

The next GDE workshop will be held in conjunction with the American Linear Collider Physics Group meeting in Albuquerque, 29th September – 3rd October, 2009.

The GDE portion of the meeting will continue the now established Working Group structure and basic charge:

- Progress on **risk mitigating R&D**, primarily the global high-gradient SCRF programme; electron cloud suppression and ultra-small emittance generation in the damping rings (CESR-TA, ATF, DAΦNE, etc.); ATF2 programme for demonstration of the final focus optics and beam stabilisation. Review of TTF/FLASH 9mA experimental run.
- **Technical progress** on engineering design work, specifically the SCRF linac (cryomodules) and development of 'plug compatibility' interface specifications. Global 31.5 MV/m cryomodule test ("Global S1"); development of world-wide infrastructure and SCRF test facilities; development of cost effective high-level RF power sources (including HLRF solutions associated with a single-tunnel option).
- **Machine Detector Interface** (jointly with ALCPG), including CFS for collider hall.
- **Accelerator Design & Integration (AD&I)**: review of the "Straw-man Baseline 2009" (SB2009) elements, including reports on on-going studies and plans towards a baseline proposal. Assessment of associated cost increments and risk (via the development of the Risk Register). This workshop will also provide an open forum for discussion of the proposed design modifications with the physics and detector community.

The goals of the workshop are to:

- Review current status of global ILC R&D and future plans, in accordance with the stated and published milestones in the Technical Design Phase R&D Plan (release 4);
- Review and plan activities in and around Test Facilities;
- Produce six-month detailed plans, including preparation for the second AAP review (Oxford, January 2010) and the next GDE meeting, held in conjunction with LCWS 2010 (Beijing, March 2010).
- Consolidate work for SB2009 proposal (due end 2009)
- Begin to identify and prioritise TDP-2 work:
 - critical R&D milestones
 - AD&I work, including cost models

Working Groups

The ALCPG meeting will maintain the now established Working Groups and conveners. As in the past these conveners are primarily responsible for the detailed parallel programme, which should be formulated in close consultation with the other relevant Technical Area Group leaders.

In addition – and where applicable – the ILC-CLIC Working Groups should also be integrated into the relevant parallel WG activities.

WG-1: Sources (electron and positron sources)

Conveners:

Axel Brachmann	(brachman@slac.stanford.edu)
Jim Clarke	(j.a.clarke@dl.ac.uk)

WG-2: Damping Rings

Conveners:

Susanna Guiducci (susanna.guiducci@Inf.infn.it)
Mark Palmer (map36@cornell.edu)
Junji Urakawa (junji.urakawa@kek.jp)

WG-3: SCRF Main Linac

Conveners:

Hitoshi Hayano (Hitoshi.Hayano@kek.jp)
Chris Adolphsen (star@slac.stanford.edu)

WG-4: Beam Delivery System

Conveners:

Deepa Angal-Kalinin (d.angal-kalinin@dl.ac.uk)
Andrei Seryi (seryi@slac.stanford.edu)
Hitoshi Yamamoto (yhitoshi@awa.tohoku.ac.jp) for MDI specific

WG-5: Conventional Facilities and Siting (CFS)

Conveners:

Atsushi Enomoto (atsushi.enomoto@kek.jp)
Vic Kuchler (kuchler@fnal.gov)
John Osborne (john.andrews.osborne@cern.ch)

WG-6: Accelerator Physics (simulation)

Conveners:

Kiyoshi Kubo (kiyoshi.kubo@kek.jp)
Daniel Schulte (daniel.schulte@cern.ch)
Nikolay Solyak. (solyak@fnal.gov)