

## **Physics and Experiment Board Meeting**

March 28 (lunch-time, Beijing), 2010

During 2010 LCWS (face-to-face)

Minutes (prepared by J. Brau)

**Present:** Ties Behnke, Jim Brau, Karsten Buesser, Catherine Clerc, Marcel Demarteau, Keisuke Fujii (for Michael Peskin), John Jaros, Akiya Miyamoto, Francois Richard, Yasuhiro Sugimoto, Harry Weerts, Sakue Yamada, Hitoshi Yamamoto, and Michel Davier (IDAG chair).

Sakue opened the meeting by welcoming IDAG chair Michel.

### **Request for Engineering Support**

At the Brookhaven ILCSC Rolf offered to discuss with the lab directors support for detector engineering if he were presented with a list of urgent needs. Sakue has requested lists from ILD and SiD, but has not yet received them. The detector groups are urged to response quickly.

### **PAC Meeting**

The PAC will meet in Valencia May 13-14. Sakue asked Jon Bagger (ILCSC chair) what the PAC would like to have presented. Since the common task activities are now being monitored by the IDAG, the PAC may put more weight on accelerator related common tasks, such as MDI. This time PAC will also hear the status of validated detector groups directly.

### **IDAG Meeting**

The IDAG is meeting during LCWS in Beijing, interviewing the validated groups, and some of the common tasks, namely MDI and physics. Karsten reported on the push-pull progress. Keisuke presented the proposal for new benchmarks. At the next workshop (in Geneva) the IDAG will hear from detector R&D and engineering tools.

## **SiD Letter**

SiD recently sent a letter to Sakue concerned with the Detailed Baseline Design (DBD) plans. Sakue organized a meeting of the ILD and SiD representatives and the management earlier here in Beijing to discuss the issues raised by SiD. Both groups have similar difficulties due to limited resources. The outcome of the discussion was to retain the nine goals for the DBDs, but to be realistic in the definition of what is required for each.

## **ILD - Ties**

Tohru reported on ILD in the plenary meeting here in Beijing. The main activity is to understand what can realistically be achieved for the DBD. A significant effort will be made to improve the integration of the detector, and to incorporate realism into the simulation model. ILD expects to provide the list of engineering needs in about one week.

## **SiD - John**

Andy reported on SiD in the plenary session here at Beijing. SiD can provide a very detailed list of engineering needs in about one week. Manpower shortages are limiting the work that can be for the DBD. Good progress is being made on R&D, as reported by Andy. SiD is now preparing for a workshop at Argonne in June. SiD will put some emphasis on integration engineering, and improvement of the detector model used in simulation.

## **MDI – Karsten**

Karsten reported to the IDAG yesterday. Work has concentrated on the push-pull mechanism and better understanding. An important issue centers on the difference of opinion between ILD and SiD on the use of a platform or none in moving the detectors for push-pull. Deciding on one approach will be attempted by discussing the advantages and disadvantages in detail.

### **Engineering Tools – Catherine**

Catherine reported that there has not been much progress lately.

### **Detector R&D – Marcel**

The Detector R&D Common Task Group has been extended with the addition of Marc Winter and Tim Nelson as members. The addition of another member, Burkhard Schmidt from CLIC, is being discussed. He will be included like a representative of R&D collaborations.