Reunion FCC-contacts

vendredi 10 oct. 2025, 09:00 → 10:40 Europe/Paris

Description https://cern.zoom.us/j/63821720960?pwd=Lmzwev6i9lfNLIUW4JZaByonTVQ2sL.1

09:00 → 09:45 **News. Quelle position pour le plan B ?** 45m

Orateur: Gregorio Bernardi (APC Paris CNRS/IN2P3)

09:45 → 10:05 **Préparation FCC-France fin Novembre APC** 20m

10:05 → 10:25 **Etat Budgets, RH, Demandes RH, NSIP. Grey Book....** 20m

10:25 → 10:40 **Next steps / Tour de table des EoI et des Labos** 15m

Orateurs: Bogdan MALAESCU (LPNHE, Paris, FRANCE), 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, Marco Delmastro (LAPP), Nicolas Morange (IJCLab), 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)

1. Physics Briefing Book publicly released on Thursday 2nd Oct
   - Most of our comments were ignored (see PJ's presentation next)
   - No feedback received from PPG team
2. Meeting with the PPG-ACC group (aka WG2.a) on Tuesday 7th Oct.
   - Beautiful presentation by Frank Z. and Patrick J.
   - Limited and often very weak replies
   - WG2.a says it is not its mandate to quantify registered risks, hence very superficial and subjective statements ("there is no proof it cannot be done" was the leitmotiv in the reply).
3. Plan(s) B:
   - several member states in favour of FCC requested financial support for plan B (whatever it is). Indeed, in these countries, the law says that for projects of this size, it is mandatory to have a plan B (and even to say what will happen with plan "0", i.e., no plan A or B).
4. China:
   - CAS decided to recommend the STCF proposal to the next step for consideration for the (2026-2030) five-year plan. It is not clear yet what this decision implies for CEPC.

Coming PED workshops

- FCC-ee workshop on vertex detector R&D
  - Pisa, 30-31 Oct 2025, https://agenda.infn.it/event/47923/overview
- FCC-ee workshop on TDAQ
  - CERN, 6 November, https://indico.cern.ch/event/1583755/
- FCC-ee kick-off workshop on Flavours
  - CERN, 19-21 November, https://indico.cern.ch/event/1588013/overview
    - Site soon to be accessible.
- FCC PED (a.k.a. Physics) Workshop
  - Munich, 26-31 January, see Christophe's presentation
  - Indico page being built: https://indico.cern.ch/event/1588696/
- Anything else?

https://indico.cern.ch/event/1588696/

FUTURE CIRCULAR COLLIDER

9th FCC Physics Workshop

26–31 Jan 2026
Europe/Berlin timezone

Enter your search term

Welcome to the 9th FCC Physics workshop in Munich-Garching, Max Planck Institute for Physics!

If you want to remain up-to-date on the FCC physics and experiments activities, please register to the following mailing list:

https://e-groups.cern.ch/e-groups/EgroupsSubscription.do?egroupName=FCC-PED-Observers

If you plan to participate in the FCC PED Feasibility Study, you can register to specific working groups here:

https://fcc-ped.web.cern.ch/ , then click on "Contact/Join us", "Join us", "Subscribe to mailing lists"

Previous Editions:

2017 (CERN): https://indico.cern.ch/event/550509/
2018 (CERN): https://indico.cern.ch/event/618254/
2020 (CERN): https://indico.cern.ch/event/838435/
2020 (online) : https://indico.cern.ch/event/932973/
2022 (online) : https://indico.cern.ch/event/1066234/
2023 (Krakow): https://indico.cern.ch/event/1176398/
2024 (Annecy): https://indico.cern.ch/event/1307378/
2025 (CERN): https://indico.cern.ch/event/1439509/

Local Organization Committee:

Contact
ep.fcc.secretariat@cern....
fcc.secretariat@cern.ch

New proposal. Work in progress. Not approved yet.

9th FCC Physics Workshop: Munich, Jan. 26-30, 2026

indico agenda: https://indico.cern.ch/event/1588696/

	Monday 26.01	Tuesday 27.01	Wednesday 28.01	Thursday 29.01	Friday 30.01
9:00-10:30	-- Satelite meeting -- ECR meeting	-- Parallel Sessions -- 1. Physics (general) 2. EPOL	-- Parallel Sessions -- 1. Physics (QCD+Flavour) 2. MDI (IR layout and beam dynamics)	-- Parallel Sessions -- 1. Physics (Higgs/EW) 2. Jt SW & Physiscs & Detectors (Digitisation, reconstruction)	-- Summaries/Highlights -- TBA
10:30-11:00		Coffee break	Coffee break	Coffee break	Coffee break
11:00-12:30		-- Parallel Sessions -- 1. Physics. (Higgs/EW) 2. EPOL	-- Parallel Sessions -- 1. Physics (BSM) 2. Detectors ctor concepts, Large scale structures and cryo	-- Parallel Sessions -- 1. Physics (FCC-hh) 2. Jt MDI & SW & Detectors (beam backgrounds)	-- Summaries/Highlights -- TBA "Conclusion" (15') -- Satelite meeting -- TBA
12:30-14:00	Lunch	Lunch	Lunch	Lunch	Lunch
14:00-16:00	-- General FCC Meeting -- L. Feld (TBC) "Towards German engagment in FCC" (30') M. Benedikt / F. Zimmermann "pre-TDR Study" (30'+10') G. Bernardi / E. Tsemelis "Community building / IFNC" (20') All Discussion on ESPPU (30')	-- Parallel Sessions -- 1. Physics (Higgs/EW) 2. MDI (assembly and integration)	-- Parallel Sessions -- 1. Physics (QCD+Flavour) 2. SW (Key4HEP, LEP@E4H, resources)	-- Parallel Sessions -- 1. Jt SW & Physics (Analysis) 2. Detectors (PID, Calorimetry)	
16:00-16:30	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break
16:30-18:00	-- PED Plenary -- C. Grojean / G. Wilkinson / P. Janot "Intro and goals of the workshop" (10') Plenary 1 (15'+5') Plenary 2 (25'+5') Plenary 3 (25'+5') Plenary 4 (25'+5')	-- Parallel Sessions -- 1. Physics (BSM) 1. Jt Detectors & SW (reconstruction, simulations, full sim)	-- Parallel Sessions -- 1. Physics (QCD+Flavour) 2. Jt Detectors & MDI (beam pipe, vertex detector, LumiCal)	-- Parallel Sessions -- 1. Detectors (Tracking and Vertexing) 2. Physics (higher order calculations)	-- Satelite meeting -- TBA
18:00-18:30		IFNC session			
18:30-20:00	Welcome reception				
20:00-20:30			Workshop Dinner		
20:30-22:00					

