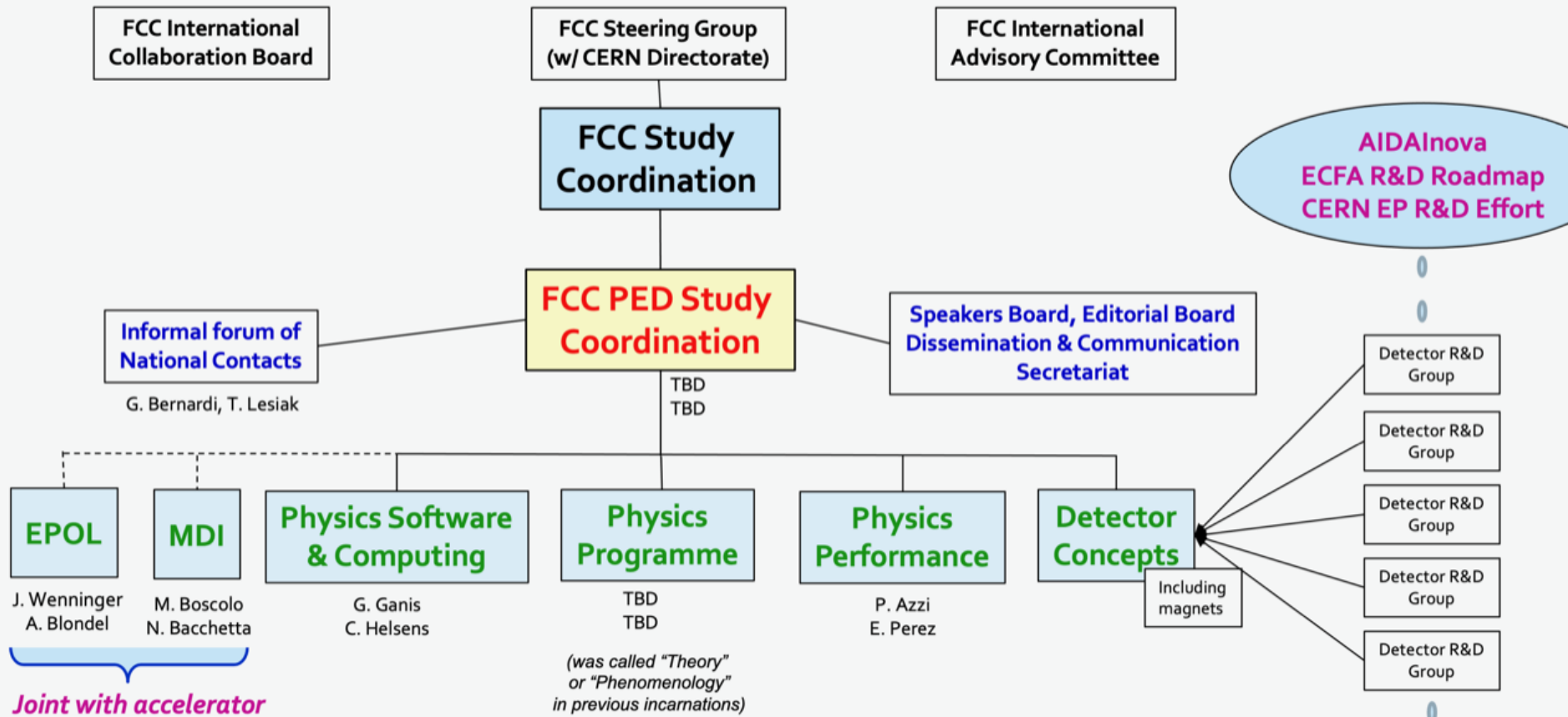


# FCC-contacts – June 11 th

- News / Jamboree
- Discussion R&D
- Agenda FCC-France

# Organization





## 5th FCC Physics (PED) Workshop in February in Liverpool



1) Proposed dates for the event [2nd of 3rd week of February]

Proposal for now: 7-11 February

(unless CMS week is at that time)

2) Format: In person, Virtual, Hybrid [our proposal is to aim for a hybrid event] **in person with possibility to connect.**

**please try to make accommodation affordable esp. for students!**

3) Type & Number of sessions: Plenary and/or Parallel

**before we discuss this we need to form Local Organization Committee**

**suggest to include Guy Wilkinson and Christos Leonidopoulos**

**+Programme committee M. Mangano + International Program Advisory Committee to be recalled.**

4) Online poster session

**ibid**

5) Expected number of participants: Min: & Max: 200-400 in person

**4<sup>th</sup> PED PW had 504 participants (remote meeting) This is THE gathering of the FCC 'users'!**

6) Social event?

