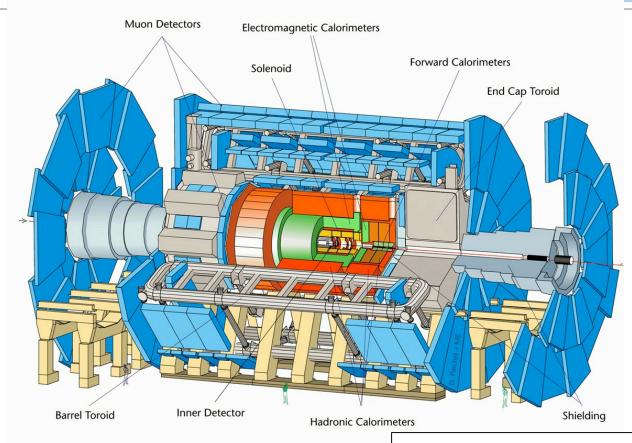


ATLAS



Diameter 25 m
Barrel toroid length 26 m
End-cap end-wall chamber span 46 m
Overall weight 7000 Tons

- Tracking (IηI<2.5, B=2T)
 - Si pixels and strips
 - Transition Radiation Detector (e/ π separation)

Calorimetry (IηI<5)

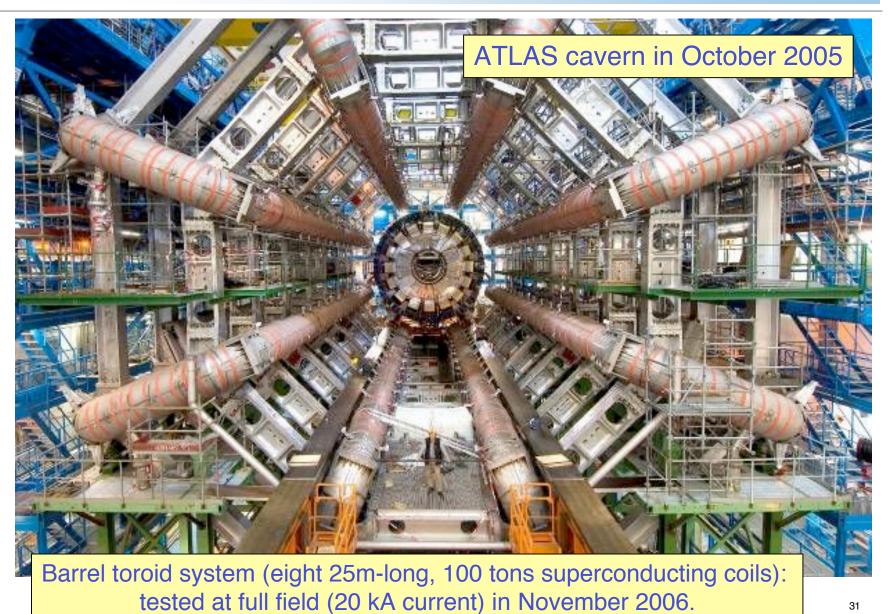
- EM: Pb-LAr
- HAD: Fe/scintillator (central), Cu/W-LAr (fwd)
- Muon Spectrometer (IηI<2.7)

