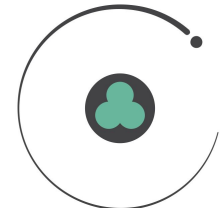
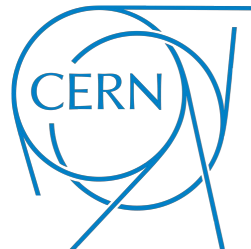


Update on activities in the ECFA-ECR panel

Lydia Brenner and Henning Kirschenmann
on behalf of the ECFA ECR panel



HELSINKI INSTITUTE
OF PHYSICS



Introduction

- ECR panel started operations in early 2021
 - Mandate defined PECFA 13 July 2020
 - Currently 74 members from 27 countries and 3 major laboratories (to be phased out to only CERN as a separate lab next year, when current mandates expire)
 - Welcomed three new members for 2022 (and thanked + said farewell to four previous members)
- Defined panel structure and started activities
 - Hold 3-4 meetings per year:
 - January - to review and plan for the year
 - May / June - ahead of PECFA meeting in July
 - September - ahead of PECFA meeting in November, can be extended to (in-person) workshop
 - October - if needed
 - Meetings are handled by the Organization Committee
- Formed a dynamic set of interest-driven working groups
- Produced an arXiv report on ECR perspectives on training in instrumentation: <https://arxiv.org/abs/2107.05739>

Working groups

- **Networking for ECRs in Instrumentation**

To establish new networking opportunities, often missing according to ECFA ECR Detector R&D Roadmap survey ([arXiv:physics.ins-det/2107.05739](https://arxiv.org/abs/physics.ins-det/2107.05739))

This WG would like to organize a series of events bringing together senior and early career physicists working in instrumentation in order to:

- Learn from successes of those who have built a career in instrumentation
- Discuss concrete ideas to improve the landscape for future instrumentation workforce
- Network with fellow early career researchers in instrumentation

First event: Panel discussion (on zoom) in October 2022

New resource: [Collection of schools for instrumentation ECRs \(worldwide\)](#)

- **Electron-Ion Colliders**

To raise awareness of EIC physics and to mutually benefit from a synergy with other ECRs working on accepted/foreseen EIC projects

- **Career prospects: Getting out of the limbo**

To discuss all important aspects of ECR career development

- **Diversity in Physics Programme**

To promote diversity in European experimental programmes and to recognise problems regarding life of ECRs in small scientific communities

Goal is to aim for reports, similar to last year's "ECR perspectives on training in instrumentation" to focus effort

Survey on career prospects and diversity in physics programme

Taking the time to prepare a robust survey

- Many possible topics and questions, but need to keep it manageable to answer
 - Avoid getting many different but related questionnaires from the ECR panel
- Easy to inject own biases, so taking particular care regarding the way questions are formulated
- *A subset of the survey will be split off into a second survey for senior scientists, to gather directed feedback on key questions*
- Intend to send the survey to PECFA for distribution very soon
- Aim to report results in November PECFA meeting

Structure of the survey

- Personal data
- Field of work
- Collaboration and working group
- Diversity of Physics
- Career perspective and planning
- Work-life balance
- Leaving academia
- Recognition and visibility
- Final questions, feedback and remarks

Example: What is needed for a successful career in academia?

The image shows three survey questionnaires side-by-side, each with a title and a list of factors with corresponding radio buttons for selection. The first questionnaire is titled 'What preparation do you attribute the following factors for a successful career in academia?' and lists factors like International collaboration, Professionalism, etc. The second is titled 'What part of your work and responsibilities do you feel is most central to you for the following factors for a successful career in academia?' and lists factors like International collaboration, Professionalism, etc. The third is titled 'Thinking about your academic profile, how do you feel about these points?' and lists factors like International collaboration, Professionalism, etc.

JENAS

ECFA ECR were represented in JENAS'22 seminar in Madrid in May

- Explicitly in panel discussions
- Many others have also joined



Members of our “Electron-Ion Colliders” WG joined the new [“Synergies between the Electron-Ion Collider and the Large Hadron Collider experiments”](#) group, but ECR input relevant for other JENAS activities as well:

<http://nupecc.org/jenaa/?display=eois>

Other activities

- We prepared a statement on ECR panel's view on the invasion of the Ukraine
 - This was sent to the PECFA as well as the CERN council
- We held a survey to discuss the duration of the ECR panel mandate
 - **Conclusion:** Whilst the mandate says 2+2, a majority (55%) would be in favour of 1 more year (partly as a large part of the first year was spent setting up structure) but much fewer (25%) would be in favour of a 2-year extension.
 - 2+2 is very often longer than the duration of an ECR's employment with a given institute
 - Many ECRs change institute during their term: RECFA delegates should stay in touch with ECR delegates and make sure to replenish quota

ECFA Early-Career Researchers 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. The full mandate is available [here](#).

The ECR Panel has appointed an organising committee, responsible for organising and chairing meetings, and handling outside correspondence with the ECR panel. The current members of the organising committee are:

- Gianluca Inguglia, Austrian Academy of Science
- Jan-Hendrik Ahnig, DESY
- Sarah Williams, University of Cambridge
- Steven Schwamm, University of Geneva
- Valentina Zaccaro, University and INFN, Trieste
- Xabier Cid Vidal, Instituto Galego de Física de Altas Enerxías, University of Santiago

Email contact: ecr@ecrpanel.org

News: [The ECFA ECR Panel expresses its great concern about Horizon Europe's budget for frontier research \(Dec. 14th, 2020\)](#)

Members to serve a term from 2021 to 2023:

CERN	Julien Baglio (Senior Research Fellow, theory at colliders) Lydia Bremer (Research Fellow, ATLAS) Laurent Ducloux (LD research physics position, LHCb)
Austria	Victoria Hinger (PhD student becoming postdoc, CMS detector R&D) Gianluca Inguglia (Junior Group Leader, BELLE) Sean Mee (PhD student, photon strongly interacting dark matter)
Belgium	Alexandra Lelak (postdoc - Phenomenology) Loïc Mankewa (Junior - CMS) Karel Skoponen (postdoc, CMS)
Bulgaria	Martina D'Onofrio (postdoc, CMS)
Croatia	Flip Ekmecik (postdoc, ALICE)

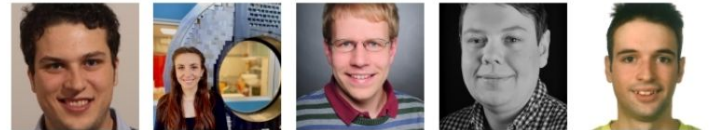
[Check composition on ECR panel page](#)

Input wanted

Outcome of discussions will be included in annual ECFA ECR Panel report

- Next full panel meeting planned for September
 - Last meeting was in June, aligned with PECFA schedule, meeting roughly a month in advance to allow for preparing inputs for PECFA as needed
- It would in general always be useful to know what PECFA plans to discuss, as we may want to discuss it within our panel

Just a small subset



Do not hesitate to contact us to get ECR's perspective on any subject

ecfa-ecr-organisers@cern.ch