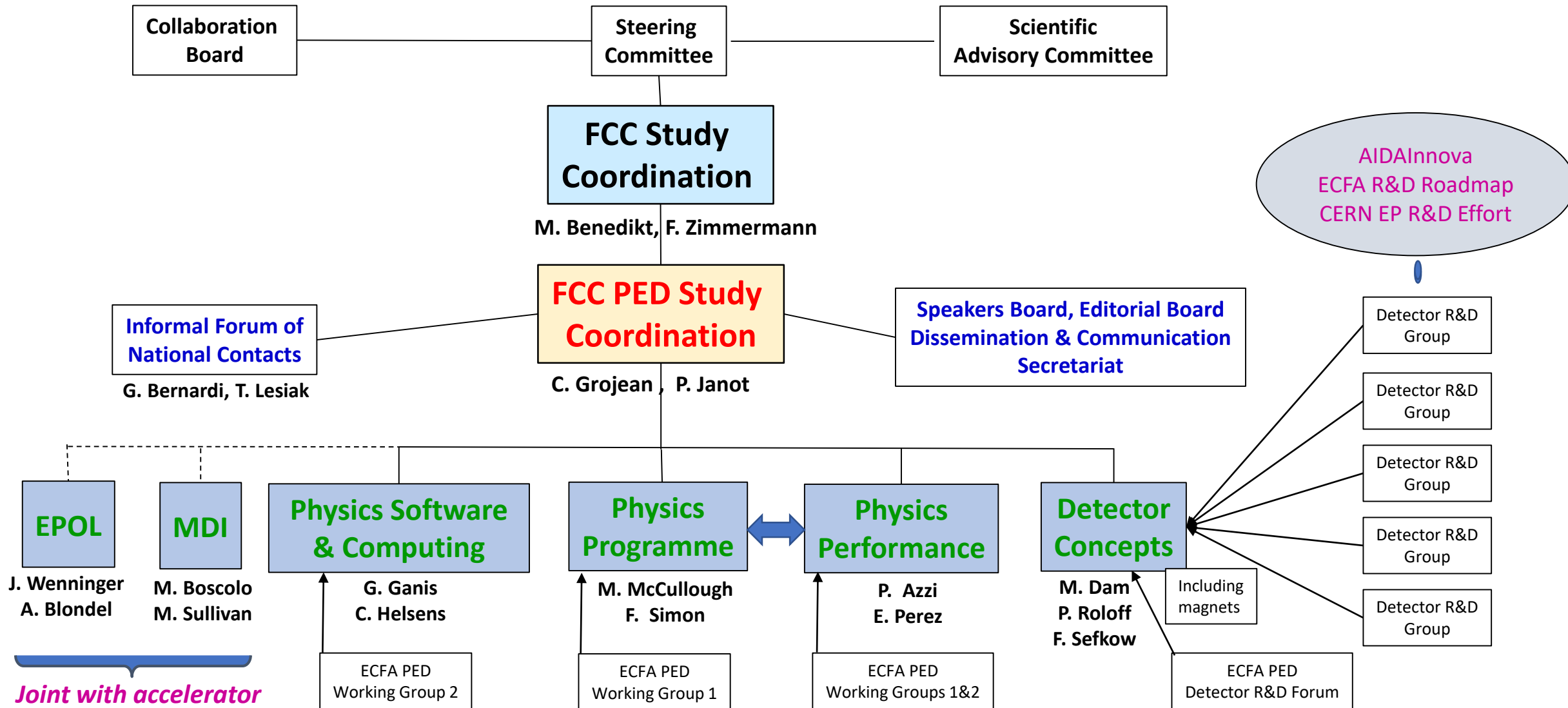


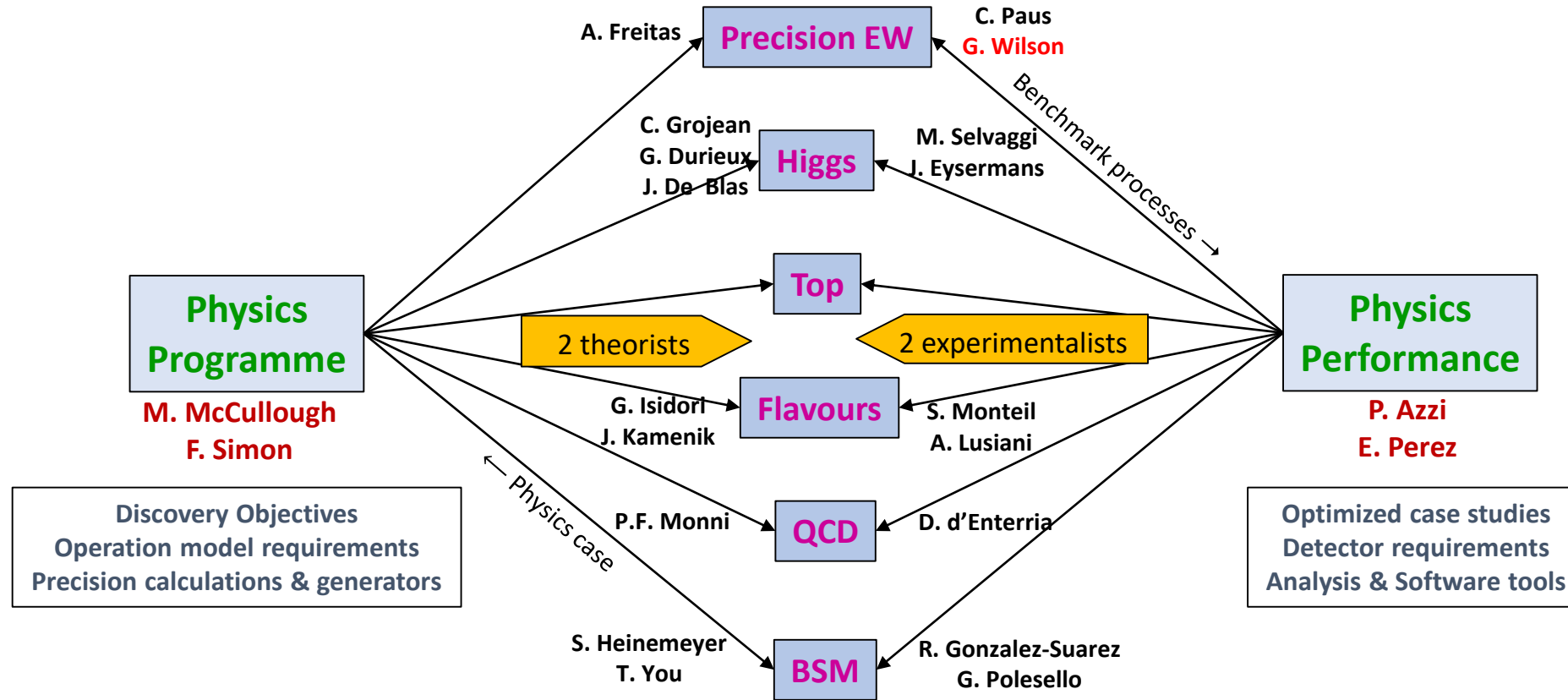
# FCC-contacts – March 18th

- News from FCC
- Detector concepts

# PED Organisation & conveners



# Joint Physics groups



# Follow-up from previous coordination meeting

- (Good!) News from Host States
  - Nov'21: Préfet de region becomes official French representative with CERN & Switzerland
    - To facilitate the execution of the FCC Feasibility Study
  - Dec'21: Swiss Federal Council will draw up a federal sectoral plan
    - To facilitate administrative procedures for FCC planning in the event of its implementation
  - 14 Feb' 22: First French information meeting about the FCC
    - Préfet de Région + députés, sénateurs, communauté de communes, ... in Ain & Haute Savoie
  - 24 Feb' 22: Symbolic ceremony and joint declaration
    - CERN DG, Préfet de Région, Swiss Ambassador, Representative of Canton de Genève
  - In short: very fast political evolution towards FCC planning in France and Switzerland
    - More meetings will follow
    - Michael Benedikt will be present in all meetings and will report to the FCC Coordination Group
      - And we will report here in turn

# Mid-term review (mid-2023)

## Context:

Mid-term review requested by CERN Council

From council document on FCC Feasibility Study:

***- A committee including external experts will be established to review the cost of the first-stage project (the tunnel and the FCC-ee collider) by mid-2023; a second cost review will take place at the end of the Feasibility Study in 2025;***

- to allow better understanding of progress and evolution of feasibility study
