

Physics and Experiment Board Meeting

June 26, 2012 (1400 GMT)

Minutes (prepared by J. Brau)

Present: Ties Behnke, Jim Brau, Marcel Demarteau, Juan Fuster, Akiya Miyamoto, Michael Peskin, Yasuhiro Sugimoto, Andy White, and Sakue Yamada.

Excused: Karsten Buesser, Catherine Clerc, John Jaros, Hitoshi Yamamoto

Report by Sakue

Lyn Evans has been announced as the Linear Collider Director for the post-2012 organization. He will formally start in the summer of 2013. The transition plans will be discussed at the ILCSC meeting during ICHEP 2012 in Melbourne.

The LHC results on the Higgs search will be presented in a seminar at CERN at 9 am, July 4, simulcast to the auditorium in Melbourne at 5 pm the evening before ICHEP 2012 begins.

There will be a special issue of the ILC Newslines next week focusing on the Higgs. Sakue has been invited to submit an article. Barish and Bagger will also.

Sakue is preparing his presentation to the ILCSC at ICHEP in Melbourne. He will report on the status of the DBD preparation and the IDAG monitoring at KILC in Daegu. He also will comment on the post-2012 organization. Given the focus and status of the ILC detector groups, Sakue thinks it is important to keep the momentum for the ILC moving forward. A merged CLIC-ILC organization should not jeopardize this. It would be very helpful if a small R&D budget could be made available to the Associate Director to hire retired engineers on a part-time basis to support the detector design, for example. They could bring their extensive experience on a part-time basis to the needs of the detector groups. Also, small budgets applied to critical R&D needs could have significant impact.

The common sections of the DBD are being prepared and posted.

A draft document on the physics of the linear colliders (ILC and CLIC) for the European Strategy has been prepared by the authors recruited by Juan, Brian and Steinar, and led by Francois LeDiberder. Comments are being received. Also, CLIC plans to submit a separate document on CLIC accelerators and detectors. ILC should do the same. The final deadline for all submissions is July 31.

ILD - Ties

The main focus of ILD now is writing the DBD. The process is on track, except there is a delay in production of events.

SiD - Andy

SiD is also focused on writing the DBD and needs to get events produced soon.

An organizational meeting of the DBD editors was held. All contributions are due July 20.

There are discussions with DOE regarding future support for detector R&D. SiD is trying to understand why the last proposal was unsuccessful.

PNNL has joined the SiD effort, with computing facilities for the DBD.

The planning for the SiD Workshop at SLAC on 21-23 August is proceeding.

Andy also reported that LCWS 2012 preparations at UT Arlington are underway.

Software - Akiya

Some details need to be sorted out before starting production. SiD has started some production. ILD is working on some preparation.

SiD recently sent a visitor to KEK to discuss t-tbar Higgs analysis

R&D - Marcel

Preparation of the DBD common section is the recent focus.

Physics - Michael

Looking forward to the Higgs search results to be announced before ICHEP.

The Physics group has produced about 100 pages of material that is now being edited and will be released after ICHEP for comment from the ILC community. SiD and ILD people will be asked to sign the document before the July 31 deadline of European Strategy. The full report cannot be submitted since the page limit is 15 pages. The report will be referred to in other documents.

A joint 15 page report has been prepared by the LeDiberder group. It is an excellent report, putting forward the physics case for the LC. It strongly stresses Higgs physics, is a balanced statement for ILC and CLIC.

Planning for the US Snowmass process is moving ahead. There has been a change in the schedule and the meeting will now be held for two weeks in late July or early August on a US university campus. Pre-meetings will be organized in the spring of 2013, most likely at U. Minnesota.

Next meeting - last Tuesday of July - 31 July (tentative)