

Reunion FCC-contacts

 vendredi 16 oct. 2026, 09:00 → 10:30 Europe/Paris

- 09:00** → 09:30 **News de la stratégie, de FCC / Evolution de FCC-France**  30m
Orateur: Gregorio Bernardi (APC Paris CNRS/IN2P3)
- 09:30** → 09:45 **FCC-France workshop, with its international Partners à Marseille en Novembre 2026**  15m
Orateurs: Fares DJAMA (CPPM), Gregorio Bernardi (APC Paris CNRS/IN2P3)
- 09:45** → 10:05 **Demandes RH pour 2027: Priorisation**  20m
Orateurs: Giovanni Marchiori (APC Paris), Gregorio Bernardi (APC Paris CNRS/IN2P3)
- 10:05** → 10:30 **Tour de table - Evolution des activités**  25m
Orateurs: Catherine Biscarat (L2I Toulouse, CNRS/IN2P3, Université de Toulouse), Farès Djama (CPPM), Gaëlle Boudoul (IP2I/AICP (CNRS/IN2P3)), Giovanni Marchiori (APC Paris), Jean-Baptiste De Vivie De Regie, Luc Pogglioli (LPNHE Paris), Marco Delmastro (LAPP), Nicolas Morange (JCLab), Stephane Montell (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)

- News from CERN management
- End of FCC public debate : what's next?
- Impressions and news from China
- FCC series in CERN Courier
- Bunch crossing time
- RF review
- FCC PED EPJ Collection (aka FCC week proceedings)
- Coming events, and next PED Coordination meetings

IV. CONCLUSIONS

The European Strategy update identified the FCC-ee as the clear preference for CERN's next flagship collider, with a descoped/staged version as the alternative option. Consequently, CERN is strongly focussed on progressing the FCC-ee as the sole option for CERN's next flagship collider.

The development of the options analysis documentation, described herein, is to support the FCC-ee decision-making processes in CERN's Member States that require such an approach. The choices of LEP3 and LCF250 for the options analysis documentation is intended to provide illustrative scenarios that are lower in cost than that of a descoped version of FCC-ee. These choices are in no way meant to prejudice a decision on the future direction for CERN in the event of the FCC-ee not being approved. If necessary, this would be the topic of a future limited European Strategy for Particle Physics process.

- 10 slides on FCC; 3 on LS3; 15 on HL-LHC (machine and detector upgrades)
 - No further mention of the option analysis, which will be implemented as described

FCC-ee Summary

The next two years will be critical to our success

- **FCC-ee** is the best option for the future of CERN and for global particle physics
 - **the outcome of the European Strategy Update was crystal clear**
- **At CERN, we are doing everything possible to ensure the realisation of FCC-ee**
 - FCC provides a strong and compelling vision for Particle Physics and for European Science and Technology

It is important that the whole CERN community gets behind our collective goal to secure FCC-ee as CERN's next flagship collider



FUTUR
COLLISIONNEUR
CIRCULAIRE

Public debate

The framework, first takeaways and follow-up

09/10/2026

4 months of exchange: from May to October 2026



20
public events
on the Swiss
side



40
public events
on the French
side



Internal
Mobilisation

≈ 100

CERN internal
speakers and
participants in the
process

All CERN directorates were mobilized, relevant partner
laboratories/institutions, down to CERN retirees.



The key
figures
selection

≈ 3500

participation
across all
events



360

questions
received



76

actors
notebook



coming
up_{selection}

1st december : Official Feedback Public report in FR & CH
1st march: Official Public Response from CERN
2027: Continuum concertation process



FUTUR
COLLISIONNEUR
CIRCULAIRE

Public debate

The framework, first takeaways and follow-up

09/10/2026

FCC Public Participation in 2026

Four months of dialogue, information and debates in France and Switzerland on the subject of the FCC.



In France, this is a regulatory procedure: the National Commission for Public Debate (CNDP) will organise and lead the public engagement process.

02/06/2026 – 01/10/2026

Website :

→ <https://www.debatpublic.fr/projet-accelereur-particules>



In Switzerland, CERN has appointed a consortium of public participation experts to manage the process, with an independent approach and the involvement of trusted third parties.

