

LHCb Technical Board 11th October 2002

Agenda

1. Approval of last TB summary	
2. Inner Tracker TDR	O. Steinkamp
3. Report on the LHCC meeting	T. Nakada
4. L1 Trigger Review	H. Dijkstra

Participants: G.Carboni, H.Dijkstra, R.Forty, J.Harvey, R.Lindner, C.Matteuzzi, M.Merk (phone), T.Nakada, T.Ruf, B.Schmidt, O.Schneider, A.Schopper, O.Steinkamp, W.Witzeling

Invited: F.Lehner (for item 2)

Excused: W.Flegel, D.Lacarrere, J.Lefrancois, A.Smith, U.Straumann, J.Christiansen

1. The summary of the TB on 16th September 2002 was approved.

2. Inner Tracker TDR

O. Steinkamp thanked all TB members who sent in their comments concerning the first draft of the Inner Tracker TDR. Some graphics and tables have been updated as agreed during the last IT TDR discussion. An extensive discussion followed concerning the TT content of the TDR. The TB (with the exception of IT-group) felt that the content of the Inner Tracker TDR should only cover that part of the project that is subject to approval by the LHCC at this stage. Consequently the Trigger Tracker should only be mentioned in the introduction and should not be described in an annex.

Because of the somewhat confusing nomenclature used so far, the Technical Board decided to adopt the following naming scheme for the tracking system:

The Tracking System comprises the Vertex Locator (VELO), the Trigger Tracker (TT) and the Tracking stations (T1-T3). The Tracking stations consist of the Inner Tracker (ITI-IT3) and the Outer Tracker (OT1-OT3).

3. Report on the LHCC Meeting

T. Nakada reported on the discussions he had with the LHCC chairman and the referees. The decision on the RPCs and the plan for the HPD were well received; however, the decision to postpone the submission of the LHCb-light TDR to September 2003 caused quite some concern and discussion in the Committee. We are asked to give a status report on LHCb-light in the open session of the LHCC on 27 November where we will have to show that the tracking performance, PID and physics performance of the new detector configuration is in line with the performance advertised at the time of the TP. Tatsuya discussed the tasks and actions to be taken as well as some key dates (see attachment for details). Time is very short and geometry updates will have to be frozen for the moment and resumed after the data required for the

presentation have been produced. The referees agreed to the submission of the Inner Tracker TDR despite the fact that the tracking performance is missing, the IT TDR will be accompanied by a covering letter explaining the context.

4. Level-1 Trigger Review

The provisional report by the referees had been distributed to the TB and H. Dijkstra explained the reasons for the long delay. He summarized the report and mentioned some of the concerns expressed by the referees. It has to be noted that there is disagreement between the reviewers and the reviewees on the report and its conclusions. The final report will be transmitted to the management.

The next Technical Board will be held on

Monday 25 November 2002 at 14:00 in room 304-1-001A

[<http://documents.cern.ch/AGE/current/fullAgenda.php?ida=a021592>]