

# 6<sup>th</sup> LHC Radiation Workshop

## 29-30 November 2007

- The worry was present right from the beginning when it became clear that electronics needed to be installed in the tunnel close to the collider; it is therefore in the baseline LHC Project
- This resulted in
  - a very intense activity of design, validation, measurements, improvements with the equipment groups concerned
  - on-line monitoring of the dose and particle flux that the equipment receives
  - the study of effects on infrastructure (optical fibers)
- Now we even have some experience in the CNGS target area

# Radiation Tolerance assurance LHC Baseline

## **SEE testing of the LHC Beam Interlock System (25')**

Benjamin Todd (*AB-CO*)

## **Remote I/Os for Interlocks on Warm Magnets (25')**

Pierre Dahlen (*AB-CO*)

## **Radiation Tolerance of Cryo equipment in UX85 (25')**

Serge Claudet (*AT-ACR*)

## **Radiation damage to CNGS controls equipment (25')**

Edda Gschwendtner (*AB-ATB*)

## **Radtol optical fibers for LHC Beam Instrumentation**

### **Project and Engineering (25')**

Luit Koert De Jonge (*TS-EL*)

### **Radiation Effects (25')**

Thijs Wijnands (*TS-LEA*)