

# **Draft: Minutes of ML-SCRF Technology Meeting (090916)**

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## **Date & Time:**

13:00-14:00 GMT, 16 September 2009, via webex.

## **Participants:**

A. Yamamoto, M. Ross, H. Hayano, J. Kerby, R. Geng, T. Shidara, W. Bialowons, T. Peterson, Z. Conway, S. Mishra, S. Fukuda, P. Garbincius, R. Rimmer, N. Toge

Presentation files are available at the following Indico site;

<http://ilcagenda.linearcollider.org/conferenceDisplay.py?confId=4172>

## **1) Report from ML Project Managers (M. Ross)**

- Marc noted that the ALCPG 09 web site will be updated very shortly with talks & speakers, and there is a planning webex meeting this Friday. In particular he noted the AD&I planning sessions on Wednesday and Friday that will be used to frame and then collect the information from the rest of the week. We look forward to seeing everyone in Albuquerque.

## **2) GL Reports**

Rongli Geng noted that beyond the Cavity Database effort (reported below) in preparation for ALCPG09 an important aspect will be to collect information on the future cavity plans for coordination of the overall effort. The Cavity ALCPG agenda is just about fixed with some minor changes to accommodate the local time for people participating via webex.

Hitoshi Hayano reported that at KEK there has been great progress on the High Pressure Vessel code front, which will be reported in detail at ALCPG. Marc noted how important this is for the ILC, and there is the hope that this progress can be duplicated in other countries.

Tom Peterson will communicate off line with Akira on the ODH analysis. Marc asked Tom and Akira to review the cryo availability numbers being used in the simulations, as this is one of the major drivers for the overall machine availability in the current studies being done by Tom Himel. Akira will use his current visit at CERN, and Tom his over the next couple of weeks, to discuss this issue with the CERN cryogenics group. Peter Garbincius asked if in light of the LHC incident of last year, access restrictions to the LHC tunnel or other areas had been changed. Tom will check on this as well.

## **3) Topics**

- **Progress in Cavity Gradient Yield Evaluation (R. Geng, J. Kerby (for C. Ginsburg))**

Rongli led an abbreviated discussion of the slides presented by Camille Ginsburg at the Monday 14 Sept S0 Cavity webex (slides posted). Rongli noted the progress made by the team so far, and the better understanding of the statistics associated with the generation of the first 'production yield' plots including error bars. There remains work to do as noted in the talk, including understanding details of each cavity, generation of new types of plots including those with 2<sup>nd</sup> pass processing results and time evolution of results. There remains discussion on inclusion of Production 4 which could increase the statistics some, and an important discussion on how new vendors are deemed 'qualified'.

As a follow up, Rongli noted that the ALCPG agenda has been reworked in the cavity sessions to accommodate not only those webex-ing in to the meeting, but also to allow for discussion after the cavity database talk. Rongli also noted that in the American region Mark Champion, among others, was working with ARRA funding to have more cavities ordered that will become available in later 2010 for testing. Finally, Akira and Rongli will meet early during the SRF09 conference to arrange a cavity database team meeting at that conference.

- **ALCPG/ILC-GDE Meeting Agenda**

Hitoshi presented the draft schedule for the ML sessions of ALCPG, to be discussed further at the Friday webex meeting. A couple of corrections were noted, including an update to the cavity sessions from Rongli, filling in of various speakers, and noting that a revised agenda from Chris Adolphsen needed to be incorporated. Rongli also noted that there has been a very recent request for time for a talk from

TRIUMPH that he will accommodate, and Shekhar Mishra asked about the inclusion of a talk on progress in India (Shekhar will send a proposed title for the talk to Jim after the meeting).

At the next level up, Akira noted that he will need to participate in the late Wednesday afternoon beam delivery system session so Jim and Tetsuo will cover for him, and Shigeki is requesting a joint HLRF and CFS session that we will organize during the webex on Friday.

- **Preparation for AD&I Study and Document**

Marc noted that the 2<sup>nd</sup> AD&I meeting has been fixed for 2-3 December, at DESY. He thanks DESY for agreeing to host the meeting and making rooms available, etc. He also notes that we have some possibility for side meetings both before and after the meeting, on the 1<sup>st</sup> and 4<sup>th</sup> of December, and that people should try to keep those dates clear as well for now. Writing assignments for the AD&I documents will be made at ALCPG, with the document being done by the end of December and then the focal point of the AAP review 6-8 January 2010 at Oxford.

- **Announcement for Industrialization Meeting**

Akira noted that the initial announcement for the ILC Industrialization Meeting associated with IPAC has been sent, and hoped that everyone had received it. He noted that the initial distribution included just those companies that had been visited by the GDE over the past year, but if there were suggestions for companies to add to the list please let him know. There will not be a preliminary get together on the topic at SRF09 due to time constraints and the sensitivity of the XFEL industrial contracts at this time, but further planning for the Kyoto meeting will come in the next months.

#### **4) Further Plans and Meetings**

Next ML-SCRF webex meeting: 14 October, 13:00- GMT

The following ML-SCRF webex meetings are tentatively scheduled for 11 Nov, 9 Dec.

SRF09: Sept 21-25 (Berlin)

ALCPG09: Sept 29-Oct 3 (Albuquerque)

AD&I 2: Dec 2-3 (DESY)

AAP Review #2: Jan 6-8, 2010 (Oxford)

GDE meeting: March 26-30, 2010 (Beijing)

TTC: April, 2010 (FNAL)

IPAC: 24-28 May, 2010 (Kyoto)