



Status of the LHC Project

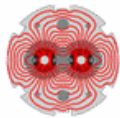
Lyndon Evans

RRB Meeting

CERN, 23 April 2007



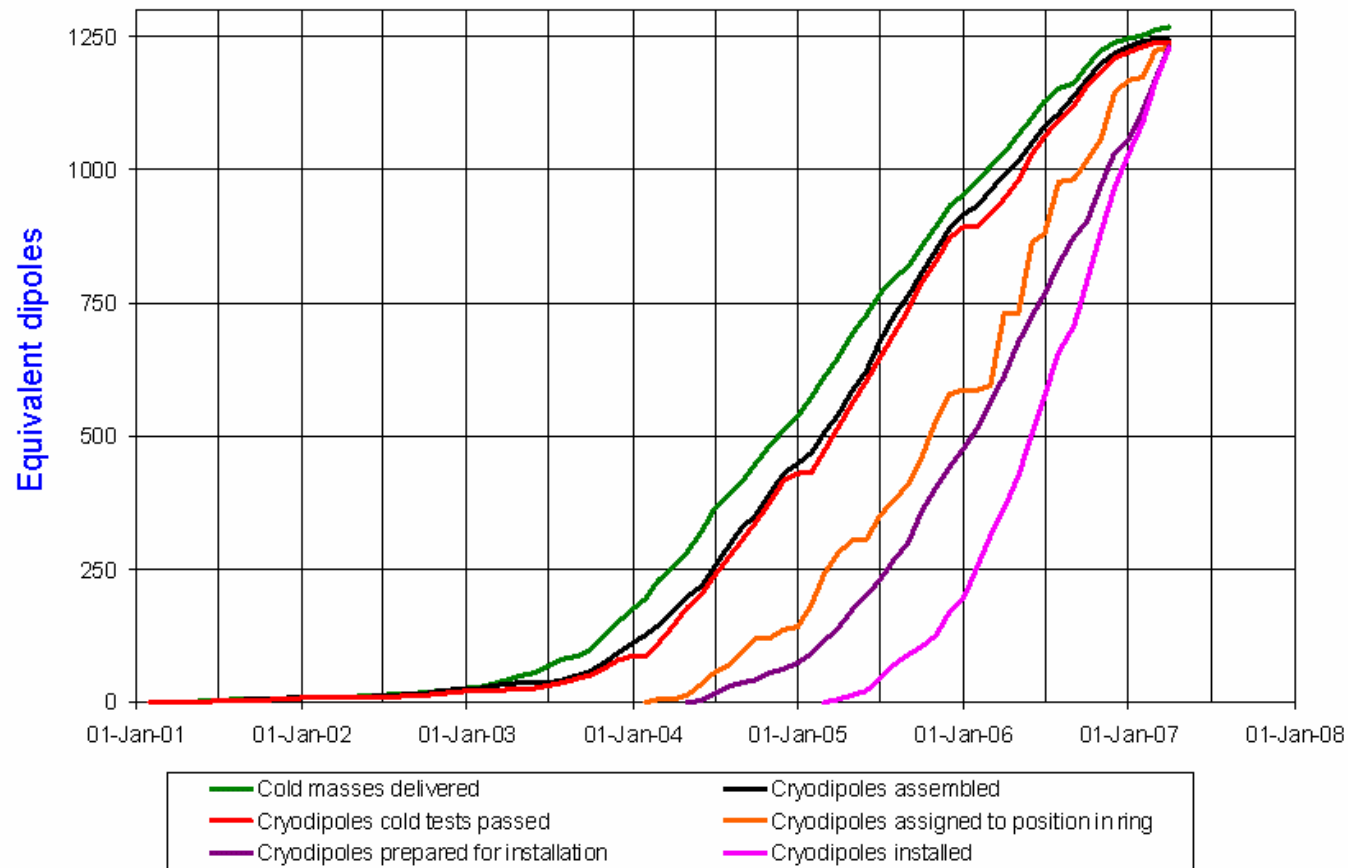
Cryodipole overview



LHC Progress
Dashboard

Accelerator
Technology
Department

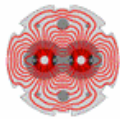