- Anticipation of the direction towards Strategy Update in 2026/27
- **Potential date: mid 2023**
  - Integrated in FCC Week 2023
- **Proposal by Greek delegate:**
  - presentation of review draft proposal to SPC/scientific council delegates to receive feedback BEFORE presentation to CERN Council.
  - Presentation of proposal to Council at June 2022 meeting (~1 year prior to review)
- **Review committee not yet discussed, perhaps SAC?**

# Next steps: Information received so far

- **Physics Programme**

- Precision @ FCC: Workshop middle of June
- BSM @ FCC : June ? September ?
- 23 March : First coordination meeting of "Physics Programme"
  - Will discuss about the other workshops to have this year

- **Physics Performance**

- Need to kick-off the Precision EW activities
- 14 March: monthly meeting of "Physics Performance"

- **Detector Concepts**

- 4 April: First monthly meeting of "Detector Concepts"

*Not yet enough information to  
Synchronize and avoid overlaps*



The banner features the ECFA logo on the left, followed by the text 'workshops on e+e- Higgs/Top/EW factory' and 'WG1: Higgs Top EW'. On the right, it says '1st Workshop of the Higgs/Top/EW group'. Below this, a dark blue bar contains the text 'ECFA Higgs Factories: 1st Topical Meeting on Reconstruction'. At the bottom, a blue bar provides the dates '4 May 2022, 09:00 → 5 May 2022, 18:00', the location 'Europe/Zurich', and the venue 'DESY'.