18/05/2026 – 02/10/2026

Website :

→ www.concertation-fcc-cern.ch

The aim is to inform and discuss the FCC, gather public views and inform the CERN Council's decision in 2028.


 FUTUR
COLLISIONNEUR
CIRCULAIRE

Public debate

The framework, first takeaways and follow-up

09/10/2026

Key figures

76

distinct papers
analysed

53 from the French
public debate, 23 from
the Swiss consultation

51 %

are favourable
to the project

39 papers : Explicit
support or support
with conditions
(information, exchange
with CERN, etc.)

12 %

are neutral

9 papers : Takes no
position, or "neither
approval nor
opposition"

16 %

are reserved

11 papers: Explicit
reservations, refusal
to endorse as it stands

21 %

are opposed

17 papers: Declared
opposition, or a call for
abandonment, a
moratorium or
postponement

29

10

9

11

17

These analyses are still preliminary and give a first indication of the trends emerging from this participation tool, namely the *cahiers d'acteur* (stakeholder papers).

update 08/10/2026

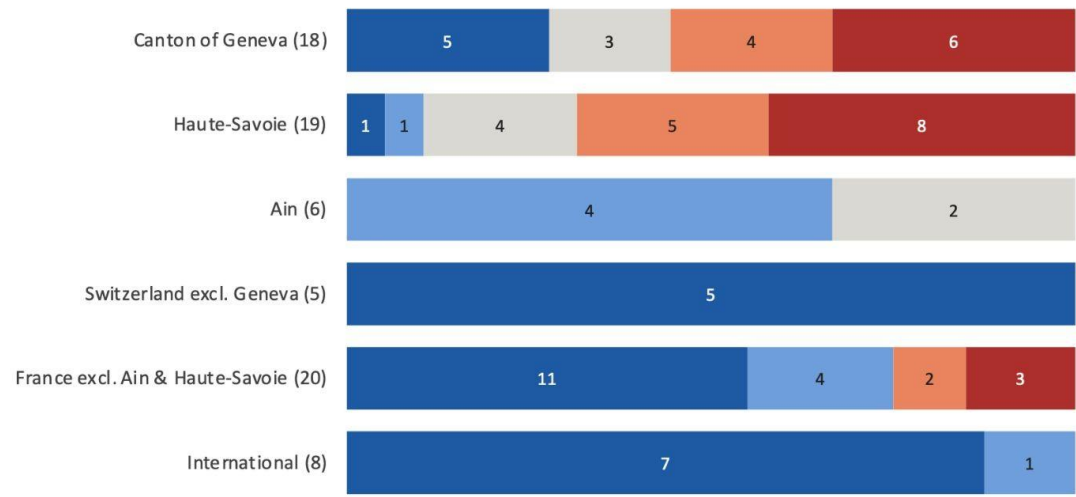


Public debate
The framework, first takeaways and follow-up

09/10/2026

The closer to the project, the stronger the reservations

■ Favourable
 ■ Favourable with conditions
 ■ Neutral
 ■ Reserved / critical
 ■ Opposed



