



Report on ILD

Ties Behnke

04.09.2018

Today's Agenda



ILD group meeting

Tuesday 4 Sep 2018, 14:00 → 16:00 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



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|-------|---------|--|-------|
| 14:00 | → 14:10 | Report by the spokesperson
Speaker: Ties Behnke (DESY) | ⌚ 10m |
| 14:10 | → 14:25 | Report by the physics coordinator
Speaker: Keisuke Fujii | ⌚ 15m |
| 14:25 | → 14:40 | Report by the Software Coordinator
Speaker: Frank Gaede | ⌚ 15m |
| 14:40 | → 14:55 | Report by the technical coordinator | ⌚ 15m |
| 14:55 | → 15:15 | Status of ILD benchmark analyses
Speaker: Jenny List (Deutsches Elektronen-Synchrotron (DE)) | ⌚ 20m |

ILD: General News



In general: Level of ILD activities is low, recovering still from summer

This fall the focus for ILD will be on the IDR:

- Write the contributions
- Re-evaluate the costing
- Push benchmarking

R&D: (“ not ILD”)

- Still significant activities
- Great progress in several areas, e.g. calorimetry, with several successful test beams
- Integration effort is continuing.

News from the technical group

Background simulations:

- “Incremental progress” from Daniel Jeans, expected to be presented in a future software&physics meeting

Integration:

- Mini integration workshop scheduled at KEK on November 29: <https://agenda.linearcollider.org/event/7976/>
- New excel file to collect subdetector requests for cavern utilities expected 3rd week of September, to be distributed to subdetectors

Costing:

- Vidyo kickoff meeting of the costing group held on July 12th to fix the general costing methods
- Visits from Henri Videau to various groups foreseen to trigger the WBS updates

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

- Benchmark days: just before LCWS2018 meeting, in Arlington
- <https://agenda.linearcollider.org/event/8011/>

- Next ILD in person meeting: during LCWS 2018 in Arlington

ILD meeting in Arlington



ILD benchmark days: 19-21 October 2018

ILD meeting during LCWS2018: Wednesday afternoon, ca 14:00 – 18:00 hours

- Status of preparations for the IDR
- Open issues
- Costing
- Report from the benchmarking days

ILD preparing the IDR



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

Should be self contained, and document the work we have done until now.

If ILC goes ahead, this will be the basis for our next steps

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/jrxfbssqfgs>

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

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	