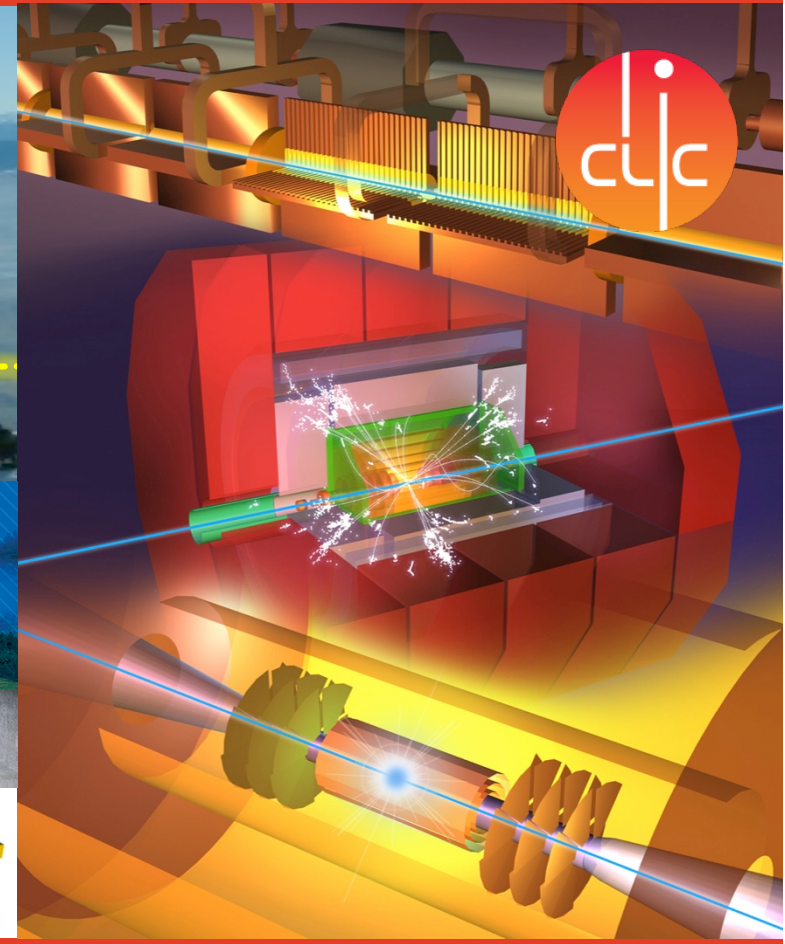


ECFA studies towards an e^+e^- Higgs/EWK/top factory



ILC Europe, 8 February 2023
Aidan Robson, University of Glasgow

Forthcoming activities

Main entry point:

<https://indico.cern.ch/event/1044297/page/22669-overview>

◆ WG1: Physics programme

Forthcoming in February:

10/2/23 (afternoon) WG1-THE (Higgs/Top/EWK)
Mini-workshop on e+e- physics at 125 & 160 GeV

<https://indico.cern.ch/event/1240786/>

17/2/23 (morning) WG1-SRCH (Direct searches: weakly-interacting, directly accessible particles)
Heavy Neutral Lepton search potential of future HET factories

<https://indico.cern.ch/event/1242038/>

◆ WG2: Physics analysis methods

Forthcoming in spring:

2nd Topical Meeting on Generators

2nd Topical Meeting on Reconstruction
– focusing on higher-level tools

◆ WG3: Detector technologies

Forthcoming in spring:

Workshops on: – Calorimetry
– Vertex & Tracking

Also coming soon:

Launch of 'focus topics' intended to bring people together across projects and create critical mass for attracting new effort.

–> have been worked on intensively
by all coordinators and conveners

Call to host ECFA workshop 2023

- ◆ Call was sent out in January for host proposals for ECFA workshop 2023
- ◆ Distributed via national ECFA delegates – it should have been circulated in national communities

Universities, laboratories, or consortia are now cordially invited to propose themselves as hosts of the autumn 2023 workshop, expected to take place over three full days in October. An outline of the requirements is given below.

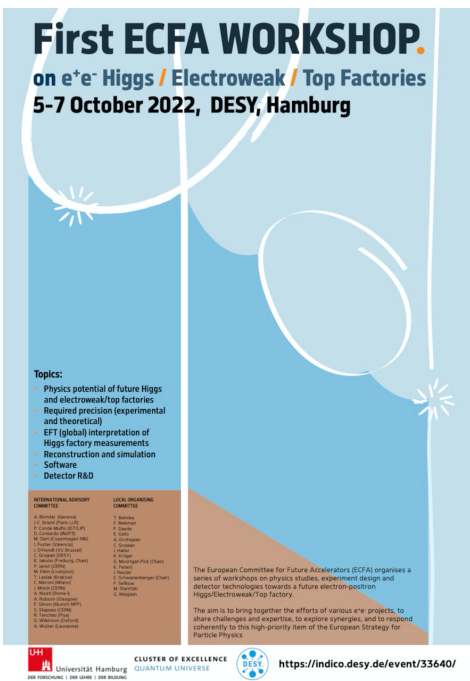
Potential hosts are asked please to register an initial interest with the ECFA Secretary, Patricia Conde Muíño (patricia.conde.muino@cern.ch), by Wednesday 1st February, with full proposals to follow by Wednesday 15th February.

Many thanks and best wishes,
Karl Jakobs, Patricia Conde Muíño, Aidan Robson for the IAC

Workshop parameters:

- Potential dates: Wed 11 - Fri 13 October, or Wed 25 - Fri 27 October (three full days);
- Capacity: ~250 attending in-person; facilities for remote participation;
- Venues: rooms for four parallel sessions (capacity ~ 60 people) for Wednesday and Thursday afternoons, the remainder of the workshop to be plenary;
- It would be appreciated if small satellite meetings could be possible during the day before the workshop;
- Good projection, network and video-conferencing facilities should be guaranteed;
- Please state the approximate accommodation costs as well as the availability of cheap accommodation;
- We would like to stress the importance of a modest financial frame, so that as many people as possible, including students and early career researchers, can attend.

→ Not too late to contact Patricia in case of interest in hosting



First ECFA WORKSHOP.
on e⁺e⁻ Higgs / Electroweak / Top Factories
5-7 October 2022, DESY, Hamburg

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

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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.

DESY
HAMBURG
CLUSTER OF EXCELLENCE QUANTUM UNIVERSITY
https://indico.desy.de/event/33640/