

# FCC-contacts – June 26 th

- News
- Jamboree

# Organization

ESPP 2020:

*“[...] a feasibility study of the colliders and related infrastructure should be established as a global endeavour and be completed on the timescale of the next Strategy update.”*

Scientific advisory  
committee

Sttering committee

Collaboration board

FCC study coordination

7 pillars

Physics,  
experiments  
and detectors

Accelerators  
ee & hh

Technical  
coordination &  
technical  
infrastructure

Civil  
engineering

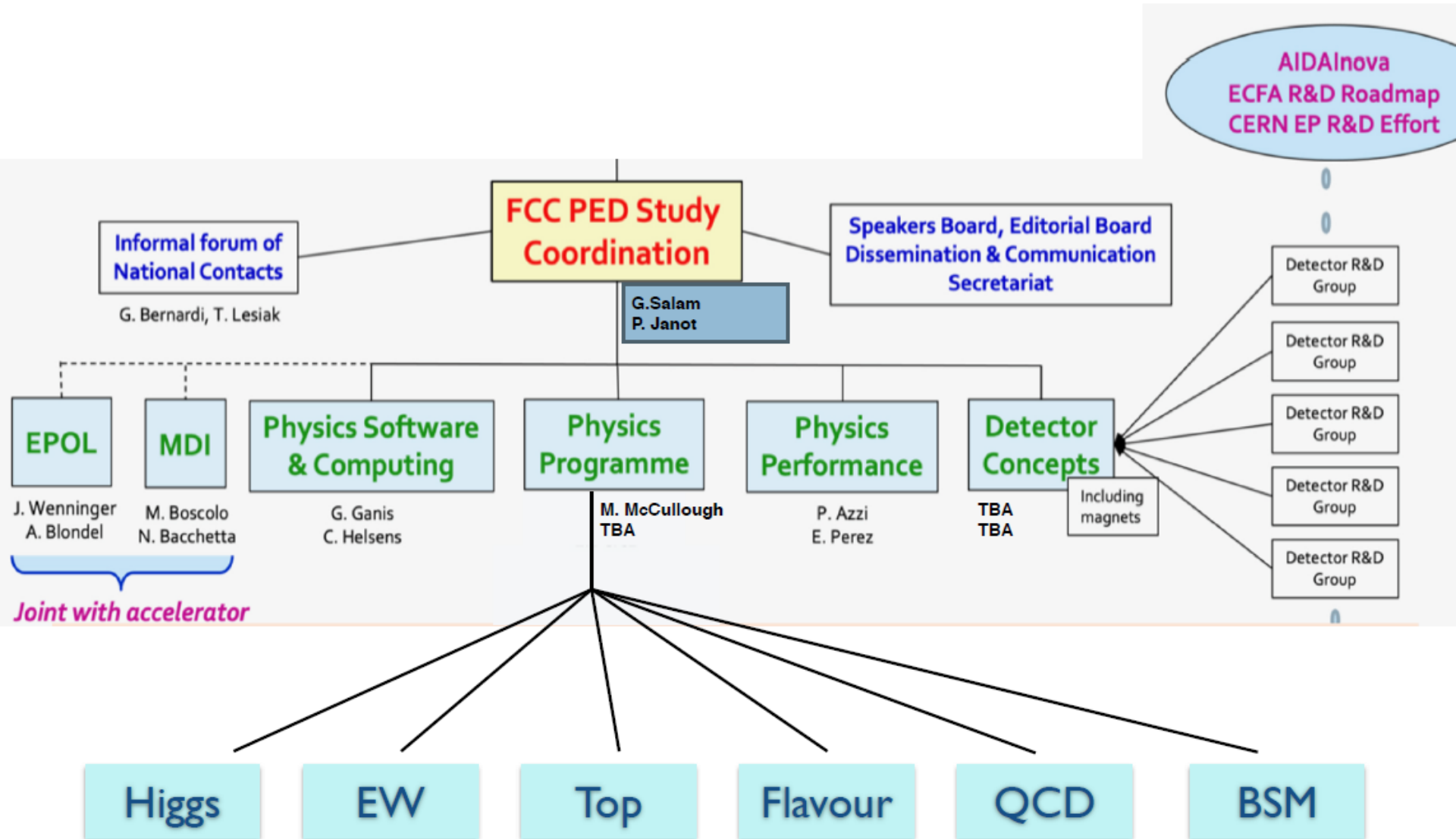
Implementation  
preparations

Organization  
& financing  
model

Study support

# Organization

## Structure of physics, experiments and detectors (PED) pillar



# FCC WEEK

Version: 0.14

Date: 17.06.2021


## FCC Week 2021 Programme

Day Time	Monday 28 June	Tuesday 29 June		Wednesday 30 June			Thursday 1 July		Friday 2 July	Day Time
	Plenary	Parallel 1	Parallel 2	Parallel 1	Parallel 2	Parallel 3	Parallel 1	Parallel 2	Plenary	
08:30-09:00										08:30-09:00
09:00-09:30	Opening	Technology R&D	FCCIS WP3 (Integrate Europe)	SRF Technologies	FCC-hh accelerator		FCC-ee IR and MDI	Technical Infrastructures	Summaries	09:00-09:30
09:30-10:00										
10:00-10:30										
10:30-11:00										10:30-11:00
11:00-11:30	FCC feasibility phase	FCC-ee parameters, layout, overview, with booster	FCCIS WP4 (Impact & Sustainability)	FCC-ee electron cloud & vacuum	Software and Physics Highlights	EASITrain	FCC-ee impedance & collective effects	Technical Infrastructures	Summaries	11:00-11:30
11:30-12:00										
12:00-12:30										
12:30-13:00										12:30-13:00
13:00-13:30		SRF: Direction for R&D						SRF Technologies		13:00-13:30
13:30-14:00										
14:00-14:30	Physics, Experiments & Detectors		Collaborative Writing & Publishing tools	FCC-eh	Civil Engineering		FCC-ee other applications & upgrades			
14:30-15:00										
15:00-15:30										
15:30-16:00										15:30-16:00
16:00-16:30	Physics, Experiments & Detectors	FCC-ee optics, correction, beam stay-clear, dynamic aperture, collimation	Physics Performance highlights	FCC-ee injector complex	FCCIS communication & engagement		Technology R&D	Detectors		16:00-16:30
16:30-17:00										
17:00-17:30										


