





Early Career Researchers meeting @ FCC Week 2023

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30.06.2023 | 20th Future Colliders @ DESY meeting

ECR meeting @ FCC Week 2023

16:30 → 16:35	Introduction	🕒 5m
	Speaker: Sarah Louise Williams (University of Cambridge (GB))	
	 FCCweek-ECRsessi...	
16:40 → 16:45	Overview of ECFA and the European strategy	🕒 5m
	Speaker: Armin Ilg (University of Zurich)	
	 ECFA-ECR_Perspect...	
16:45 → 16:50	Overview of snowmass process in the US	🕒 5m
	Speaker: Julia Lynne Gonski (Columbia University (US))	
	 0608_jgonski_fccw...	
16:50 → 17:00	Short introductions to panellists	🕒 10m
	Each panelist will provide a short (< 2 minute) introduction to themselves, their involvement in the FCC, and their hopes and concerns about the future of HEP	
	Speakers: Abraham Tishelman-Charny (Brookhaven National Laboratory (US)), Andrey Abramov (CERN), Armin Ilg (University of Zurich), Emily Rose Howling (Univ. of Oxford University College (GB)), Julia Lynne Gonski (Columbia University (US)), Tevong You (King's College London)	
17:00 → 17:30	Moderated panel discussion	🕒 30m
	 Google doc with pa...	
17:30 → 18:00	Broader discussion [including zoom participants]	🕒 30m



[Indico agenda](#)

General impressions & key points from the discussions

- Session was well attended and well received
 - Especially by (new) PhD students whose projects are fully on FCC topics
 - Were missing such a platform before and feeling isolated (especially compared to their colleagues from LHC experiments)
- Brief introductory talks stressed positively how ECR input and importance is acknowledged and valued in the strategy planning processes, i.e.
 - All introductory plenary talks at the event mentioned crucial role of ECR
 - ECFA has [ECR panel](#) with 75 delegates from diverse backgrounds
 - Survey results and recommendations from ECR organization featured in [own chapter of the Snowmass book](#) (for the first time)

General impressions & key points from the discussions

- General tone was optimistic and enthusiastic about the future
 - FCC was identified by panelists as the most likely next collider
 - Cost-benefit analysis of FCC project most favourable
 - Does not mean that alternative options aren't needed
 - Technology does not scale even further, cannot repeat the same in the 2100s at even higher energies
 - Suggested change of our language: Less focus on new discoveries, FCC will be an exploration machine to significantly improve our understanding
 - Well aware that any future project will need united support and commitment from the ECR community

General impressions & key points from the discussions

- ... but doubts and fears were also expressed, mainly:
 - How to ensure that FCC (or any FC efforts) do not detract from LHC?
 - How does one justify working on a project that is so far ahead in the future? Will what is done now even matter in ~50 years time?
 - How to ensure continuity of knowledge and community over such a long time period? Especially when most contracts are short-term and permanent positions & funding are sparse and potentially being reduced even further due to the ongoing global crises?

ECFA ECR Future Colliders event

- ECFA ECR panel has future colliders working group and is planning hybrid event on 27.09.2023 @ CERN
- Subscribe to mailing list: ecfa-ecr-announcements

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](mailto:ecfa-ecr-announcements) to make sure you get notified!

Timetable	
Wed 27/09	
09:00	Introduction CERN
10:00	Coffee CERN
11:00	Challenges CERN
12:00	
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

[Slide from Armins talk](#)

In conclusion

In my eyes, this represents the true success of CERN – not in the discoveries, but in the inspiration and excitement it generates in each new generation. And that is why, to me, their next laboratory to explore the unknown — Future Circular Collider — represents a unique and compelling opportunity.

J. Hammersley in “CERN 2070 – The Next Generation” @ digital-science