

Colaboração na experiência CMS

Introdução

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Bem-Vindos!

Official Framework

In October 1995 the Portuguese scientific authorities approved the LIP proposal to participate in the CMS experiment at CERN.

In the spring 98 ICCTI signed with CERN the final Memorandum of Understanding

Portugal/CMS Memorandum of Understanding

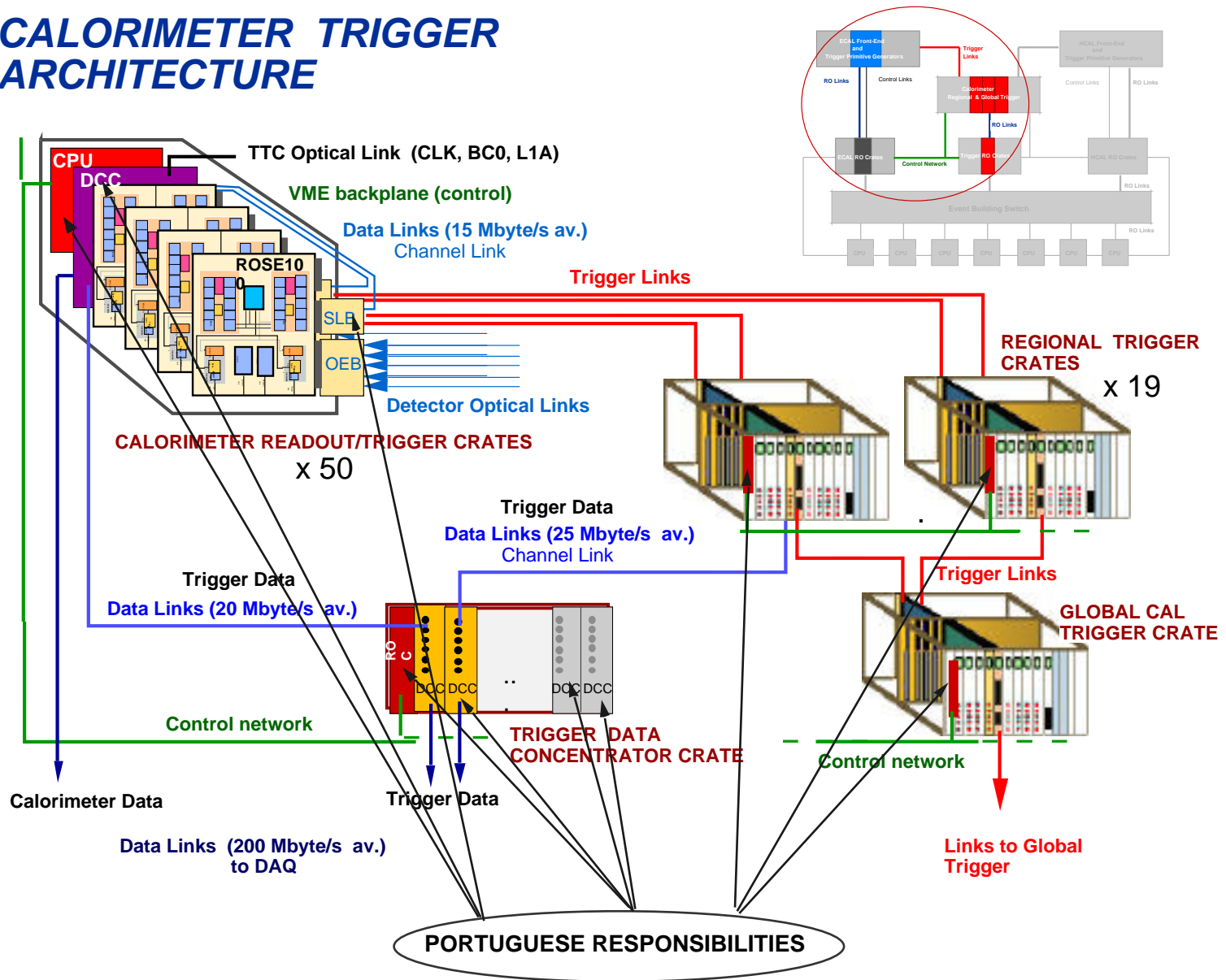
ECAL: Responsibility to provide trigger and upper-level read-out electronics.

Trigger/DAQ, Calorimeter Trigger: Responsibility to provide the trigger control and read-out system.

The LIP participation in the **Alignement System** is for the moment restricted to R&D.

Participation in **Offline Computing** to be defined in Computing MoU

CALORIMETER TRIGGER ARCHITECTURE



Program for 2001

- 1) Final version of the Trigger Synchronization circuit, including BIST
- 2) Final Prototype of Sync/Link Board
- 3) Design and test of the ECAL Data Concentrator Card prototype; development of high-level model and simulation.
- 4) Continuation of the development of the trigger control system (CARDS)
- 5) Quality control: boundary scan at system level, BIST, System simulation
- 6) On-line monitoring software for the ECAL beam tests
- 7) Development of the simulation, reconstruction and analysis software of the CMS experiment.
- 8) Prototypes of alignment system carbon structures (MABs)

