

GDE R&D Board

Minutes of Meeting #47, 16 March 2007

Participants: Barry, Bill, Chris, Eckhard, Hitoshi, Marc, Lutz, Olivier, Terry, Tom.

Report from EC: Bill

Brief notes of the meeting which Bill and Eckhard attended were distributed prior to the RDB meeting. The notes have been sent around and are available from the Indico pages. Key points were the discussion of the CsrTA facility issue and the program for the MAC meeting.

Agenda MAC Meeting April: all

With Tom's draft in a slightly adapted form as input the only remaining questions discussed was whether to emphasize the aspect of critical research by exposing them in the agenda. Technically one would have to single out the e-cloud topic in S3 followed by an overview talk. In the spirit of uniformity it was agreed to follow the canonical order S0/1, S2 and S3 and continue with S4 and the remaining R&D.

The EC has requested budget figures for the overall program. Most budget figures will be prepared within the task forces where they will be presented. There should be one central place where a consolidated budget will be shown.

Eckhard updated the agenda with the input from the meeting, spreading the schedule over 1 1/2 days and sent it around after the meeting for final review. The agenda will then be sent to the MAC for preparation.

Preparing the MAC review: R&D document

A template for the document showing the basic structure had been distributed prior to the meeting. It shows the individual chapters. The contributions of the task forces should be concise and extend over a few pages. More complete information should be collected in the appendix in more tabular form. The main purpose of the document is to capture the status of ILC R&D in April 2007.

The appendix will also hold the information for the individual R&D activities (which involves universities etc.).

Again, the baseline approach assumes the following timelines:

The baseline R&D plan will assume an EDR phase (2007-9), an approval phase (2010-11) and a construction phase 2012-2019.

S0/S1: Lutz & Hasan

Lutz has held a meeting where the task force tried to cope with the realistically available funding. They tight loop tests will be accomplished. However, it is not yet completely clear how many of the cavities can actually be produced. The statistics for decision of the gradient by 2009 may be lower than desired.

The TTC meeting will precede the MAC meeting at FNAL and may resolve some of the issues.

Bill emphasized that G Dugan would like to interact with the RDB for FY08 planning. A time will be scheduled in April before the MAC meeting.

S2: Tom & Hasan

Tom had updated the S2 agenda and distributed the Gantt chart showing S2 activities till 2019. Starting from a decision of gradient in 2009 and the availability of cryomodules in 2009 he developed a plan that allows for testing of a string of cavities by 2012 which corresponds to a 1% test of the produced cavities. The overall plan is aggressive. Hasan emphasized that the degree of accomplishments is S0/S1 have to be folded into the plan.

The progress at the XFEL needs to be folded into the schedule. We also have to react to developments at FNAL that may result from the study group addressing the future FNAL program. The statements on the technical requirements of a string test facility should be carefully examined.

S3:

Eckhard reported that a draft assessing CesrTA is currently being finalized and should be available in a short time.

Bill reports that the CesrTA will figure as an important issue in G Dugan's planning for FY09. The case is so exceptional that it may well serve as a justification to request additional resources.

Remaining R&D:

Chris, Olivier and Terry will assemble this section. The main purpose of the chapter is to outline the vastly spread activities on ILC R&D. Main reference will be a table in the appendix that will be referenced in the section. With the experience from several funding programs they will highlight the main activities.

Note after the meeting: Terry had not been able to connect by audio. He informs the R&D board that he will deliver the report on RF systems that has been in the making for some time. The report will serve as input to the R&D document.

Organisational matters:

We will use the Indico system on ilcagenda for future meeting to hold the agenda and supplementary information. This has the advantage of making the information for the next meeting available to everyone and of archiving the contents under the documentation system.

The meetings themselves will be run using webex.

Next Meeting Mar 23, 2007, 13:00 UTC.

E Elsen