

## **Physics and Experiment Board Meeting**

July 31, 2012 (1400 GMT)

Minutes (prepared by J. Brau)

**Present:** Jim Brau, Karsten Buesser, Catherine Clerc, Marcel Demarteau, Juan Fuster, Akiya Miyamoto, Michael Peskin, Yasuhiro Sugimoto, Harry Weerts, Andy White, Sakue Yamada and Hitoshi Yamamoto.

**Excused:** Ties Behnke, John Jaros.

### **ILCSC meeting - during ICHEP 2012 in Melbourne**

The ILCSC discussed plans for the PAC meeting at KEK, December 13-14. The meeting will be devoted to the review of the TDR and DBD. The DBD must be submitted to the PAC in November for the review. (The IDAG review at LCWS in Arlington is an internal review. The first drafts for the October IDAG meeting must be ready by September 21.)

The ILCSC discussed the impact of the Higgs discovery and preparation for the next steps.

The mandate for the Linear Collider Board (LCB) was agreed to by the ILCSC and ICFA. A committee has been formed to select the LCB. The changeover from ILCSC to LCB will occur in February, when the both groups will meet jointly.

The organization for physics and detectors remains unspecified. The ILCSC did not discuss the details. Lyn Evans will communicate further with the community on this.

### **ILD – Yasuhiro**

ILD is busy collecting drafts for the DBD. There have been no simulation drafts yet. The length of the current collection is 130 pages. When the collection is complete it will exceed the 150 page limit, and some reduction will be needed. All input is expected by next week. A full draft should be available by the end of August.

The Higgs mass should be changed to agree with the LHC observation (from 120 to 125 GeV).

## **SiD - White**

SiD is aiming to have a first draft of all section for the August 21-23 workshop at SLAC. Text is beginning to appear.

The benchmark simulation production is ready to go. Production is being done at various locations, including the new collaborator PNNL.

## **MDI - Karsten**

A new version of the MDI DBD common section was just uploaded.

Status of sections for the TDR:

part 1 - R&D since RDR - started

part 2 - baseline - completed

## **Engineering Tools - Catherine**

A draft of the DBD section on Engineering Tools has been completed and distributed for comments. It may be ready for posting by the end of the week.

## **Detector R&D - Marcel**

A first draft of the detector R&D DBD common section exists, but many parts are missing. There are contributions from CALICE, TPC, FCAL, and a piece on GEMs, but very little on the vertex detector work. Marcel is discussing with Marco Bataglia how his contribution to the European Strategy might be modified to fill this hole.

The introduction will emphasize accomplishments and on-going activities, and a brief section on future R&D for the very end of the document will also be prepared.

## **Software - Akiya**

A draft of the DBD common section on software has been posted. Some pieces are missing, and should be added soon.

## **Physics - Michael**

A preliminary draft of the DBD physics volume was circulated to the PEB yesterday in an email. There has been good progress. Each group was given a 10 page assignment, and produced about 15-20 pages, except the Higgs group, which produced 45 pages.

The report is longer than anticipated, but this may be fine.

The document will be referenced in some documents going to the European Strategy. A final draft will be produced August 10. Sakue will send that draft to IDAG for comments

Michael wants to bring the document to the attention of all signatories of the RDR. It may be sufficient to send emails to the WWS regional lists.

### **Future organization**

Sakue reported he is hoping some consensus on the structure of the future organization will emerge from WWS and community discussions.

### **Next meeting**

The next meeting is tentatively planned for Tuesday, August 28.