

ILD Status and News

Ties Behnke/ Kiyotomo Kawagoe

7.5.2024

ILD group meeting

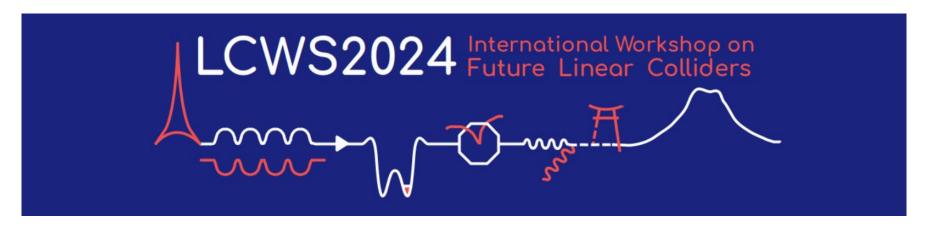
Agenda

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ILD group meeting
  III Tuesday 7 May 2024, 14:00 → 15:30 Europe/Berlin
        Description Zoom link: https://desy.zoom.us/j/65521775393?pwd=S3B6eGxRNGQ1NnozZ205Tm9Sb2FRQT09
                    Meeting ID: 655 2177 5393
                    Passcode: ILD
14:00 → 14:10 Introduction/ general news
                Speaker: Ties Behnke
14:10 \rightarrow 14:20 Report from the PSB
                Speaker: Ivanka Bozovic Jelisavcic (Vinca Institute of Nuclear Sciences Belgrade)
14:20 → 14:40 ILD contribution to the ESU
                Speaker: ILD ET
14:40 → 15:10 edm4hep: Status
                Speaker: Thomas Madlener (Deutsches Elektronen-Synchrotron (DE))
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LCWS 2024

Tokyo:

https://agenda.linearcollider.org/event/10134/program



Possibility for satellite meeting on Friday, July 12

• Will organize an ILD "get-together" / discussion session on Friday afternoon, Tokyo time

ECFA Higgs factory 2024

2024 ECFA Workshop on e+e- Higgs/EWK/top factories

Dear colleagues,

We are pleased to announce that the 2024 ECFA Workshop on e+e- Higgs/EWK/top factories will take place on **October 9-11 in Paris**, **France**. The current announcement is being sent out now so you can include this important workshop, which will likely be the last in the HET factory series, in your planning. Further information on the venue, the workshop fee, and registration instructions will be sent in due course.

Plan: have an ILD meeting on Tuesday afternoon of this week, in Paris

- Preparation of the ESU input
- Update of ILD and progress
- Details to be announced

ILD in summer 2024

- ILD members very active in several major conferences in 2024
- See report by Ivanka on the activities of the PSB and talks scheduled

European Strategy

- Recent decision by CERN Council: accelerate the European Strategy process
 - March 2025: submission deadline for material for the strategy
 - July 2025: Meeting of the community ("Granda style meeting")
 - Feb 2026: Strategy group retreat
 - Summer 2026: decision on strategy by Council

Contribution by ILD to ESU

- As last time, we propose to submit a (short) document which summarises the ILD concept and its role as a platform to perform integrated detector development and science studies for a range of Higgs factory options.
- In addition prepare one document which summarise ILD@FCC (circular collider)
 and the modifications needed
 - Document where we stand
 - This will also serve as a clear statement towards FCC and the ambition of ILD to contribute there

The ILD contribution to the last ESU

DESY 19-215

The ILD Detector at the ILC

(The ILD Detector Groupa)

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Daniel will start an update of the author list soon

Structure of the Paper

- Introduction
- The ILD detector: requirements
- The Implementation of the ILD detector
 - Vertexing
 - Tracking
 - Calorimeter
 - Forward
 - Integration
- Science with ILD
- Integration of ILD
- The ILD concept group

The fundamental structure is probably fine, but the focuse purely on ILC should change

ILD@FCC

- Propose a second paper to document the ILD detector at FCC
- Outline of the current ILD detector
- Tracking in a high lumi/ high intensity environment
- Particle flow calorimetery
- Integratino of the interaction region at a circular collider
- Detector Integration
- Computing for FCC and ILD
- The ILD concept at FCC: an integrated detector concept