Host area · 43 papers

■ **26%** favourable

■ **53%** reserved or opposed

Outside host area · 33 papers

■ **85%** favourable

■ **15%** reserved or opposed



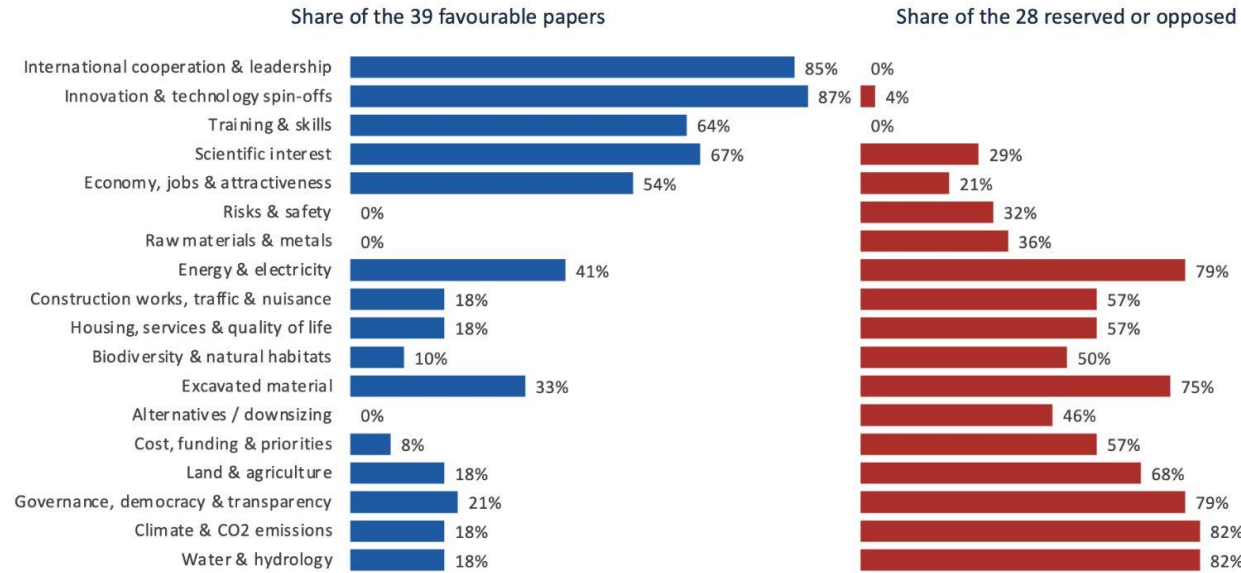
FUTUR
COLLISIONNEUR
CIRCULAIRE

Public debate
The framework, first takeaways and follow-up

09/10/2026

stakeholder papers Two lines of argument that rarely meet

Ex . 87% of favourable papers develop innovation and technology spin-offs; 82% of reserved or opposed papers develop water.



Supporters talk about **science, innovation and cooperation**. Reserved or opposed papers talk about **climate, water, energy, land and governance**, often without discussing the scientific case.



FUTUR
COLLISIONNEUR
CIRCULAIRE

Participation du public – FCC
GCDT40

06/10/2026

Next step



Last month GW visited Beijing and spent a day at IHEP (thank you to Joao and colleagues for being such good hosts !). Some impressions and news:

- Genuine enthusiasm for FCC-ee ! Formal agreement still needs time (CERN management will visit 'soon')
- Strong areas of contribution now / will soon include:
 - Detector Concepts
 - Software and computing: contributions to general tools will ramp up early in New Year once AGORA description work is complete. Suggested areas include event displays, AI...
 - MDI and EPOL: we already have excellent collaboration with Zhe Duan. More generally, we are told that they are open to ideas for performing useful machine studies / tests at BEPCII
- Important point brought up by Joao: can we arrange at least *some* of our meetings to be take place during CERN mornings, to be more accessible for our Chinese friends, esp. for Detector Concepts ?

The plan is to publish 6 (+?) articles in successive editions, starting Jan-Feb.

First article will be an introduction to the machine and project, written by Frank Zimmermann. Drafting is already underway.

From the PED side we had preliminary discussions, and collected inputs. Below contributions are confirmed (but publication order not decided upon):

- Flavour at FCC-ee (authors to be defined)
- Tera(nno)-Z(aurus) Rex (working title) - focus on Tera-Z, with emphasis on challenges of Z scan and on interpretative power of measurements (authors to be defined)
- Detector concepts (sexy title to be found) - Marc-Andre and Mogens

Other possibilities under active consideration include MDI and (probably) another Physics Study topic - but which one ?

- We started in March 2026 a discussion on bunch crossing time at FCC-ee
 - See [this presentation](#) from Christian Carli and Frank Zimmermann
 - Motivation: issues related to electron cloud during the Z pole run
 - Present filling patterns described in regular 25 ns spacing
 - Studies of other patterns:
 - Bunch trains with 5 ns internal spacing
 - Pairs of, or groups of four, bunches spaced by 10 ns
 - Regular bunch positions with spacing between 25 and 50 ns
- Detector concept responsables need some feedback on the ongoing studies
 - ... and are not particularly fond of the 5 / 10 ns solutions
- Hannes Bartosik* promises a conclusion “by the end of the year”
 - Frank Z.* has been and still is skeptical that e-cloud will be solved by shorter BX times
 - ... and promised a bottle of (good?) champagne if it eventually does