air-core toroids with muon chambers

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ATLAS: Central Systems

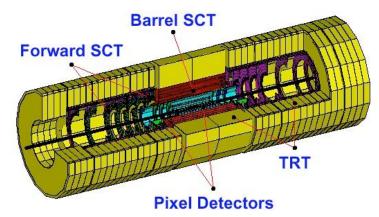


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ATLAS: Inner Tracker



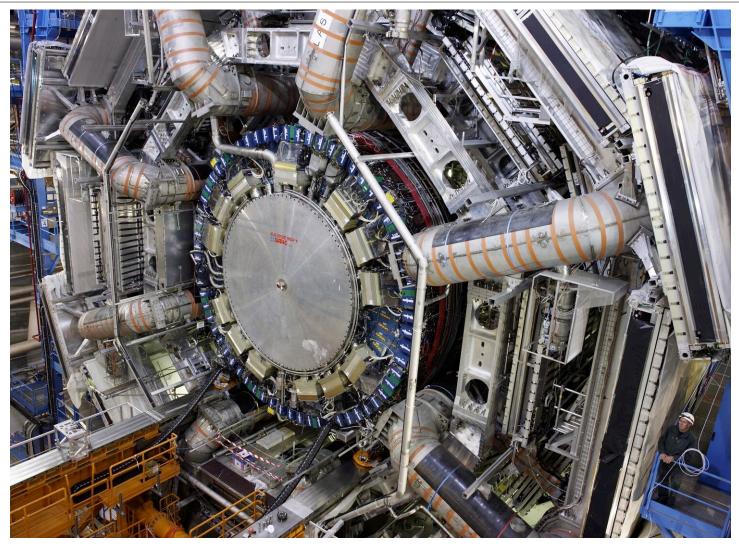


Pixels (+ beam pipe) insertion June 2007





ATLAS: Calorimeters



The calorimeter end-cap partially inserted, the LAr end-cap is filled with LAr

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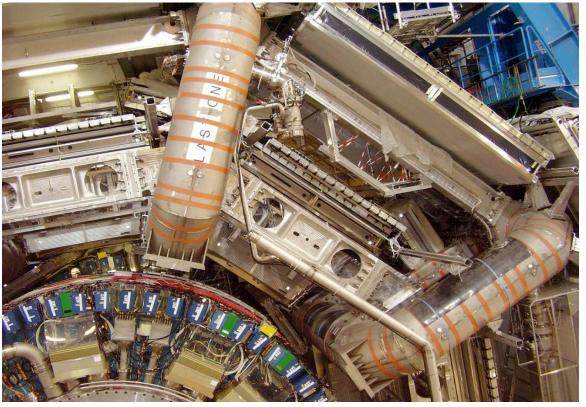


ATLAS: Muon System



First complete MDT Big Wheel

Barrel chamber installation is ~ completed End-cap muon installation has progressed in parallel on both sides (6 of 8 Big Wheels done)