# Jamboree --- Case studies --- Reunion FCC-contacts

📅 vendredi 25 juin 2021 à 14:30 → 17:15 Europe/Paris

## Description

- 14:30** → 14:45 **News /intro** 🕒 15m  
**Orateur:** Gregorio Bernardi (APC Paris)
- 14:45** → 15:00 **Bc->taunu (IJCLab)** 🕒 15m  
**Orateur:** Yasmine Amhis (IJCLab)
- 15:00** → 15:15 **Etudes des performances de reconstruction de traces (résolution en impulsion , paramètres d'impact...) en fonction du design des détecteurs internes de traces. Aymeric FRANCIA (enc. Gaelle BOUDOUL)** 🕒 15m  
**Orateur:** Gaelle Boudoul (cnrs)
- 15:15** → 15:30 **Etude d'impacts de choix de géométrie du tracker et de budget de matière sur la résolution du tracking (IPHC, Nathan Lorber)** 🕒 15m  
**Orateurs:** Nathan Lorber, auguste besson (Institut Pluridisciplinaire Hubert Curien) , jeremy andrea (IPHC)
- 15:30** → 15:45 **The total e+e- → ZH cross section  $\sigma_{HZ}$  and mass measurement from the recoil,** 🕒 15m  
**Orateurs:** Ang LI (APC Paris) , Gregorio Bernardi (APC Paris)
- 15:45** → 15:55 **Mass measurement in e+e- → ZH (IJCLab) Olivier Salin (enc. Nicolas MORANGE)** 🕒 10m  
**Orateurs:** Nicolas MORANGE ((CNRS)UMR9012) , Olivier Salin (IJCLab)
-  mH\_FCC\_ee\_Olivier...
- 15:55** → 16:05 **The total e+e- → ZH cross section and the Higgs self-coupling  $\sigma_{HZ}$**  🕒 10m  
**Orateurs:** Cesare Cazzaniga (Ecole Polytechnique - ETH) , Roberto Salerno (LLR)

- 16:05** → 16:15 **Higgs boson coupling measurements to charm quarks at FCC-ee** 🕒 10m  
**Orateurs:** Giovanni Marchiori (APC Paris), Mariette Jolly, Paul Paquiez (ENS Paris-Saclay)
- 16:15** → 16:30 **Physique de précision sur les modèles de Higgs composite au FCC-ee: Construction d'un modèle effectif, avec un singlet scalaire, pour modéliser des scalaires composites légers" Andres PINTO (Giacomo CACCIAPAGLIA)** 🕒 15m  
**Orateurs:** M. Andrés Pinto, Giacomo Cacciapaglia (IP2I Lyon)
-  25\_slides\_PINTO.pdf
- 16:30** → 16:45 **Perspectives for high-precision  $\alpha_S(m_Z^2)$  determinations FCC-ee (LPNHE)** 🕒 15m  
**Orateurs:** Bogdan MALAESCU (LPNHE, Paris, FRANCE), Luc Poggioli (LPNHE Paris), Mille Sukyung KIM (Lyon U)
- 16:45** → 17:00 **Nouvelles études sur  $b \rightarrow s$  tautau (LPC)** 🕒 15m  
**Orateurs:** Stephane Monteil (Laboratoire de Physique de Clermont - UCA/IN2P3), Tristan Miralles (Université de Clermont)

<b>14:30</b>	→ 14:40	<b>News /intro</b> ¶	🕒 10m
		<b>Orateur:</b> Gregorio Bernardi (APC & LPNHE Paris)	
<b>14:40</b>	→ 15:00	<b>Intro to R&amp;D Calorimetry / status feuille de route ECFA</b>	🕒 20m
		<b>Orateur:</b> Roman Poeschl (LAL Orsay)	
<b>15:00</b>	→ 15:10	<b>Rappel Calorimetrie Argon Liquide</b>	🕒 10m
		<b>Orateur:</b> Nicolas MORANGE ((CNRS)UMR9012)	
<b>15:10</b>	→ 15:20	<b>Rappel Calorimetrie Calice</b>	🕒 10m
		<b>Orateur:</b> Vincent Boudry (LLR - CNRS, École polytechnique/IPP Paris)	
<b>15:20</b>	→ 15:30	<b>Rappel Crystal Calorimetry</b>	🕒 10m
		<b>Orateur:</b> Suzanne GASCON-SHOTKIN (IPN Lyon)	
<b>15:30</b>	→ 15:35	<b>Rappel Calorimetrie IDEA</b>	🕒 5m
		 fcc-contacts-11-Jun...	
<b>15:35</b>	→ 16:00	<b>Discussion R&amp;D Calorimetry</b>	🕒 25m
<b>16:00</b>	→ 16:15	<b>Organisation du prochain workshop FCC-France (30/11-2/12)</b>	🕒 15m