FCC-France workshop organisation et réunion FCC-contacts

vendredi 29 mai 2026, 09:00 → 10:30 Europe/Paris

09:00 → 09:45 **FCC-France and international partners à Marseille en Novembre 2026** 45m

Orateur: Fares DJAMA (CPPM)

09:45 → 10:00 **Meeting FCC-Contacts: News de la stratégie, de FCC / Evolution vers la phase Reference Design** 15m

Orateur: Gregorio Bernardi (APC Paris CNRS/IN2P3)

10:00 → 10:25 **Tour de table** 25m

Orateurs: Bogdan Malaescu (LPNHE, CNRS), Catherine Biscarat (L2I Toulouse, CNRS/IN2P3, Université de Toulouse), Farès Djama (CPPM), Gaelle Boudoul (IP2I/AICP (CNRS/IN2P3)), Giovanni Marchiori (APC Paris), Jean-Baptiste De Vivie De Regie, Luc Poggioli (LPNHE Paris), Marco Delmastro (LAPP), Nicolas Morange (IJCLab), Roberto Salerno (LLR), Stephane Monteil (Laboratoire de Physique de Clermont - UCA/IN2P3), Suzanne GASCON-SHOTKIN (IP2I Lyon/Université Claude Bernard Lyon 1), Vincent Boudry (Laboratoire Leprince-Ringuet, CNRS/IN2P3, École polytechnique), Ziad EL BITAR (IPHC)

6th FCC France & International Partners Workshop,

Marseille, 25-27 Novembre 2026

FCC France 2026 :

Sessions

DETECTORS

Vertex	Auguste/Jeremy
Tracking/Timing	Didier/Gaelle/Philippe Schwemling
TPC	Paul Colas

Allegro Cal	Nicolas/Giovanni
ECal/ILD	Vincent/Jean-Claude Brient
Grainita	Giulia Hull/Stephane

Detector concepts: Didier/Greg/Roy

PHYSICS

Higgs-EW	Marco, Jean-Baptiste
HF	Stephane, Romain
QCD-Top	Bogdan, Roberto
BSM:	Suzanne, Giacomo Cacciapaglia

Software:	Louis, Ziad, Giovanni
Web:	Catherine, Luc, Greg
Com:	Gaelle, Giovanni, Marco

modélisation/impacts du background?

FCC France 2026 :

Possible layout

Mercredi a-midi

Welcome STATUS-Acc + MDI + acc-francais

1h30

Phys-1: Higgs / EW

1h30

Phys-2: Top / QCD
1h00

jeudi

Parallel 1 Calorimetry
2h00

Parallel 1 Tracking
2h00

Parallel 2 Calorimetry
2h00

Parallel 2 Tracking
2h00

Plenary: Vertexing / tracking/ CALO/Software

1h30

MDI.Background 45’
Detector Concepts and Other DRD’s
1h 30

ECR Session

1h00

Phys-3: Heavy Flavor/BSM

2h00

Outreach, Com, Web

1h00

Open session / Future

1h00

Outlook
0h30

Vendredi matin

DRAFT NOT PUBLIC ==== 6th FCC France and its International Partners Workshop, Paris

25–27 nov. 2026
Fuseau horaire Europe/Paris

Entrer le texte à rechercher

contact
gregorio@in2p3.fr
giovanni.marchiori@apc…
bogdan.malaescu@lpnh…

Dear Colleagues,

The sixth FCC - France and Iternational Patrners workshop will take place at CPPM in Marseille, in an in-person mode. Zoom connection will nevertheless be available.

It will take place from Wednesday, November 25, 2026, 14:00 to Friday, November 27, 13:00 on the Luminy campus, at CPPM and a neighboring building.

The workshop aims at reviewing the overall FCC status and the implications of the FCC French teams, in order to strengthen the synergies, and intensify the French participation in the FCC pre-TDR phase. Studies on physics and the constraints that this physics entails on detectors, in particular the physics of FCC-ee, but also FCC-hh will be presented. Progress on Theory and on Accelerator for FCC will be reported. There will also be dedicated societal/environmental and ECR sessions

The agenda and the registration conditions are being finalized.

Registration will open on June 15th

Please get ready to join us in Marseille !

Commence le 25 nov. 2026, 14:00
Finit le 27 nov. 2026, 14:10
Europe/Paris

Aucun document.

