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# ECFA ECR perspective

— Armin Ilg and Lydia Brenner —

For the ECFA Early-Career Researchers Panel

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# 2020 Update of the European Strategy for Particle Physics

Year-long process, [20 strategy statements](#), most important probably:

$e^+e^-$  Higgs factory as highest-priority next collider with long term ambition for proton-proton collider at the highest achievable energy

But there is also this statement:

Particle physics, with its fundamental questions and technological innovations, attracts bright young minds. Their **education and training** are crucial for the needs of the field and of society at large. For **early-career researchers** to thrive, the particle physics community should place strong emphasis on their **supervision and training**. Additional measures should be taken in large collaborations to **increase the recognition of individuals developing and maintaining experiments, computing and software**. The particle physics community commits to placing the principles of **equality, diversity and inclusion** at the heart of all its activities.

# Short history of ECFA ECR

The ECFA ECR panel was created as a follow-up to the [ECFA Early-Career Researchers input to the 2020 Update of the European Strategy for Particle Physics](#) (rather ad-hoc, not a panel)

*The objective of the [ECFA Early-Career Researchers \(ECR\) Panel](#) is for its members to discuss all aspects that contribute in a broad sense to the **future of the research field of particle physics**. In its advisory role to ECFA, the panel reports to ECFA on a regular basis. An annual report of the ECFA ECR Panel is added as a standing item to the agenda of Plenary ECFA meetings.*

→ The ECFA ECR panel is tightly linked with the Update of the European Strategy → Next time we should be in the loop from the very beginning

# ECFA ECR Panel composition and activities

- 75 [delegates](#), 3 from each ECFA country and each major laboratory
  - 5 delegates in Plenary ECFA, 1 delegate in Restricted ECFA
  - From PhD students to young assistant professors
  - Theoreticians, phenomenologists and experimentalists

→ Diversity in cultural background, career and research, trying to represent the whole community

Working groups so far

- Career Prospects and Diversity in Physics, Electron-ion colliders, Detector R&D  
Networking, Instrumentation R&D, Software/ML applications for future colliders

Activities: See [summary of 2021-2022](#), largest activity probably [ECFA Early-Career Researcher Survey on Training in Instrumentation](#)

# New working group: Future colliders WG

Goal: Inform ECRs about future collider options and development, enabling them to **shape their own vision on future colliders**

Planning a one-day hybrid meeting at CERN for ECRs:

*Future colliders for early-career researchers* (name not final!)

- Short presentations on prospects, lots of time for discussions
- Can serve as reference information for ECRs about future colliders

Follow-up with national, in-person events on future colliders, for which a blueprint will be presented, directing discussions into the ECFA countries

Takes place **September 27th at CERN** before the November PECFA meeting

# Draft agenda ECR event

Event will include

- Central talks
- Poster session where people can showcase their work on future colliders

The event will be advertised widely, best to [subscribe to ecfa-ecr-announcements e-group](#) to make sure you get notified!

## Timetable

< Wed 27/09

09:00	<b>Introduction</b>  <i>CERN</i>
10:00	<b>Coffee</b> <i>CERN</i>
11:00	<b>Challenges</b>  <i>CERN</i>
12:00	
13:00	<b>Lunch including poster session</b>  <i>CERN</i>

13:00

**Lunch including poster session**

*CERN*

14:00

**Different viewpoints**

*CERN*

15:00

16:00

**Coffee**

*CERN*

17:00

**People and Money**

*CERN*

18:00

**Conclusions and closing remarks**

*CERN*