Cryodipole overview



Updated 31 March 2007

Data provided by D. Tommasini AT-MCS, L. Bottura AT-MTM

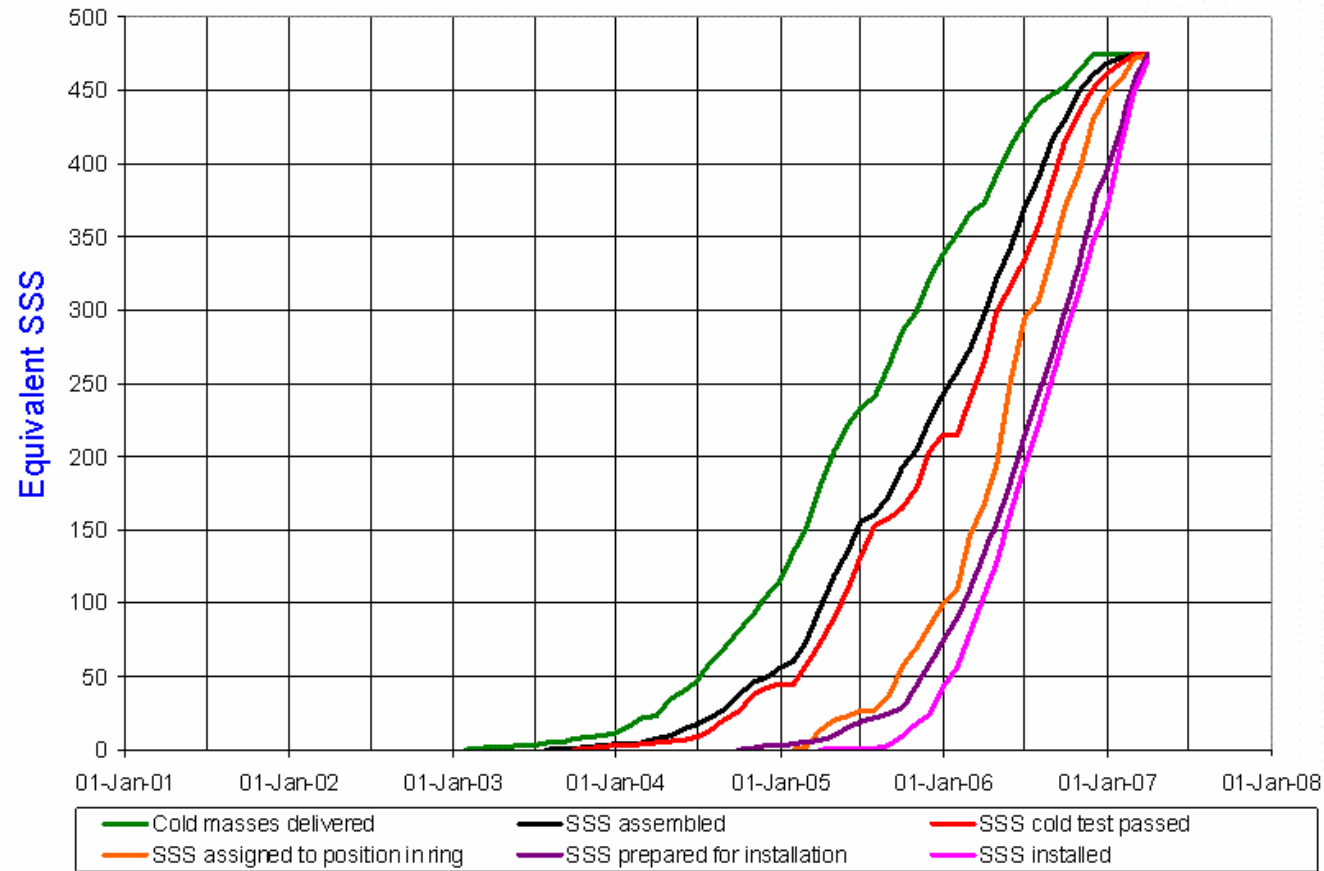
SSS overview



LHC Progress
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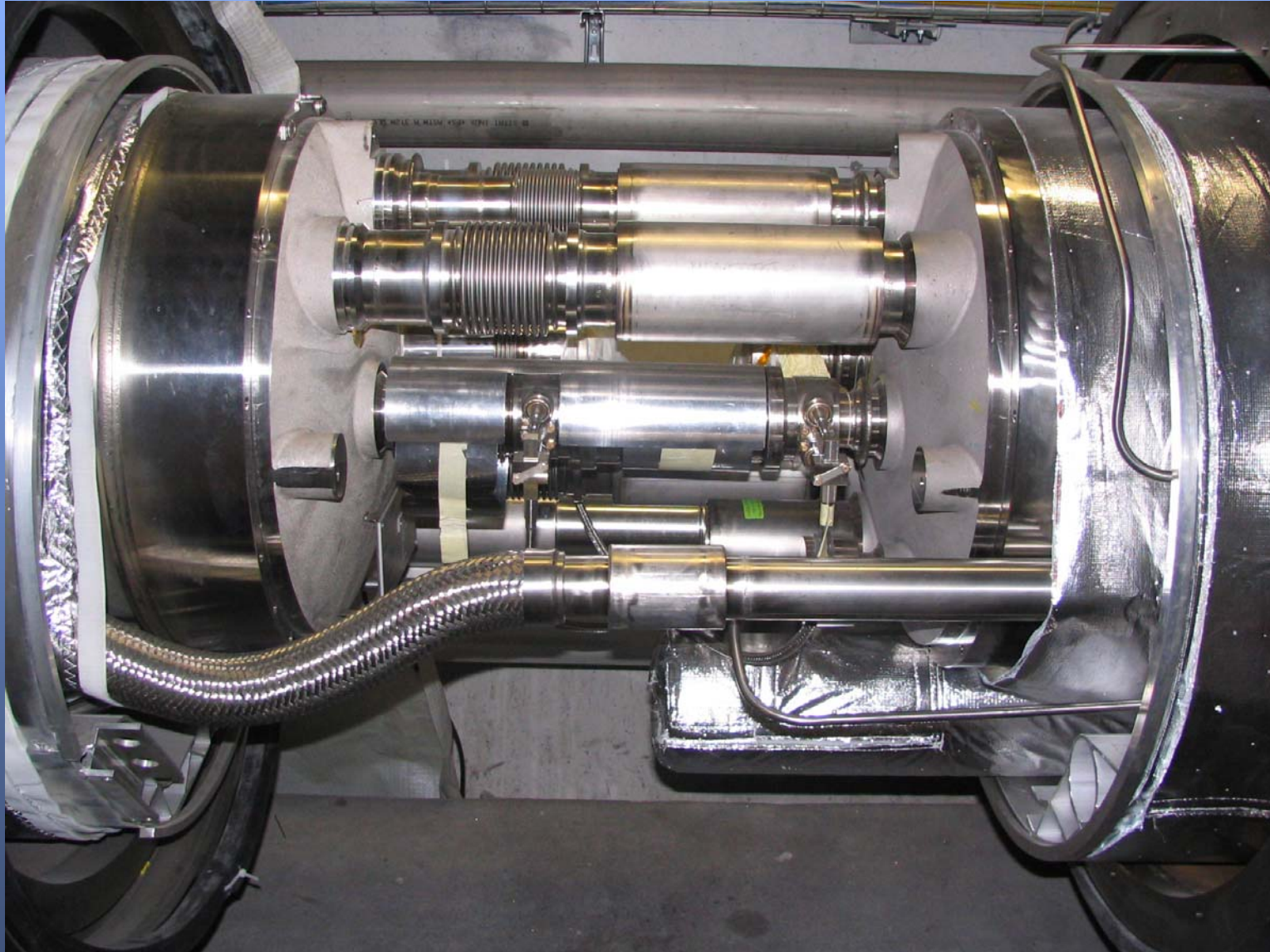
SSS overview



Updated 31 March 2007

Data provided by M. Modena AT-MCS, L. Bottura AT-MTM

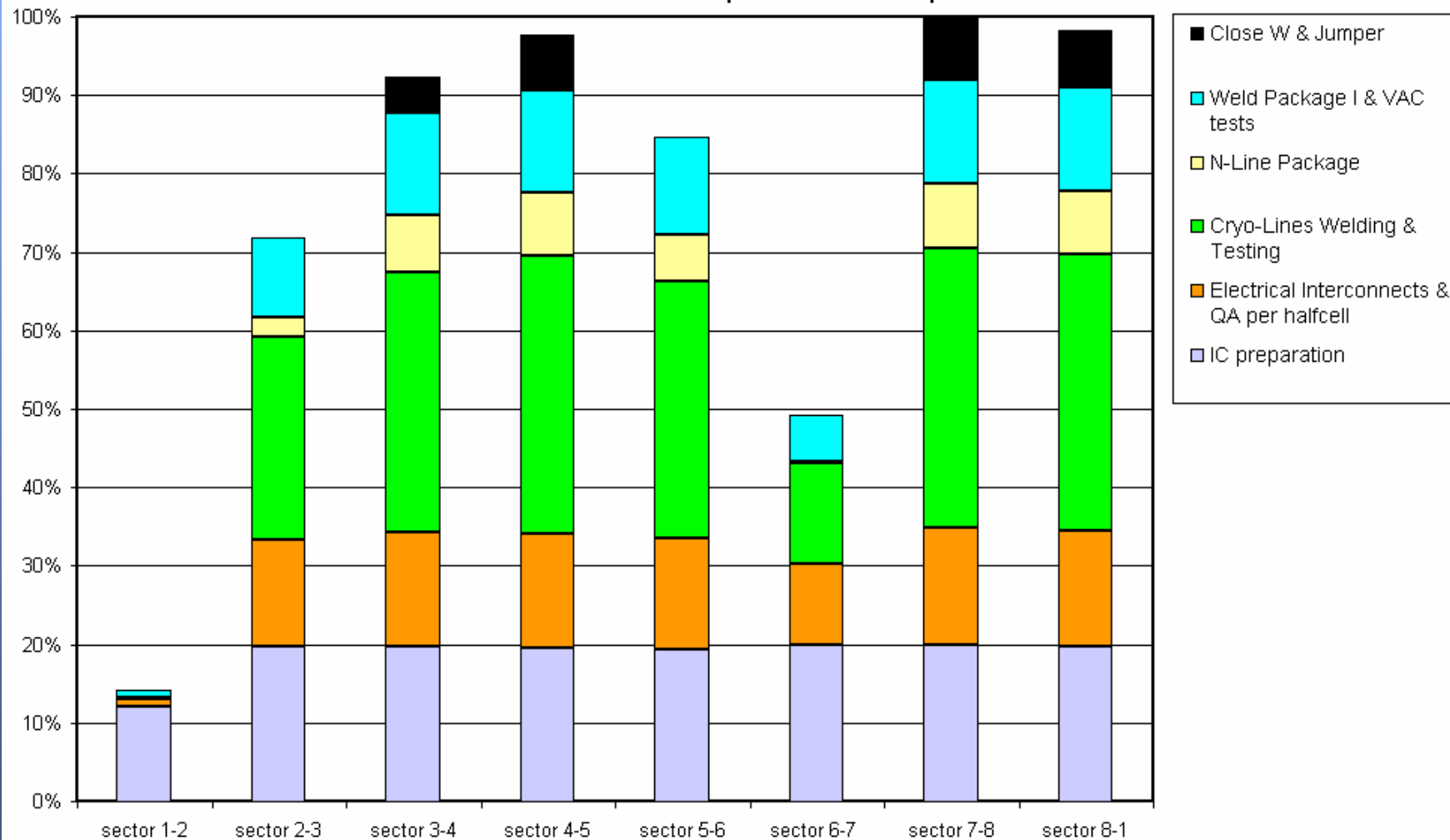
Dipole-Dipole Interconnect



Interconnect Status



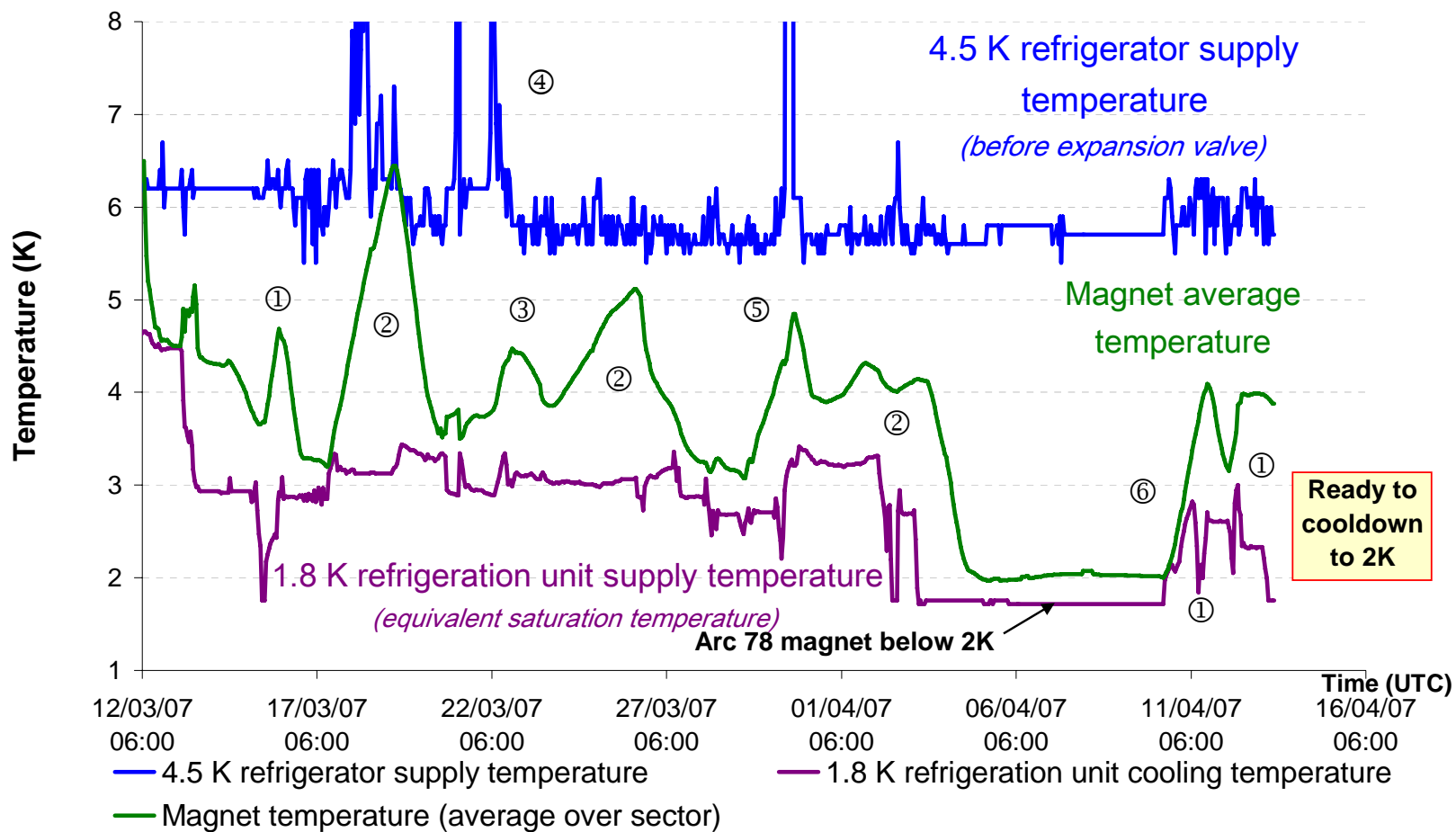
General Advancement of Interconnects per Sector 16-Apr-2007



