



Report on ILD

Ties Behnke

05.2.2019

Today's Agenda



ILD group meeting

Tuesday Feb 5, 2019, 2:00 PM → 4:00 PM Europe/Zurich

Vidyo

Description To join the meeting please use the following link: <https://vidyoportal.cern.ch/join/fq7BsumcBU>

Name of the meeting room: ILD_Misc

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

Speaker: Ties Behnke (DESY)

⌚ 10m

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

Speaker: Keisuke Fujii

⌚ 15m

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

Speaker: Frank Gaede

⌚ 15m

2:40 PM → 3:00 PM **Paper report: Kinematic Edge Detection Using Finite Impulse Response Filters**

Speaker: Madalina Chera (DESY)

⌚ 20m

3:00 PM → 3:20 PM **Paper report: ee→bb analysis at 250 GeV**

Speaker: Adrian Irlles (LAL)

⌚ 20m

ILD 2019



- Upcoming ILD meeting in KEK on Feb 26 and 27, 2019
- Second benchmarking days on Feb 23-25, 2019, also at KEK
- Goal of the ILD meeting:
 - Discuss the state of ILD just before we start to write/ finalise the IDR
 - Understand the progress in optimization
 - Discuss plans for ILD in the future

ILD meeting 2019



Tuesday: 9:30 – 19:00 (approx)

- ILD subdetector status
- General plenary discussions: news from Japan, etc etc
- Discussion: The future of ILD

ILD dinner in the evening

Wednesday

- ILD integration and overall technical issues
- Benchmarking status
- ILD Costing
- IDR Status and plans
- General discussion

ILD ESU contributions



ILD document was submitted to ESU on December 18 on time

- available on <https://www.overleaf.com/read/tqfjghmdjrzp>
- Presentation of the document at the last ILD phone meeting, on December 10
- Plan to submit the document to the archive: review procedure for an ILD paper has started in ILD prior to publishing the paper on the archive

Short contributions on ILD in several documents:

- The International Linear Collider: An European Perspective
- A longer section on ILD in the supporting document, detailing the information in the two 10-page documents submitted by ILC:
- All documents are visible under <https://www.overleaf.com/read/ksdtxsgdjpkb>

NEWS FROM TECHNICAL GROUPS

Subdetectors:

- Si-ECAL: first cosmic tests of an ASU with Chip-on-Board PCB

Integration:

- Si-ECAL cabling scheme finalized and cabling design now ongoing with other subdetectors
- Integration taskforce meeting organized at DESY on 11-12 February:
<https://agenda.linearcollider.org/event/8126/>
Summary to be presented at the KEK ILD general meeting

Background simulations:

- VFS group is organizing a revisit of forward detectors response with the new beam
BG samples simulated by Daniel Jeans.

IDR:

- Editing of general content of technical chapters is now proceeding full swing (Karsten&Claude)
- Latest status on global aspects expected from integration meeting next week
- Latest status from subdetectors technologies will be given in detailed presentations at the KEK ILD general meeting

IDR Status



IDR available on overleaf: <https://www.overleaf.com/read/jrxfbssqfqs>

We are still developing an optimised way how to work on the IDR as a group:

- Overleaf for “everyone” as an easy interface
- Git version for experts and those who want to work offline
- Technical issues are still worked out.

Editing of the IDR has started in earnest, people are invited to submit material to IDR on the different sections.

Names / editors for all sections are defined and visible in the text.

ILD@2019



IDR is an ambitious goal, but very useful for us and for the community

We should make every effort to finish the IDR within the first 6 month of 2019

Depending on the signals from Japan, 2019 will be the year to shape the future of ILD and the next steps: discussion at the KEK meeting in Japan.

Hope to see many of you in Japan end of February!