

Report of
ILC-CLIC Beam Dynamics Workshop,
June 23-25 2009,
at CERN

2009.07.

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Participants and Contributions

- 36 registrants (30 from Europe, 4 from Americas, 2 from Asia), several non-registered participants and several remote via webex
- 36 talks (approximately, ILC 10, CLIC 18, both 2, ATF2 4, other 2)

Some of reported Progress in ILC

- Updating long range alignment/survey model
 - Comparison with laser tracker system, , , ,
- More stray field measurements
 - need more data. Different places.
- Simulations of bunch compressors
 - correction using cryo-module pitch movers
 - corrections using crab cavities
- Simulations of luminosity performance with time varying errors
- ML DFS with BPM scale error (new optics)
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ILC-CLIC Collaboration plan

- Survey/pre-alignment model
 - Data usable for beam simulations will be provided.
- Stray fields
 - FNAL have collected measurement data.
 - Try to make measurements at DESY and CERN
- Benchmarking of simulations on CLIC main linac
 - Will be done by CHEF and SLEPT compared with PLACET
- RTML design
 - Good communication in this workshop
 - Vacuum system
 - CLIC and ILC have common interest.

ILC-CLIC Collaboration plan

- Combined studies of fast(Intra-pulse) and slow (inter-pulse) feedbacks for both ILC and CLIC
 - J. Resta Lopez,
 - Also at CERN
- Traveling focus in ILC MM
 - CLIC side try to find how to help ILC
- Common workshop
 - We will try to have once a year.