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# ECFA-wide event on future colliders

Armin Ilg

For the Future Colliders WG

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ECFA ECR Panel meeting of June 2023

# 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**

Working group formation coinciding with strong desire of CERN Council and RECFA to strengthen involvement of ECRs in future collider discussions

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

*Future Colliders for Early-Career Researchers* (better ideas?)

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

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

<https://indico.cern.ch/event/1293507/>

# Draft agenda ECFA-wide event

Event will include

- Central talks
- Plenty of time for discussions
- Poster session where people can showcase their work on future colliders (given money for standing lunch available)

The event will be advertised widely, please help us in doing so! Invitation email [here](#)

## Timetable

< Wed 27/09

09:00 Introduction

CERN

Coffee

CERN

11:00 Challenges

CERN

13:00 Lunch including poster session

CERN

13:00

Lunch including poster session

CERN

14:00

Different viewpoints

15:00

CERN

16:00

Coffee

CERN

17:00

People and Money

CERN

18:00

Conclusions and closing remarks

CERN

# Sessions planned so far (not final!)

## Introduction (Lydia, Laurent)

- Intro to the event
- ECFA Vision
- Physics landscape
- Comparison between different FCs
- Sustainability of FCs

## Challenges (Armin, Marko)

- Input from accelerator physicists
- Detector technologies and challenges
- Theory challenges
- Software + Computing challenges

## Different viewpoints (Emanuele, Giuseppe)

- Theory
- Low-energy physics
- Cosmic/astro-particle physics
- Beam dump experiments
- Heavy ion

## People and money (Lydia, Armin, Emanuele)

- Time scales: Impact on ECRs
- European/CERN funding Landscape & Lessons learned from the LHC
- Socio-Economic Impact

**If you have ideas for speakers for these talks or suggestions on what should be changed/added, contact the session conveners or [ecfa-ecr-future-colliders@cern.ch](mailto:ecfa-ecr-future-colliders@cern.ch)!**

# From ECFA to the national communities

Follow-up the ECFA-wide event with national, in-person events on future colliders,, directing discussions into the ECFA countries (see next talk from Lydia)