Venice open symposium finished successfully

➔ Over the past years very significant progress has been made towards the realisation of the next flagship project at CERN

- FCC: Successful completion of the Feasibility Study; No technical showstoppers identified
- Overwhelming support for the integrated FCC-ee/hh programme by the HEP communities in the CERN Member and Associate Member states and beyond;

  The strong support is largely based on the superb physics potential and the long-term prospects (FCC-ee /hh)
- Discussions on the financial feasibility are ongoing (CERN management and Council)

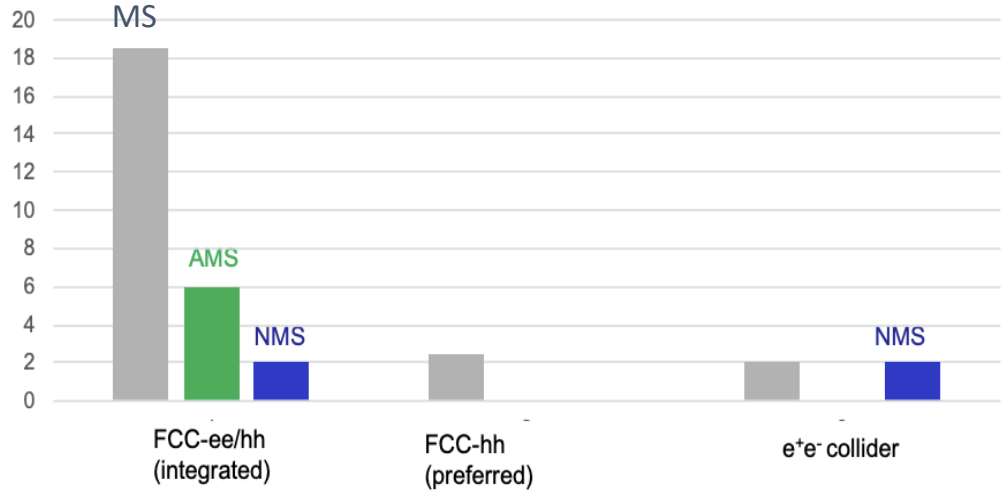
Discussions on the prioritisation of alternative options are ongoing

- Linear colliders (LCF, CLIC) present as well mature options for a Higgs factory at CERN
- LEP3 and LHeC could be considered as “intermediate” collider projects
- The differences in the physics potential (→ Physics Briefing Book), review of the technical readiness and the final input from the national HEP communities (due by 14 Nov.) will be important ingredients in the final recommendations by the European Strategy Group

	# of exp.	Z-pole (91.2 GeV)	WW (160 GeV)	Higgs (230-250 GeV)	Top (365 GeV)	Higher energy
FCC-ee	4	205 ab^{-1} (total, all IP) 4 years (of operation)	19 ab^{-1} 2 years	11 ab^{-1} 3 years	3 ab^{-1} 5 years	—
Linear collider	2	0.07 ab^{-1} 1 year	—	3 ab^{-1} 9 years	CLIC: 4.4 ab^{-1} 10 years	550 GeV: 8 ab^{-1} 10 years
LEP3	2	53 ab^{-1} 5 years	5 ab^{-1} 4 years	2.5 ab^{-1} 6 years	—	—
FCC-hh	4	—	—	—	—	84.6 TeV 30 ab^{-1}
LHeC	1	—	—	—	—	1.2 TeV 1 ab^{-1} 6 years

National input to the ESPP

Preferred option



FCC-ee/hh (integrated)	MS: Belgium, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Israel, Italy, Norway, Poland, Portugal, Romania, Slovak Republic, Spain, Sweden, Switzerland, (United Kingdom) AMS: Brazil, Croatia, Lithuania, Pakistan, Slovenia, Ukraine NMS: Canada, USA
FCC-hh preferred (but accept ee first)	Czech Republic, Serbia, (United Kingdom)
e^+e^- collider	MS: Austria, Bulgaria NMS: Australia, Japan

