Physics and Experiment Board Meeting

June 1 (1400 GMT), 2011
Minutes (prepared by J. Brau)

Present: Ties Behnke, Jim Brau, Karsten Buesser, Juan Fuster, Akiya Miyamoto, Marco Oriunno, Michael Peskin, Yasuhiro Sugimoto, Andy White, Sakue Yamada, Hitoshi Yamamoto.

PAC Meeting – Sakue

The PAC met in Taipei May 19-20. Reports were given by Sakue (General overview), Norman Graf (SiD), Yasuhiro (ILD), SB2009 (Jim), MDI (Toshiaki Tauchi), and ILC-CLIC Cooperation (Juan).

There was a discussion on costs. The PAC wondered how ILD can present a cost when there are several versions of the detector. Sakue informed the PAC that he expected the risk (or uncertainty) in the costs to be reduced after the next round of cost refinement.

The GDE reported it was going to take some time to finalize the TeV parameters. The final parameters will not be available in time for the simulation work for the DBD. It was agreed that a set of parameters will be provided by Granada for the DBD. For now the old TeV parameters can be used to test software.

The GDE explained their plan to work on 1 TeV design in the post-2012 era. The detector community needs a well define goal for the post-2012 era.

ILD - Ties

ILD met last week in Paris. A main theme of the meeting was to better understand how to prepare for the DBD and to define software baseline. This is different from the hardware baseline, which will be set one year from now. Manpower remains a concern, as does test beam access in 2012. There is good progress on MDI, with SiD/ILD/CLIC collaboration. Costs will be prepared for each detector configuration.

SiD - Andy

SiD is reviewing its subsystems in preparation of a DBD outline. Individuals are contributing to the CLIC CDR, writing chapters. CLIC people plan to begin contributing to the SiD CDR in September when the CDR is completed. SiD is planning to present an update on the DBD plan at the IDAG meeting in Granada.

MDI – Karsten

Progress was achieved at the recent ILD meeting, including SiD (Marco Oriunno) and the CFS groups from GDE and CLIC. The design of the underground area, including service

caverns and space for opening detectors was discussed. This progress will contribute to the ILC TDR. Also a common effort for ILC and CLIC on the platform design and time evolution of the underground excavation was discussed with the UK civilian contractor enlisted to work on these problems.

Engineering Tools – Marco

EDMS has so far been treated as a model for baseline. The CTG is trying to expand to include all paperwork for project.

Software – Akiya

Software CTG is active in preparing simulation tools and plans.

Physics - Michael

The Physics CTG has planned the physics chapter of the DBD, with conveners from all regions. Once the LHC results are known the CTG will start to put some reports together.

Engineering Support - Sakue

Rolf had volunteered to help find engineering support from the laboratories. During the PAC meeting Mike Harrison informed us that a designer will be assigned at BNL to work with ILC detector effort for the next year. Marco Oriunno is discussing with BNL how best to put this effort to work – perhaps related to push-pull aspects related to QD0.

Interim Report - Hitoshi

The final files will be sent to the communicators soon.

Interim Report Author List - Sakue

The plan for now is to list the names of people who prepared the material for each article, and the list of the names of the ILD and SiD LOIs.

Future plans beyond 2012 – all

The efforts beyond 2012 were discussed with several different opinions expressed.