

# CFS & Global Systems Webex Meeting

20<sup>th</sup> August, 2008

## Agenda

PM Report (M Ross)  
CFS Report (V. Kuchler, J Osborne, A. Enomoto)  
LLRF Report (J. Carwardine)

## Meeting Summary

### **PM Report**

The ILC Project Advisory Committee review will be held in October. This review will be a high level review, largely focused on ILC management, R&D plans, resources, and project implementation. The meeting is open, but Technical Group Leaders are not required to attend.

The Accelerator Advisory Panel (AAP) review at KEK in April 2009 will have a strong technical focus. Technical Group Leaders will have significant involvement in the preparation and planning for this review. This is in effect an interim review of the ILC Technical Design Phase 1, and will be broadly based on the published ILC R&D Plan and specifically in presenting plans for meeting the goal of an updated ILC baseline design by the end of TDP-1 in July 2010.

ILC08 in November will be used largely to prepare for the AAP review, and will have both plenary and parallel working group sessions. Guidance will shortly be sent to the working group session leaders.

The FALC meeting in July was the first since the formation of the PM team. Three topics of particular interest were GDE plans to develop a project implementation plan, the R&D Plan and associated resources, and a presentation on CLIC.

CLIC will host their annual workshop in October. There is a strong desire to have consistent reporting of both CLIC and ILC groups at both this meeting and at ILC08 in November. There will be a short "update only" webex meeting of the ILC/CLIC collaboration on September 19<sup>th</sup>.

SLAC has proposed a new scheme for distributing high level RF power that promises cost savings through the elimination of the main linac service tunnel. It also promises substantial flexibility in the ILC design because it could make single deep-tunnel and shallow enclosure systems practically equal. The EC will consider the proposal at their meeting at KEK in early September.

Plug compatibility continues to have high priority, and it will play a significant role in the development of an ILC Project Implementation Plan. A document is being drafted for distribution later in 2008.

There will be a face-to-face meeting of the Executive Committee meeting in early September at KEK. Major topics include CFS and main linac integration, minimum machine definition, and development of a project implementation plan.

### **CFS Report**

The ILC/CLIC collaboration on CFS is now having monthly teleconference meetings. Topics discussed to date include civil works, material handling & transport, and HVAC and air handling.

Initial points of contact for the ILC/XFEL collaboration are Thomas Hott and Vic Kuchler. The focus of the first meeting will be to understand the respective ILC and XFEL costing structures.

W. Bialowons is the point of contact for the JINR effort. EU is working to supplement funding to the JINR effort. Contracts with GSPI are in the process of being finalized.

Near-term priorities for the CFS group are laid out in the GDE R&D Plan. Limited resources require the group to focus on the cooling water cost reduction activities and on alternate tunnel configurations. A goal of ILC08 is to come to a resolution on the process cooling water design.

In the longer term, a strong CFS program must be presented at the AAP review in April 09. Focus for the remainder of TDP-1 continue to be value engineering and cost reduction, and review of the minimum machine design.

### **Controls & LLRF Report**

ILC-specific Controls activities remain largely stalled due to lack of funding. Some limited activities may resume in US FY09.

Ray Larsen, Claude Sauders, and Margaret Votava are organizing a 2-day ATCA workshop at the Nuclear Science Symposium in Dresden.

LLRF activities are currently focused on the TTF/ILC 9mA beam studies program at FLASH. Several collaborators from

Fermilab, SLAC, and KEK will participate with the studies in September. Studies on RF overhead and high gradient operation are slated for January and May of 2009.