K. Jakobs, CERN Council, 20th June 2025

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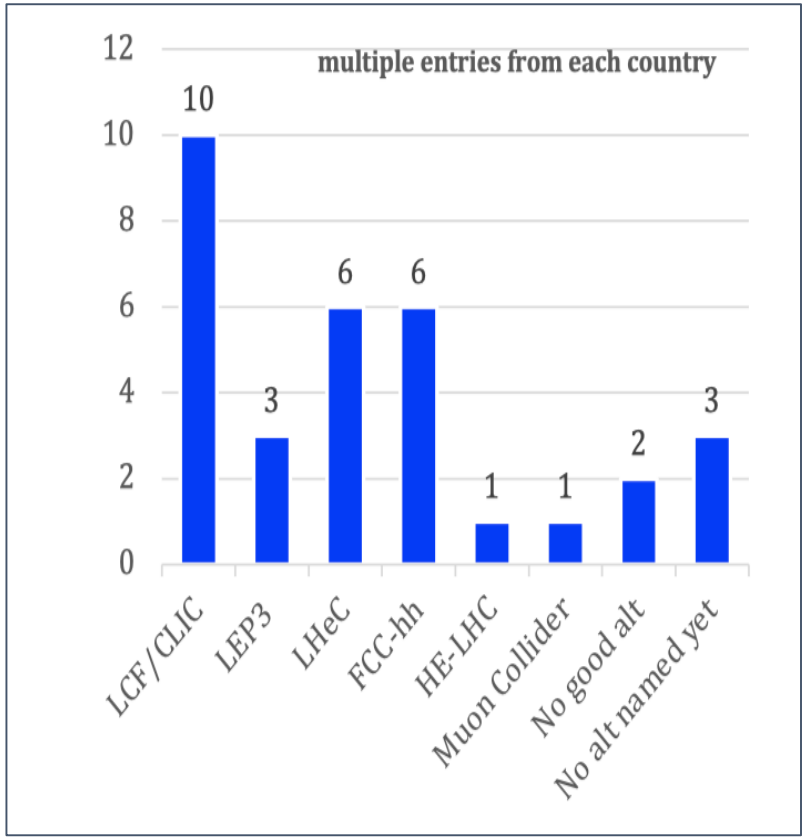
Alternative if preferred option not feasible



Publicly available at: https://indico.cern.ch/event/1439855/contributions/
Summary compiled by European Strategy Group

LEP3 Day (28 May 2025)

Indico agenda: https://indico.cern.ch/event/1546804/

C. Anastopoulos[1], R. Assmann[16], A. Ball[2], O. Bruning[3], O. Buchmueller[4], T. Camporesi[5,15], P. Collier[3], J Dainton[6,14], G. Davies[4], J.R. Ellis[3,7], B. Goddard[3], L. Gouskos[8], G. Hall[4], M. Klute[9], M. Koratzinos[10], G. Landsberg[8], K. Long[4], L. Malgeri[3], F. Maltoni[11,17], F. Moortgat[3], C. Mariotti[12], S. Myers[3], J.A. Osborne[3], M. Pierini[3], D.R. Tovey[1], D. Treille[3], T.S. Virdee[4], N. Wardle[4], M. Zanetti[13]

Contact person: T. Virdee (t.virdee@imperial.ac.uk)

Imperial College London

LEP3

Summary

We support (FCC-ee + FCC-hh) as the preferred option for CERN's future

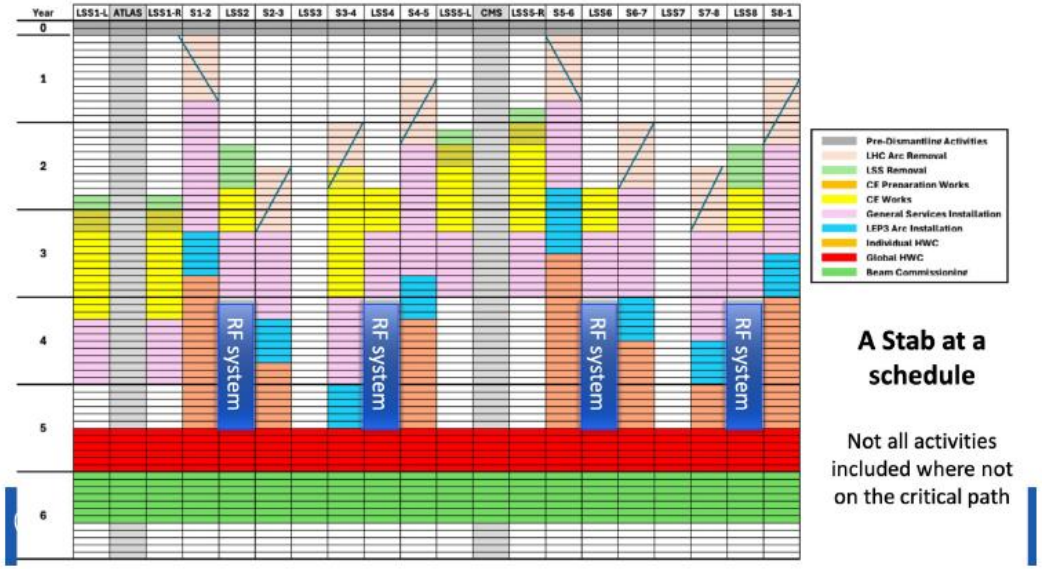
ESPP requests an alternative/ backup option for the preferred one.

