



# Report on ILD


Ties Behnke


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# Today's Agenda











## ILD group meeting

 Tuesday Jul 3, 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/qxDDTRe6I2>

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<b>2:00 PM</b> → 2:15 PM	<b>Report by the spokesperson</b> <b>Speaker:</b> Ties Behnke (DESY)	 15m 
<b>2:15 PM</b> → 2:30 PM	<b>Report by the physics coordinator</b> <b>Speaker:</b> Keisuke Fujii	 15m 
<b>2:30 PM</b> → 2:45 PM	<b>Report by the Software Coordinator</b> <b>Speaker:</b> Frank Gaede	 15m 
<b>2:45 PM</b> → 3:05 PM	<b>Kinematic Edge Detection Using Finite Impulse Response Filters</b> <b>Speaker:</b> Madalina Chera (DESY)	 20m 

# News from the technical groups



## Subdetectors:

- Progress of FTD thermomechanical mockup
- SiW ECAL prototype under beam test at DESY: includes one new long slab (1.6m) and one slab built by Kyushu.
- AHCAL 1m<sup>3</sup> prototype again under beam test at CERN

## Integration:

- Ongoing investigation of electronics cabling for ECAL, will soon be propagated to all subdetectors for definition of the ILD internal service paths.
- New excel file to be distributed to subdetectors to collect requests for cavern utilities.
- TESLA model implemented in the current ILD baseline dimensions for dynamical simulations, will allow cross-checks between LLR and DESY.
- Subdetector occupancies and data sizes being studied in relation with beam BG simulations.

## Costing:

- Vidyo meeting of costing group scheduled next week

# 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 meeting: just before LCWS2018 meeting, in Arlington
  
- Next ILD in person meeting: during LCWS 2018 in Arlington, details to be defined

# 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

# ILD preparing the IDR



Instructions on working on / with the IDR:

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

Access to overleaf: <https://v2.overleaf.com/read/jrxfbssqfgs>

Access to svn: <https://svnsrv.desy.de/basic/ILDIDR>  
ILDRreader@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

Discussion with SiD is ongoing how to coordinate this.



# 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	
First public version	September 30, 2018	
Finalization	November 2018	
Submit to ESU	18.12.2018	