- A RF external review is going on as we speak (yesterday and today)
 - Pros and cons of different frequencies are discussed
 - 400 MHz (so far used for the Z, WW, and ZH runs), Nb/Cu technology
 - 800 MHz (so far used for the top runs), bulk Nb technology
 - 600 MHz (not used so far, but closer to frequencies used elsewhere in the world)
 - The latter seems to gather a number of advantages
 - It can be used throughout the whole FCC-ee programme, from the Z to the top
 - At the expense of more instabilities at the Z pole, which may require the total current to be reduced (resulting in a 12% smaller instantaneous luminosity)
 - Mitigation methods – including adding one year of running at the Z pole – are envisioned
- A more detailed summary will be reported when the review is over

1. **Journal:** [EPJ Techniques and Instrumentation](#) (EPJ TI)
2. **Working title:** FCC Physics-Experiment-Detector towards Reference Design Phase
3. **Dedicated EPJ webpage:** [here](#)
4. **List of guest editors** (role: encourage submissions and suggest potential referees)
 - Manuela Boscolo (Frascati)
 - Gerardo Ganis (CERN)
 - Christophe Grojean (DESY and Humboldt University)
 - Carlos Lourenco (CERN)
5. **Letter of agreement signed**
6. **Practicalities:**
 - Template available at this [link](#). Not need to stick for the template for the submission (manuscripts will be formatted according to the journal's style by our production team after acceptance).
 - Submission guidelines available at this [link](#)
 - Format (very flexible, something between 5 and 15 pages for each contributions seems reasonable but shorter or longer contributions can be accommodated)
 - arXiv posting prior to submission or publication are welcome
 - Peer review process handled by journal Associate Editors (guest editors will be asked to suggest potential referees to the journal's editors when needed).
 - Submission deadline: 15/11/26.
 - Review process by the end of the year.

Tentative list of contributions:

1. *"Graph Neural Network Neutral Pion Identification for Noble Liquid Calorimetry Optimization"*: J. Fanini, B. François, D. Garcia, N. Morange,
2. *"Machine Learning Enables Real-Time Waveform Decomposition for Dual-Readout Calorimetry"*: Q. Liu, M. Lucchini, J. Gonski, M. Campajola, S. Moneta, L. Wu
3. *"Watts per Event: Sustainable HIJING++ Heavy-Ion Monte Carlo Generation for the FCC Era"* (arXiv:2607.05018, submitted to EPJ Techniques and Instrumentation Collection, but maybe more suited for the PED collection): G. Barnaföldi, G. Bíró, S. Molnár, G Papp
4. *"Optimised jet flavour tagging and extraction of CKM matrix elements in WW events at FCC-ee"*: G. Daniels, L. Mason, M. Defranchis, M. Selvaggi, A. Sciandra, A. Jung.
5. *"Optimization of the IDEA Muon System for Standalone Muon Track Reconstruction at FCC-ee"*: M. Althakeel, P. Azzi, S. Braibant, R. Farinelli, B. Francois, P. Giacomelli, A. Loeschcke Centeno.
6. *"Generators of Incoherent Pair Production at FCC-ee"*: J. Eysermans
7. *"Precision Calculation for FCC-ee: Status Plans"*: M. Zaro, S. Delorme, I. Dubovyk, J. Gluza
8. *"Dark photons in exotic Higgs boson decays at the FCCee"*: S. Abdesselem, G. Ripellino, R. Gonzalez Suarez, A. Gallén. [arXiv](#)
9. *"Recent Progress on Optical Calorimeter R&Ds for Future Experiments - DRDCalo WP3"*: H. Yoo
10. *"Tracking Reconstruction with drift chambers at FCC-ee"*: B. François, P. Azzi, A. Ponomareva, A. De Vita
11. *"ParticleTransformer is all you need for reconstructing hadronic tau leptons"*: L. Tani, T. Lange, J. Pata, S. Nalong-Norman
12. *"Impact of the ARC Detector on Particle Flow Reconstruction"*: D. Garcia, M. Selvaggi, T. Golling, V. Riechers
13. *"Geometry-native track reconstruction at FCC-ee with CIRCE, a conformal geometric algebra transformer"*: M. Čechovič, A. De Vita, A. Bouali Kassem, E. Šikudová, D. Garcia, B. François
14. *"k4Bench: a detector-agnostic performance benchmarking suite for key4hep"*: J. Beirer, A. Loeschcke Centeno
15. *"TPC Studies for High-Luminosity e^+e^- Colliders: Beam Background Simulation and High-Granularity Readout R&D"*: J., H. Qi
16. *"Unveiling Light-Quark Yukawa Flavor Structure via Dihadron Fragmentation at Lepton Colliders"*: X.-K. Weni
17. *"Event generation on heterogeneous architectures, AI-assisted detector design at the interface of machine and detector"*: S. Bhattacharya et al
18. **New**: *"CLD Detector Concept"*: Jinlong Zhang et al.

FCC Physics, Experiments, Detectors

Charting the Path Towards FCC-ee Approval

Second digest, featuring:

- Our “testbeam” news made it up to cern.ch
- The “point de vue d’un collectif de scientifiques” on the need for FCC
- Opening of the Globe exhibit, which content will be translated and made available to all + stay over 2027
- A Grainita and (soon) and MDI news piece
- Announcement of our Nov 2-4 “ECOI brainstorming @IdeaSquare”, for which I’ll run after some of you !



15 October 2026

PED Monthly Digest : October 2026

Digest

October 15, 2026 You are currently viewing the second PED Monthly Digest, bringing together announcements,...



16 September 2026

PED Monthly Digest : September 2026

Digest

Very first PED Monthly Digest, featuring invites to workshops and recent presentations. Enjoy!

Brieuc François, David Lange

- ❑ Started a **~weekly digest of code addition/modification** relevant for users. Happy to receive feedback on how to make it more useful
- ❑ **Data preservation** and open data being discussed with CERN IT, should implement a **policy** for FCC earlier than later
- ❑ Contact made with **DRD1 to discuss their usage of Key4hep**
- ❑ Will soon have a discussion with **AGORA** about including their software **in the FCC/Key4hep ecosystems**
- ❑ New events:
 - ❑ Key4hep developer workshop at CERN December 7-9 (<https://indico.cern.ch/event/1739087/>)
 - ❑ FCCAnalyses hackathon at CERN December 9-11 (<https://indico.cern.ch/event/1736195/>)
 - ❑ [Not PSC related] DRDCalo collaboration meeting placed on purpose right after the FCC week (week of April 19th), in Valencia

- Call for two additional Detector Concepts co-conveners:
 - Shortlist interviews to start soon
- Systems Engineering and Integration Coordination Meetings
 - Meetings at: <https://indico.cern.ch/category/21009/>
 - Access rights should now be fixed, please check
 - Collecting detector requirements which may impact significantly Civil engineering (experimental and service caverns), such as cryogenics. How about CO2 cooling? Establish contact with EP-DT for this ?
 - Planning a meeting with all study group leads and Olga
- Detector Concepts monthly plenary last week Monday
 - <https://indico.cern.ch/event/1708416/>
 - Impressive progress reports from ALFA, ALLEGRO, ILD
 - Tracker & PID update also triggered useful discussions on 3 vs. 2 T, physics-MDI-lumi tradeoffs, bunch spacing discussion (“continuous beams”): request update from accelerator side on current status
 - [Jan’s slides](#) in first PED general meeting to be picked up FCC Tracking/PID workshop, November 16-20 @ CERN
<https://indico.cern.ch/event/1660971/>
 - Next General Monthly: Monday 02 November 2026, 16:00, <https://indico.cern.ch/event/1726483/>
- Still looking for volunteer to serve as contact with ECOI for DetCon webpage

Patrizia Azzi, Jorge de Blas, David d'Enterria, Matthew McCullough and Michele Selvaggi

- **General Meetings**

- 1st meeting well attended (up to 180 participants) on Oct. 1st:
<https://indico.cern.ch/event/1733820/>
- Format:
 - Summary of recent activities (e.g workshops, recent meetings)
 - Topical discussion involving most PED WPs (phys., detectors, MDI, SW)
 - Plus suggestions

- **Future meetings dates:**

- Next one is **Nov. 25 (Wednesday!)**
- All the others are on Thursdays
- Agenda of the next meeting to be defined
 - open to suggestions

July 2027		
	Jul 15	FCC PED General Meeting 
June 2027		
	Jun 17	FCC PED General Meeting 
May 2027		
	May 20	FCC PED General Meeting 
March 2027		
	Mar 18	FCC PED General Meeting 
February 2027		
	Feb 18	FCC PED General Meeting 
January 2027		
	Jan 14	FCC PED General Meeting 
November 2026		
	Nov 25	FCC PED General Meeting 

- Jet-flavour-tagging & “edm4hep for archived LEP data” subgroups “upgraded” to full Phys. WGs.
- Some physics groups are more active than others
 - EWK, QCD, JetTagging, Reco, BSM, Flavor , FCC-hh, LEP data, ..
 - for others the activity still ramping up
 - will be triggered by new MC campaign (full and fast sim)
- Next Phys Coord meeting planned for 22/10 (Sept. meeting. overlapped with the FCC-BSM workshop)
 - CERN Courier article proposals for discussion
 - proposal from Guy: Z-lineshape challenges (TH, EXP, indirect BSM reach, debunking another LEP run)
 - Another physics article could: Direct vs Indirect BSM, in FCC-ee-hh ?
 - would strengthen the idea that despite FCC-ee being the next step, FCCee + hh is an integrated project

- **Planned workshops in 2026:**

- **26-29 Oct**, FCC Reconstruction Workshop

<https://indico.cern.ch/event/1719015/>

- **Planned workshops in 2027:**

- **19-22 Jan**, FCC Flavor Workshop: <https://indico.cern.ch/event/1727134/>

- **27-29 Jan**, FCC EWK, Higgs and Top <https://indico.cern.ch/event/1728862/>

- **8-12 Feb**, Many Facets of Precision: FCC-ee 2027 Winter meeting (Joint EW+Precision Calculations+Top+QCD+MC) <https://indico.cern.ch/event/1727272/>

- PED Monthly General Meetings (including this one), agendas [here](#)
- Reconstruction workshop, CERN, 26-29 October 2026, register [here](#)
- Polarisation at $\sqrt{s} = 125$ GeV, kick-off meeting, CERN, 2-3 November 2026, register [here](#)
- ECOI workshop, CERN, 2-4 November 2026, register [here](#)
- Tracking and PID workshop, CERN, 16-20 November 2026, register [here](#)
- 119th ECFA Plenary meeting, CERN, 19-20 November 2026, register [here](#)
(We'll have a ~25' PED presentation there – something that'll become recurrent)
- FCCAnalyses Software hackathon, 9–11 Dec 2026, register [here](#)
- Flavour workshop, part III, CERN, 19-22 January 2027, register [here](#)
- Higgs, EWK and Top workshop, CERN, 27-29 January 2027, register [here](#)
- Many facets of precision, part II, CERN, 8-12 February 2027, register [here](#)
- General PED/Physics workshop (+FCC Week), Madrid, 12-16 April 2027, register [here](#)

Prochains meetings FCC-contacts

17 Juillet

18 Septembre

16 Octobre

13 Novembre

→ EAP 17 Novembre 2026 à 15h

25-27 Novembre: FCC-France workshop

11 Décembre → Chaired by Giovanni

Sera annoncée durant FCC-France

Vendredi

12:15 → 12:45 **Perspectives IN2P3 / IRFU**

🕒 30m

Orateurs: Dr Christelle ROY (IPHC), Dr Franck Sabatié (CEA Saclay), Jerome Schwindling (CEA Saclay), Laurent Vacavant (IN2P3)

12:45 → 13:00 **Outlook : FCC-PED-France during the RDP** [🔗](#)

🕒 15m

Orateur: Giovanni Marchiori (APC Paris)