Physics Studies | Status & Goals

14:00
- Welcome from CPPM, IN2P3 and IRFU — 14:00 - 14:15
- European Strategy Update — 14:15 - 14:25
- Status of the FCC project — 14:30 - 15:00

15:00
- MDI Status and Plans — 15:05 - 15:25
- French Activities in Accelerator R&D for Future Colliders — 15:30 - 15:50

16:00
- Coffee break — 16:00 - 16:30
- New developments for the FCC-ee Physics program — 16:30 - 16:50

17:00
- Improvements in ZH cross section measurements — 16:55 - 17:10
- Precision measurements of Higgs branching ratios — 17:15 - 17:30
- Electroweak Physics — 17:35 - 17:55

18:00
- Top Physics potential — 18:00 - 18:20
- QCD - 1 — 18:25 - 18:40
- QCD studies with jets for FCC-ee — 18:45 - 18:55

19:00
- Welcome Reception

09:00

- ALLEGRO Hardware — *Zhibo Wu* — 09:00 - 09:15
- Octopus TPSCo VD (IPHC) — 09:01 - 09:16
- ALLEGRO SIM/Reco — 09:20 - 09:35
- MANTA TPSCo Tracking & PId (IPHC/IP2I) — 09:20 - 09:35
- ALLEGRO p-flow — 09:40 - 09:55
- CACTUS LF150 PID (IRFU) — 09:40 - 09:55

10:00

- Grainita -1 — 10:00 - 10:15
- CASSIA TJ180/TPSCo65 PID (CERN invit. or IPHC) — 10:00 - 10:15
- Grainita - 2 — 10:20 - 10:35
- Digitization (IP2I) — 10:20 - 10:35
- Calo ROC tests — 10:40 - 10:55
- Gas TPCs (IRFU or invit) — 10:40 - 10:55

11:00

- coffee break — 11:00 - 11:30
- High Granularly ECal: new model SiW — 11:30 - 11:45
- SEED VD concept (IPHC) — 11:30 - 11:45
- Photon Reconstruction with timing — 11:50 - 12:05
- VD + TK concept simulation (IP2I/IPHC) — 11:50 - 12:05

12:00

- Hadronic Resolution ecal/hcal ML — 12:10 - 12:25
- global reconstruction (PED - invited) — 12:10 - 12:25
- Lift Tracker/PID layer concept (IP2I) — 12:25 - 12:40
- Particle Flow — 12:30 - 12:45
- LF 110 sensor and VD/TK/PID concept invited (INFN) — 12:40 - 12:55
- Overview of Muon Systems — *Aleandro Nisati* — 12:50 - 13:10

13:00

- LGADs (test beam results) LPNHE — 12:55 - 13:10
- Lunch break — 13:15 - 14:30

14:00

14:00

- 13:15 - 14:30
- MDI, background — 14:30 - 15:15

15:00

- Overview of tracking activities in international context and integration in detector concepts — 15:15 - 15:35
- Overview of Calorimeter activities in international context and integration in detector concepts — 15:40 - 16:00

16:00

- FCC SW framework — 16:05 - 16:25
- Coffee break — 16:30 - 17:00

17:00

- Introduction — *Gregorio Bernardi* — 17:00 - 17:10
- ALFA — *Duccio Abbaneo* — 17:10 - 17:25
- ALLEGRO — 17:25 - 17:35
- CLD — 17:35 - 17:50
- ILD — *Dr Mary-Cruz Fouz* — 17:50 - 18:05

18:00

- IDEA — 18:05 - 18:20
- Discussion — *Didier Contardo* — 18:20 - 18:50

19:00

20:00

- Banquet

Overview
08:30 - 08:50

TALK 2
08:50 - 09:00

09:00
Discussion
09:00 - 09:30

Physics; Heavy Flavor and BSM: (Part 1)
09:30 - 10:30

10:00
Coffee break
10:30 - 11:00

11:00
Physics; Heavy Flavor and BSM: (Part 2)
11:00 - 12:00

12:00
CNDP: retour d'experience / etat — *Mattis Kennouche*
12:00 - 12:15

Point d'etape ateliers IN2P3 et strategie Com Institut — *Emmanuel JULLIEN*
12:15 - 12:30

Comm FCC@CERN — *Claire ADAM*
12:30 - 12:45

FCC France Web status — *Catherine Biscarat et al.*
12:45 - 13:00

13:00
Outlook
13:00 - 13:30

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FUTURE CIRCULAR COLLIDER

Outline

- Strategic decision: Baseline vs Ultimate design parameters
- CEPC non-selection aftermath: Visit of IHEP director to CERN
- List of PED deliverables in the Reference Design Phase
- DG townhall meeting @ CERN and MTP news
- Débat Public
- SAC meeting
- PED @ 118th ECFA Plenary meeting
- MDI work-package evolution (pre-warning)
- Coming events, and next PED Coordination meetings