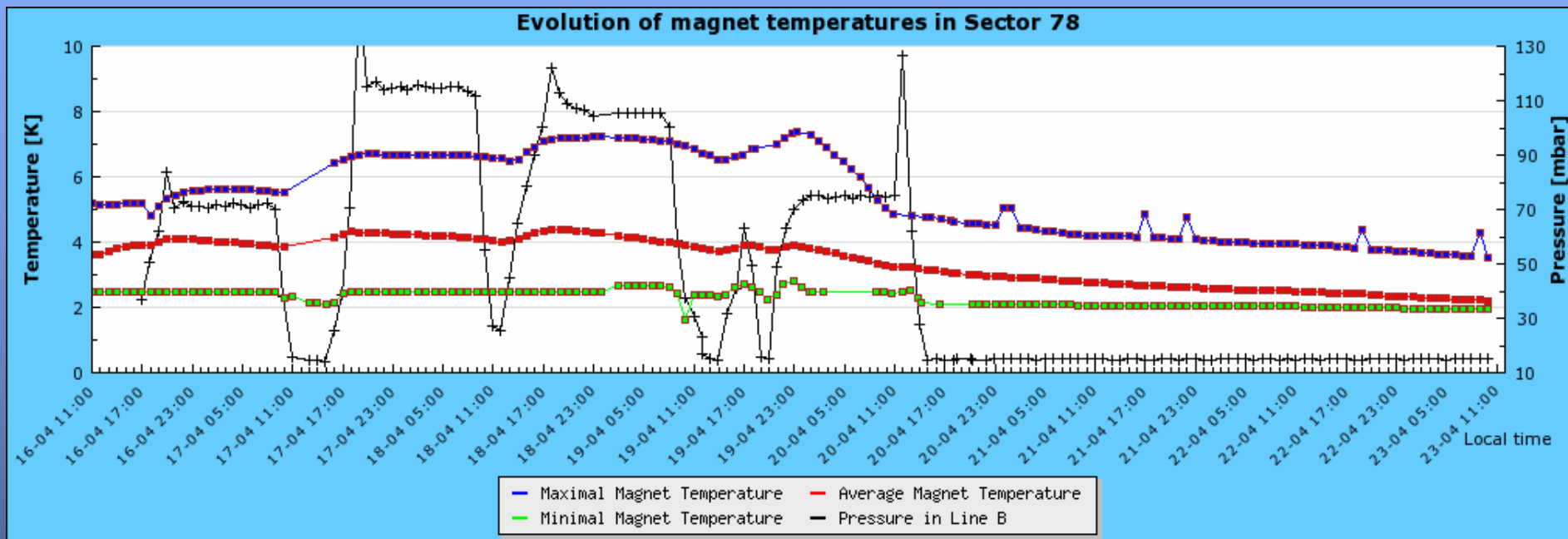
Sector 7-8 Cooldown



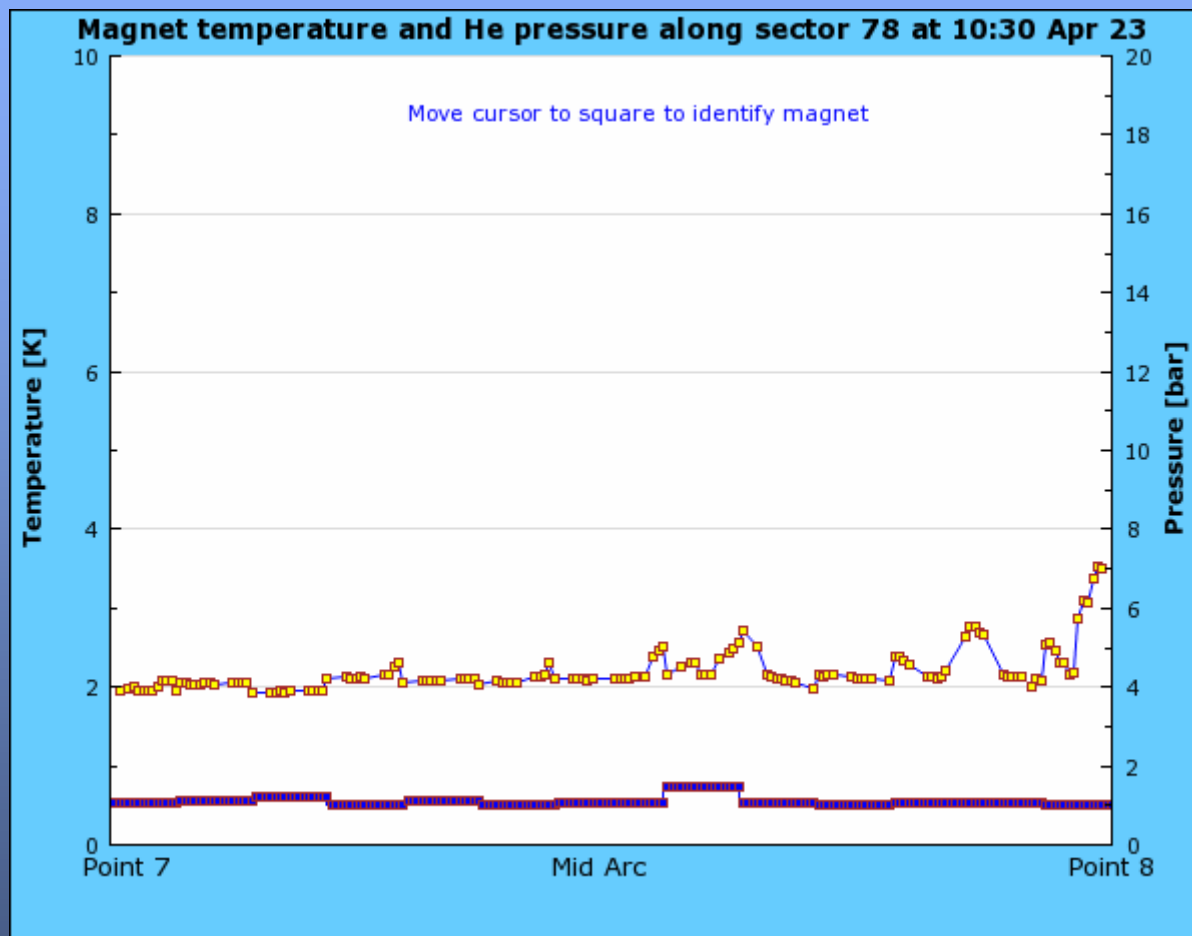
LHC sector 78 - First cooldown - Phase 4.5 K to 1.9 K