FUTURE CIRCULAR COLLIDER						
jeremy andrea	jandrea@in2p3.fr	IPHC	23 sept. 2026, 21:38	En attente du paiement	Pas encore payé	
auguste besson	abesson@in2p3.fr	Institut Pluridisciplinaire Hubert Curien	16 sept. 2026, 08:20	En attente du paiement	Pas encore payé	
Catherine Biscarat	biscarat@in2p3.fr	L2I Toulouse, CNRS/IN2P3, Université de Toulouse	6 oct. 2026, 10:53	Terminé	Pas encore payé	
JEAN-PAUL BURNET	jean-paul.burnet@cern.ch	CERN	6 oct. 2026, 09:40	Terminé	Pas encore payé	
Paul Colas	paul.colas@cea.fr	CEA/Irfu Université Paris Saclay	15 oct. 2026, 14:58	En attente du paiement	Pas encore payé	
Didier Contardo	contardo@ip2i.in2p3.fr	IP2I CNRS/IN2P3	18 sept. 2026, 09:52	En attente du paiement	Pas encore payé	
Marco Delmastro	marco.delmastro@cern.ch	LAPP	28 août 2026, 11:11	En attente du paiement	Pas encore payé	
Adriano Di Florio	adriano.di-florio@cc.in2p3.fr	CCIN2P3	15 oct. 2026, 15:20	En attente du paiement	Pas encore payé	
Ziad EL BITAR	ziad.elbitar@iphc.cnrs.fr	IPHC	29 sept. 2026, 10:21	Terminé	Pas encore payé	
Paolo Giacomelli	paolo.giacomelli@bo.infn.it	INFN Bologna and CERN	28 sept. 2026, 12:13	Terminé	Pas encore payé	
Emmanuel JULLIEN	emmanuel.jullien@cnrs.fr	CNRS Nucléaire & Particules	7 oct. 2026, 08:59	Terminé	Pas encore payé	
Keon Hee Kim	keon-hee.kim@ganil.fr	GANIL	13 oct. 2026, 14:01	En attente du paiement	Pas encore payé	
Imad Laktineh	i.laktineh@ip2i.in2p3.fr	{UNIV CLAUDE BERNARD}UMR5822	1 oct. 2026, 13:37	Terminé	Pas encore payé	
Hao LIANG	liang@llr.in2p3.fr	LLR, CNRS, École polytechnique, France.	2 oct. 2026, 18:19	Terminé	Pas encore payé	
Bogdan MALAESCU	malaescu@in2p3.fr	LPNHE, Paris, FRANCE	9 oct. 2026, 21:34	En attente du paiement	Pas encore payé	
Jerome Schwindling	jerome.schwindling@cea.fr	CEA Saclay	25 sept. 2026, 10:27	Terminé	Pas encore payé	
JUBA TAMAZIRT	juba.tamazirt@ijclab.in2p3.fr		30 sept. 2026, 17:44	Terminé	Pas encore payé	
Xin XIA	xin.xia@ijclab.in2p3.fr	IJCLab - CNRS	1 oct. 2026, 17:03	Terminé	Pas encore payé	