An e^+e^- collider in the LHC tunnel, referred to here as LEP3, is proposed as an a backup option

- Compared to the linear e^+e^- colliders proposed, LEP3 provides similar luminosity for ZH production, higher luminosity at lower energies and options for multiple experiments, all at much lower cost. *(Note: no top thresh., m_W to 1 MeV, five times less integrated lumi at the Z pole)*
- LEP3 is a reasonable (perhaps the best) backup option
- Leaves room (time, budget, resources) for further development of THE machine that can probe directly the energy frontier at a constituent $\sqrt{s} \sim 10$ times LHC. *(Note: with the muon collider in the US, this leaves FCC-hh as the only option, whose cost after LEP3 is about the same as FCC-ee+hh.)*

No showstoppers have yet been identified, and we consider this proposal to be sufficiently interesting to deserve further study. We have identified important areas that would require deeper investigation before CERN could commit to LEP3.

2 IPs (ATLAS, CMS)



A Stab at a schedule

Not all activities included where not on the critical path

Estimated cost

Cost Element	2 new Xpts	2 Exist Xpts
Accelerator	2705	2705
Injectors and Transfer Lines	295	295
Technical Infrastructures	435	435
Experiments	130	60
Civil Engineering	165	165
LHC Removal/LEP3 Installation	140	140
Total CERN (MCHF)	**3870**	**3800**
Expteriments non-CERN User Community Contribution (MCHF)	900	270

FCC-hh Sensitivity with different running scenarios and possible timelines

Higgs SM precision

Higgs couplings

Coupling precision	100 TeV CDR baseline	80 TeV	120 TeV
$\delta g_{H\gamma\gamma} / g_{H\gamma\gamma}$ (%)	0.4	0.4	0.4
$\delta g_{H\mu\mu} / g_{H\mu\mu}$ (%)	0.65	0.7	0.6
$\delta g_{HZ\gamma} / g_{HZ\gamma}$ (%)	0.9	1.0	0.8

Higgs self-coupling precision at 80 TeV ➔ ~ 3-4%
assuming same detector performances

BSM reach

WIMP DM still in reach at 80 TeV

Scenario name	Energy	Lumi/year	DM/ Compress EWK 3.0 →	Change in stop mass limit [TeV] 12.5 →	Change in Z' limit [TeV] 40→
F12LL	72 TeV	950 fb^{-1}	~2.6	~9.6	~30
F12HL	72 TeV	2000 fb^{-1}	~3.2	~10.4	~32
F12PU	72 TeV	1300 fb^{-1}	~2.8	~10.0	~31
F14	84 TeV	950 fb^{-1}	~2.8	~10.8	~34
F20	120 TeV	370 fb^{-1}	~2.5	~12.6	~42

Preliminary conclusions:

For Higgs physics and lower mass new resonances, a higher luminosity can make up for a lower energy.
For higher masses searches, it is as expected harder, but going for 84 TeV is now the default choice

Possible FCC-hh Timelines

Milestone	Date
Conceptual design study	2014-18
Definition of placement scenario	2022
Feasibility Report ready	2025
Main technologies R&D completion	**2054**
Technical Design Report ready	2054
Latest Project Approval	**2054**
Environmental evaluation & project authorization processes	2054-2058
Industrialisation & magnet production	2054-2069
Civil engineering – collider	2060-2068
FCC-ee dismantling	2063-2064
TI installation – collider	2065-2069
Accelerator installation – collider	2068-2072
HW commissioning – collider	2071-2073
Beam commissioning – collider	2073
Physics operation start	**2074**

FCC-hh timeline as a second phase after FCC-ee.

Milestone	Date
Conceptual design study	2014-18
Definition of placement scenario	2022
Feasibility Report ready	2025
Latest Project Approval	**2033**
Environmental evaluation & project authorization processes	2026-35
Main technologies R&D completion	**2037**
Technical Design Report ready	2037
Industrialisation & magnet production	2038-2053
Civil engineering – collider	2037-2046
TI installation – collider	2043-2050
Accelerator installation – collider	2046-2052
HW commissioning – collider	2049-2053
Beam commissioning – collider	2054
Physics operation start	**2055**

Fastest possible FCC-hh timeline as a stand-alone project.

FRANCE (community)

Released in March before the cost update of LCF

If the construction of an e^+e^- collider comparable to the FCC_{ee} is not firmly established outside of Europe:

- In absence of FCC-ee, a linear e+e- collider facility (LCF) at CERN would be the next best option for a Higgs factory. Somewhat limited statistics at the HZ cross-section peak and a much smaller luminosity at the Z-pole are in part compensated by the possibility to reach at least $\sqrt{s}$ = 500 GeV, allowing a clean observation of the $e^+e^- \rightarrow \nu\nu H$ process, of the top threshold, and a first determination of the Higgs-boson self coupling.
- Energies of $\sqrt{s}$ = 1–3 TeV, as enabled by CLIC technology, would significantly improve these measurements and allow detailed studies of vector-boson scattering. The LCF program could be complemented by a dedicated, high-luminosity Z factory, possibly re-using existing infrastructure at CERN.
- As a last-resort fall-back, LEP3 offers an instantaneous luminosity five times less than FCCee and an energy range limited to about $\sqrt{s}$ = 240 GeV.