Strategic decision : Baseline vs Ultimate

- With the end of the Feasibility study, the FCC design is no longer frozen
  - Many design modifications (improvements) are being studied/implemented
- Most noticeable changes include
  - Move away from GHC optics to LCC optics: less SR energy losses
    - 10% more luminosity for the same beam power (same cost), OR
    - Same luminosity with less beam power (cost savings)
  - Change RF frequencies: from 400/800 MHz to 650 MHz in the collider
    - Change made possible by the LCC optics
    - 20% less cavities and cryo-modules needed for Z/WW/ZH phase (cost savings)
    - Same frequency as CEPC + Booster frequency 1.3 GHz, same as ILC/XFEL
      - Standard frequencies : Possible in-kind contributions + design cost savings
- Strategic decision: Define two parameter sets
  - A baseline version, with performance similar to that of the FSR
    - Designed to be as cost-effective as possible (would then replace the descoped FCC)
  - An ultimate version, with cost similar to that in the FSR
    - Tuned for ultimate performance, with money from the aforementioned savings

Visit of new IHEP Director at CERN

- Official visit, after the non-selection of CEPC for the next five-years plan in China
  - Director of IHEP, Jun Cao
  - Head of IHEP International Collaboration Office, Mingshui Chen (CMS)
  - Head of Magnet Group, Qingjin Su
  - CEPC P(E)D coordinator and deputy, Joao Guimaraes (ATLAS) and Jianchun Wang (LHCb)
- They came to propose a participation of IHEP to FCC
  - They met first with the DG (and a CERN delegation) in the morning
  - They met with the FCC PL (and a FCC delegation, including Patrick and Guy) in the afternoon
- In the afternoon, Joao presented the work done by CEPC so far
  - Impressive achievements on the collider : they have a prototype for every element
  - On the detector side : “Reference CEPC detector” + other detector developments
- No formal conclusion, but the trend is as follows
  - The DG won’t have any MoU signed with IHEP before having the agreement from all MS
  - The PL sees the possibility of in-kind contributions (magnets, vacuum chamber, RF?, …)
  - No MoU is needed to have IHEP / Chinese institutes contribute to FCC PED
    - Provided they fit in our organisation, and contribute to FCC in a fully open manner
    - For example, all subsystems of their reference detector would be included in the FCC software
    - They would contribute to international detector EoI’s when the call is launched after project approval

List of PED deliverables during the RDP: Action needed

- Several documents have been requested by FCC PL
  - The RDP objectives (including the PED objectives) – document released to the Council
  - The RDP milestones (including the PED milestones) – to produce a master schedule
  - The RDP deliverables (including the PED deliverables) – being discussed as we speak
    - Towards work organisation, prioritisation in the context of a poor MTP, definition of delays
- All relevant documents are attached to the indico agenda for your perusal
  - The objective document is final
  - The master schedule is a working document
  - The PED-related deliverables are slides presented in a FCC PO meeting last week
    - Please check that you are (or not) happy with what was presented for your WP
    - Send your feedback asap – we'll have a second meeting next Monday (11 May)
    - Note: for MDI, more deliverables (not related to PED) will be presented in this 2nd meeting
    - Note: No deliverables presented for ECOI (which does not mean that ECOI does nothing)
- The deliverables presented will be compiled in a short document
  - About three pages per pillar
  - Your feedback will be requested (or not?)

