

LL, 14/7/2008

EUDET-LCTPC electronics meeting, July 14<sup>th</sup> 2008

Present: T. Behnke, K. Dehmelt, H. Franca Santos, L. Jonsson, L. Linssen, M. Mager, T. Matsuda, U. Mjornmark, J. Mnich, L. Musa, A. Oskarsson J.

Timmermans

Excused: R. Settles

**Main decisions taken at the meeting:**

1. OK to go ahead immediately with the order of 800 additional preamplifiers;
2. Agreement to produce 100 front-end board in total, including 20 boards as a pre-production batch;
3. Of the final batch, approximately 2000 channels will be equipped with 40 MHz ALTRO chips, while the others will be equipped with 25 MHz ALTRO chips;
4. CERN will mount the 40 MHz ALTRO chips on the second FE prototype board.
5. Luciano will provide 1 RCU and 1 DCS unit to Ulf at Ulf's visit to CERN on 24/7.

**And also:**

- Leif will produce a new financial overview.
- Leif will produce a time schedule (pending additional information, e.g. on the packaging delay).
- Lund will negotiate directly with the ALICE DAQ team (P. Vande Vyvre) concerning the DRORC+SIU+optical\_cable.
- Further RCU / DCS units will become available towards the end of September following a new production by ALICE.

**Main technical decisions still to be taken:**

- A meeting with the technical experts on electronics will be held either this week or next week. At that meeting, one of the main decisions will concern the reference Voltages and preferred Charge Gain (CG) choice. Shall the reference be fixed (as proposed in Luciano's slides) or dynamic (requiring a modification of the FE boards)? *In this context: where available, please provide your relevant information on the GEM chamber signal (gas gain).*