

# **TTC Meeting at FNAL**

WG Titles, Conveners and Charge  
(notes by mt 3/4/07)

The workings groups for the FNAL meeting that we have agreed on are:

WG1 cryomodule issues (XFEL, KEK design, ILC, module tests at DESY, CW modules)

WG2 summary of EP, new treatment infrastructure needs...

WG3 test facilities, operating experience, new proposals...

WG4 input and HOM couplers

The working group conveners are:

WG1 T. Peterson, B. Petersen

WG2 K. Saito, H. Padamsee, J. Mammoser

WG3 S. Schreiber, S. Nagaitsev, H. Hayano

WG4 W. Moeller, E. Kako

The more detailed charges for the WG's:

WG1 Module issues, KEK, XFEL, ILC, DESY module tests & ERL and other CW modules for light sources

1. Status of the different modules
2. Produce an overview table displaying similarities and differences
3. Understand the implications of the new designs – particularly ILC related – in terms of technical necessity, R&D resources required and duration
4. Identify standard sub-components and try to define standards in terms of specifications and/or suppliers
5. Describe R&D plans for the near term, mid term and far term

WG2 Summary of progress in cavity issues, plans and suggestions for improvement in R&D infrastructures

1. Review answers to GDE questions submitted at the KEK meeting and note needed changes
2. Review progress in single cell R&D and discuss applicability of results to multicell structures.
3. From today's perspective describe an ideal infrastructure and test regime for solving the yield problem of multicell cavities
4. Describe the R&D plans for the remainder of 2007 with quantitative description of the tests expected.

WG3 Test Facilities – operating experience and new proposals

1. Report on beam tests at FLASH
2. Discuss possible new beam tests at FLASH
3. Hear reports on plans for beam test activities at KEK, FNAL, other labs
4. Compare objectives for ILC test facilities with table 3 of the S2 report found at

[http://www.linearcollider.org/wiki/doku.php?id=rdb:rdb\\_external:rdb\\_s2\\_home](http://www.linearcollider.org/wiki/doku.php?id=rdb:rdb_external:rdb_s2_home)

#### WG4 Input and HOM couplers

1. Summarize R&D work on power and HOM couplers at KEK, SLAC, Orsay, Cornell and others
2. Review experience and progress in coupler conditioning
3. Discussion of problems with power and HOM couplers and possible solutions
  - a) Failure modes
  - b) Possible explanations and cures
  - c) New approaches, e.g. “mirror” HOM coupler