ECFA workshops on e+e- Higgs/Top/EW factory  
European Committee for Future Accelerators

WG1: Higgs Top EW

1st Workshop of the Higgs/Top/EW group

20–22 Apr 2022  
CERN

ECFA Higgs Factories: 1st Topical Meeting on Reconstruction

4 May 2022, 09:00 → 5 May 2022, 18:00 Europe/Zurich

DESY



## ECFA 2022 Workshop on Higgs/EW/Top Factory in Hamburg



CLUSTER OF EXCELLENCE  
QUANTUM UNIVERSE



- Status of Working Group activities
- Discussion of future plans
- Interaction between theory and experiments
- ...
- An important **Outreach Event** is planned;  
  
Public Talk (kick-off for  $e^+e^-$  activities / next large collider)

- Regular meetings (every 3 weeks) between LOC, Aidan Robson, Patricia Conde Muino and KJ

- Web page under preparation:

<https://indico.desy.de/event/33640/>

Programme Committee:

Juan Alcaraz, Patrizia Azzi, Jorge de Blas, Christophe Grojean, Jenny List, Fabio Maltoni, Fulvio Piccinini, Dirk Zerwas

- Programme structure fixed

Plenary sessions: Wed. am, Thurs. am, and Fri. am and pm

Parallel sessions on Wed. and Thurs. pm

Outreach event: Wednesday evening

Workshop dinner: Thursday evening

- Pre-Meetings (CLIC, ILC, FCC, ...) on Tuesday, before the workshop

In case you wish to have hold a pre-meeting, please let the Local Organisers know a.s.a.p.





- It is expected that the R&D activities will be carried out in the framework of the (hopefully) newly to be established DRD Collaborations
- WG3 could take a coordinating role for e+e- R&D activities
- Initial phase:
  - Where is R&D needed (should already be clear from the roadmap)
  - In which DRDs should e+e- activities be integrated, what projects
- As time progresses
  - Collect updated requirements
  - Link to ECFA Detector Panel

- ....

Reminder ECFA PED Structure:  
WG1: Physics potential  
WG2: Physics analysis methods  
WG3: Detector R&D

**Mandate to be drafted by J.C. Brient and PJ  
Felix will provide inputs (thanks!)  
WG3 conveners volunteers are welcome**

# FCC Week 2022: Programme and Registration

- Programme Committee
  - FCC Pillar Coordinators
    - C. Grojean
    - K. Hanke
    - P. Janot
    - T. Raubenheimer
    - T. Watson
    - F. Zimmermann
  - Others from PED
    - M. McCullough (PProg)
    - P. Azzi (PPerf)
    - F. Sefkow (DConcepts)
    - S. Eno (US + Snowmass)
  - Local Organization
    - M. Benedikt, G. Bernardi, P. Chomaz,
    - F. Zimmermann + local team
- Registration
  - Open



PARIS, France  
Venue: **Campus des Cordeliers**  
**Sorbonne Université**  
<https://cern.ch/fccweek2022>

30 May - 03 June

# FCC WEEK 2022

FUTURE CIRCULAR COLLIDER

 FCCIS – The Future Circular Collider Innovation Study. This INFRADEV Research and Innovation Action project receives funding from the European Union's H2020 Framework Programme under grant agreement no. 951754.

# FCC Week: Current schedule

- Registration fees
  - Regular: 460€
  - Student: 260€
  - 1-day pass: 100€
  - Zoom Connection: 20€
- Physics Prog/Perf (4 sessions)
  - Two talks per physics group
    - Programme aspects + plans
    - Performance aspects + plans
  - One session for case studies
- Detector Concepts (2 sessions)
- EPOL (2 sessions)
- MDI (2 sessions)
- One reserve session
  - Communication of the physics case ?
- Plenary talks
  - Monday and Friday
- Poster session on Thursday evening
- Mini-Workshop(s)
  - Friday afternoon

