

## **Minutes of Meeting #11**

WebEx, Wednesday, 18 April 2007

*Attending: Jie Gao, Susanna Guiducci, Tom Mattison, Mark Palmer, Junji Urakawa, Marco Venturini, Andy Wolski.*

### **1. Comments on Minutes of Meeting #10 (WebEx, 4 April 2007).**

No comments or corrections.

### **2. LCWS (DESY, 30 May – 2 June): plans for damping rings parallel sessions.**

There are two days of parallel sessions scheduled, on Thursday 31 May and Friday 1 June. The damping rings will form one of the groups on both days. Nearly 20 of those registered for the workshop are expected to have some significant interest in the damping rings, and it seems likely that an interesting and worthwhile agenda of technical presentations can be assembled for the first day (Thursday). The second day (Friday) can be used for discussions on coordination, planning and resources.

To assist the planning discussions, we need up-to-date information on the resources available. The present information in the R&D database was collected in September 2006, and was assembled by individually contacting the coordinators of each listed activity. This approach to collecting the information worked quite effectively, and the proposal was made to repeat the exercise, but with the Work Package coordinators within S3 taking responsibility for collecting information on resources in their area. The goal should be to assemble a comprehensive picture of resources for the damping rings (not just the six work packages already developed) in time for discussions at LCWS.

**Action:** Andy to coordinate collection of resource information, and update the database.

The question was asked whether phone conference facilities will be available at LCWS for people unable to attend in person to call in to participate in particular sessions.

**Action:** Andy to contact the appropriate workshop organisers to request phone conference facilities for the damping rings working group sessions.

It was noted that a Memorandum of Understanding on damping rings R&D will shortly be agreed between LBNL and IHEP. Jie can provide further information at a future meeting.

### **3. “Options for the Electron Cloud Experimental R&D Program”.**

Following S3 discussions at ILCDR07 at Frascati, a report summarising S3’s views on the CesrTA proposal was presented to the RDB. The RDB was particularly concerned over the level of resources required to support CesrTA, and asked whether there were alternatives, such as the use of KEKB for these studies.

In response to these questions, a note on options for the electron cloud experimental R&D program was prepared, and has been circulated amongst S3. This note considers particularly the use of CesrTA and KEKB for electron cloud studies. Some comments and clarifications were made by some members of S3, and a final version has been prepared, and will be submitted to the RDB.

**Action:** Andy to submit final version of the note on “Options for the Electron Cloud Experimental R&D Program” to the RDB.

A detailed plan for studies at CesrTA has been documented; it was asked whether anything similar was expected for KEKB. No written plan is available that describes the use of KEKB for studies of electron cloud for the ILC damping rings, and nothing is expected on the timescale that the GDE has been asked to respond to the funding agencies regarding the CesrTA proposal.

#### **4. Latest version of S3 R&D Plan.**

The latest version is available on the “internal” S3 pages of the damping rings wiki site:

<https://wiki.lepp.cornell.edu/ilc/bin/view/Private/DampingRings/S3TaskForce/WebHome>

(Note that you need to log in using your wiki account username and password to access these pages).

It was agreed that it would be useful for the MAC to see a recent version of the R&D plan, as long as it is made clear that this is a working document, still in the process of development. The section on fast injection/extraction kickers needs updating with additional material.

**Action:** Tom to provide updates to the kickers Work Package 3.5.1, and send to Andy for incorporation in the document by next Monday, 23 April.

**Action:** Andy to prepare a new draft of the damping rings R&D plan, incorporating the additional material to the kickers Work Package 3.5.1, and send to Maxine for distribution to the MAC members.

**Action:** Andy to use “track changes” in MS Word for future versions of the damping rings R&D plan, to make it easier to see changes from previous versions.

#### **5. ILC MAC, FNAL 26-27 April.**

The MAC will focus on the work of the RDB. Andy will give a presentation (by WebEx) on behalf of S3.

A draft of the S3 presentation has been circulated among the S3 members. One point regarding the use of test facilities needs to be made more clearly: that attention needs to be given to providing sufficient time for use of the test facilities, to ensure that the necessary results are available in time for the EDR.

**Action:** Andy to add clear comments to the MAC presentation, regarding the need for sufficient time to be scheduled on test facilities, to provide information in time for the EDR.

**6. Any other business.**

**Next damping rings R&D meeting in Korea.** The dates and topics have not yet been decided, but it would be helpful to have an announcement of the workshop at LCWS07, to give time for preparation and travel planning. It would be appropriate that the topics covered at the workshop were those covered at ILCDR06 at Cornell a year previously, namely: electron cloud; impedance; and fast injection/extraction kickers. However, there should be at least a short session on the lattice design, given the fundamental role of the lattice design for a wide range of damping rings studies.

[Note following the meeting: a message circulated to the [ilcdr@lbl.gov](mailto:ilcdr@lbl.gov) email list following the Frascati meeting received three responses regarding the proposed R&D meeting in Korea. Each of these responses expressed a preference for November for this meeting, rather than September.]

**Action:** Junji and Jie to decide a specific proposal for the dates and topics of the next damping rings R&D meeting, and circulate around S3 for agreement.

**Date of next S3 meeting.** Wednesday 2 May is a difficult date for some. The next meeting will be by WebEx almost one month from now, on Wednesday 16 May (two weeks before the LCWS07 workshop). Any urgent business in the next few weeks can be transacted by email.