

LHCb Outer Tracker – Electronics (NIKHEF)

Meeting Minutes

12 July 2005

Present :

A. Berkien, W. Gotink, E. Heine, J. Koopstra, A. Pellegrino, J. Spelt

A. Minutes

No minutes from previous meeting. These minutes can be found at

<http://www.nikhef.nl/pub/experiments/bfys/lhcb/outerTracker/Documents/Meetings/OT-Electronics-NIKHEF/12-07-2005/>

B. Accompanying Documents

- Tracking System for FE Boxes (F. Schimmel)
- Abbreviations and Codes proposal (F. Schimmel)

These documents can be found at

<http://www.nikhef.nl/pub/experiments/bfys/lhcb/outerTracker/Documents/Meetings/OT-Electronics-NIKHEF/12-07-2005/>

C. New Issues

Possible conflicts between the proposed schedule and the OT milestones were discussed. In particular:

- Serial No., Labeling, Tracking, Databases and all that will be discussed in a meeting at the end of August.
- Estimated man-power for the LV/HV Dist. Box assembly work:
 - Conservative estimates says 1 FTE (e.g. Voronin) would work 2.5 weeks at HV and 1.5 weeks at LV to provide what needed for 1 C-frame
 - Man-power to assemble the boxes needed for the 1st C-frame can be provided in-house (i.e. Voronin)
 - Man-power for the rest of the work, assuming a rate of 1 frame per week, would imply 4 FTE. *Must be looked at.*
- Voronin available from August 1st: NIKHEF must make a planning of his activity, considering availability of materials for his work.

D. Open Issues

The following issues are still open:

- Completing shopping list for the orders of cables and connectors for C-frame assembly (target September):
 - LV (A. Berkien)
 - HV [T. Sluijk]
 - Ctrl SCSI [A. Pellegrino]
 - Optical breakout [A. Zwart & A. Pellegrino]
 - RASNIK [T. Sluijk]
- Assembly of 6+6 OTIS boards. Connectors delivered and sent to RIPA, who has everything to start, lead time to be announced this week [W. Gotink]
- Design of “small” FE boxes being update by H. Band, Ad will check after his holidays [A. Berkien]

- Check with LHCb management that schedule for the installation of the 2nd half of detector doesn't interfere with other activities.
- Check with A. Zwart that insertion of Ctrl Box in a finished frame is no problem and at least two Ctrl boxes (eventually prototypes) exist at all times for FE tests.

E. Action List

FE Electronics:

- 1) Check that order of HV Boards received at QPI [J. Kopstra & A. Pellegrino]
- 2) Check offer ASDBLR boards and send order to QPI [J. Kopstra & A. Pellegrino]
- 3) Check appointment with Joop for bonding 6+6 OTIS Boards [A. Pellegrino]
- 4) Check HV resistors for FE boxes (crucial is the energy they can stand)

C-Frames:

- 1) Complete first iterations of shopping lists C-frames (see above)
- 2) Check H. Band has completed drawings of mechanics for E. Berbee [A. Berkien]
- 3) Check orders LV dist. Box materials [A. Berkien & A. Pellegrino]
- 4) Search (e.g. ask J. Hogenbirk) fibre rolls and check with H. Band for space in the C-frame [A. Zwart]

Lower Priority:

- a) Activate STRATIX Readout [A. Pellegrino & A. Zwart]
- b) Report After-Pulse for TB [A. Pellegrino & Student]

F. Agenda for Next Meeting

- Checklist Open Issues and Station Action List
- Discussion Schedule

Adjournment:

The next meeting will be at 13:30 on Tuesday July 19 2005 in N-248.

Minutes submitted by: A. Pellegrino

Approved by: