1. Développer un argumentaire grand-public sur le cas de physique du FCC *(CERN, communautés scientifiques utilisatrices)*.

2. Comparer les mérites scientifiques du FCC avec ceux des projets concurrents *(CERN, communautés scientifiques utilisatrices)*.
Comparer de façon plus systématique (mais concise et simplement exprimée) le programme de physique du FCC avec ceux des projets concurrents (et en particulier du projet chinois CEPC).

3. Quantifier les besoins en calcul théorique *(CERN, communautés scientifiques utilisatrices)*.

4. Poursuivre la définition des concepts de détecteur pour FCC-ee *(CERN, communautés scientifiques utilisatrices)*. (en particulier un detecteur specialisé sur la physique du b).

Prise en compte de questions scientifiques et techniques, notamment d'évolutions des sciences et de la physique qui pourraient survenir dans le temps long d'ici au fonctionnement du FCC, mais aussi d'autres domaines, comme l'intelligence artificielle, en développement particulièrement rapide, qui pourrait apporter de nouvelles visions sur le sujet.

FCC-DRD-Jamboree / July 2nd 2024

09:00 → 09:20 **Introduction/News**

09:20 → 09:40 **ZH cross section and Higgs Mass measurements in ZH events at 240 and 365 GeV @ APC**

Orateurs: Gregorio Bernardi (APC Paris CNRS/IN2P3), Kevin Dewyspelaere (APC Paris CNRS/IN2P3)

09:40 → 10:00 **Higgs couplings measurements at 240 GeV @APC**

Orateurs: Alexis Maloizel (APC, Paris), Giovanni Marchiori (APC Paris)

10:00 → 10:20 **QCD & Lund Jet plane studies at FCC-ee**

Orateur: Lata Panwar (LPNHE)

10:20 → 10:40 **ALLEGRO ECAL cross-talk emulation**

Orateur: Zhibo Wu

10:40 → 11:00 **ALLEGRO simulated performance**

Orateur: Tong LI (APC Paris, CNRS/IN2P3)

16:00 → 16:20 **H(ZZ*) measurements in 4l channels at FCCee**

Orateurs: Hind Taibi, Marco Delmastro (LAPP)

16:20 → 16:40 **Constraining BSM theories with oblique parameters, FCC improvements**

Orateurs: Aldo Deandrea (IP2I - Université Lyon 1), Christian Verollet, Giacomo Cacciapaglia (IP2I Lyon)

16:40 → 17:00 **APRIL : a particle flow algorithm for future colliders**

Orateurs: Gérald Grenier (IPN Lyon/Université Lyon 1), Tanguy PASQUIER (IP2I, Univ Lyon 1)

17:00 → 17:20 **Development of the full simulation of the tracker concepts for the Future Circular Collider project**

Orateurs: David Buitrago, Gaelle Boudoul (cnrs)

New (2024 – 2026)
Update of the European Strategy for Particle Physics

Launched by CERN Council on proposal by
CERN management in March 2024

Key Dates (as far as already known):

- 31. March 2025: Deadline for submission of input by the community
- End of June 2025: Open Symposium
- …
- June 2026: Council decision on Update of the Strategy

ESPP

Strategy Secretariat: organising and running the ESPP process

Strategy Secretary (Chair, [illegible])
Paris Sphicas (ECFA Chair)
Hugh Montgomery (SPC Chair)
Dave Newbold (LDG Chair)

➔ Karl Jakobs elected

Physics Preparatory Group (PPG): collects input from the community, organises the Open Symposium, prepares the Briefing Book

- Strategy Secretariat (Strategy Secretary is Chair of PPG)
- 4 members appointed by Council, on recommendation of SPC
- 4 members appointed by Council, on recommendation of ECFA
- 1 representative appointed by CERN
- 2 representatives from the Americas and 2 from Asia

➔ Nominations just finished, decision in August

European Strategy Group (ESG) Prepares the Strategy Document

- Strategy Secretariat (Strategy Secretary is Chair of PPG)
- 1 representative from each CERN Member State
- 1 representative appointed by each LDG laboratory
- CERN Director General
- Invitees: PPG, President of Council, 1 representative from each Associate Member and Observer State, 1 representative from the EC, Chairs of APPEC, NuPECC and ESFRI

Meetings Nationaux de Stratégie

En Italie, Meeting de Stratégie s'est tenu en Mai:

Support à FCC, muon collider R&D de long terme
Pas de mention de Plan B, mais éventuellement flexibilité

En France, Meeting de Stratégie en Janvier (20-21)

Comment nous préparons-nous ?

- FCC Week in San Francisco (June)
- HET Factory ECFA-workshop in Paris (October)
- FCC France-Italie in Venezia (November)

Feasibility Study Mid-Term Review passed !

The goal of the FCC FS mid-term review is to assess the progress of the Study towards the final report.
Deliverables approved by the Council in September 2022:
https://indico.cern.ch/event/1197445/contributions/5034859/attachments/2510649/4315140/spc-e-1183-Rev2-c-e-3654-Rev2_FCC_Mid_Term_Review.pdf

Deliverables:
D1 : Definition of the baseline scenario
D2 : Civil engineering
D3 : Processes and implementation studies with the Host States
D4 : Technical infrastructure
D5 : FCC-ee accelerator
D6: FCC-hh accelerator
D7: Project cost and financial feasibility
D8: Physics, experiments and detectors


Future Circular Collider
Midterm Report

February 2024

Edited by:
B. Auchmann, W. Bartmann, M. Benedikt, J.P. Burnet, P. Craievich, M. Giovannozzi, C. Grojean, J. Gutleber, K. Hanke, P. Janot, M. Mangano, J. Osborne, J. Poole, T. Raubenheimer, T. Watson, F. Zimmermann

This project has received funding under the European Union's Horizon 2020 research and innovation programme under grant agreement No 951754.

This document has been produced by the organisations participating in the FCC feasibility study. The studies and technical concepts presented here do not represent an agreement or commitment of any of CERN's Member States or of the European Union for the construction and operation of an extension to CERN's existing research infrastructures.
The midterm report of the FCC Feasibility Study reflects work in progress and should therefore not be propagated to people who do not have direct access to this document.

Full Report
8 Chapters/Deliverables
~ 700pp document
~ 16 editors
~ 500 contributors

Many thanks to the SAC, CRP, SPC, FC and the Council for the very useful reviews!

Documents:
- ❑ Mid-term report (all deliverables except D7)
- ❑ Executive Summary of mid-term report
- ❑ Updated cost assessment (D7)
- ❑ Funding model (D7)

Review process:
- ❑ Oct 2023: Scientific Advisory Committee (scientific and technical aspects) and Cost Review Panel (ad hoc committee; cost and financial aspects)
- ❑ Nov 2023: SPC and FC
- ❑ 2 Feb 2024: Council

All deliverables met, no technical showstoppers

→70-80 recommendations

FUTURE CIRCULAR COLLIDER

Main goals for 2024/beginning 2025

- **Completion of technical work for Feasibility Study until end 2024**
  - Implementation of recommendations of the mid-term review
  - Focus on “feasibility items” and items with important impact on cost/performance
  - Develop a risk register
  - Update cost estimate to reach cat 3 level on cost uncertainty (-20% / +30%).
  - Further develop the funding model based on discussions with CERN Council
- **Complete FS by March 2025 as input for ESPP update.**
- **In parallel, continue work with host states on project definition and responsibilities, authorization procedures, excavation material strategy and regional implementation development.**

Feasibility Study Report for March 2025

Structure: 3 Volumes

- ***Vol. 1:*** *Physics, Experiments and Detectors (~200 pages)*
- ***Vol. 2:*** *Accelerators, Technical Infrastructures, Safety Concepts (~370 pages)*
- ***Vol. 3:*** *Civil Engineering, Implementation & Sustainability (~200 pages)*
- **Input for Update of European Strategy for Particle Physics**

to be prepared with Overleaf & published by EPJ (Springer-Nature) – FCCIS members

In addition documentation on Cost Estimate – Funding Models

FUTURE CIRCULAR COLLIDER

Pre-TDR phase from April 2025 until end 2027

Main goal is to provide all information to Council to allow taking a decision on the project **by end of 2027 or early 2028**

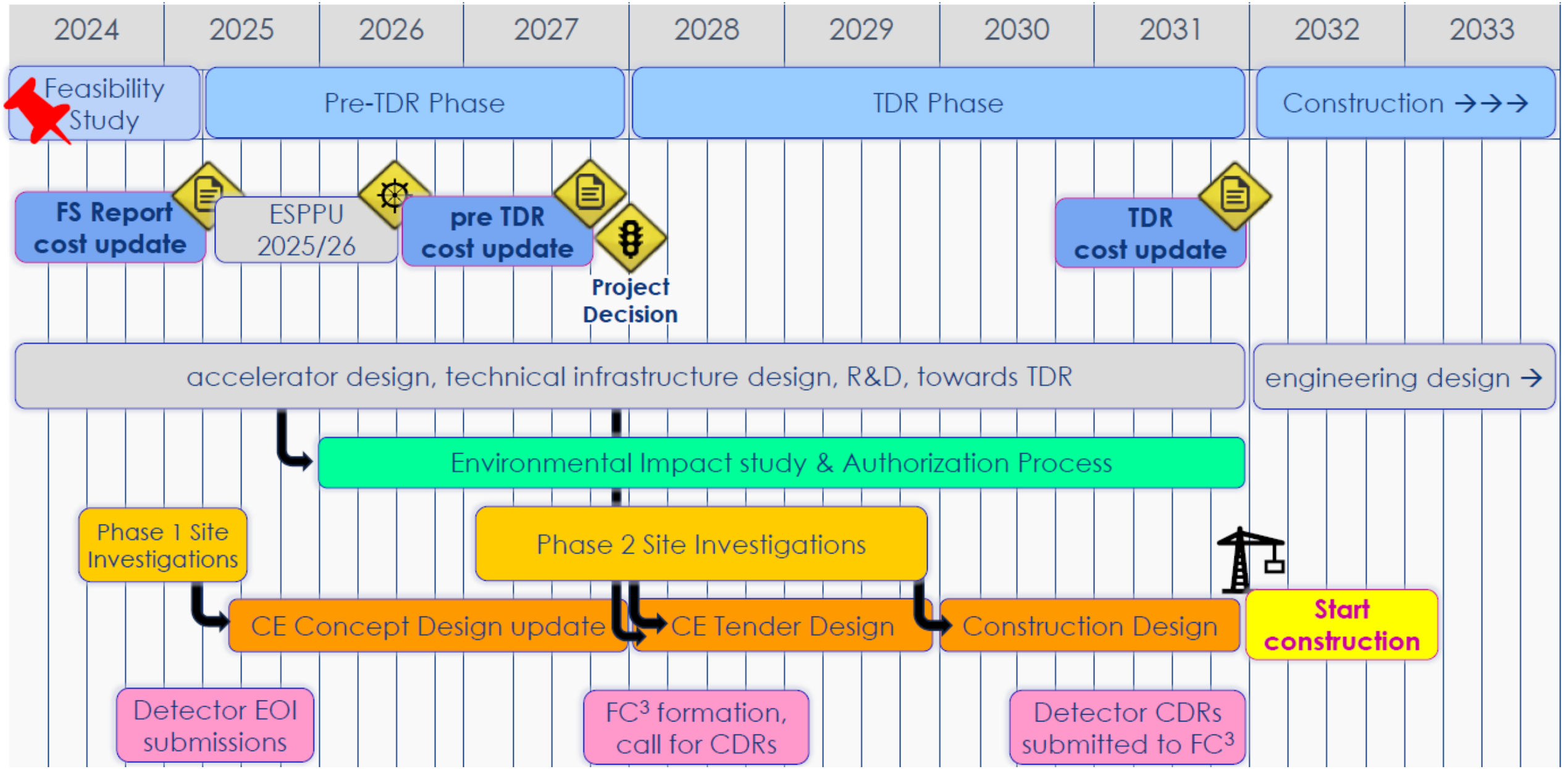
- Further develop the civil engineering and the technical design of all major systems and components, so as to provide a **more detailed cost estimate** with reduced uncertainties
- Continuation of **technical R&D activities**
- Work with host states on **regional implementation development** and **authorization process definition to enable launch of environmental impact study in 2026**
- Continuation of site investigations and perform an **overall integration study to specify requirements of technical infrastructure, accelerators and detectors**

  → **Provision of input for civil engineering design if the project goes ahead.**

→ Work with international partners to define roles and work packages

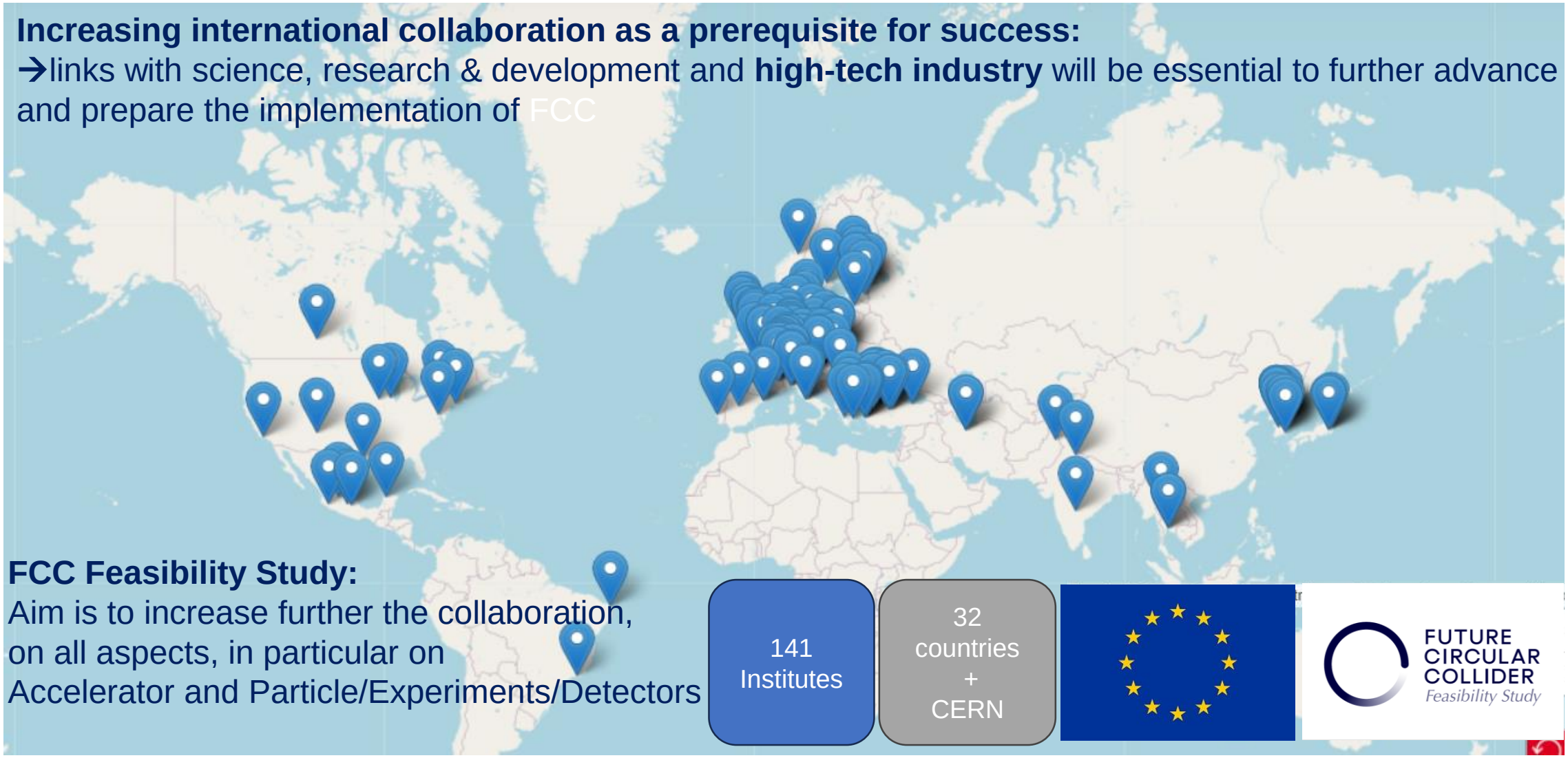
FUTURE CIRCULAR COLLIDER

Expected time line till start of construction



Status of the FCC Global Collaboration

Increasing international collaboration as a prerequisite for success:
→links with science, research & development and **high-tech industry** will be essential to further advance and prepare the implementation of FCC



FCC Feasibility Study:
Aim is to increase further the collaboration, on all aspects, in particular on Accelerator and Particle/Experiments/Detectors

141 Institutes

32 countries + CERN

FUTURE CIRCULAR COLLIDER
Feasibility Study

FCC Feasibility Study

EU Projects
NN

Collaboration building
Gregorio Bernardi, Tadeusz Lesiak, Emmanuel Tsesmelis,

Communications
Panagiotis Charitos, Arnaud Marsollier

Study Support and Coordination
Study Leader: Michael Benedikt
Deputy Study Leader: Frank Zimmermann

Study Support Unit
IT: Sylvain Girod
Procurement: Adam Horridge
Quality management: Beatriz Arias
Resources: Sylvie Prodon
Secretariat: Julie Hadre, Jeanette Kotzian

Physics, Experiments and Detectors
Patrick Janot, Christophe Grojean

- **Physics programme** — Matthew McCullough, Frank Simon
- **Detector concept** — Mogens Dam, Marc-André Pleier, Felix Sefkow
- **Physics performance** — Patrizia Azzi, Emmanuel Perez, Michele Selvaggi
- **Software and computing** — Gerardo Ganis, Brieuc François

Accelerators
Tor Raubenheimer
Frank Zimmermann

- **FCC-ee accelerator design** — Christian Carli, Frank Zimmermann
- **FCC-ee technical implementation** — Jean-Paul Burnet, Tor Raubenheimer
- **FCC-ee injector** — Paolo Craievich, Alexej Grudiev
- **FCC transfer lines** — Wolfgang Bartmann
- **FCC-hh design** — Massimo Giovannozzi
- **EPOL** — Jacqueline Keintzel, Guy Wilkinson
- **MDI** — Manuela Boscolo, Fabrizio Palla