Débat Public in France and Switzerland

	Mai	Juin	Juillet	Aout	Septembre	Octobre
Débat public fr		4/06 : 18h-21, **lancement du débat public**, *ArchPark à Archamps*	02/07 : **Réunion publique** thème **"MATEX et le chantier et impact paysagers"**, à Annemasse	Pause 1er au 15/08	08/09 : **Réunion publique** thème **"Impacts et opportunités socio-économiques"**, *à Valserhône*	01/10 : cloture du site internet du debat public
		17/06 : **Réunion publique,** thème **"Science & société"** *à Lyon*	08/07 : **Réunion publique**, thème **"l'eau et hydrogeologie"** (prélèvement, consommation, gestion, rejet, hydrogéologie), à Cruseilles	26/08 : **Le Forum des acteurs** (salon avec stands des parties prenantes), suivi d'un temps d'échange en plénière, *La Roche-sur-Foron*	21/09 : **webinaire** thème : **"Cycle complet, énergie, le raccordement"** (avec la présence de RTE), *en ligne*	
		23/06 : **Webinaire** thème **"les alternatives scientifiques / option zéro du projet FCC"**, *en ligne*	0/07 : **Webinaire** thème **"retour d'expérience EP/LHC"**, *en ligne*		TBC 24/09 : **Réunion publique** thème **"environnement et territoires"**, *à Annecy*	
					TBC 30/09 : **Dernière réunion publique** thème (en fonction des sujets ayant émergé au cours des 4 mois.), *à Ferney-Voltaire*	
Concertation ch	18/05 : **lancement de la concertation**, *Uni mail à Genève*	TBC, 25/06 matin : **Eclairage des controverses,** Thème 1 : **"FCC Pourquoi ici et maintenant"**, Genève	TBC, 07/07 : **Première permanence riverain,** *TBC, Suisse*	Pause 1er au 15/08	02/09 : **Seconde permanence riverain,** *Presinge ou choulex, Suisse*	01/10 18h-21h : fin de la concertation, **réunion de cloture**, *Cern (cloture du site internet de la concertation CH)*
	22/05 : **visite du Portail de la Science,** *CERN*	TBC, 26/06 matin : **Eclairage des controverses,** Thème 2 : **"Matex"**, *Genève*		27/08 matin : **Visite site OSL puis ALICE**, *CERN, France, (40 personnes)*	**Dialogue avec le monde economique, FER,** *Genève*	02/10 : cloture du site internet de la concertation suisse
	26/05 : **visite du Portail de la Science,** *CERN*	24/06 : **visite du Portail de la Science,** *CERN (en option)*		28/08 matin : **Balade exploratoire site PB,** *Presinge/choulex, Suisse, (40 personnes)*	**Dialogue avec les élus nationaux,** *Berne* / **Dialogue avec les élus cantonaux,** Genève	
		28/06 : **visite du Portail de la Science,** *CERN (en option)*		29/08 matin : **Atelier de travail cartographique riverain ,** thème **"focus implantation site PB" :** *Choulex ou Presinge, (40 personnes)*	18 et 19/09 : **Atelier de la relève,** (séminaire avec 30 jeunes), *CERN*	
					15/09 : **Webinaire** thème : **"Financement et coût du FCC"**	
Porte-parole généraliste du CERN à prévoir						
Porte-parole généraliste du CERN à prévoir **+ Experts**						
Événement commun France/Suisse envisagé						
Date définitive						

PED experts (designated by CNRS/IN2P3): G. Boudoul, M. Delmastro, M.H. Genest, J. Leveque, N. Morange, A. De Cosa, J. Andrea, (C. Grojean)

Anonymous participation by FCC supporters very welcome (in case opponents are massively present at these meetings)

SAC Meeting, 16 April 2026

Scientific Advisory Committee #11

Thursday 16 Apr 2026, 14:00 → 17:30 Europe/Zurich

Next SAC meeting during the FCC week

14:00 → 14:10	**Introduction**		10m
14:10 → 14:40	**Project status, new organization, goals, and schedule**		30m
	Speaker: Michael Benedikt (CERN)	260416_FCC upd... 260416_FCC upd...	
14:40 → 15:10	**Lattice review**		30m
	Speaker: Sofia Kostoglou (CERN)	FCCee_OpticsCo... FCCee_OpticsCo...	
15:10 → 15:40	**Plan for injector and DR**		30m
	Speaker: Dr Simone Gilardoni (CERN)	FCCee-SAC-2026-... FCCee-SAC-2026-...	
15:40 → 15:50	**Break**		10m
15:50 → 16:05	**Update on CE**		15m
	Speaker: Timothy Paul Watson (CERN)	260416_SAC.pdf 260416_SAC.pptx	
16:05 → 16:35	**Small caverns, cavern size, detector opening, services, surface sites**		30m
	Speaker: Olga Beltramello (CERN)	2026_04_16_SAC... 2026_04_16_SAC...	
16:35 → 16:40	**New PED organigram**		5m
	Speaker: Christophe Grojean (DESY (Hamburg) and Humboldt University (Berlin))	PED Organogram.... Attached to indico, conveners statistics	
16:40 → 17:10	**Descoped/Staged FCC-ee**		30m
	Speaker: Patrick Janot (CERN)	StagedFCCee-1.pdf Attached to indico, first comments on deliberation document	
17:10 → 17:30	**AOB**		20m

More to come about that

Worried

Satisfied

Concerned by any permanent descoping. Support expected.

FCC PED @ 118th ECFA Plenary Meeting, 9-10 July, NIKHEF

- Following the ESG recommendations, two FCC presentations proposed
  - One 30' talk on the accelerator (Frank Zimmermann, tbc)
  - One 45' talk on PED update
- PED presentation confirmed to Paris Sphicas
  - Speaker: Patrick Janot, confirmed by the Speaker's Büro
- Compulsory figures
  - Detector concepts: how they can benefit / what they need from the DRDs
    - I need inputs from Detector Subsystems (and maybe from Detector Studies) here
  - Descoped FCC: any alternate thoughts on the staging scenario
- Free figures
  - Will get inspiration from Physics Workshop and FCC week
  - WP Coordinators, please send me
    - ASAP: A bulleted list of important points you would like to be addressed for your WP
    - At the end of the FCC week: A few slides with illustrations and explanations

Coming events and workshops of interest

- Tracker and PID workshop, BNL, 5-8 May, register here POSTPONED to November
- Restricted Council meeting, Budapest, 22 May [adoption of the Updated Strategy]
- FCC Week, Helsinki, 8-12 June, register here
- Flavour Workshop, 2nd event: CERN, 16-19 June, register here
- Council meeting, CERN, 16-20 June [approval of FCC structure/objectives]
- FCC Precision school, CERN, 22-26 July, register here
- Theory workshop, CERN, 29 June - 03 July, register here
- Kick-off workshop on detector solenoids, Milano, 2-3 July
- 118th ECFA Plenary Meeting, NIKHEF, 9-10 July
- BNL/CERN school on physics at future colliders, CERN, 27 Aug-4 Sept, see here
- Workshop on Physics at FCC injector, CERN, ~2nd week of October (tbc)
- FCC Physics Workshop, beg. 2027, exact dates and location being discussed

Subject to modifications depending on the rooms availability

Day	Monday 8 Feb	Tuesday 9 June					Wednesday 10 June						Thursday 11 June					Friday 12 June	Day
Time	Plenary						Plenary											Plenary	Time
Room	Auditorium (F2044) (490 p.)	Pieni juhlasali (F4050) (200 p.)	Tekla Hultin (F3003) (130 p.)	F3017 (64 p.)	F3005 (50 p.)	F3020 (48 p.)	Auditorium (F2044) (490 p.)	Pieni juhlasali (F4050) (200 p.)	Tekla Hultin (F3003) (130 p.)	F3017 (64 p.)	F3005 (50 p.)	F3020 (48 p.)	Pieni juhlasali (F4050) (200 p.)	Tekla Hultin (F3003) (130 p.)	F3017 (64 p.)	F3005 (50 p.)	F3020 (48 p.)	Auditorium (F2044) (490 p.)	Room
08:30-09:00	Opening session	PED 1 Physics studies	FCC-ee optics design	Magnets	Electricity & Energy Management	IRIS EB 1	also available for PED if needed	PED 3 PSC	Optics Corrections	Magnet support & alignment	Integration	Industry Day	PED 7 Physics studies	Injector	injectors & extraction systems	MDI 2	FCC Baseline (SRF)	Summaries	08:30-09:00
09:00-09:30																			09:00-09:30
09:30-10:00																			09:30-10:00
10:00-10:30		Coffee Break					Coffee Break						Coffee beak					Coffee break	10:00-10:30
10:30-11:00	Coffee break	PED 2 Detectors	International Collaboration Board	Vaccum	RF Points and Cryogenics	IRIS EB 2	PED 4 Physics Studies	PED 5 Detectors	Collective Effects	Powering	Cooling & ventilation	Industry Day	PED 8 Dectectors	Booster overview	Beam intercepting devices	Safety	RF Hardware Development and System Integration for FCC	Summaries	10:30-11:00
11:00-11:30	Physics Keynote																		11:00-11:30
11:30-12:00																			11:30-12:00
12:00-12:30	FCC Status	Lunch break					conflict		Lunch break				Lunch break					Closing remarks	12:00-12:30
12:30-13:00	Lunch break																		12:30-13:00
13:00-13:30																			13:00-13:30
13:30-14:00		Scheduling, Planning and Resources	FCC-ee injector overview	Territorial Dialogue	MDI 1	IRIS WP and alignment 1	Operation and Performance	PED 6 Joint session PSC & Physics	Geodesy, Transport & Robotics		ECO	Industry Day	PED 9 Joint session PSC & Detectors	FCC-hh & High field magnets	RF System Performance and Beam Stability	Geodesy, Transport & Robotics	Scientific Advisory Committee		13:30-14:00
14:00-14:30	Overview by FCC coordinators																		14:00-14:30
14:30-15:00																			14:30-15:00
15:00-15:30		Coffee Break					Coffee Break												15:00-15:30
15:30-16:00	Coffee break	Systems Engineering and Project-wide integration	Injector Machine-Specific Designs and R&D Progress	Civil Engineering and MATEX	EPOL 1	IRIS WP and alignment 2	Nordic–Baltic Engagement in Large-Scale Research Projects	**PED @ FCC 2026: 9+2+2** 3 Physics Studies 3 Detectors 1 Software and Computing 1 Jt PSC & Physics 1 Jt PSC & Detectors 2 MDI 2 EPOL					SRF Technology Developments	Environment	Machine protection & Availability	EPOL 2			15:30-16:00
16:00-16:30	PED plenary																		16:00-16:30
16:30-17:00																			16:30-17:00
17:00-17:30		Poster session				Public Event													17:00-17:30
17:30-18:00																			17:30-18:00
18:00-18:30		Early Career Researchers																	18:00-18:30
18:30-19:00																			18:30-19:00
19:00-19:30	Welcome reception						Conference dinner												19:00-19:30
19:30-20:00																			19:30-20:00
20:00-20:30																			20:00-20:30
20:30-21:00																			20:30-21:00
21:00-22:00																			21:00-21:30
																			21:30 -22:30