If the construction of an e+e− collider comparable to the FCCee is firmly established outside of Europe, and ahead in schedule:

- The LCF would provide sufficient scientific complementarity only if it covers the entire energy range between the $t\bar{t}$ production threshold and the TeV scale on a reasonable timespan.
- Or, the strategy could be the earlier development of a high-energy hh/eh program, ideally in a 91km tunnel@$\sqrt{s}$=85 TeV
- If a new tunnel is not feasible, a collider such as the HE-LHC could be a fallback alternative…
- Both the FCC-hh and the HE-LHC should be complemented by an electron-hadron collider such as the LHeC….it could run in the early 2040's and use improved acceleration techniques based on ERL that will help achieve the sustainability requirements and benefit to future e+e− colliders.

Préparation FCC-France 26-28 Novembre APC

FUTURE CIRCULAR COLLIDER – FCC-FRANCE

Physics, Experiments and Detectors (PED)

This is the brand new web site of the french group FCC – Physics, Experiments and Detectors. It is under construction.

Meetings

Under construction

The FCC-ee in a few words

The FCC-ee project is a high-luminosity, high-precision e+e- circular collider. Two separate e+ and e- storage rings with very strong focusing, fed by a full size continuous injector, provide e+e- collision luminosities ranging from (per interaction point) 230 10^{34} /cm2 /s at the Z pole, 8 10^{34} /cm^2 /s at the ZH production maximum (240 GeV) and 1.7 10^{34} /cm^2 /s at the tt threshold and up to 365 GeV. Four interaction points are considered. The run plan of 15-20 years yields 5 10^{12} Z bosons, 10^8 W pairs, 1.3 10^6 Higgs bosons and 106 top quark pairs. Thanks to the availability of transverse polarization, the energy calibration at 100 keV precision offers unprecedented precision for measurements of Z and W properties. The possibility of s-channel Higgs production at E_{CM}=125 GeV is under study, giving unique access to the electron Yukawa coupling. These opportunities make the FCC-ee stand out among the other Higgs factory proposals. Especially at the Z run, considerable challenges await experimenters and theorists, for systematic uncertainties to match the extraordinary available statistical precision.

Next events

Under construction

Latest publications

Under construction

Following the ESPP 2020 recommendations, the goal until 2025 of the Physics Experiments and Detector studies will be, with widest participation from the international community, the delivery of an advanced Feasibility Study demonstrating the breath and feasibility of the experimental program, including detector designs. The present focus on the experimental side is the analysis of physics benchmark measurements with the aim of producing a consistent set of detector requirements, under the aegis of the Physics Performance Coordination. The design of the detectors, the use of the latest technologies, and the R&D program, offer great opportunities for creativity. On the phenomenological side, focus will be the full understanding of the possibilities for discovery of the machine, as well as the planning of the precision calculations required to fully exploit the program of precision measurements.

The French HEP community is involved in most of the PED aspects of the FCC Feasibility Study. See the Organisation folder to see how it is organized and how you can join the effort.

mercredi

jeudi

vendredi

Possible additional topics:

- Communication
- ECR talks
- Structure evolution
- ?

EoI Vertex / FCC-SEED
Orateur: auguste besson (Institut Pluridisciplinaire Hubert Curien)
Expression_Of_Inter...

EoI FCC-timing : Towards Time of Flight MCMOS tracking le
Orateur: Gaelle Boudoul (IP2I/AICP (CNRS/IN2P3))
EOI-FCC-Timing-ES...

EoI Drift chamber :
Orateur: Gabriel Charles (IJCLab)
Attestation validatio...

EoI ALLEGRO calorimeter
Orateur: Nicolas Morange (IJCLab)
Validation-EOI-ALLE...

EoI SiW ECAL
Orateur: Vincent BOUDRY (LLR - CNRS, École polytechnique/IPP Paris)
FCC-EoI-SiW_ECAL ...
Validation FCC-EoI-...

EoI Grainita
Orateur: Stephane Monteil (Laboratoire de Physique de Clermont - UCA/IN2F
GRAiNITA_FCCee_E...

EoI T-SDHCAL
Orateurs: Imad Laktineh ({UNIV CLAUDE BERNARD}UMR5822), imad laktir
Attestation validatio...
FCCeeTSDHCALF.pdf

EoI Dual Read-out Crystal calorimeter
Orateur: Suzanne GASCON-SHOTKIN (IP2I Lyon/Université Claude Bernar
Attestation_validati...

Grey book….

