



ILD Status

ILD Meeting

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Lyon Follow Up



See presentations by Frank and Claude

- Open issues as of Lyon:
- HCAL geometry
- Change request from the ECAL on size
- VTX geometry/ FCAL geometry

Note: this is only on the baseline simulation detector, not on the engineering baseline.

HCAL



- Base the main simulation on the TESLA geometry
- Use hybrid simulation to simulated side-by-side the two technologies
- Provide a full implementation of the Videau geometry and make it available centrally

FOLLOW-UP OF LYON MEETING:

Subdetector software for physics benchmark simulations

VERTEX

- Agreed in Ringberg to keep detector geometry unchanged for the moment
- Impact of cables dead material and of possible routing changes under investigation (→ see Mikael's talk)

TRACKER

- SIT pixelization agreed at digitization level, requirements and feasibility of bunch tagging under discussion
- Impact of ECAL change request on endcap gap (e.g. TPC services) under study.

CALORIMETERS

- Agreed to implement the ECAL change request by taking the additional ~3cm depth in the inner directions for both small and large ILD models. Implications for the endcap under study

VFS

- SDHCAL digitizer under development for DD4HEP
- Progress in beam-beam BG simulations, differences with previous results being studied

RINGBERG LC VERTEX DETECTOR WORKSHOP

<https://agenda.linearcollider.org/event/7450/>

- Many discussions and technology reviews between groups oriented towards e^+e^- linear colliders
- 10-page summary being written, draft expected in a few weeks
- Decision to set up a light vertex R&D international consortium focused on high-precision/low power vertex detectors (requirements orthogonal to current LHC- developments)

SLAC meeting



- ILD talk: Dimitra Tsionou, DESY
- Institute Assembly: Tuesday, at 7:00 am SLAC meeting
- ILD day Friday from 9-16 hours (agenda is now on the WEB)