PED @ FCC 2025 Vienna: 8+2+2
2 Physics case and Theory calculations
3 Detector concepts
1 Software and Computing
2 Physics Performance and Detector Requirements
2 MDI
2 EPOL

In-kind contributions during the reference design phase

Speakers: All WP coordinators, Patrick Janot (CERN)

Detector Studies

Speakers: Marc-Andre Pleier (Brookhaven National Laboratory (US)), Mogens Dam (University of Copenhagen (DK))

Table of institutes...

Machine Detector Interface

Speakers: Fabrizio Palla (Universita & INFN Pisa (IT)), Manuela Boscolo (INFN e Laboratori Nazionali di Frascati (IT))

260507 MDI in-ki...

Software and Computing

Speakers: Brieuc Francois (CERN), David Lange (Princeton University (US))

PSCInkindContrib...

COM Energy calibration, polarisation, monochromatisation

Speakers: Eric Torrence (University of Oregon (US)), Guy Wilkinson (University of Oxford (GB)), Jacqueline Keintzel (CERN)

EPOL_inkind_PED... EPOL_inkind_PED...

Physics Studies

Speakers: David d'Enterria (CERN), Jorge de Blas (Universidad de Granada (ES)), Matthew Philip Mccullough (CERN), Michele Selvaggi (CER
Patrizia Azzi (INFN Padova (IT))

FCC-PC-In-kind-c...

Education, Communication, Outreach, Inreach

Speaker: Claire Adam Bourdarios (CERN & CNRS / IN2P3)

To be discussed on additional fcc-contacts meeting on Friday June 19th

The CERN Council decided to update the European Strategy for Particle Physics

The Strategy recommendations confirmed that the full exploitation of the scientific potential of the LHC through the completion of its high-luminosity upgrades remains the highest medium-term priority for European particle physics.
For the longer term, the electron–positron Future Circular Collider (FCC-ee) was recommended as the preferred option for the next flagship project at CERN, thereby maintaining Europe's leadership in the field.

The FCC-ee would offer the broadest exploratory programme in fundamental physics, with outstanding discovery potential. It would provide a visionary physics programme addressing many of the open questions in particle physics, notably about the Higgs boson, that are critical to understanding the foundations of the Standard Model and opening up opportunities for discovering new physics beyond the Standard Model. At the same time, the FCC-ee would drive the development of new technologies and train thousands of early-career scientists, engineers and technicians.

In addition to updating the Strategy, the Council has invited the CERN Management to initiate discussions with the relevant authorities and entities in the Member and Associate Member States, as well as non-Member States and the European Union, with a view to developing a financially feasible funding plan for the possible FCC-ee project. In the next two years, the CERN Management will provide annual reports on the implementation of the Strategy update and the necessary information to support national decision-making processes so that the Council will be in a position, by 2028, to take a decision on the FCC-ee, taking into account elements such as the scientific, technical and financial feasibility of the project, as well as results from the public consultation exercises in CERN's Host States, France and Switzerland.