Day	Monday	Tuesday				Wednesday			Thursday				Friday
Room	Plenary Campus Cordeliers	Parallel 1 Jussieu CICSU	Parallel 2 Jussieu CICSU	Parallel 3 Jussieu CICSU	Parallel 4 Jussieu CICSU	Parallel 1 Campus Cordeliers	Parallel 2 Campus Cordeliers	Parallel 3 Réfectoire Cordeliers	Parallel 1 Campus Cordeliers	Parallel 2 Campus Cordeliers	Parallel 3 Campus Cordeliers	Parallel 4 Réfectoire Cordeliers	Plenary Campus Cordeliers
Time	room 470 p.	room 80 p.	room 80 p.	room 80 p.	room 30 p.	room 155 p.	room 75 p.	room 100 p.	room 470 p.	room 155 p.	room 75 p.	room 100 p.	room 470 p.
09:00-09:30	Plenary session	FCCee accelerator FCCIS WP2	Phy Programme/ Performance	FCCIS WP4 Socio Econom		FCC hh accelerator	PED: EPOL	FCCIS WP3 Placement	Reserve	PED/ACC: FCCee EPOL	TI Geodesy alignment	Technology	Plenary session
09:30-10:00													
10:00-10:30	Chairperson	Chairperson	Chairperson	Chairperson		Chairperson	Chairperson	Chairperson	Chairperson	Chairperson	Chairperson	Chairperson	Chairperson
10:30-11:00	Coffee break	Coffee break				Coffee break			Coffee break				Coffee break
11:00-11:30	Plenary session	FCCee accelerator FCCIS WP2	Phy Programme/ Performance	Technology SRF	Dialogue group CLOSED	Technology	PED: Detector Concepts	Civil Engineering	Reserve	PED/ACC: FCCee MDI	Technical infrastruct.	Technology	Plenary session
11:30-12:00													
12:00-12:30	Chairperson	Chairperson	Chairperson	Chairperson	F. Eder	Chairperson	Chairperson	Chairperson	Chairperson	Chairperson	Chairperson	Chairperson	Chairperson
12:30-13:00	Lunch break	Lunch break				Lunch break			Lunch break				
13:00-13:30													
13:30-14:00													
14:00-14:30	Plenary session	FCCee injector FEB	Phy Programme/ Performance	Technology SRF	SC meeting CLOSED	FCCee accelerator	PED: Detector Concepts	FCCIS WP5 Collaboration	Reserve	PED/ACC: FCCee MDI	Technical infrastruct.		
14:30-15:00													
15:00-15:30	Chairperson	Chairperson	Chairperson	Chairperson	F. Gianotti	Chairperson	Chairperson	Chairperson	Chairperson	Chairperson	Chairperson		
15:30-16:00	Coffee break	Coffee break				Coffee break			Coffee break				
16:00-16:30	Plenary session	FCCee injector FEB	Phy Programme/ Performance	Technology SRF	SC meeting CLOSED	FCCee accelerator	Reserve	FCCIS WP5 Communicati on	France special plenary session (Campus Cordeliers, room 470 p.)				
16:30-17:00													
17:00-17:30	Chairperson	Chairperson	Chairperson	Chairperson	F. Gianotti	Chairperson	Chairperson	Chairperson	Chairperson				
17:30-18:00	Welcome reception  (Réfectoire Cordeliers)								Poster session (50 posters) & drink (Réfectoire Cordeliers)				
18:00-18:30									Public event  (Réfectoire Cordeliers)				
18:30-19:00													
19:00-19:30									Cocktail (Réfectoire Cordeliers)				
19:30-20:00													
20:00-20:30													
20:30-21:00													
21:00-21:30						Conference Dinner  (Théâtre du Merveilleux)							

# Snowmass, reminders

- It is essential that a support statement for FCC-ee be issued by Snowmass
  - Strong FCC participation to the following Snowmass meetings is essential
- Energy Frontier Workshop at Brown University, 28 March – 1 April 2022
  - Registration at <https://indico.fnal.gov/event/52465/>
  - Virtual participation is free, but registration is necessary
- Snowmass final workshop in Seattle, Washington on 17 – 26 July 2022
  - See <https://indico.fnal.gov/event/22303/>

- Newcomer @ Snowmass : the  $e^+e^-$  collider forum
  - “to capture the interest for such linear and circular colliders in the US community”
  - “to provide a path for further engagement in developing a strategy toward an  $e^+e^-$  collider”
    - First session in the EF Workshop at Brown



## Discussions: $e^+e^-$ Collider Forum ¶

**Conveners:** Emilio Nanni (SLAC National Accelerator Laboratory), John Power (Argonne National Lab), Maria Chamizo Llatas (University of Valencia), Sridhara Dasu (University of Wisconsin), Stephen Wagner (University of Colorado, Boulder), Ulrich Heintz (Brown University)

4:30 PM

### Forum mandate

**Speakers:** Alessandro Tricoli (BNL), Laura Reina (Florida State University), Meenakshi Narain (Brown University)

4:40 PM

### Circular $e^+e^-$ collider physics + FCC-ee developments

Max 20m talk + Min 10m discussion

**Speaker:** stephane willocq (University of Massachusetts)

5:10 PM

### Linear $e^+e^-$ collider physics + ILC developments

Max 20m talk + Min 10m discussion

**Speaker:** Michael Peskin (SLAC)

5:40 PM

### CCC developments + Justification for higher-energy + lumi choices

Max 10m talk + Min 10m discussion

**Speakers:** Caterina Vernieri (Fermi National Accelerator Laboratory), Caterina Vernieri (SLAC)

# FCC Snowmass white papers

- The white papers have been submitted to arXiv
- The white papers can be modified all the way to the Seattle meeting in July
  - The US FCC white paper (Editors Sarah and Dmitri)
  - Submitted to arXiv, comments to be sent to Sarah Eno → 150 US endorsers

