

DRAFT: Minutes of ML-SCRF Technology Meeting (120725)

Date & Time:

13:00-14:21 GMT, July 25, 2012, via Webex.

Participants:

H. Hayano, P. Pierini, T. Peterson, C. Nantista, S. Fukuda, A. Yamamoto, M. Ross, J. Carwardine, K. Yokoya, C. Pagani, and T. Shidara,

Presentation files are available at the following Indico site:

<http://ilcagenda.linearcollider.org/conferenceDisplay.py?confId=5757>

1) Report from Project Managers (Akira Yamamoto and Marc Ross)

Akira started the meeting by showing the usual SCRF related meeting plan, and mentioned the KEK LC R&D Review (<http://kds.kek.jp/conferenceDisplay.py?confId=10279>) which will be held at KEK from July 31 to August 2, but he expressed his plan to focus on “SCRF related TDR writing status”.

2) Reports from Group Leaders (Hitoshi Hayano, Tom Peterson, Shigeki Fukuda and Chris Nantista)

Hitoshi reported that Quantum Beam facility entered into summer shutdown and the CM is on the warming up process. Hitachi 9-cell cavity with HOM coupler reached 41 MV/m without showing any field emission at the VT test two weeks ago, and Hitachi has been well qualified as the second vendor in Japan which succeeded in achieving this top gradient.

Tom reported that he reviewed and updated the spread sheet of ML cryogenics plant power.

Shigeki is planning to change the LPDS and he would like to discuss with other related TAGLs on this change. He reported that he would have a chance to discuss with Thomson concerning klystron cost estimate this September.

Chris reported that 40-m KCS WG with CTO was installed and will be connected to the MBK klystron using the KEK supplied 5-MW isolator and a VTO, which are expected to arrive soon. Resonance test will then begin.

3) Special discussion

John showed the TDR writing status and the milestones. E. Elsen completed the first round editing for SCRF part and waiting for feedback from EC. The page count for SCRF chapter submissions is about the right number. He mentioned again that we could get necessary information by visiting the forge portal (<http://forge.linearcollider.org/tdr>).

● Discussion on TDR preparation status for individual sections:

The writers of the TDR SCRF related part were requested to report their writing status by visiting the following TDR documents.

TDR1 (29MB download): <https://forge.linearcollider.org/attachments/download/501/EC-TDR1-20120709.pdf>

TDR2 (24MB download): <https://forge.linearcollider.org/attachments/download/502/EC-TDR2-20120709.pdf>

Username: TDREC, pw: ilctdr12

Akira and Hitoshi walked through their documents. Paolo, Tom, Shigeki, Chris and John reported their related status. Marc pointed out the issues on how to organize the writing in Part-1 and Part-2, especially speaking the CM design part, as well as the parallel description of KCS and DKS schemes in a coherent manner with the CFS part.

Akira proposed to walk through the CM, HLRF and LLRF documents at the next SCRF Webex meeting.

4) Further Plans and Meetings

ML-SCRF Webex

22 August

LINAC-2012 (Tel Aviv)

10-14 September

ALCPG-LCWS (U Texas-Arlington)

21-24 October