

SUMMARY OF THE TECHNICAL CONVENERS MEETING OF 22 March 2017

Present: Karsten, Toshiaki, Marcel, Paul, Akira, Yan, Auguste, Strahina, Claude.

(NB: all calorimeter conveners unfortunately missing because of the CALICE meeting in Paris)

CONFLUENCE SUBDETECTOR SECTIONS

- Librarians for the subdetector sections are operational for VERTEX and TRACKER. They have to be defined for CALORIMETER and their access rights checked for VFS and Iron Instrumentation.

INTERFACE DOCUMENTS

- A kick-off discussion between Roman and Karsten is foreseen early April to trigger the ILD reference document with general conventions. The goal is to have a first version for the ILD Lyon meeting end of April.
- It has to be checked that already agreed 0-order conventions (e.g. coordinate system) are now correctly propagated within the subdetectors to avoid duplication of work when filling the interface documents.

DETECTOR SIMULATION

- A VFS software taskforce has been set up gathering VFS experts, the VFS software contact and the IPHC BG simulator.
- The VFS geometry for the new L* is being finalized and checked within the updated simulation.

ANTI-DID TASKFORCE

- Production of the BG simulation will be done once the VFS geometry is finalized. Analysis of the samples is being organized in connection with the VFS software taskforce above. It will include investigations of BG effects in the VFS detector, the Vertex and the TPC. Goal is to have first results for the ILD Lyon meeting.
- Geometrical envelopes have been provided to Christophe Berriaud for the design of the small anti-DID coil option. Karsten will also send him the dead material around the beampipe as estimated years ago by C. Clerc.

VT TASKFORCE FOLLOW-UP:

- Information on the ECAL model has been sent to DESY to allow cross-simulations of the mechanical behavior of the full ECAL+HCAL wheels. An expert meeting is scheduled on April 13th to exchange information on the results.

AGENDA OF THE NEXT GENERAL ILD TECHNICAL MEETING IN LYON (April 24-28):

- A preliminary agenda of the technical sessions has been posted on the indico site. Some talks will have to be re-arranged to optimize the schedules and make best use of available time.
- Claude will contact the calorimeter conveners to trigger preparation of the calorimeter-oriented talks of all sessions.
- Conveners have to provide the speakers for the subdetector session of Wednesday afternoon.

NEXT VIDYO MEETING:

- Between 18th and 21st April, 10:00 Paris time, doodle to be distributed.

SUMMARY OF SHORT TERM ACTIONS (until next meeting) :

- Check access of VFS and Iron Instrumentation librarians to their subdetectors confluence sections (Karsten) and define calorimeter librarians.
- Start ILD reference document (early April discussion between Roman and Karsten)
- Send Christoph Berriaud info on beam pipe dead materials (Karsten)
- French-DESY expert meeting on calorimeter wheels mechanical simulations (April 13)
- Check the preparation of the Lyon meeting with the calorimeter conveners and finalize agenda (Claude)