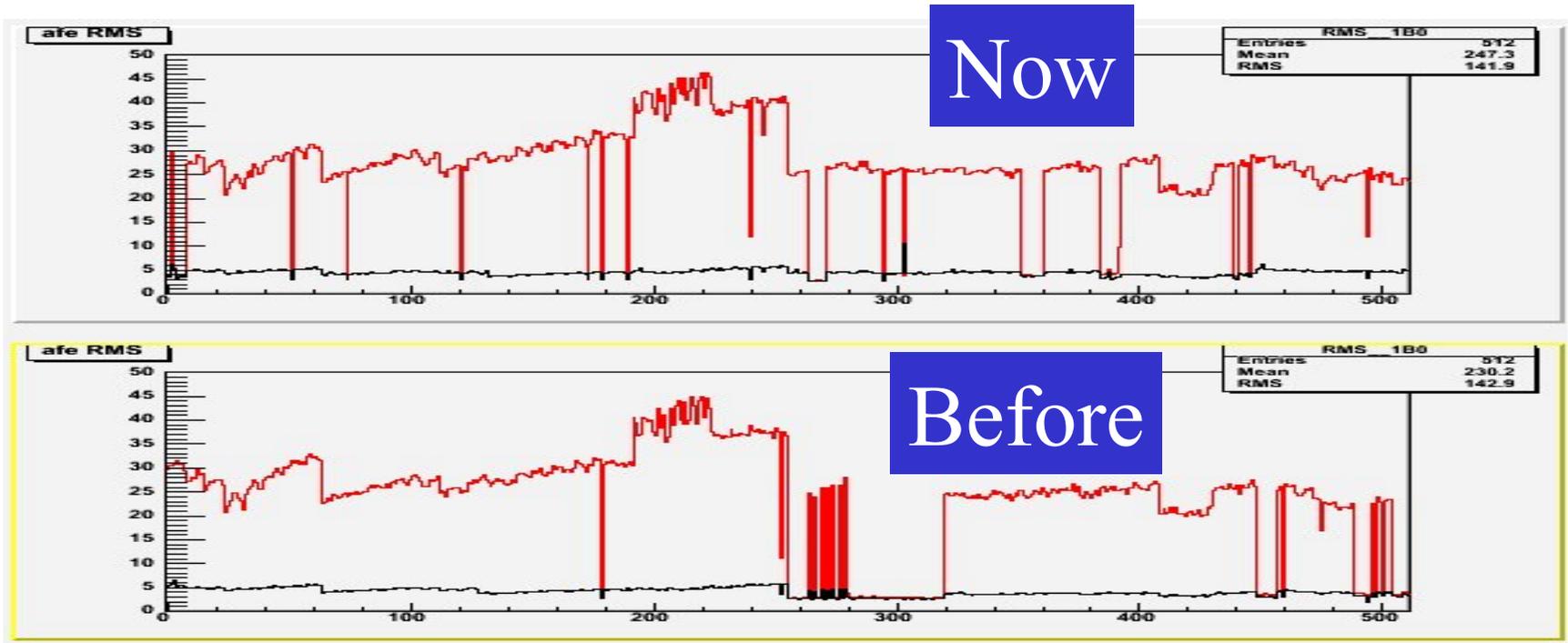
Weeks 6&7

M.Weber

# General

- Detector open for work in the Calorimeter gaps
- Mechanical, electrical, cryo work
- Online computer server upgrades
- Online controls software upgrades
- Cooled down fiber tracker VLPCs
- Warmed up the SMT to +15C
- Coming up from a planned local power outage at Dzero of this morning

# We still have unresponsive VLPCs



Axial

now 56; before 48

Stereo

now 62; before 82

**Similar numbers, but different channels...**

# Silicon electronics upgrades

Hardware and software changes to improve read-out speed and possibly recover some partially working HDIs.