Technical Infrastructures
Jean-Paul Burnet
Klaus Hanke

- **Integration** — Jean-Pierre Corso
- **Geodesy & survey** — Hélène Mainaud Durand
- **Electricity and energy management** — Jean-Paul Burnet
- **Cooling and ventilation** — Guillermo Peon
- **Cryogenics systems** — Laurent Delprat
- **Computing and controls infrastructure, communication and network** — Pablo Saiz
- **Safety** — Thomas Otto
- **Operation, maintenance, availability, reliability** — Jesper Nielsen
- **Transport, installation concepts** — Roberto Rinaldesi

Host State processes and civil engineering
Timothy Watson

- **Administrative processes** — Friedemann Eder
- **Placement studies** — Johannes Gutleber
- **Environmental evaluation** — Johannes Gutleber
- **Tunnel, subsurface design** — John Osborne
- **Surface sites layout, access and building design** — A. Mayoux

Organisation and financing models
Florian Sonnemann

- **Project organisation model** — NN
- **Financing model** — Florian Sonnemann
- **Procurement strategy and rules** — Anders Unnervik
- **In-kind contributions** — Anders Unnervik
- **Operation model** — Verena Kain

Collaboration building:
Through the FCC Global Collaboration (FGC) and the International Forum for National Contacts (IFNC)

Next 5 years / HEP Collaborations building

- **EOI for subdetectors and proto-detector concepts to be submitted by March 2025**
- **National/Regional EOI in support of FCC for subdetectors to be submitted by March 2025 ?**
- **Set-up process for proto-collaborations formation in 2028-2029**

The Cost Review Panel recommends to work with the scientific community, institutes, laboratories and funding agencies to ensure support and resources for **four experiments**, facilitating the exploitation of the full scientific potential offered by the large investment in the FCC-ee facility

- Completing list of tasks of the Institutes in the IFNC
- Iterate with National Contacts to gather latest information of possible funding of the HEP teams.
- Explore how the countries/institutes positions themselves on the current/future proto-detector concepts

A possible strategy for building HEP collaborations in the next five years:

- Start with EOI for subdetectors and proto-detector concepts in 2025, and their development in the following two years.

- Assuming positive recommendation to push forward by end of 2027 by the CERN council:
  - Setting up FCCC and proto-collaborations (following call for CDR); probably around proposed proto-detector concepts,
  - Learn from observing the current setting up of the DRD collaborations.
  - Find a scheme to reduce the number of proto-collaborations (merging) if more than 4 proposals
  - **Process could converge by 2030-2031**

FUTURE CIRCULAR COLLIDER

Unifying the HEP community to support FCC

- In these last three years, the IFNC has grown to include national contacts from all European countries, and has reached out to all large countries outside Europe, with dedicated information/collaboration meetings

- With Japan, there have been discussions but no contact has been confirmed yet given the ILC revived initiative.
- With China since there is direct competition, only general discussions have taken place, showing however that Chinese physicists would like to collaborate if FCC would move forward and not CEPC.

- To reach further consensus, inside each country, contacts for institutes eager to collaborate in FCC have been identified (>45 in the US, 15-20 in each of UK, Italy and France, 10 in Germany but growing and so on),
  ➔detailed picture of the FCC support is now identified, and is now showing a clear majority supporting FCC-ee.
- The minority is divided into
  1) those supporting a muon collider: many physicists of this community accept now that the muon collider is a second generation machine, hence feel less in competition with the FCC project.
  2) those supporting a linear option (mostly ILC-like) based on arguments which are sometimes contradictory (e.g. duration and cost when considering the necessary upgrades)
  3) those who would like to go directly to a FCC-hh, especially if CEPC would be built, even at lower energy than in the nominal hh project, however penalizing is such a plan in terms of cost and starting time delay.

- The FCC-ee IFNC has identified these physicists and participates in workshops in which scientific arguments are exchanged with them, and some physicists of the minority get convinced and eventually support FCC, but this is a slow process.
- The on-going strategy process in many European countries is also playing a positive role to further unite the community.

ECFA Panels: HET Factory Study (I)

Web page: https://ecfa.web.cern.ch/ecfa-study-higgs-ew-top-factories

- **Charge:**
- **Based on the recommendations of the [ESPP Update], ECFA is organising a series of workshops on physics studies, experiment design and detector technologies towards a future electron-positron Higgs/EW/Top factory.**

- ***The aim is to bring together the efforts of various e^+e^- projects, to share challenges and expertise, to explore synergies and to respond coherently to this high-priority strategy item.***

- **Current goal: update contribution sent to Snowmass exercise; write up in an ECFA White Paper (or CERN Yellow Report) for Dec 2025.**
- **Editors: A. Robson and C. Leonidopoulos**

- **HET Factory Workshops:**
  - **First: 2022 @ DESY (GE);**
  - **Second: 2023 @ Paestum (IT);**
  - **Third : 2024 @ Paris, October 9-11**

- **Task for RECFA:**
- **Impact on HET Factory study (its conclusion) and schedule of next EUSPP:**

  Since ECFA study has to feed/inform ESPP process, it should be ready in early Spring 2025.

ECFA Panels: HET Factory Study (III)

- **HET Factory study; focus topics in ArXiv report.**

1 **HtoSS** — $e^+e^- \to Zh$: $h \to s\bar{s}$ ($\sqrt{s} = 240/250\,\text{GeV}$)

2 **ZHang** — Zh angular distributions and CP studies

3 **Hself** — Determination of the Higgs self-coupling

4 **Wmass** — Mass and width of the W boson from the pair-production threshold cross section lineshape and from decay kinematics

5 **WWdiff** — Full studies of WW and $e\nu W$

6 **TTthres** — Top threshold: Detector-level simulation studies of $e^+e^- \to t\bar{t}$ and threshold scan optimisation

7 **LUMI** — Precision luminosity measurement

8 **EXscalar** — New exotic scalars

9 **LLPs** — Long-lived particles

10 **EXtt** — Exotic top decays

11 **CKMWW** — CKM matrix elements from W decays

12 **BKtautau** — $B^0 \to K^{0*}\tau^+\tau^-$

13 **TwoF** — EW precision: 2-fermion final states ($\sqrt{s} = M_Z$ and beyond)

14 **BCfrag** and **Gsplit** — Heavy quark fragmentation and hadronisation, gluon splitting and quark-gluon separation

+ ECR workshop on 8/11 (afternoon)

+ Public event on 8/11 (evening)

Extracts of the agenda (1st and 3rd day)

Wednesday 9/10

08:00

Registration
Amphi Farabeuf, Campus des Cordeliers, Paris, Metro Odeon 08:00 - 09:00

09:00

News from the local organizers
Amphi Farabeuf, Campus des Cordeliers, Paris, Metro Odeon 09:00 - 09:10

Welcome from IN2P3 and IRFU
Amphi Farabeuf, Campus des Cordeliers, Paris, Metro Odeon 09:10 - 09:25

ESPPU process and timeline; goals of the workshop
Amphi Farabeuf, Campus des Cordeliers, Paris, Metro Odeon 09:30 - 09:40

The need for a Higgs, Electroweak, and Top factory
Amphi Farabeuf, Campus des Cordeliers, Paris, Metro Odeon 09:45 - 10:10

10:00

Software for future colliders
Amphi Farabeuf, Campus des Cordeliers, Paris, Metro Odeon 10:15 - 10:30

coffee break
Amphi Farabeuf, Campus des Cordeliers, Paris, Metro Odeon 10:30 - 11:00

11:00

Parallel - WG2
Dirk ZERWAS, Fulvio Piccinini, Patrizia Azzi

Parallel - WG3
Felix Sefkow, Giovanni Marchiori, Dr Mary-Cruz Fouz

Parallel - WG1-PREC
Adrian Irles, Fabio Maltoni Maltoni, JORGE DE BLAS, Jenny List, Patrick Koppenburg

12:00

Friday 11/10

09:00

Generators and Theory developments needed for HET physics
Amphi Farabeuf, Campus des Cordeliers, Paris, Metro Odeon 09:00 - 09:25

Towards detectors for HET factories / tracking and vertexing systems
Amphi Farabeuf, Campus des Cordeliers, Paris, Metro Odeon 09:30 - 09:50

10:00

Towards detectors for HET factories / calorimeter and PID systems
Amphi Farabeuf, Campus des Cordeliers, Paris, Metro Odeon 09:55 - 10:15

Towards detectors for HET factories / electronics, mechanics, integration
Amphi Farabeuf, Campus des Cordeliers, Paris, Metro Odeon 10:20 - 10:40

coffee break
Amphi Farabeuf, Campus des Cordeliers, Paris, Metro Odeon 10:45 - 11:15

11:00

WG1 (physics potential):Subgroup-1 report/plans
Amphi Farabeuf, Campus des Cordeliers, Paris, Metro Odeon 11:15 - 11:25

WG1 (physics potential):Subgroup-2 report/plans
Amphi Farabeuf, Campus des Cordeliers, Paris, Metro Odeon 11:30 - 11:40

WG1 (physics potential):Subgroup-3 report/plans
Amphi Farabeuf, Campus des Cordeliers, Paris, Metro Odeon 11:45 - 11:55

12:00

WG1 (physics potential):Subgroup-4 report/plans
Amphi Farabeuf, Campus des Cordeliers, Paris, Metro Odeon 12:00 - 12:10

WG1 (physics potential):Subgroup-5 report/plans
Amphi Farabeuf, Campus des Cordeliers, Paris, Metro Odeon 12:15 - 12:25

Poster prizes and 10min talks by two winning posters
Amphi Farabeuf, Campus des Cordeliers, Paris, Metro Odeon 12:30 - 12:55

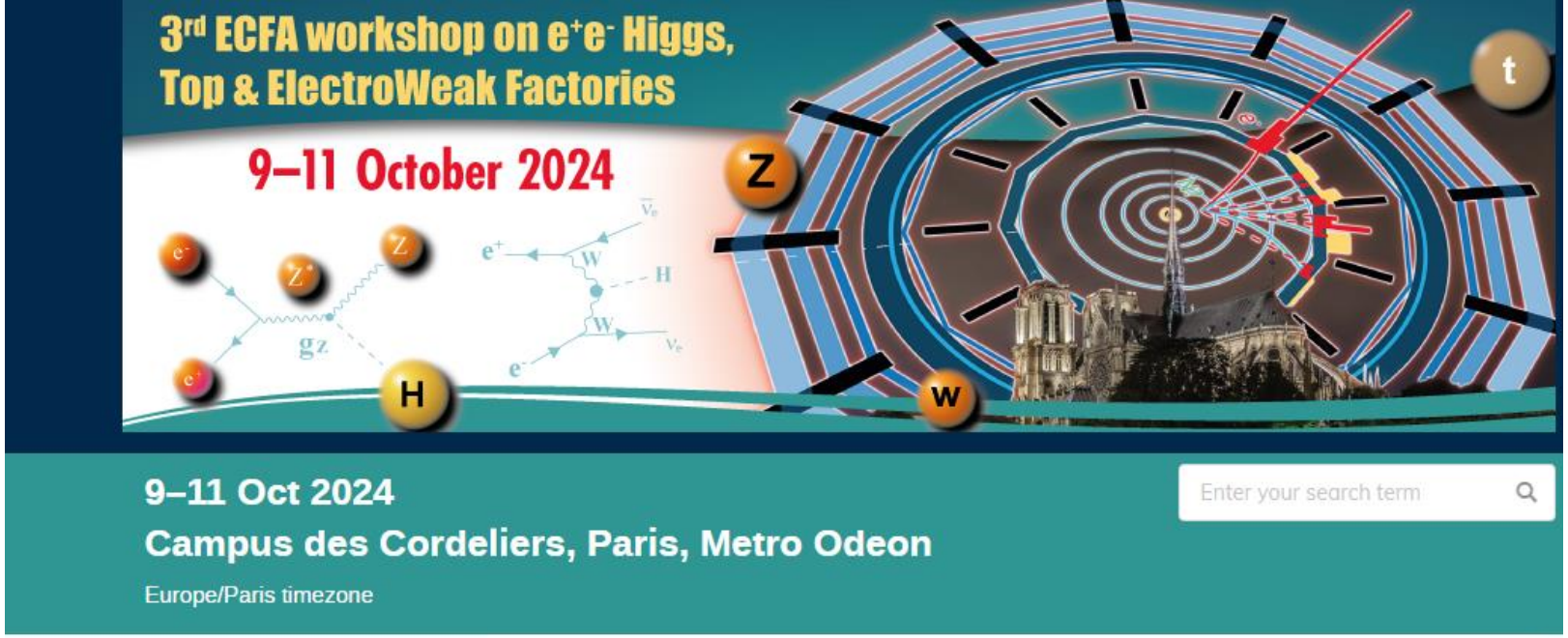
13:00

lunch break

ECFA Report: plans from WG3; discussion
Amphi Farabeuf, Campus des Cordeliers, Paris, Metro Odeon 15:05 - 15:20

Next steps and timelines for ECFA Report; approval process
Amphi Farabeuf, Campus des Cordeliers, Paris, Metro Odeon 15:25 - 15:35

Discussion: what is missing; how to engage in ESPPU process
Amphi Farabeuf, Campus des Cordeliers, Paris, Metro Odeon 15:35 - 15:50