MBI - Marietta Blau Institute for Particle Physics	Austrian Academy of Sciences	Vienna	Austria	(TL) SCHWANDA, CHRISTOPH (DTL) BERGAUER, THOMAS
Institut Pluridisciplinaire Hubert Curien	Centre National de la Recherche Scientifique	Strasbourg	France	(TL) EL BITAR, ZIAD (DTL) GOFFE, MATHIEU
Laboratoire Leprince-Ringuet	Centre National de la Recherche Scientifique	Palaiseau	France	(TL) BOUDRY, VINCENT
Laboratoire APC - Astroparticules et Cosmologie	Centre National de la Recherche Scientifique	Paris	France	(TL) BERNARDI, GREGORIO (DTL) MARCHIORI, GIOVANNI
LAPP-Laboratoire d'Annecy de Physique des Particules	Centre National de la Recherche Scientifique	Annecy-Le-Vieux	France	(TL) LAMANNA, GIOVANNI (DTL) BRUNETTI, LAURENT
Department of Physics	University of Tehran	Tehran	Iran	(TL) AZIZI, KAZEM
Universita e INFN, Bari		Bari	Italy	(TL) DE FILIPPIS, NICOLA
Universita & INFN Pisa		Pisa	Italy	(TL) PALLA, FABRIZIO (DTL) BEDESCHI, FRANCO
Sezione di Padova	Universita e INFN, Padova	Padua	Italy	(TL) AZZI, PATRIZIA
Sezione di Torino	Universita e INFN Torino	Turin	Italy	(TL) DA ROCHA ROLO, MANUEL DIONISIO
Laboratori Nazionali di Frascati	INFN e Laboratori Nazionali di Frascati	Frascati	Italy	(TL) BOSCOLO, MANUELA
Sezione di Pavia	Pavia University and INFN	Pavia	Italy	(TL) BRAGHIERI, ALESSANDRO (DTL) GAUDIO, GABRIELLA
Sezione di Napoli (INFN)	University Federico II and INFN, Naples	Naples	Italy	(TL) PAOLUCCI, PIERLUIGI (DTL) IORIO, ALBERTO ORSO MARIA
Universita e INFN, Ferrara		Ferrara	Italy	(TL) CIBINETTO, GIANLUIGI
Sezione di Bologna INFN	Universita e INFN, Bologna	Bologna	Italy	(TL) GIACOMELLI, PAOLO
Sezione di Roma III	Universita e INFN Roma Tre	Rome	Italy	(TL) DI MICCO, BIAGIO (DTL) IODICE, MAURO
Universita degli Studi di Udine		Udine	Italy	(TL) PANIZZO, GIANCARLO
Universita e INFN, Perugia		Perugia	Italy	

Next steps / Tour de table des EoI et des Labos

Orateurs: Bogdan MALAESCU (LPNHE, Paris, FRANCE), Catherine Biscarat (L2I Toulouse, CNRS/IN2P3, Université de Toulouse), Farès Djama (CPPM), Gae Boudoul (IP2I/AICP (CNRS/IN2P3)), Giovanni Marchiori (APC Paris), Jean-Baptiste De Vivie De Regie, Marco Delmastro (LAPP), Nicolas Morange (IJCLab), 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)

Préparation des EAP

Tableau pour les EAP

MUNICH Phys wkshop 1300	HELSINKI FCC-week 2000	FCC-France Paris 500	FCC-meet CERN 300	other ? FCC-FR 0	TOTAL (kE) TOT	ASKING (kE)		main master projet	Prévisions Physiciens: 15% FTE ou plus en 2026 FTE = FTE,FCC+FTE,DRD reliés à FCC (ALLEGRO, SEED etc...) * = stages L3,M1 encadrés(+0,1FTE), M2 déclarés séparéments	Physiciens entre 5 et 10% en 2026 et émérites	tot FTE >15% exp-phys	total FTE all exp-phys	total FTE IT + all exp-phys
3900	6000	2500	1500	5000	18,9	19		allegro	GB(0,7*), GM(0,4*), AM(0,5),TF(0,5),M2(0,2)	MB(0,1), LP(0,5)	2,3	2,9	2,9
1300	2000	1000	1500	0	5,8	6		allegro	FD(0,35*)	MB(0,1),EM(0,05)	0,4	0,6	0,8
1300	4000	500	0	0	5,8	6		allegro	NM(0,4*), ZH(0,5)	LS(0,1),DF(0,1)	0,9	1,1	1,2
								grainita	MHS(0,3),DK(0,3)	YA(0,05),SB(0,05), JL(0,35*)	0,6	1,1	1,6
2600	2000	1000	2400	0	8,0	8		gram	ZE(0,5), JA(0,2), CPJ (0,5), EM(0,5), SS(0,2)	AB(0,1), JB(0,1)	1,9	2,1	2,6
3900	6000	3500	300	0	13,7	14		gram	GB(0,6), DC (0,6),SG(0,5), JD(0,3),CV (0,3), AS (0,5),M2(0,2)		3,0	3,0	4,4
2600	4000	1500	300	0	8,4	8		allegro	MD(0,3*), PD1(0,2), OA(0,2), RG(0,2)	CB(0,1), JL (0,1)	0,9	1,2	1,2
2600	4000	1500	900	0	9,0	9		ecal	VB(0,50*), RS(0,45*), CC(0,15*), YSI(0,5), HL(0,5),M2(0,2)	JCB(0,15)	2,5	2,5	2,5
2600	2000	1000	2400	2000	10,0	10		grainita	RM(0,2), SM(0,2), HC(0,3), WW(0,9),LM(0,9),PD1(0,5),JD(0,2)		3,2	3,2	3,4
2600	2000	500	300	0	5,4	5		gram	BM(0,3)	AB(0,5)	0,3	0,8	0,8
1300	0	500	1200	0	3,0	3		allegro	JD(0,1),M2(0,2)		0,3	0,3	0,3
0	0	0	0	0	0,0	0		comp	CB(0,15)		0,2	0,2	0,2
24700	32000	14000	11100	7000	88,0	88					16,4	18,9	21,7

APC & CPPM

rouge: permanents vert: non-permanent orange: émérite

M2 declarés sépararéments: 0,2 FTE ou 0,4 s'ils continuent en thèse (M2T) bleu: IT violet: theo bleu-clair: other FC FTE 2026/catégorie