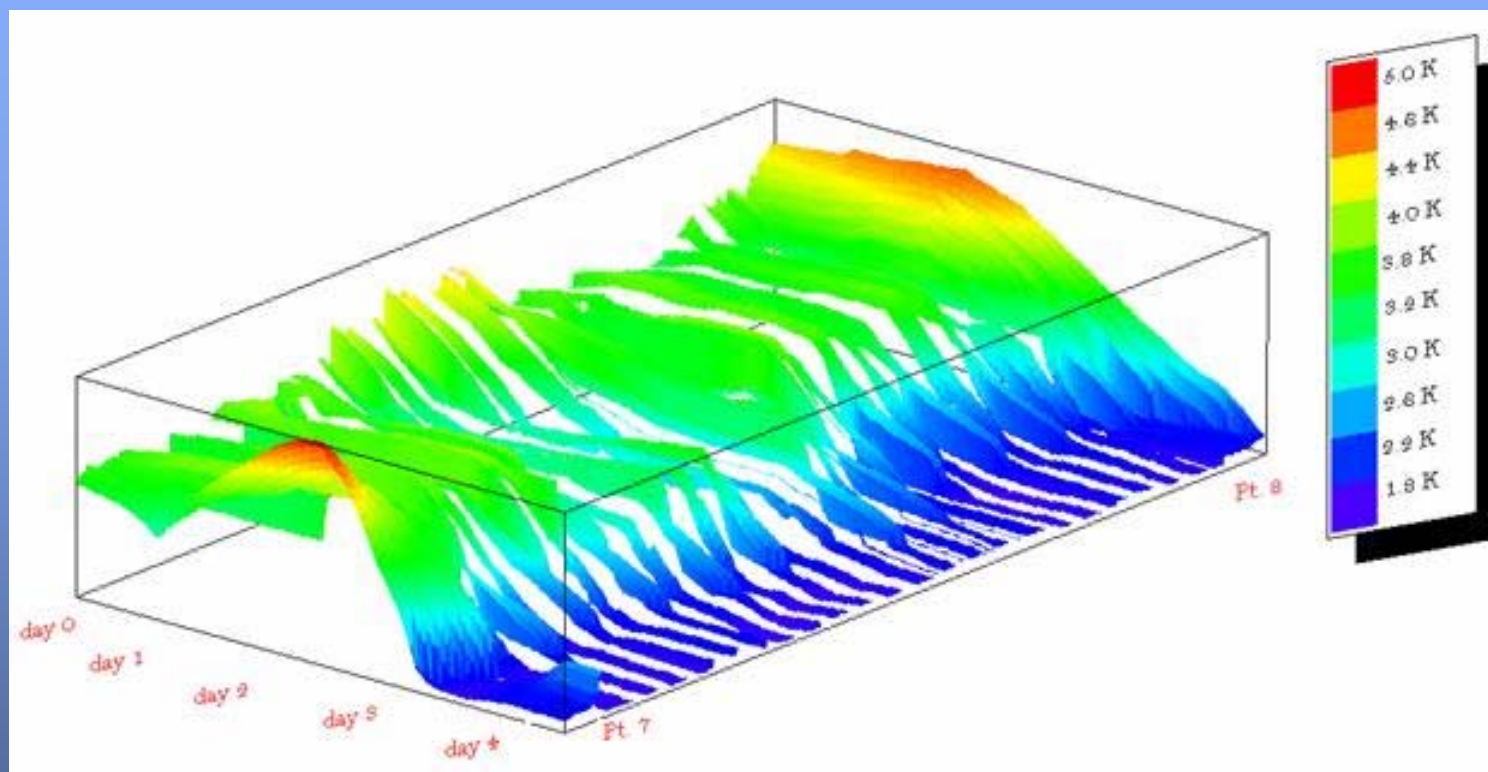


Sector 7-8 Cooldown



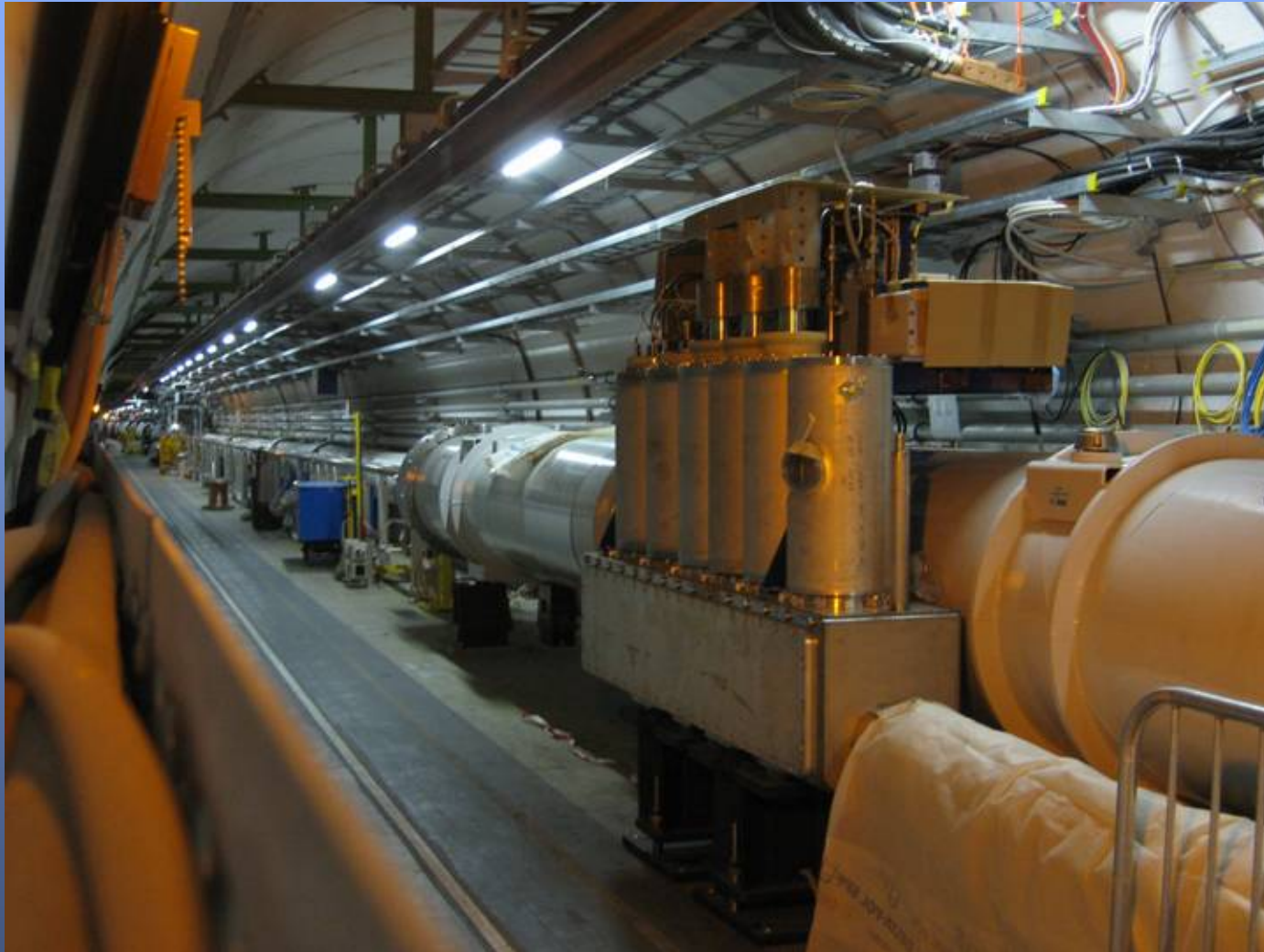
Sector 7-8 Cooldown



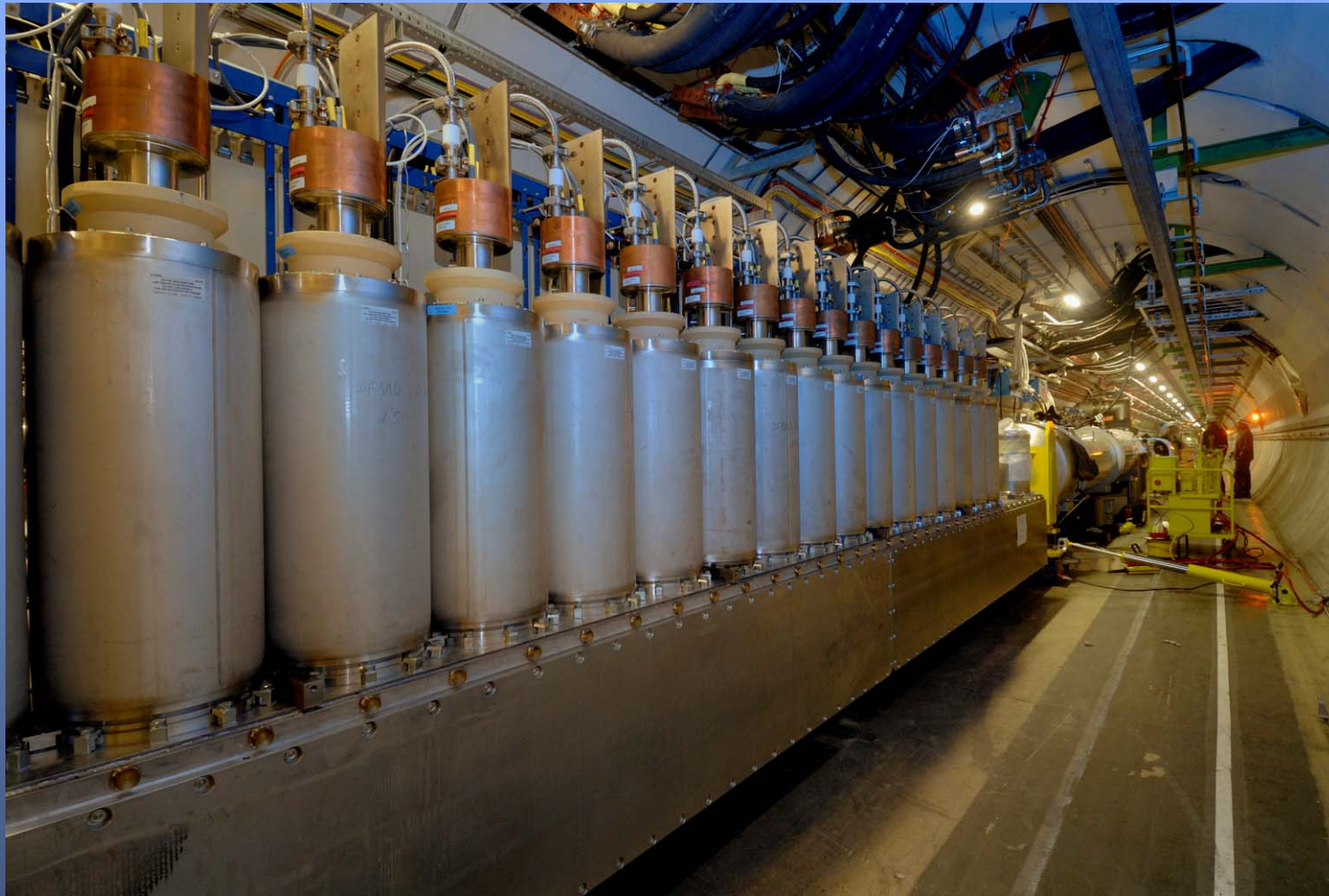


The magnet temperature profile along Sector 7-8 during the cool down