**yes!**

**Guy and Christos have been informed of the meeting, to be part of LOC and Programme committee**

# 4 interaction points



## Revue des études de placement FCC / Review of FCC placement studies

7 Jun 2021, 13:00 → 8 Jun 2021, 17:00 Europe/Zurich

503/1-001 - Council Chamber (CERN)

Guenther Dissertori (ETH Zurich (CH))

### Description

L'infrastructure FCC est basée sur un tunnel de 90 à 100 km de circonférence, relié à 12 sites de surface au maximum par des puits d'accès plus ou moins régulièrement espacés. La mise en place de cette infrastructure doit prendre en compte les conditions géologiques souterraines, les contraintes territoriales et environnementales, ainsi que les rendements physiques qui peuvent être atteints avec les collisionneurs. L'optimisation finale devra également équilibrer les coûts, les risques et d'autres aspects. Les études de placement ont déjà commencé pendant la phase de conception en coopération avec les autorités des États hôtes. Ils ont été soutenus par des études de génie civil et le développement d'un modèle géologique pour le bassin genevois. À partir de la configuration de référence CDR (rapport de conception conceptuel), plusieurs géométries et emplacements ont été analysés. Une sélection décroissante de ces variantes est la prochaine étape logique pour identifier la variante de placement préférée qui devrait servir de référence pour d'autres études sur la faisabilité de l'ensemble du FCC.

The FCC infrastructure is based on a 90 to 100 km circumference tunnel, connected via more or less regularly spaced access shafts with up to 12 surface sites. Placement of this infrastructure needs to take into account the underground geological conditions, territorial and environmental constraints as well as the physics performance that can be reached with the colliders. Final optimisation will also have to balance cost, risk and other aspects. Placement studies have commenced already during the conceptual design phase in cooperation with host state authorities. They were supported by civil engineering studies and the development of a geological model for the Geneva basin. Starting from the CDR baseline layout, various geometries and placements have been analysed. A down selection of these variants is the next logical step towards identification of a preferred placement variant that should then serve as reference for further studies on the feasibility of the entire FCC.

Simultaneous translation / Traduction simultanée

# ECFA Detector R&D Roadmap Process and Timeline

## Next important steps:

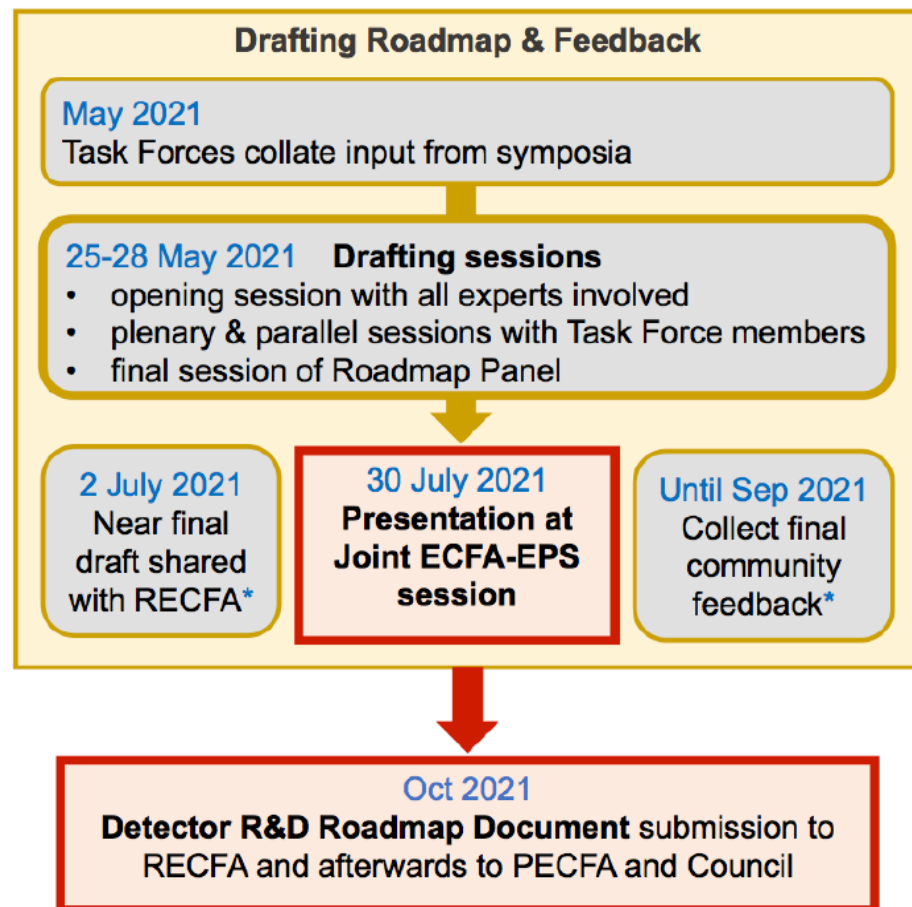
- Collate input from symposia, national contacts, ... in preparation for the **Drafting Sessions (dates fixed: 25 – 28 May)**

- Layout of the session under discussion right now


(complex process: many future projects → prioritisation needed, large uncertainties on timeline)

- (i) Timeline of projects (start of operation)
- (ii) Time required for R&D
- (iii) Time required for detector construction

- **On (i) a common baseline with LDG is highly desirable**



\*community feedback via RECFA delegates and National Contacts

<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