FTE-exp-non	FTE-IT	LABO	tot-2025	FTE-25	FTE-26	Status	Lab	Initials	Name	Field / study	exp-perm	exp-non	IT-2026
		APC	2,1	0,7	0,7	*	APC	GB	*Bernardi Gregorio*	Higgs, ALLEGRO	0,7		
				0,1	0,1		APC	MB	Bomben Marco	DRD3	0,1		
				0,4	0,4	*	APC	GM	Marchiori Giovanni	Higgs, ALLEGRO	0,4		
				0	0,5		APC	LP	Poggioli Luc	ALLEGRO, Web	0,5		
0,5				0,5	0,3	PHD2	APC	AM	Alexis Maloizel (GM)	Higgs, ALLEGRO		0,5	
0,4				0,4	0,5	M2T	APC	TF	Tom Fournier (GB)	Higgs, ALLEGRO		0,5	
				0	0,2	M2	APC	M2	M2-2026			0,2	
		CPPM	0,6	0,35	0,35	*	CPP	FD	Djama Farès	Physics studies	0,35		
				0,1	0,1		CPP	MB	Barbero Marlon	Vertex detector	0,1		
				0,1	0		CPP	LF	Feligioni Lorenzo	BSM Physics	0		
				0,05	0,1		CPP	EM	Monnier Emmanuel	ALLEGRO	0,1		
	0,2			0,2	0,2		CPP	PK	Pierre Karst (IR)	ALLEGRO			0,2

IJCLab, IP2I, IPHC

FTE-exp-perm	FTE-exp-non	FTE-IT	LABO	tot-2025	FTE-25	FTE-26	Status	Lab	Initials	Name	Field / study	exp-perm	exp-non	IT-2026	
0,35			IJCLab	3,05	0,35	0,35		IJC	NM	Morange Nicolas	ALLEGRO	0,35			
0,1					0,1	0,1		IJC	DF	Fournier Daniel	ALLEGRO	0,1			
0,1					0,1	0,1		IJC	LS	Serin Laurent	DRD	0,1			
	0,5		Allegro:		0,5	0,5	PD1	IJC	ZH	Huang Zuchen(CDD)	ALLEGRO		0,5		
0,1		0,1	1,15		0,1	0,1	IR	IJC	RC	Chiche Ronic (IR)	ALLEGRO	0,1		0,1	
		0			0	0,3	IT	IJC	IT	CDD	ALLEGRO			0,3	
0,05					0,05	0,05		IJC	SB	Barsuk Sergei	Grainita	0,05			
0,4					0,4	0,4		IJC	GH	Hull Giulia (IR)	Grainita	0,4			
0,25					0,25	0,25		IJC	JL	Lefrançois Jacques	Grainita	0,25			
0,3					0,3	0,3		IJC	MHS	Schune Marie-Hélène	Grainita	0,3			
	0,3				0,3	0,3	PHD1	IJC	DK	Klekots Denys (MHS)	Grainita		0,3		
		0,35			0,35	0,35	IT	IJC	IB	Boyarintseva Ianina	Grainita		0,3	0,3	
		0,05			0,05	0,05	IR	IJC	DB	Breton Dominique	Grainita			0,05	
		0,1	Grainita:		0,1	0,1	IT	IJC	CDG	Dominguez-Goncalves Carlos	Grainita			0,1	
		0,05	1,85		0,05	0,05	IR	IJC	JM	Maalmi Jihane	Grainita			0,05	
0,05					0,05	0,05		IJC	YA	Amhis Yasmine	physique	0,05			
0,6			IP2I	3,55	0,6	0,6		IP2	GB	Boudoul Gaelle	Physique, GRAM(PiMaTT,LIFT), SEED	0,6			
0,35					0,35	0,6		IP2	DC	Contardo Didier	GRAM(PiMaTT),SEED	0,6			
0,25					0,25	0,5		IP2	SG	Gascon Suzanne	BSM, MAXICC+ScintCal (ModOp)	0,5			
	0,3				0,3	0,3	PD1	IP2	JD	Daniel Jessy	Physique (reco traces)		0,3		
	0,3				0,3	0,3	PHD1	IP2	CV	Verollet Christian (SG)	BSM, MAXICC+ScintCal (ModOp)		0,3		
	0,4				0,4	0,5	M2T	IP2	AS	Sabard Adrien (GB)	Physique (reco traces)		0,5		
		0,75			0,75	0,75	IR	IP2	LC	Caponetto Luigi	GRAM(PiMaTT),SEED			0,75	
		0,6			0,6	0,6	IR	IP2	MD	Dahoumane Mokhrane	GRAM(PiMaTT),SEED			0,6	
0,55			IP2I-FC	3,15	0,55	0,55	*	IP2	GG	Grenier Gerald	TSDHCAL/RPC + ANR T-CALO	0,55			NOT
0,45					0,45	0,6	*	IP2	IL	Laktineh Imad	TSDHCAL/RPC + MP TMRPC4HC	0,6			C
0,25					0,25	0,25		IP2	LM	Mirabito Laurent	TSDHCAL/RPC +MP TMRPC4HC	0,25			O
	0,85				0,85	0,85	PhD2	IP2	TP	Pasquier Tanguy (GG)	TSDHCAL/RPC + ANR T-CALO		0,85		U
	0,85				0,85	0,85	PHD1	IP2	WV	Vaginay William (GG)	TSDHCAL/RPC + ANR T-CALO		0,85		N
	0,2				0,2	0	M2	IP2	MI	Mohamed Idir	TSDHCAL		0		T
			IP2I-THEO	1,15	0,2	0,2	TH	IP2	AD	Deandrea Aldo	BSM, EW de précision, top	0,2			E
					0,15	0,15	TH	IP2	NM	Mahmoudi Nazila	BSM, EW de précision, top, saveur	0,15			D
					0,4	0,3	TH	IP2	FN	Nortier Florian	TeV Scale Exotica from UV/IR Mixing	0,3			as FCC
	0,4				0,4	0,9	M2T	IP2	TB	Berthelot Tristan (FN)	Theorie		0,9		4,65
0,2			IPHC	2,1	0,2	0,2		IPH	JA	Andrea Jeremy	SEED	0,2			
0,1					0,1	0,1		IPH	JB	Baudot Jérôme	SEED	0,1			
0,1					0,1	0,1		IPH	AB	Besson Auguste	FCC Software/analysis & SEED	0,1			
0,5					0,5	0,5		IPH	ZE	El Bitar Ziad	FCC Software/analysis & SEED	0,5			
0,5					0,5	0,5		IPH	SS	Senyukov Serhiy	SEED	0,5			
	0,2				0,2	0,5	CPJ	IPH	CPJ	CPJ	FCC Software/analysis & SEED		0,2		
		0,5			0,5	0,5	IR	IPH	EM	Medernach Emmanuel (IR)	Contributions to FCC Software			0,5	

