

SUMMARY OF THE TECHNICAL CONVENERS MEETING OF 18 April 2017

Present: Karsten, Akira, Matthew, Roman, Felix, Akimasa, Sergei, Claude.

INTERFACE DOCUMENTS

- Roman and Karsten have posted on confluence a preliminary version of the ILD reference document for general conventions. The document will soon be cleaned up and complemented with some legal Japanese restrictions related to material uses and safety aspects.
- Roman raises the issue of the cross-reference of figures between engineering documents which evolve with time. Karsten will check the functionalities of EDMS.

ANTI-DID TASKFORCE FOLLOW-UP

- Information about dead material around the beampipe has been sent to Christophe Berriaud for the design of the small anti-DID coil option. There were also exchanges about the B field values and synchrotron radiation effects.
- Toshiaki recently reminded that the anti-DID field may have a non negligible effect on the luminosity due to the spreading of the beam. This is documented in a 10-years old SLAC note now stored on confluence.

VT TASKFORCE FOLLOW-UP:

- An expert meeting took place on April 13th to exchange information on the LLR and DESY results on mechanical computations. DESY is still focusing on mechanical computations but LLR showed new results for static computations of full ECAL+HCAL wheels in both the Videau and TESLA configurations.
- The discussions were very useful to clarify many technical points such as support configurations, as well as issues related to the 2 possible detection technologies.
- Further exchanges between the 2 groups are expected in the coming weeks to make sure that both groups use the same Videau and TESLA description files and to allow cross-checks of the computation tools.

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

- The agenda of the technical sessions is quasi-final.
- The following speakers still need to be defined or confirmed:
 - Detector software Wednesday morning: VERTEX/TPC/VFS/MUONS and hybrid simulation
 - Detector hardware Wednesday afternoon: VERTEX/TRACKING/ECAL/VFS/Iron Instrumentation
 - Anti-DID Taskforce Thursday morning: small antiDID/BG simulations
 - VT Taskforce Thursday afternoon: Videau talks (Mechanical computation, cracks, signal path)
- A Technical Conveners meeting is scheduled on Thursday morning 10:00.

NEXT VIDYO MEETING:

- Between 30th May and 2nd June, 10:00 Paris time, doodle to be distributed.

SUMMARY OF SHORT TERM ACTIONS (until next meeting) :

- Clean-up ILD reference document and complement it with Japanese regulations (CDI)
- Further exchanges between French and DESY experts for the calorimeter wheels mechanical simulations
- Finalize technical speakers of the Lyon meeting.