From: P.Bloch / ECAL PM 1/27/2004
To: concerned members of ECAL

Following the first meeting of the EE/ES cabling task force chaired by A.Hervé, I would like to draw your attention to the following points

The last possible date for the EE/ES cabling is early 2005. I want to stress that this is the last opportunity. If the pre-cabling is not performed at this date, the EE/ES cabling will require dismounting of Muon chambers and HCAL electronics. This will not be possible in the installation time foreseen for EE/ES in 2007, nor within the short shutdown planned after the pilot run and **will postpone any EE/ES operation after the first physics run.**

The realistic procurement time needed for the cable , their cut at length and connector mounting is close to six months. **Therefore all decisions/design must be done by July 04**.

I have attached a table which summarizes the open issues for the various parts, fixes target dates for the decisions and mentions who is in charge.
Particularly important are system tests for both EE and ES to make sure that our basic choices of unshielded bus-bar type cables for the LV and analog + digital mixing (for EE) are valid. For EE, these tests will be performed with EB prototypes. For ES they require prototypes of final electronics. These tests should absolutely be finished by end June.

The final design of the patch panels is equally important and must be completed at the same date.

The DCS architecture for temperature and humidity monitoring must be frozen, in such a way that the outside cabling can be defined. I asked Jordan to organize a meeting in February together with the Tracker experts, since we should seek for standardization across CMS.

Prototypes of the specific EE/ES optical fiber elements are expected in February to be tested in March.

The plan for the procurement of high voltage (EE+ES), low voltage (EE+ES) and control cables ES is to order them via our Greek collaborators from a company well known at CERN and to deliver them directly to CERN. Connector mounting has to be organized separately. I will follow closely this procurement plan, which should be guaranteed very soon. MEM cables should be procured by Saclay, EE DCS cables by Zurich, fibres by Minnesota in collaboration with CERN.