LAPP, LLR, LPC, LPNHE, LPSC, L2IT

FTE-exp-perm	FTE-exp-non	FTE-IT	LABO	tot-2025	FTE-25	FTE-26	Status	Lab	Initials	Name	Field / study	exp-perm	exp-non	IT-2026
0,2			LAPP	1,4	0,2	0,2		LAP	OA	Arnaez Olivier	ALLEGRO	0,2		
0,1					0,1	0,1		LAP	CB	Bourdarios Claire	communication	0,1		
0,3					0,3	0,3	*	LAP	MD	Delmastro Marco	Higgs, ALLEGRO	0,3		
0,2					0,2	0,2		LAP	RG	Gaglione Renaud	ALLEGRO	0,2		
0,1					0,1	0,1		LAP	JL	Leveque Jessica	FCC SEED	0,1		
	0,5				0,5	0	PD2	LAP	ZW	Wu Zhibo (PD)	Higgs, ALLEGRO		0	
	0				0	0,2	PD1	LAP	PD	PD1	Higgs, ALLEGRO		0,2	
0,4			LLR	2,25	0,4	0,4	*	LLR	VB	Boudry Vincent	calice pour FCC	0,4		
0,15					0,15	0,15		LLR	JCB	Brient Jean-Claude	calice pour FCC	0,15		
0,15					0,15	0,15	*	LLR	CC	Charlot Claude	Higgs self-coupling	0,15		
0,05					0,05	0,25		LLR	RS	Salerno Roberto	Higgs self-coupling	0,25		
0,1					0,1	0		LLR	HV	Videau Henri	calice pour FCC	0		
	0,5				0,5	0,5	PD1	LLR	YS	Yukun Shi (CDD3a)			0,5	
	0,5				0,5	0,5	PD1	LLR	HL	Hao Liang (CDD3a)			0,5	
						0,2	M2	LLR	M2	M2-2026			0,2	
0,2			LPC	2,05	0,2	0,2		LPC	RM	Madar Romain	Flavours and electroweak	0,2		
0,2					0,2	0,2		LPC	SM	Monteil Stéphane	GRAiNITA, Flavours, EWK	0,2		
0,5					0,5	0,5	ATER	LPC	YM	Mykhailo Yeresko (Ater)	GRAiNITA	0,2		
	0,9				0,9	0,9	PHD1	LPC	WW	Weber Willy (phd1)	Flavours and electroweak		0,9	
	0,1				0,1	0,1	PHD2	LPC	LM	Moeser Leandra (phd2)	Flavour and EWK studies		0,1	
		0,1			0,1	0,1	IE	LPC	MM	Magne Magali (IE)	GRAiNITA			0,1
		0,05			0,05	0,05	IE	LPC	DP	Picard David (IE)	Higgs couplings			0,05
0,6			LPNHE	1,35	0,6	0,5		LPN	AB	Blondel Alain	EW physics, EPOL	0,5		
0,3					0,3	0,3		LPN	BM	Malaescu Bogdan	QCD, jets, alpha_s extraction	0,3		
0,15					0,15	0		LPN	LP	Poggioli Luc	QCD studies, R&D calorimetry	0		
	0,25				0,25	0	PHD3	LPN	LD	Delagrange Line (phd3)	QCD, Xsections measurements		0	
	0,05				0,05	0	PD2	LPN	LP	Pawar Lata (pd)	QCD, jet substructure		0	
0,1			LPSC	0,1	0,1	0,1		LPS	JD	De Vivie Jean-Baptiste	EW physics	0,1		
	0				0	0,2	M2	LPS	M2	M2-2026	Z-- b bar, mesure de A(F,b)		0,2	
0,15			L2IT	0,2	0,15	0,15	IR	L2IT	CB	Biscarat Catherine	FCC web	0,15		
0,05					0,05	0,05		L2IT	JS	Stark Jan	fcc-hh	0,05		
11,35	8	2,85	TOTAL	17,85	18,6	20,0					19,9	10,6	6,2	3,1
				3,15	tot '25	tot'26					total 2026			
				1,15										

* : means that 0,1 FTE from L3 or M1 stagiaire has been added to the FTE of the supervisor

M2 stagiaires are counted explicitely (0,2 FTE, or 0,4 FTE if continuing with a thesis)