

Physics and Experiment Board Meeting

May 6 (1400 GMT), 2011

Minutes (prepared by J. Brau)

RD Report – Sakue

In response to Sakue's appeal at the ILCSC meeting for engineering support, the CERN CLIC engineering team will join the ILC MDI effort.

The costing subgroup met in April (except for the SiD members) and began the discussion on common unit costs. The group tentatively agreed to set unit costs for six materials: tungsten (2 types), silicon, iron (2 types) and stainless steel. This covers about 2/3 of the cost of the detectors. It was also agreed to use the 2012 ILC units. Exchange rate changes are a challenge, especially compared to the 2007 RDR rates.

The PAC meets in two weeks in Taipei, and in Prague, November 14-15. Both detector groups should send representatives to both meetings.

ILD - Ties

ILD will meet soon in Paris. ILD will try to finalize the software baseline and understand better integration issues. There are three pre-meetings: CALICE at CERN a week before, and MDI and software meetings on Sunday before the ILD meeting. Marco Oriunno from SiD and Vic Kuchler from the GDE will both participate in the MDI meeting. The structure of the DBD is starting to be discussed.

SiD - Andy

In reaction to the discussion with the IDAG in Eugene, SiD is going over the DBD outline, section by section, to understand what will be definitely be completed, and what is unlikely due to lack of resources. The Iowa PFA has been recoded and is being tested. Norman Graf will represent SiD at the Taipei PAC meeting. A DPF Instrumentation Task Force has started work in the US to study decay of infrastructure and what can be done about it. A proposal for five years of lepton collider detector R&D has been submitted to DOE. Work on 1 TeV DBD benchmark reactions is being done in collaboration with CLIC.

MDI – Karsten

Following the Eugene ALCPG meeting a common detector motion system for push-pull was agreed to. A joint MDI-concepts-GDE facilities effort is working to define requirements and to design the detector area.

Engineering Tools – Catherine

There is some progress in gathering documents and submitting to EDMS.

Software – Akiya

Work proceeds on preparation of samples for new benchmark studies. Tim Barklow has produced some test samples. The beam parameters for 1 TeV need to be defined.

Detector R&D – Marcel

Primary recent focus is on spin-offs of ILC detector R&D.

Physics - Michael

The conveners for the DBD physics chapter have been finalized and a web page identifying them has been prepared.

Interim Report - Hitoshi

Progress is slow. Drafts will be sent to communicators soon.

Next meeting

June 1, 1400 GMT