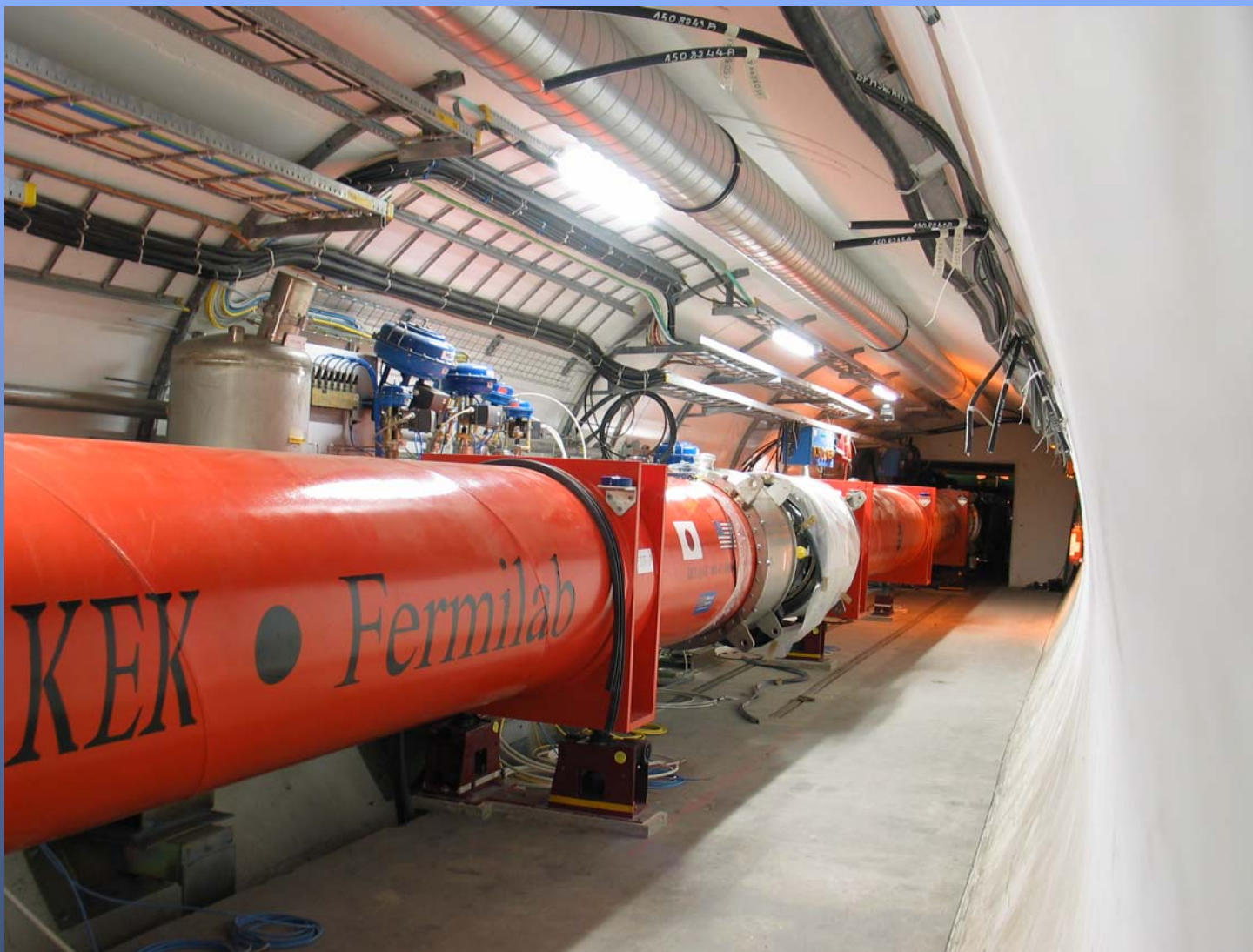
DFBMC



DFBAO



Inner Triplet at Point 5



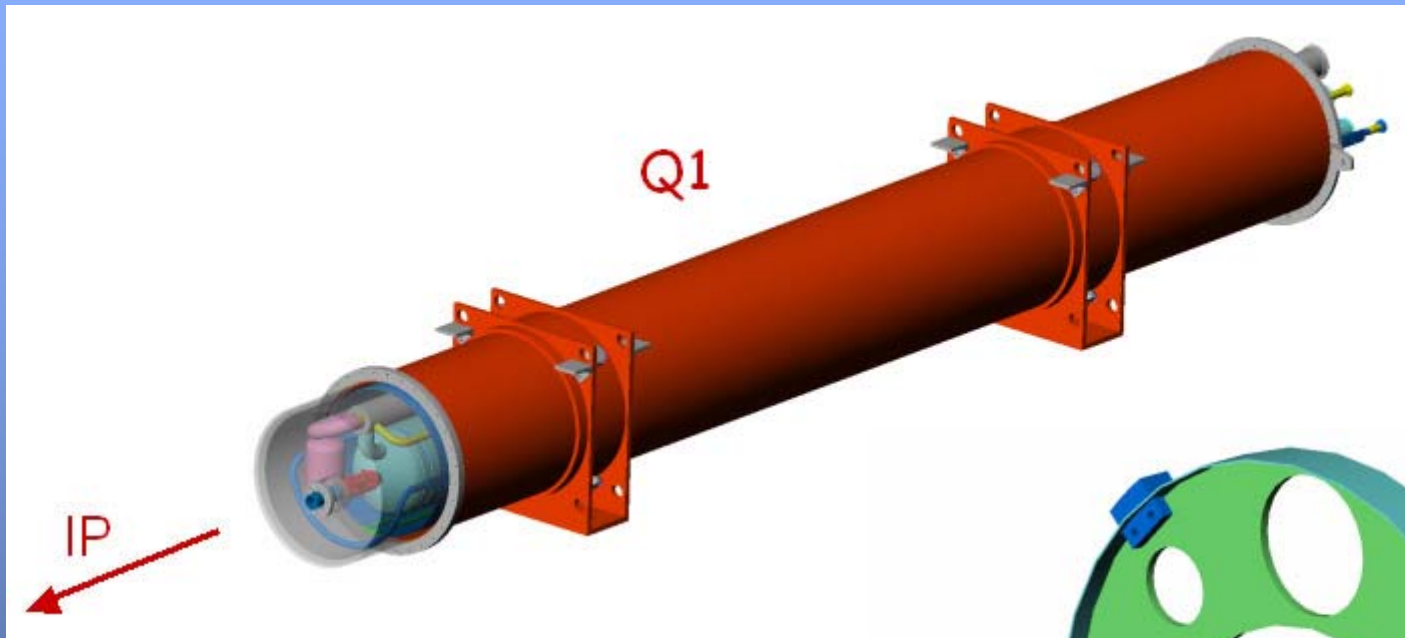
Extraction of X tube, Point 5



Inner triplet repair, Point 5

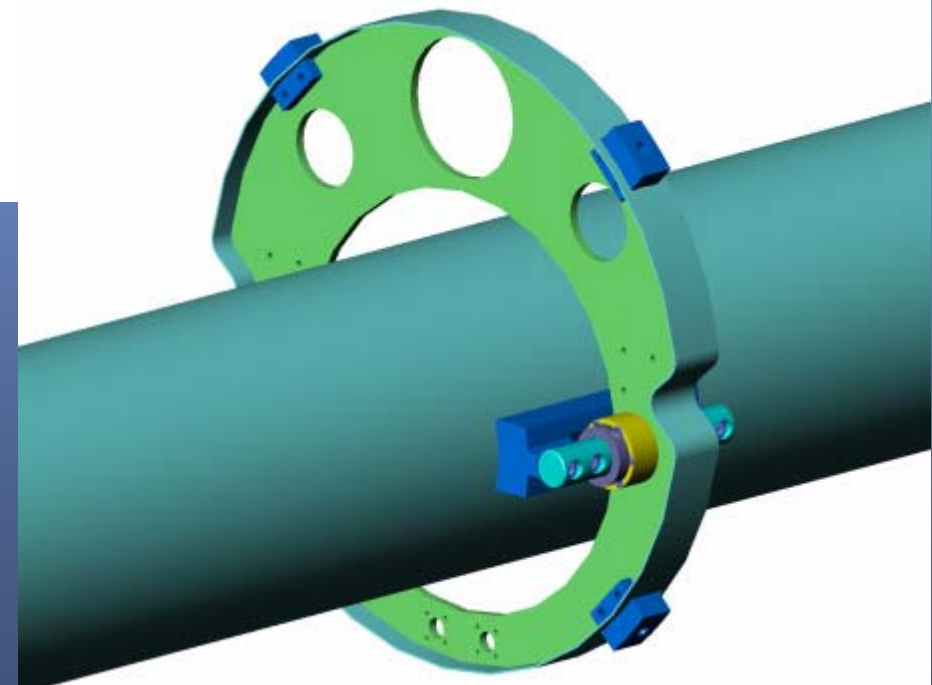


Inner Triplet



Q1 quadrupole magnet

G-11 support structure



Pressure test of Fermilab triplet in 5L



Schedule



- Before the IT problem, we were about 5 weeks behind schedule.
- Once the full extent of the damage is known and the in-situ repair validated, we will publish a new schedule. It now looks unlikely that the engineering run can occur at the end of the year but all effort will be made to maintain a physics run in 2008 as foreseen.