<https://arxiv.org/abs/2203.06520>

## **The Future Circular Collider: a Summary for the US 2021 Snowmass Process**

G. Bernardi, E. Brost, D. Denisov, G. Landsberg, M. Aleksa, D. d'Enterria, P. Janot, M.L. Mangano, M. Selvaggi, F. Zimmermann, J. Alcaraz Maestre, C. Grojean, R.M. Harris, A. Pich, M. Vos, S. Heinemeyer, P. Giacomelli, M. Klute, A. Blondel, C. Paus, F. Simon, M. Dam, E. Barberis, L. Skinnari, T. Raubenheimer, S. Antusch, L.-T. Wang, J. de Blas, S. Eno, Yihui Lai, S. Willocq, J. Qian, J. Zhu, R. Novotny, S. Seidel, M.D. Hildreth, E.J. Thomson, R. Demina, J. Gluza, R. Gonzalez Suarez, F. Bedeschi, P. Azzi

- The accelerators (FCC-ee and FCC-hh) white papers
  - FCC-ee: <https://www.overleaf.com/read/jbmhkjynvcgf>
  - Comments to be sent to Frank Zimmermann
  - FCC-hh: <https://www.overleaf.com/read/ghnjxsxcgfsc>
  - Comments to be sent to Massimo Giovannozzi



# Recommendations from MEXT expert panel

- See official statement here: <https://www.kek.jp/en/topics-en/202202251335/>

1. The panel recognizes the academic significance of particle physics and the importance of the research activities, including that of a Higgs factory, and understands the value of international collaborative research. However, the panel found that it is still premature to proceed into the ILC Pre-lab phase, which is coupled with an expression of interest to host the ILC by Japan as desired by the research community proposing the project.

2. Given the increasing strain in the financial situation of the related countries, the panel recommends the ILC proponents to reflect upon this fact and to reevaluate the plan. They should reexamine the approach towards a Higgs factory in a global manner taking into account the progress in the various studies such as the Future Circular Collider (FCC) and ILC.

3. The panel recommends that the development work in the key technological issues for the next-generation accelerator should be carried out by further strengthening the international collaboration among institutes and laboratories, shelving the question of hosting the ILC.

4. For realizing a very large project such as the ILC, cultivating a framework where the related countries can exchange information on their situations and discuss required steps would be important.

5. The panel recommends that the research community should continue efforts to expand the broad support from various stakeholders in Japan and abroad by building up trust and mutual understanding through bi-directional communication with the people concerned.

In light of the panel's findings, KEK will make an effort to reexamine the path for realizing the ILC as a Higgs factory, taking into account the progress in various fronts including the FCC feasibility study. In this process, the interaction with the domestic and international research community as well as the opportunities in the exchange of information through ICFA will be crucial. Also, in collaboration with the IDT, KEK will propose a framework to ICFA to address some of the pressing accelerator R&D issues for the Pre-lab, where joint developments will be done by the participating laboratories on the selected subjects. KEK and the Japanese ILC community is committed to further advance important technological and engineering development in the accelerator area and to continue the effort for the realization of the ILC.

Furthermore, KEK, in collaboration with ILC-Japan, will establish a new organization that will centrally manage ILC communications activities. The new organization will strengthen activities to communicate the significance of the ILC to all parties involved, such as the general public, academia, or industry, focusing on communicating the importance to build an international laboratory for basic science, which will contribute greatly to the development of a new generation of scientists and advancement of knowledge, science and technology.

KEK endeavors to promote these activities for the realization of the ILC in the future, maintaining a relationship of trust with related organizations.

- See also: <https://physicsworld.com/a/panel-calls-on-physicists-to-shelve-notion-of-japan-hosting-the-international-linear-collider/>

Panel calls on physicists to 'shelve' notion of Japan hosting the International Linear Collider