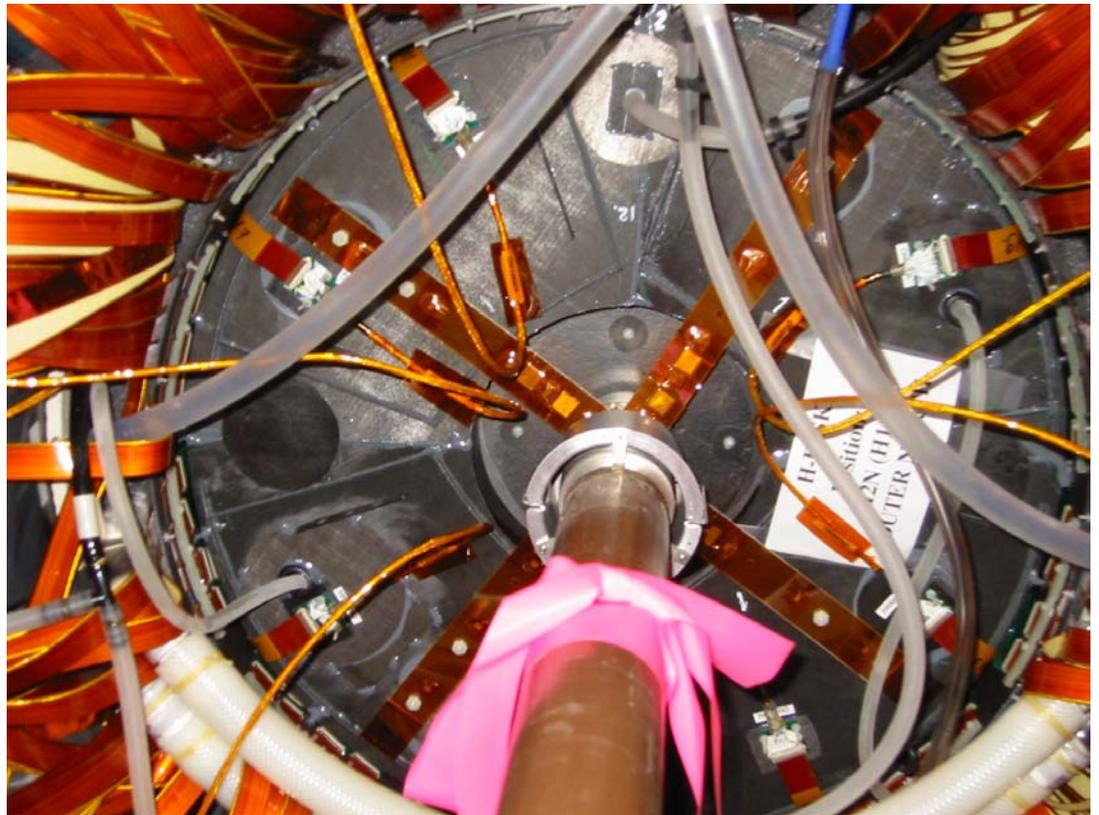
- All VRBs upgraded (50MHz->53MHz). All tested OK.
- 50% Sequencers are upgraded (53MHz oscillators and additional lines). Tested on a test-stand (2/60 failures).
- Full system test not possible at this time due to silicon being warmed up.

