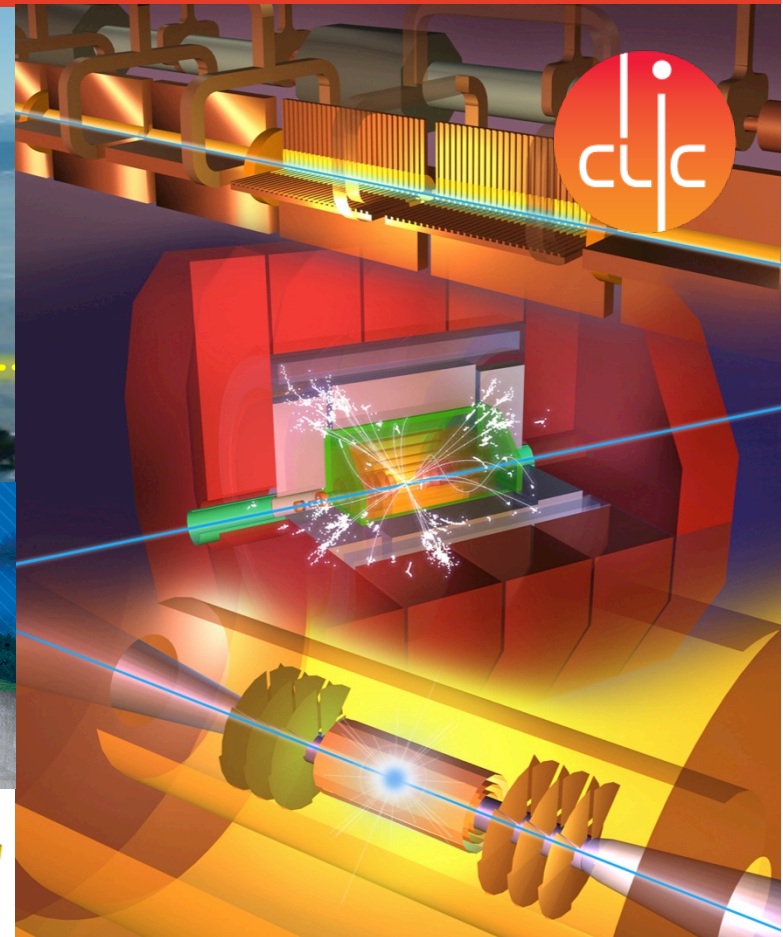


ECFA Higgs Factory activities



European LC Meeting, 5th July 2023

Aidan Robson

Since the last European LC community meeting...:

WG3 Detector Technologies

Topical workshop on Vertexing & Tracking

30-31 May 2023 – CERN + hybrid

<https://indico.cern.ch/event/1264807/>

Bridging DRDs and detector concepts

WG2 Physics Analysis Methods

2nd Topical Meeting on Generators (with WG1)

21-22 June 2023 – Brussels + hybrid

<https://indico.cern.ch/event/1266492/>

Concrete initiatives emerging:
Generator technical benchmarking
Beam spectrum library

WG1 Physics Programme

Convener workshop on Focus Topics

27-28 June 2023 – CERN + hybrid

Focus topics 'expert teams' appointed
and underway defining work plans
-> will be a main feature of the
October workshop

Forthcoming:

WG2 Physics Analysis Methods

2nd Topical Meeting on Reconstruction

– focusing on higher-level tools

11-12 July – CERN + hybrid

<https://indico.cern.ch/event/1283129/>

*All activities linked from the main page of
the study:*

<https://indico.cern.ch/event/1044297/>

2nd ECFA Workshop, Paestum 11–13 October 2023

- ◆ Hosted by INFN Napoli, Università degli Studi di Napoli Federico II & Università degli Studi di Napoli Parthenope

- ◆ **Abstracts for parallel talks & posters: submission deadline 15th July:**
<https://agenda.infn.it/event/34841/>

SECOND • ECFA • WORKSHOP on e^+e^- Higgs / Electroweak / Top Factories

11-13 October 2023
Paestum / Salerno / Italy

Topics:

- Physics potential of future Higgs and electroweak/top factories
- Required precision (experimental and theoretical)
- EFT (global) interpretation of Higgs factory measurements
- Reconstruction and simulation
- Software
- Detector R&D

The European Committee for Future Accelerators (ECFA) organises a series of workshops on physics studies, experiment design and detector technologies towards a future electron-positron Higgs/electroweak/Top factory.

The aim is to bring together the efforts of various e^+e^- projects, to share challenges and expertise, to explore synergies, and to respond coherently to this high-priority item of the European Strategy for Particle Physics

- ◆ Low cost (€460 full board, single-room accommodation) → encourage wide participation especially among early-career researchers
- ◆ Outline agenda available on indico site – intended as real ‘working’ workshop with plenty of discussion time
- ◆ Software tutorial on 10th October before main workshop – **please register for this by 15th July**

Everyone is encouraged to come!

- ◆ Programme cttte:
Patrick Koppenburg, Jenny List, Fabio Maltoni, Jorge de Blas
Patrizia Azzi, Fulvio Piccinini, Dirk Zerwas
Mary Cruz Fouz, Giovanni Marchiori, Felix Sefkow
Christos Leonidopoulos, Aidan Robson