01 Mar 2022 Michael Banks

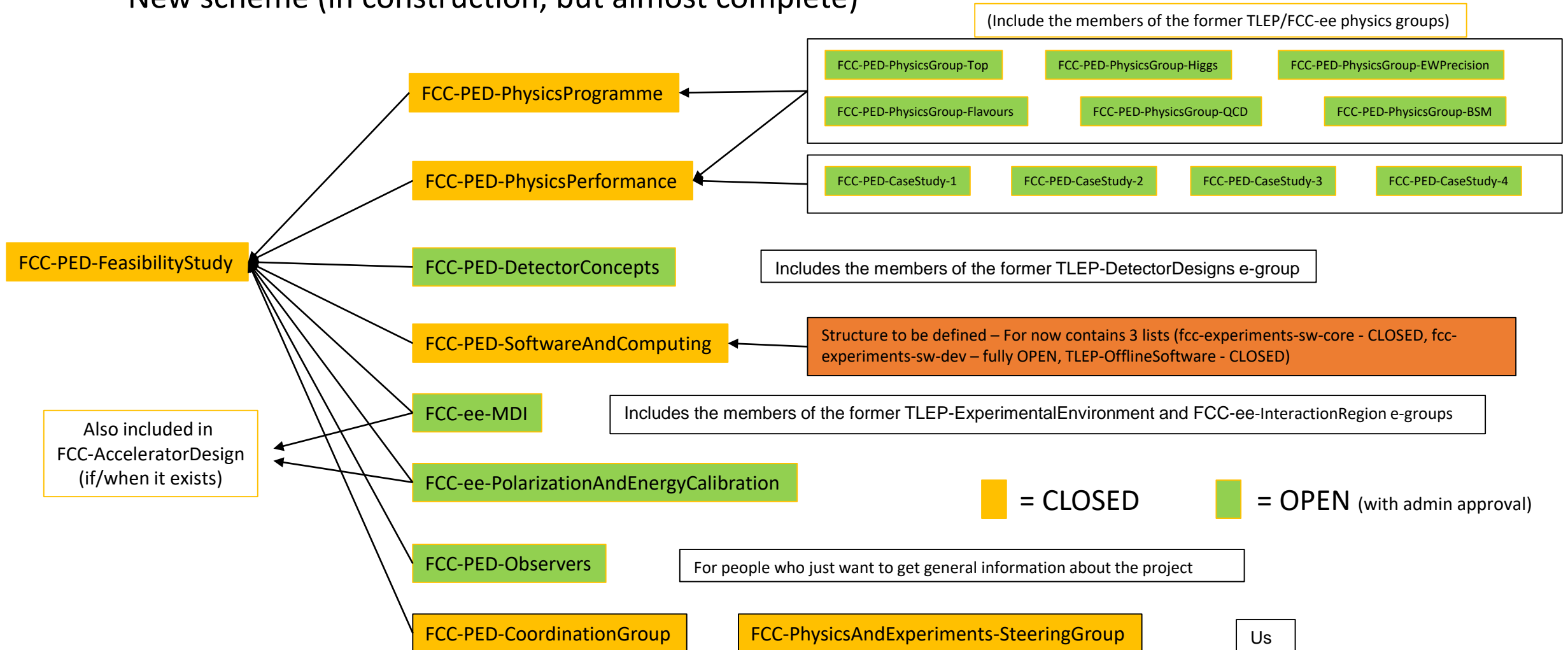
physicsworld

- Next step: FCC Coordination Group to contact KEK/ILC folks for collaboration with FCC FS

BACKUP (including mailing list, fellows@cern,...)

# Mailing lists – an update

- Popular request during the workshop: mailing lists to subscribe to !
  - New scheme (in construction, but almost complete)



# Mailing lists : how to subscribe ?

- Subscription to one list
  - Example: FCC-PED-DetectorConcepts
    - <https://e-groups.cern.ch/e-groups/EgroupsSubscription.do?egroupName=FCC-PED-DetectorConcepts>
    - Click on “Add me as member”
- Subscription to many lists
  - Example: All physics groups, all case studies, Detector Concepts
    - <https://e-groups.cern.ch/e-groups/EgroupsSearchForm.do>

Search for “FCC-PED”

e-groups

☒ All e-groups ☐ ALICE ☐ ATLAS ☐ CMS ☐ FASER ☐ LCG ☐ LHCB ☐ LHCf ☐ MoEDAL ☐ SND@LHC ☐ TOTEM

☐ Only groups I own or manage | ☐ Only groups I am on | Page Size:

