

Early Career Researchers' panel report

Setkání CZ HEP komunity 2022

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10. January 2022

What is ECR ECFA panel

- **Mandate of ECFA Early-Career Researcher Panel**

The objective of the ECFA Early-Career Researcher (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...

(see <https://ecfa.web.cern.ch/mandate-ecfa-early-career-researcher-panel>)

- **Agreed at the Plenary ECFA on 13 July 2020, debate among early-career researchers started already in November 2019** (see output on the update of the European Strategy for Particle Physics: <https://arxiv.org/pdf/2002.02837.pdf>)
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Who we are

75 members (see <https://ecfa.web.cern.ch/ecfa-early-career-researchers-panel>)

- Various HEP research fields
 - From PhD students to young assistant professors
 - Usually 2-3 representatives per country/major laboratory
 - 5 PECFA observers (see <https://ecfa.web.cern.ch/plenary-ecfa-composition>)
 - 1 RECFA observers (see <https://ecfa.web.cern.ch/restricted-ecfa-composition>)
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Representatives of the ECR panel for Czech republic



- **Kamil Augsten:** FNSPE CTU, researcher, hadron structure (GPD), top quark physics



- **Katarína Křížková Gajdošová:** FNSPE CTU / CERN, assistant professor / fellow, high-energy heavy-ion physics, quark-gluon plasma



- **Kateřina Jarkovská:** MFF UK, PhD student, Beyond Standard model Phenomenology
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ECR ECFA activities

- **Operational structure was established** including nomination of PECFA & RECFA observers, creation of Organization Committee and decision to form working groups. ECR ECFA will meet 3-4 times per year (~January, May/June, September, October).
- **Horizon Europe budget (December 2020):** The ECR ECFA expresses its great concern about Horizon Europe's budget for frontier research and it supports #RescueHorizonEurope Campaign.

(see <https://ecfa.web.cern.ch/rescuehorizoneurope-campaign>)

ECR ECFA activities

- **Detector R&D committee:** On request of ECFA panel Detector R&D Roadmap the ECFA ECR took interest in Detector R&D.
 - Townhall held on Early Career Prospects on Training in Instrumentation, see <https://indico.cern.ch/event/1021159>.
 - Results of the 2021 ECFA Early-Career Researcher Survey on Training in Instrumentation can be found on <https://arxiv.org/abs/2107.05739>. It showed great enthusiasm for instrumentation work within ECFA ECR and highlighted concerns of ECRs (impact on career progression, (lack of) recognition and availability of networking opportunities).
 - Survey results were presented at ECFA Detector R&D Roadmap Symposium of Task Force 9 Training, see <https://indico.cern.ch/event/1001747>.
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What is ahead of us

There are few working groups whose work is in progress:

- **Networking for ECRs in Instrumentation**: continue discussions based on the results of the survey on Training in Instrumentation,
- **Career prospects: getting out of the limbo**: consider all important aspects of ECR career development,
- **Electron-Ion Colliders**: to raise awareness about foreseen Electron-Ion colliders,
- **Diversity in European strategy for particle physics (aka Diversity in Physics Programme)**: promote diversity (smaller experiments, groups, laboratories) in physics programme in Europe.

A couple of more working groups were created (mainly physics theme related), but they are inactive for now.
