

*Paris Sphicas
CERN & NKUA
3rd ECFA Workshop on HET Factories
Paris, October 9, 2024*

- **Closeout**
 - **Where we stand**
 - **In parallel to our meeting – the ECRs**
 - **The ESPP**
 - **How to engage in it**
 - **ECFA panel on HET factories**

Where we stand

What we have to do

- **This is the third and final workshop in the HET factory series**

- **Goals:**
 1. Review where we stand. Assess what is mature and ready to go into the Report.
 2. Define first draft of skeleton/items that will be included in the final Report
 3. Estimate what else can be completed in the next few weeks so it can be included in the Summary Report.
 4. Take the oath of finishing it all, having it approved by RECFA and submitting it in time for the March 31st deadline for contributions to the ESPP

- **A few parting words:**

Analyses/work/results that may mature on a longer timescale should not (and will not) be ignored.

There is the possibility of submitting a short addendum to our report in time for consideration at the Symposium.

Last slide from opening session

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Addressed in Aidan's talk. We are on track. Pls see deadlines

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Alternate dates also presented in Adrian's talk

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**During the HET workshop:
ECR engagement**

Early-career researcher White Paper to EPPSU

13:00

Thursday lunch

The European Particle Physics Strategy Update and the role of Early-Career Researchers (talk)	<i>Armin Ilg</i>
<i>Amphi Farabeuf, Campus des Cordeliers, Paris, Metro Odeon</i>	13:15 - 13:30
Who are we? (interactive)	<i>Emanuela Musumeci</i>
<i>Amphi Farabeuf, Campus des Cordeliers, Paris, Metro Odeon</i>	13:30 - 13:45
What is important to us for the future of particle physics in Europe? (discussion)	<i>Emanuela Musumeci</i>
<i>Amphi Farabeuf, Campus des Cordeliers, Paris, Metro Odeon</i>	13:45 - 14:10

Focus on topics relevant to ECRs, not covered in topical WGs

Zoom link will be made available

14:00

Thursday before conference dinner

Further topics for ECR White Paper input? (discussion)	<i>Leonhard Reichenbach</i>
<i>Amphi Farabeuf, Campus des Cordeliers, Paris, Metro Odeon</i>	18:30 - 18:40
Ranking of topics (interactive)	<i>Magdalena Vande Voorde</i>
<i>Amphi Farabeuf, Campus des Cordeliers, Paris, Metro Odeon</i>	18:40 - 18:55
Potential statements (discussion, if time allows)	<i>Armin Ilg</i>
<i>Amphi Farabeuf, Campus des Cordeliers, Paris, Metro Odeon</i>	18:55 - 19:05
Formation of Working Groups	<i>Armin Ilg</i>
<i>Amphi Farabeuf, Campus des Cordeliers, Paris, Metro Odeon</i>	19:05 - 19:15
Summary and next steps towards ECR White Paper input to EPPSU (talk)	
<i>Amphi Farabeuf, Campus des Cordeliers, Paris, Metro Odeon</i>	19:15 - 19:30

Subscribe to esppu-ecr@cern.ch e-group!

Join our [Mattermost channel](#) (ECRs for EPPSU 2024)!

Summary slide from ECR (credit: Armin Ilg)

Highlights of ECR White Paper to EPPSU session

Lunch and evening sessions (**dedication!**) with ~60 participants

- Lively discussions on topics to be addressed in White Paper

WGs to be formed

- Future colliders
- Sustainability
- Communicating the importance of HEP and future colliders
- Career prospects and leadership of future collider ECRs
- Interplay of HEP with neighbouring fields
- Still **open to additional WGs!**

Join eppsu-ecr@cern.ch and *ECRs for EPPSU 2024* [Mattermost channel](#)

- Now: Online WG meetings, first topical discussions
- General meeting on **14th of November @CERN and online**
 - Adjacent to [\(Open\) Plenary ECFA meeting](#)
- ... many more steps ...
- Endorsement by ECFA ECR panel, submit to EPPSU by 31.03.2025
- Follow White Paper throughout EPPSU
 - e.g @ [Open Symposium in Venice, 23-27.06.2025](#)

Thanks to organisers and all who contributed!



The ESPP

ESPP

- ❑ **This time, we must, i.e., we absolutely must, converge on a crystal-clear, unambiguous choice for the next collider at CERN – with the widest possible consensus**
- ❑ **There is no room for disagreements after we converge.**
- ❑ **The fastest way to getting no new collider is non-convergence of the community on one choice that we will all back.**
- ❑ **There is no room for delaying the choice either. The timescales involved are such that we must start now.**
 - ❑ **Because it takes a minimum of ~20 years to get a new machine**
 - ❑ **And because our junior colleagues need a vision**

How to engage

How to engage in the ESPP

- **Foremost: write up your work, help with the ECFA writeup**
 - Please don't wait until 23:59 on the day of each deadline.
- **Participate as much as you possibly can in the “national HEP community discussions”**
 - The contributions from the national HEP communities are a very important element of the process.
- **We will have the first meeting with the 18 co-conveners of the 9 working groups of the Strategy next week**
 - Subsequently, they will start forming their teams
 - Volunteer, join, help

ECFA HET factory studies

- **The primary motivation for the ECFA HET study group was to bring together all the people who were interested, active, working on HET studies**
 - It has been largely successful.
 - Despite lack of people, huge pressures from ongoing experiments, and the rest of life.
- **We are about to start the last lap towards March 2025.**
- **With the submission of the ECFA Report and a potential short addendum in time for the Symposium in June 2025, the job will be done.**
 - Recall: the ESPP drafting session is scheduled to take place on Dec 1-5, 2025.
 - And Council is expected (?)/ supposed (?) to approve the new strategy in Jun 2026.
 - That will be the time that we take stock of how ECFA should contribute in the post-strategy era
- **Of course, the work of the other ECFA panels, particularly the Detector Panel, will continue throughout, hand-in-hand with the DRDs.**

Parting word

3rd ECFA HET Factory Study

- **A great success**
- **Many, many thanks to all contributors, all attendees**
- **A thousand thanks to the organizers!**
 - **Gregorio Bernardi (chair) et Giovanni Marchiori, Nicolas Morange (co-chairs)**
 - **And certainly all the other colleagues on the organizing committee: Catherine Biscarat, Gaelle Boudoul, Vincent Boudry, Paul Colas, Marco Delmastro, Jean-Baptiste De Vivie, Fares Djama, Ziad El Bitar, Stéphane Monteil, Luc Poggioli, Suzanne Gascon-Shotkin, Maxim Titov.**