And subscribe to the groups of your choice

	<a href="#">FCC-PED-PhysicsGroup-BSM</a>	Static	FCC	BSM Physics Group in the FCC PED Feasibility Study	Active	Patrick.Janot@cern.ch	<input type="button" value="Unsubscribe"/>	<a href="#">Go to archive</a>
	<a href="#">FCC-PED-PhysicsGroup-BSM-admin</a>	Static	FCC	Administrators of FCC-PED-PhysicsGroup-BSM	Active	Patrick.Janot@cern.ch	<input type="button" value="Subscribe"/>	
	<a href="#">FCC-PED-PhysicsGroup-EWPrecision</a>	Static	FCC	EW/Precision Physics Group in the FCC PED Feasibility Study	Active	Patrick.Janot@cern.ch	<input type="button" value="Unsubscribe"/>	<a href="#">Go to archive</a>
	<a href="#">FCC-PED-PhysicsGroup-EWPrecision-admin</a>	Static	FCC	Administrators of FCC-PED-PhysicsGroup-EWPrecision	Active	Patrick.Janot@cern.ch	<input type="button" value="Subscribe"/>	<a href="#">Go to archive</a>
	<a href="#">FCC-PED-PhysicsGroup-Flavours</a>	Static	FCC	Flavours Physics Group in the FCC PED Feasibility Study	Active	Patrick.Janot@cern.ch	<input type="button" value="Unsubscribe"/>	<a href="#">Go to archive</a>
	<a href="#">FCC-PED-PhysicsGroup-Flavours-admin</a>	Static	FCC	Administrators of FCC-PED-PhysicsGroup-Flavours	Active	Patrick.Janot@cern.ch	<input type="button" value="Subscribe"/>	
	<a href="#">FCC-PED-PhysicsGroup-Higgs</a>	Static	FCC	Higgs Physics Group in the FCC PED Feasibility Study	Active	Patrick.Janot@cern.ch	<input type="button" value="Unsubscribe"/>	<a href="#">Go to archive</a>
	<a href="#">FCC-PED-PhysicsGroup-Higgs-admin</a>	Static	FCC	Administrators of FCC-PED-PhysicsGroup-Higgs	Active	Patrick.Janot@cern.ch	<input type="button" value="Subscribe"/>	
	<a href="#">FCC-PED-PhysicsGroup-QCD</a>	Static	FCC	QCD Physics Group in the FCC PED Feasibility Study	Active	Patrick.Janot@cern.ch	<input type="button" value="Unsubscribe"/>	<a href="#">Go to archive</a>
	<a href="#">FCC-PED-PhysicsGroup-QCD-admin</a>	Static	FCC	Administrators of FCC-PED-PhysicsGroup-QCD	Active	Patrick.Janot@cern.ch	<input type="button" value="Subscribe"/>	
	<a href="#">FCC-PED-PhysicsGroup-Top</a>	Static	FCC	Top Physics Group in the FCC PED Feasibility Study	Active	Patrick.Janot@cern.ch	<input type="button" value="Unsubscribe"/>	<a href="#">Go to archive</a>
	<a href="#">FCC-PED-PhysicsGroup-Top-admin</a>	Static	FCC	Administrators of FCC-PED-PhysicsGroup-Top	Active	Patrick.Janot@cern.ch	<input type="button" value="Subscribe"/>	

- Your subscription will be approved by one of the group controllers

# Mailing lists: New subscription approval

- The following rules are suggested (for discussion)
  - The approval should be left to the group conveners (also admins of the e-group)
    - E.g., Manuela B. and Mike S. for fcc-ee-MDI
  - Check if the email address corresponds to a specific institution (or if you know the person)
    - i.e., no gmail, no yahoo, no aol, etc.
      - Special cases (like people working only in other circular collider projects) should raise a flag
  - If it is not the case, contact the person directly prior to approval
    - Ask what (s)he does in life (CV?), what (s)he wants to contribute to, what is his/her institute
  - At least for MDI, EPOL & Detector Concepts, suggest that the institutes signs a MoU
    - Possibly fills an addendum with your help, for possible contributions
    - Register membership to the FCC FS Collaboration
      - Instructions on next slide



# Associates, Fellows and Students @ CERN

- Next sessions of the selection committees
  - Technical and doctoral students: 5 may 2022
  - Associates and fellows: 17 may 2022
- We have a budget that can cover
  - 24 months of scientific associate every year until 2025 (through the FC Unit)
  - 10 fellows.year and 10 students.year in the period 2022 - 2025 (through FCC FS)
    - Note: The cost for 1 fellow is similar to that for 2 doctoral students
- Please send me your preliminary (final) wishes by 17 March (11 April) at the latest
  - Template for fellows and associates requests are attached to the agenda.
- Note: research fellows (for the physics groups) are "free"
  - They just need to be convinced one by one to come and work with us.
    - You are encouraged to ask people who want to work on FCC FS to apply as research fellow

Patrizia, Jenny,  
Jorge(?)

# ECFA PED meetings and mailing lists

- See Juan's mail for details (1 March 2022), forwarded to FCC-experiments-lepton
  - All ECFA PED workshops and seminars are under this indico category
    - <https://indico.cern.ch/category/14055/>
  - They appear automatically on our FCC PED web page
  - You can be reminded by subscribing to the relevant mailing lists
- Note: The ECFA IAC did not get a chance to discuss the scheduling of these meetings (or the sequence of topics)
  - Some are overlapping with FCC meetings (PED or not)
    - For example, there is mini-workshop on  $\alpha_s$  at 3pm today, also in // with an FCC IS executive board
  - We requested with K. Jakobs that overlaps and redundancy be avoided as much as possible
    - This point was discussed yesterday at the ECFA PED IAC meeting
      - Suggestion to block a slot in the week for this kind of meetings will be taken up to the WG conveners

