




Report on ILD


Ties Behnke


02.10.2018

Today's Agenda



ILD group meeting 



 Tuesday Oct 2, 2018, 2:00 PM → 4:00 PM Europe/Zurich

 Vidyo



Description To join the meeting please use the following link: <https://vidyoportal.cern.ch/join/FuJQ3UdWXg>

Meeting room extension: 10742141



Name of the meeting room: ILD_Misc

2:00 PM → 2:10 PM **Report by the spokesperson**  10m 

Speaker: Ties Behnke (DESY)

2:10 PM → 2:25 PM **Report by the physics coordinator**  15m 

Speaker: Keisuke Fujii

2:25 PM → 2:40 PM **Report by the Software Coordinator**  15m 

Speaker: Frank Gaede

ILD: General News



- Preparations for Arlington:
 - ILD talk (Monday): Jenny List
 - ILD meeting on Wednesday afternoon
 - ILD Institute Assembly most likely on Wednesday morning
- Pre-meeting (benchmarking days) on the weekend before LCWS
 - <https://agenda.linearcollider.org/event/8011/>

NEWS FROM TECHNICAL GROUPS



Subdetectors:

- **Vertex:** CMOS MIMOSIS-0 prototype chip under test in Strasbourg
- **TPC:** new micromegas layout beam-tested in DESY
- **Si-ECAL:** successful beam test in DESY including first RO plane built in Kyushu
- **AHCAL:** successful 2nd beam test at CERN with improved beam conditions

Integration:

- New excel file to collect requests for cavern utilities distributed to subdetectors by Yasuhiro, answers requested for early November.

Background simulations:

- GEANT tracking parameter “delta_chord” identified as critical for amount of back-scattering by Daniel Jeans, may explain discrepancies in BG simulations → more details in software report.

IDR:

- First draft text received from Si-ECAL, more expected until Arlington.
- First draft of LCC PD R&D Liaison Report released, discussions foreseen with Maxim Titov to synchronize its content with the IDR technical content.

ILD: the 2018 meeting route



- Regular ILD phone meetings: usually first Tuesday each month
- Regular bi-weekly software / analysis meetings each on Wednesday
- Convener meetings are happening regularly
- ET meets bi-weekly: minutes are on confluence

ILD preparing the IDR



IDR: a comprehensive document on ILD, describing its overall layout, philosophy, technical details, etc.

Should be so Little progress since last meeting, we need to get going. until now.

If ILC goes a Arlington will be a chance to really pick up speed.

If ILC is stalled, this will be a documentation of the work we have done

Confluence:

<https://confluence.desy.de/display/ILD/The+ILD+Design+Report%2C+IDR>

overleaf: <https://v2.overleaf.com/read/jrxfbssqfqs>

Access to svn: <https://svnsrv.desy.de/basic/ILDIDR> ILDReader@desy.de, ILD2018

Summary



- A lot of activity in the analysis side (benchmarking)
- Little activities elsewhere, we are all waiting for a decision what is going to happen with the ILC

Backup: a reminder



European Strategy



What is planned from the ILC to contribute to the ESU:

1. 10-page document on the overall project status
 1. Accelerator
 2. Physics
 3. Editor Jim Brau
2. 10-page document on the European Perspective
 1. Summary of European Action plan
 2. European role in detectors
 3. Editors Steinar Stapnes, Juan Fuster
3. 10-page document on ILD
 1. The ILD detector
 2. Technologies in ILD
 3. The ILD community

More extensive backup document
written by Mike Peskin et al. (80 pages)

Full European Action plan as backup

ILD contribution to the ESU



Short document, 10 pages at most

Need updated list of ILD members:

- Soon request will go out to all of you to confirm / update your ILD membership and list of ILD members
- Please advertise ILD: we should show our strength

Need updated list of “who is interested in which part of ILD”

IDR Schedule



Technical setup	June 2018	Done
Editor definition	July 2018	Ongoing
Document outline	May 2018	Done
First section draft	September 30, 2018	
Editing and iteration phase	Until December 2018	
Reading and commenting ILD wide	Until February 2019	
Finalisation	March 2019	

ILD-ESU Schedule



Technical setup	June 2018	Done
Editors defined	May 2018	Done
Structure defined	June 2018	Done
First draft version	July 2018	missed
First public version	September 30, 2018	
Finalization	November 2018	
Submit to ESU	18.12.2018	