Demandes budgetaires

	MADRID FCC week	FCC IFNC/FGC	FCC-France	FCC-meet CERN	FCC- wkshop	TOTAL (k€)	ASKING (k€)	rappel dotation	main master projet	Prévisions Physiciens: 15% FTE ou plus en 2027 FTE = FTE-FCC+FTE-DRD reliés à FCC (ALLEGRO, SEED etc...) * = stages L3,M1 encadrés(+0,1FTE), M2 déclarés séparéments	Prévisions Physiciens entre 5 et 10% en 2027 et émérites à temps partiel	tot FTE >15% exp-phys	total FTE all exp-phys	total: all exp-phys & FTE_IT
COUT->	1900	1200	500	400	5000	TOT	2027	2026						
APC+FCC-FR	7600	6000	2000	2000		17,6	18	14	allegro	BER(0,7*), MAR(0,6*), MAZ (0,3),FOU(0,5),YUD(0,3) M27(0,2)	BOM(0,1), POG(0,3))	2,6	3,0	3,0
FCC-Wkshop					5000	5,0	5	3		ALL				
CPPM	1900		1000	2000		4,9	5	6	allegro	DJA(0,35*), LUO(0,9)	BAM(0,1),MON(0,05)	1,3	1,4	1,6
IJC Lab	5700		2500			8,2	8	8	allegro	MOR(0,4*)	SER(0,1),FOU(0,1)	0,4	0,6	0,8
									physique	MAR(0,2), AGA(0,2), DGR(0,2)		0,6	0,6	0,6
									grainita	SCH(0,3),KLE(0,3)	AMH(0,05),BAR(0,05), LEF(0,35)	0,6	1,1	1,6
IPHC	3800		2000	3200		9,0	9	9	gram	AND(0,2), ELB(0,5),CON(0,2), CPJ (0,5), SEN(0,2), BER (0,5), MED (0,3)	BAU(0,1),BES(0,1)	2,4	2,6	3,1
IP2I	5700		3500	1600		10,8	11	9	gram	BOU(0,6), CON (0,6),GAS(0,5), DAN(0,3),VER (0,3), SAB (0,5),M26(0,2),F	GRE(0,05),LAK(0,05),MIR(0,05)	3,3	3,5	5,5
LAPP	5700		2000	2000		9,7	10	9	allegro	ARN(0,2),BOU(0,1),DEL(0,3*), GAG(0,2),LEV(0,1),PD1(0,5)		0,9	1,1	1,1
LLR	3800		1500	1600		6,9	7	9	ecal	BOU(0,50*), CHA(0,15*), SAL(0,45*), SHYI(0,5), HAL(0,5),M26(0,2)	BRI(0,1)	2,3	2,4	2,4
LPCA	3800		1500	4800		10,1	10	6	grainita	CHA(0,3),MAD(0,2), MON(0,2), YER(0,9),WEB(0,9),MOE(0,9),LEM(0,2),DIV(0,2)		3,2	3,2	3,4
LPNHE	7600		2000	400		10,0	10	6	gram	MAL(0,3), BLO(0,6), CAL(0,3), ZIT(0,15), RAC(0,3*)		1,7	1,8	1,9
LPSC	3800		1000	1200		6,0	6	6	allegro	DEV(0,2),PAN(0,15),JC(0,2)		0,6	0,6	1,1
L2IT	1900	0	1000	0		2,9	3	0	computing	BIS(0,15)	STA(0,05), VAL(0,05)	0,3	0,3	0,3
TOTAL-2027	51300	6000	20500	19200	10000	101,1	101	85				19,5	21,4	25,1

FTE from detailed tables

11,85	6,8	4,4	2026	21,9	21,9		tot'26				27,1	12,9	9,8	4,4
12,9	9,8	4,4	2027	26,7		26,7	tot'27				total 2027			

PhD

2027-2030 ?????

2025-2028 Tom Fournier - APC

Post-docs

2026 – 2028 ????

2025 - 2027 Mykhailo Yeresko LPCA - LHCb-FCC (GRAINITA)

2024 - 2026 Jessy Daniel IP2I - CMS-FCC - Tracking (tracker digitiser for FCC)

2024 - 2026 Zuchen Huang IJCLab ATLAS-FCC (ALLEGRO)

2023 - 2025 Zhibo Wu - LAPP (ALLEGRO)

2023 - 2025 Meena Meena IPHC (HNL analysis)

2023 - 2024 Tong Li - APC (-> FCC sim/reco for ALLEGRO)

CPJ

2027/2028 ?????

2026/2027 TBD - CPPM or LPNHE (ATLAS/FCC)

2025/2026 Armin Ilg - IPHC (CMS/FCC)

2024/2025 Carlo Pandini - LPSC (ATLAS/FCC)

PhD:

LPNHE (50% FCCee / 50% ATLAS, Bogdan) - études de jets (performances pour la reconstruction de jets et de leur sous-structure, performances sur la calibration, études de physique)

CPPM (50% FCCee / 50% ATLAS, Fares)

LAPP (100% FCC/ALLEGRO, Renaud Gaglione + Marco/Olivier) - développement et l'intégration des différentes solutions d'électrode de mesure, et de l'électronique de lecture front-end potentiellement froide, en comprenant aussi des activités de simulation de la réponse du détecteur (étudiants en ingénierie (e.g. électronique) ou physique appliquée)

PostDoc:

APC (50% FCC, 50% ATLAS, Giovanni), full sim/reco and Higgs sensitivity with FS (Tom Fournier a terminé le volet FCC de sa thèse)

IP2I (50% FCC tracker, 50% CMS top, Gaelle), en appui d'un doctorant CMS + FCC sur les mêmes thématique (A. Sabard, Oct 2026 – Sept 2029), pour faire suite à Jessy Daniel

CPJ

→ 2026/2027 **CPPM** ou **LPNHE**

→ 2027/2028 **IP2I** (FCC tracker) – prendre le relais de Didier

MdC

IP2I suite au passage prof de Gérald