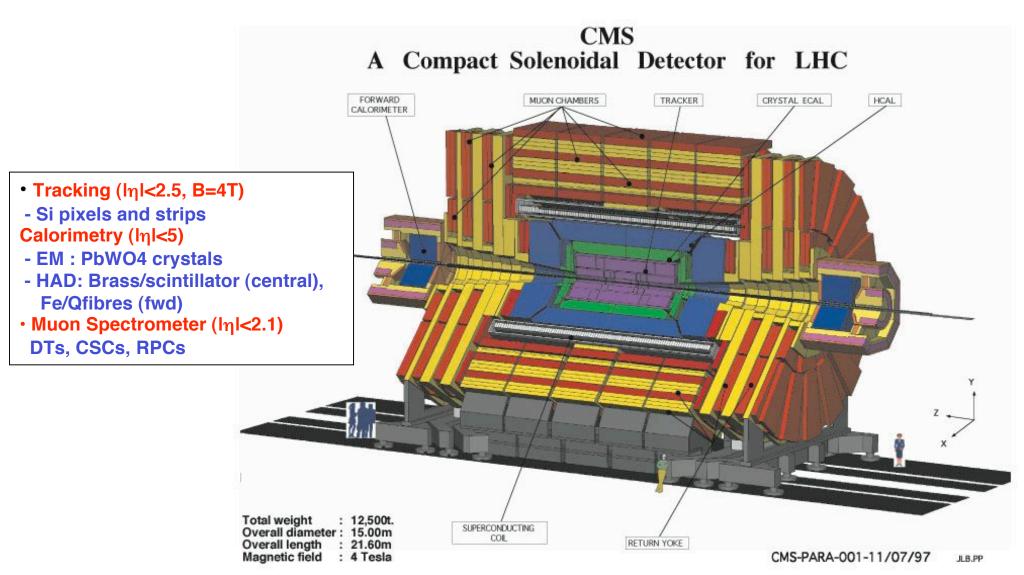


Barrel muon stations

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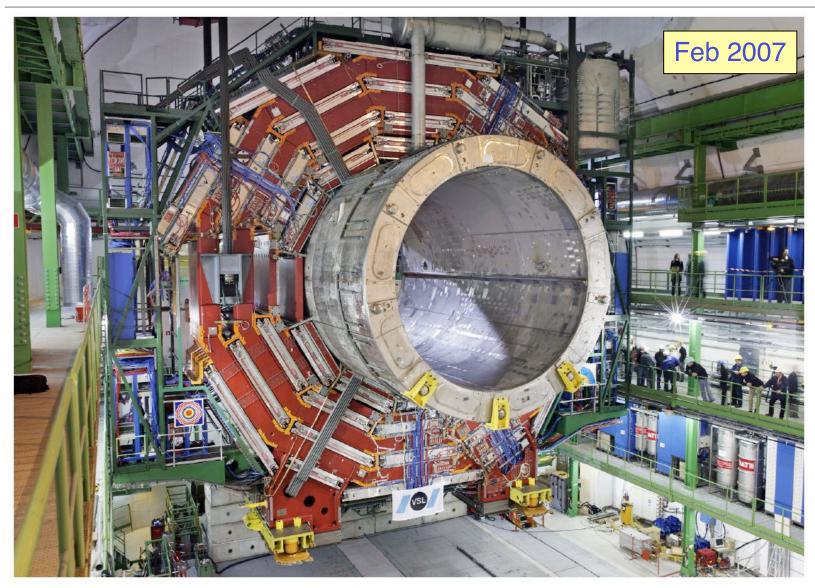


CMS





CMS Heavy Lowering: YB0





CMS Tracker (Jan07)

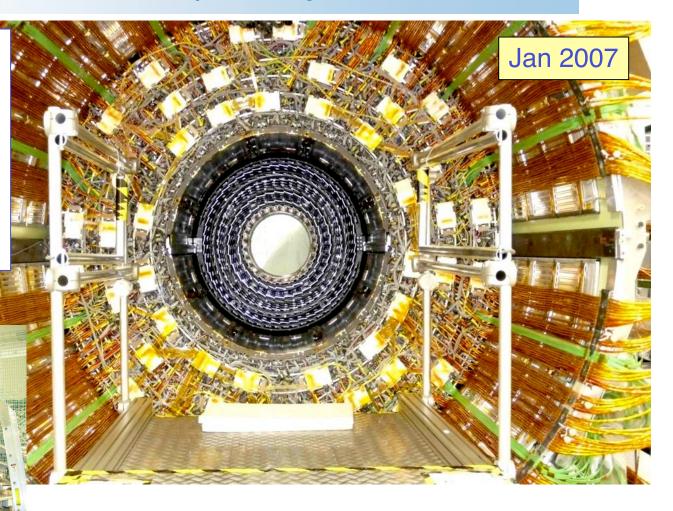
• The Silicon tracker (200m²) was integrated into the support tube end-Mar. Been commissioned at several temperatures including operating temperature (-15°C).

~ 5 M cosmics recorded,

Ready for transport to Pt. 5.

Will be installed in UX in Oct.

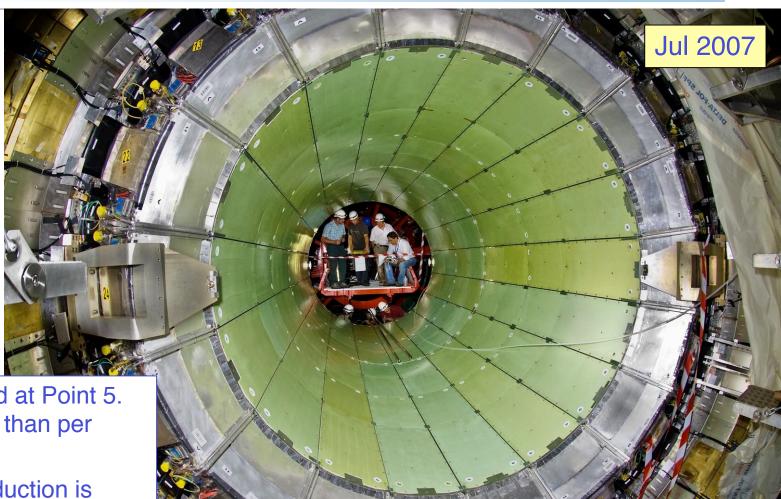
Aug 2007



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CMS: Barrel ECAL



•Barrel ECAL installed at Point 5. Excellent quality (less than per mille).

•Endcap crystals production is proceeding well: over 3500 crystals now delivered (out of 14750 needed). Last EE crystal will be delivered end-Mar'08.

T. Virdee, CHEP07



CMS: Muon Chambers