# FCC Feasibility Study Collaboration Membership



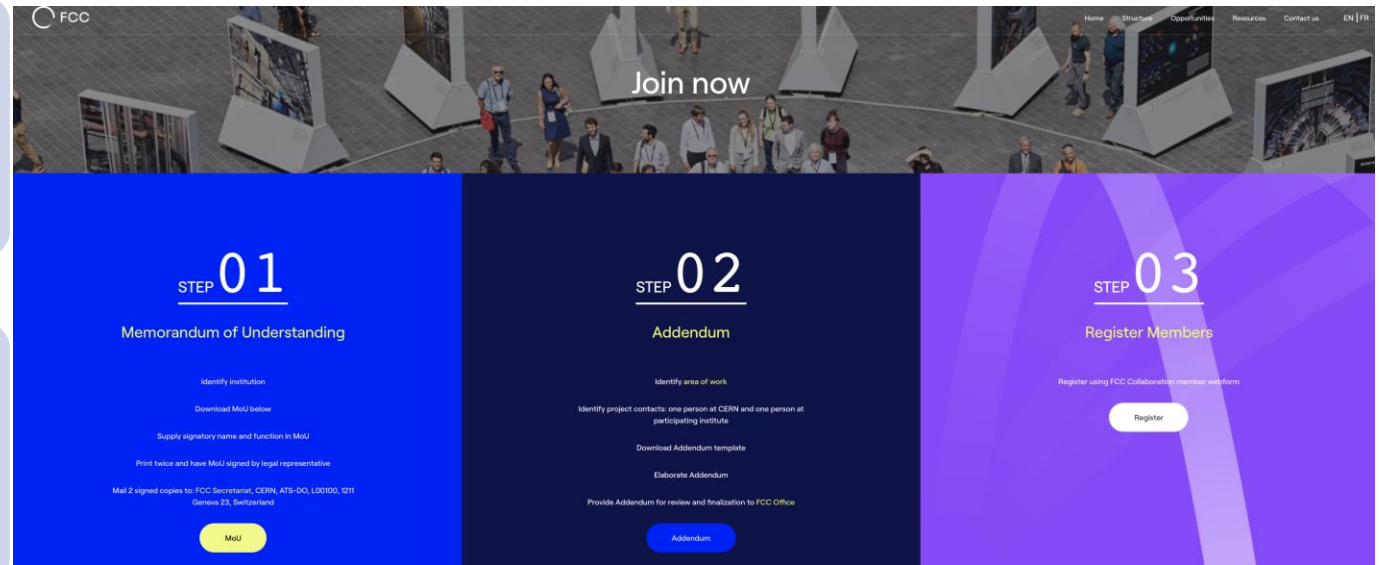
Participation in FCC through **MoU and Addenda**.



The FCC MoU for the first phase of the study is being **updated to cover the Feasibility Study**.



The current participating institutes who wish to take part in the Feasibility Study can continue to participate on the basis of the previously signed MoU until the updated MoU is signed.



<https://fccis.web.cern.ch/join-now>

# FCC General meetings

- Suggested (back in Nov.) a monthly FCC General Meeting for everyone in the study
  - Michael Benedikt favourable to the idea & nominated Michael Hofer to help (accelerator)
    - Christos Leonidopoulos has agreed to continue on the PED side
  - Michael Benedikt discussed with Philippe Chomaz (CB chair)
    - Concluded that such meetings would be very useful
      - To be held every 2-3 months
      - Strengthen the communication within the collaboration
      - Keep community updated with important news and needs
      - Report progress of the feasibility study (PED, Accelerator, Host States, Financial aspects, ...)
      - Etc.
- A meeting will be called to finalize the organization of these meetings
  - PED & Accelerator coordinators
  - CB Chair
  - Michael Hofer and Christos Leonidopoulos

# Speaker's Büro

- One of the action items from the January meeting was to find a co-chair
  - David d'Enterria kindly agreed to join Markus Klute
  - Alain Blondel will help David and Markus to boost the activities of the Büro
    - Up-to-date list of opportunities for talks/posters in international conferences and workshops
    - Up-to-date list of abstracts
    - Application and selection of speakers
    - Up-to-date database of slides and proceedings



# FCC-PED webpage

- A lot of work needed – see <https://fcc-ped.web.cern.ch/>
  - The landing page is still very much FCC-ee (and even TLEP) oriented – and needs updating
    - For example, the “contact us/join us” tab is outdated and should point to the new lists
    - The introductory text ought to refer to the FCC feasibility study, not to FCC-ee/TLEP
  - The Work Package pages are “under construction” (except the Physics Performance page)
    - It is up to the work package coordinators to put something useful there
      - With some introductory text (high-level objectives, organization, etc.)
      - With links towards more detailed/technical pages
- Action: make a plan to make this page a useful tool for community building



What about the FCC-France page?

we must develop it

FCC-FRANCE



The Future Circular Collider (FCC) study is developing designs for a new research infrastructure to host the next generation of higher performance particle colliders to extend the research currently being conducted at the LHC, once the High-Luminosity

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Contact us