

LCFOA meeting at SLAC, May 1, 2006.

Afternoon cryogenic system breakout session in Redwood conference A.

Our “breakout session” group consisted of Steve Hensley of Brehon Cryogenics, John Urbin of Linde, Y. Tito Sasaki of Quantum Mechanics Corp., Richard D. Nolte of Air Products and Tom Peterson of Fermilab. These notes by Tom Peterson.

- Cryogenic system is complex and very large, but perhaps similar to civil engineering for ILC in that it is an extension of known technology. Industry has the expertise to build the cryogenic system components.
- Main issue for discussion was how to get industry involved in cryogenic system efforts. Presently we have two major efforts underway:
  1. RDR and cost estimate – we need industrial help in order to refine our designs and make the best possible cost estimates. Key issue is how to get industry involved here, what is the procedure for placing contracts with industry for design work and cost estimates.
  2. Establishing ILC R&D infrastructure – industry is now providing R&D components and providing some cost estimates – small stuff so far but this work will grow.
- Echo of statement from Harry Carter’s summary for the cryomodule group: two meetings per year where people hear reports about what the national labs have done do not constitute “engagement” in the ILC effort.
- Conclusion: we will explore solutions to the issue raised in item 1 above and work toward more involvement for industry in our design and cost estimating process.