



ILC Controls Planning

Snowmass Fact Finding

- Look for accelerator (ie, not detector) projects in which CD could contribute
- Global groups efforts seemed most appropriate (not to be confused with working groups)
 - GG1: Parameters
 - GG2: Instrumentation and Controls
 - GG3: Operations and Availability
 - GG4: Civil & Siting
 - GG5: Cost and Engineering
 - standards
 - GG6: Options
- Some overlap between GG2 other groups
 - Machine Protection System (MPS)
 - LLRF Timing Distribution
 - Because GG only met in late afternoon, didn't really identify interested parties until the end of the week.

GG2

- Near term goals
 - Contribute the instrumentation and controls write-up to the overall ILC Baseline Design Report at the end of December
 - This won't be the final design. Change control will be taking place
 - Cost the beast in FY06.
- Created in the summer.
 - Not as far advanced as many of the other workgroups in terms of research plan as well as organization

People

- Conveners: Marc Ross (Slac), Hans Braun (Cern), Junji Urakawa (KEK)
- Organizations who have expressed interest and are in communication:
 - SLAC – much experience and background information from NLC work
 - Argonne – advanced photon source
 - Fermilab – assembling interest. Very scattered.
 - CD – Patty, Vince, Margaret, Luciano?, Ron?, Gustavo? (busy with SMTF)
 - AD – Manfred Wendt (BPMs), Jim Patrick, Bob Webber?
 - PPD – Geoff Savage
 - Desy - Hera
 - More are welcome

Communication Venues

- Will migrate to ILC official sites when available
- Wiki –
http://www.aps.anl.gov/ilc/wiki/index.php/Main_Page
- Mail list - Ilc-controls@fnal.gov
 - Many people subscribed
- Documentation database – docdb.fnal.gov
 - public ILC documents - demo database
 - certificate-based ILC demo document database
 - private ILC demo document database

Control Items Discussed at Snowmass

- Write-up from second week in docdb
- Issues for Early ILC Design cycle.
 - Definition of site-wide resources and interfaces
 - Standardization of Integration Protocols and Tools
 - Standardization of Control Hardware/Software
 - Subsystem Functionality Required by the Integrating Accelerator control system
 - Project-wide Relational Database Schema and Necessary Tools
- Reliability and Availability
- Machine Protection Interface
- Timing
- Network Management including remote operations centers
- Accelerator Post Mortem and analysis
- Data Acquisition and Archiving
- ILC Relational Database
- Machine Detector Interface

This week

- ILC Industrial Forum contains a GG2 component.
 - Well, not really. Only a couple of vendors with GG2 interests have registered.
- GG2 people will be here
 - SLAC: Marc Ross, Ray Larsen
 - Argonne: John Carwardine, among others
- Parallel meetings
 - Remaining 2005 plans and FY2006 R&D efforts: Wed 4:00 Small Dining Room
 - High Availability: Thursday 9:00 TBA