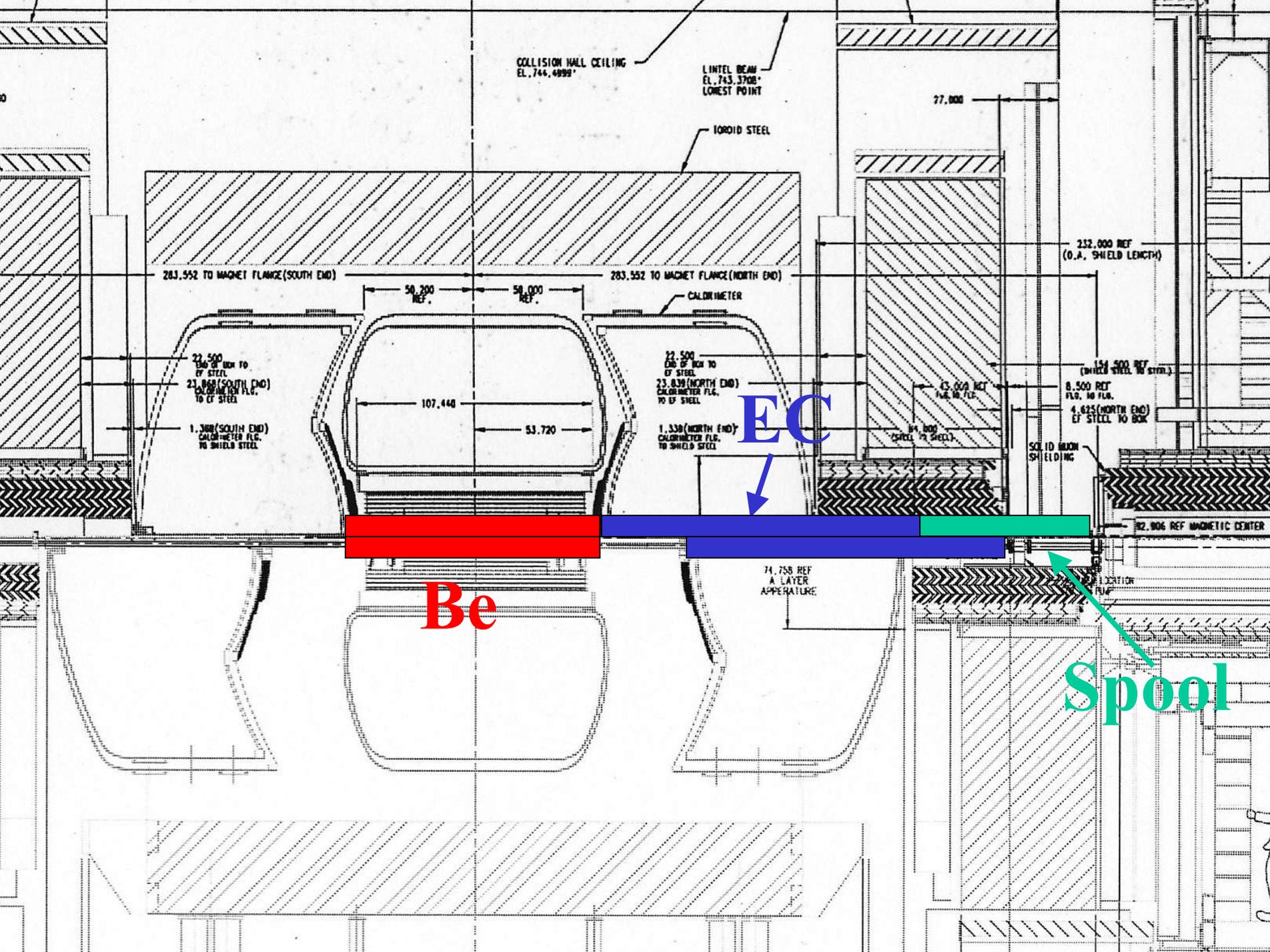
# Layer0 clearance measurement

- 6.8mm radial space. Survey the clearance.
- This process is also very helpful in preparation of the Layer0 installation next year (procedure to get access to this part of the detector)

# Access to the Be beam-pipe

- **Silicon tracker region was opened up to expose outer H-disk.**
- **Required JHA and Be contamination testing (negative)**





# Next

- 2 Weeks of Layer0 clearance measurement
- 1 Week re-connecting the beam-pipe
- 1 Week leak-check and SMT recovery
- 1 Week closing and survey
- 1 Week turn-on (week 13)