9–11 Oct 2024

Campus des Cordeliers, Paris, Metro Odeon

Europe/Paris timezone

Enter your search term

- Overview
- Committees
- **Timetable**
- Call for Abstracts
- Contribution List
- Participant List
- Poster session
- Venue
- Accommodation
- Workshop poster

Contact

gregorio@in2p3.fr

svydelingum@apc.in2p3.fr

Timetable

mer. 09/10 | jeu. 10/10 | ven. 11/10 | All days

Print | PDF | Full screen | Detailed view | Filter

08:00 **Registration**
Amphi Farabeuf, Campus des Cordeliers, Paris, Metro Odeon 08:00 - 09:00

09:00 **Plenary**
Amphi Farabeuf, Campus des Cordeliers, Paris, Metro Odeon 09:00 - 10:30

10:00 **coffee break**
Amphi Farabeuf, Campus des Cordeliers, Paris, Metro Odeon 10:30 - 11:00

Tuesday

- 51 persons pre-registered
- 31 fully paid.
- More publicity this week

FCC: FRANCE – ITALIE 4-6 novembre, Venise

2nd FCC Italy & France Workshop

Nov 4 – 6, 2024
Venice
Europe/Rome timezone

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- Privacy

- Overview
- Registration
- Organizing Committees
- Organization for FCC Project in Italy and France & contacts
- Scientific Program
- (Preliminary) Agenda Skeleton
- Travelling to Venice
- Accomodation in Venice
- FCC POSTER

FCC Contact

FCC_Italy_France_conta...

The second joint FCC-France&Italy workshop on Higgs, Top, EW, HF and SM physics will take place at Palazzo Franchetti, in Venice from 4-6th of November 2024.

In 2020 CERN started a feasibility study for the construction of a Future Circular Collider (FCC) in the Geneva region with a circumference of about 100 km. An e+e- collider (FCC-ee), covering the energy range from the Z pole up to the top pair production threshold is the first step to collect incredible statistics of the heaviest particles of the SM. The FCC integrated project, that includes the hadron collider FCC-hh, offers an incredible discovery potential with a careful mixture of precision measurements sensitive to very weak couplings or to very heavy objects, and very high energies where the new heavy particle could be directly produced.
During this 5 year process, toward the preparation of a document for the next European Strategy for Particle Physics, it is important to perform all the studies needed to design detector concepts able to satisfy the needs of the extensive physics program and this workshop happens at a crucial time in the process.
In this workshop, the current status of the most recent advances in the R&D for the accelerator and detectors, will be presented. In addition, there will be sessions dedicated to the experimental and theoretical developments for the various physics topics, from Higgs and electroweak precision measurements to flavour physics (including top) and BSM sensitivities. Plenary sessions will be devoted to overall summaries of the current status of the various aspects, while the parallel sessions will focus on specific areas.
The workshop aims at intensifying French and Italian collaboration and participation to the FCC feasibility study through detailed studies on physics possibilities and the constraints that these entail on the detectors, and through accelerator and detector concepts studies and R&D.
The workshop will happen at a crucial time towards the preparation of the final document to be provided as input to the next European Strategy in Spring 2025 so we look forward to new inputs and contributions from the community at large.

Scientific Program

Physics Studies (theory and experiment)

- Higgs
- Electroweak
- Flavour
- Top
- Beyond Standard Model

Detector

- Vertex
- Tracking systems
- Electromagnetic Calorimenter
- Hadronic Calorimeter
- Muon
- PID
- Timing
- MDI

Accelerator

- MDI and Interaction Region
- Main Rings
- Collective effects
- Injector
- Booster

ECR Discussion

- Common IT-FR thesis proposals
- Researcher mobility between IT-FR
- How to combine work for LHC experiment and FCC?

Goals (a bit more detailed)

➔ Produce EOI for proto detector concepts A,B,C,D,E…

➔ Produce EOI for subdetectors:

EOI for muVTX-1 mu-VTX-2
EOI for DC, TPC, All silicon
EOI for Noble liquid, Dual-Readout, Calice-Like
EOI for HCAL-1, HCAL-2
EOI for Muon-Detectors: MD1, MD2
…

==========

- Identify at least 2 editors per subdetector (SD) note by September 2024
- Submit SD-EOI's by March 2025

- Identify at least one editor per subdetector for each detector concept (DC) by September 2024
- Submit DC-EOI's by March 2025

Conclusions

➔ Participate / Register to the ECFA-Paris and the FCC-France-Italie (Venice) workshops !

➔ Contribute to at least one EOI for subdetectors, or to a physics case (hence to the final FCC feasibility study)