

What has happened on CLIC Detector/Physics preparation since last meeting 8 February?

At CERN:

- small budget from White Paper for CLIC detector R&D
EU proposal DEVDET with small CLIC R&D submitted.
- first doctoral student will start Sept 2008, visiting scientist will joint
(first 6 months 50% , than 100%)
- mechanical engineer will join
- applying for Fellow and another doctoral student.
- “Theory Institute” on LC planned for 2009

Visits:

- LAPP Annecy, small SiD group and work on CLIC stabilization.
Agreed to collaborate on simulations for CLIC detector concept.
- SiD collaboration meeting in UK.
Invited to present CERN's plans. For update of CLIC detector concept will start from SiD concept. Will use SiD simulation and reconstruction SW.
Visit at CERN of senior SiD Physicist planned during fall 2008.
- FCAL Collab. meeting in Krakow
plan "light" collaboration on forward detectors and engineering designs
- ILC-ECFA meeting in Warsaw
3 physicists from CERN will participate.

Proposal for a Mandate: Detector WG for CLIC-ILC Collaboration

Operation of CLIC or ILC will pose different constraints on the detector requirements. However, fundamentally the concepts will be very similar, some of the sub-systems may even be identical.

Impressive R&D and development of detector concepts have been done by the ILC community for a 500 GeV LC. To study an extension to higher energy would be a natural goal for this collaboration.

- Foster ideas and favour exchange.
- Initiate establishment of an evolving list of common activities for detector concepts and R&D topics.
- Encourage strategy for direct comparison of detector performance
- Encourage agreement on benchmark processes, preferentially at the same energy.
- Support common technical solutions (e.g. “push-pull”) and common parameters (e.g. Crossing angle).
- Foster participation of both communities in LC workshops and meetings

This collaboration should be seen as part of the effort towards Technical Designs for ILC and CLIC.