

FCC-contacts / Jamboree / July 7th 2023

Jamboree FCC / Future Colliders

vendredi 7 juil. 2023, 13:30 → 16:30 Europe/Paris



Description Salle Luc Valentin (454A), Batiment Condorcet, APC-Paris,

Zoom: <https://cern.zoom.us/j/68276960243?pwd=aWxvOW5naWd2ZIJZT1BWaTdxalI5QT09>

13:30 → 13:50 **News, FCC-Strasbourg**

13:50 → 14:10 **Higgs Mass measurement in ZH events @ APC**

Orateurs: Gregorio Bernardi (APC Paris CNRS/IN2P3), Matthieu Gaillard (APC Paris CNRS/IN2P3)

14:10 → 14:30 **Higgs width measurement @ IJCLAB**

Orateurs: Inès Combes, Nicolas Morange (IJCLab)

14:30 → 14:50 **Fluxes determination in calorimeters**

Orateurs: M. Khlaïd Hassouna (LLR, CNRS, École polytechnique, Institut Polytechnique de Paris), Vincent BOUDRY (LLR - CNRS, École polytechnique/IPP Paris)

14:50 → 15:10 **Higgs boson self-coupling measurements @LLR**

Orateur: Louis PORTALES ((CNRS)UMR7638)

15:10 → 15:30 **Signatures de scalaires légers à temps de vie long aux LHC et au FCC@ IP2I**

Orateurs: Aldo Deandrea (IP2I - Université Lyon 1), Thomas Uribe-Apalez

15:30 → 15:50 **Comparaison de PFA dans la mesure du couplage Higgs-WW dans le canal e+e- → Hvv**

Orateurs: Gérald Grenier (IPN Lyon/Université Lyon 1), Suzanne GASCON-SHOTKIN (IPN Lyon), Tanguy Pasquier

News from ECFA I

- ▣ **Second Higgs/EW/Top Factory ECFA Workshop,**
 - ◆ 11 (wed)-13(fri) October 2023, Capaccio-Paestum
 - ◆ Webpage: <https://agenda.infn.it/event/34841/>
 - ◆ Registration open till Oct. 4 (Sept. 13 if you want to have a seat on the bus from/to Naples airport)
 - ◆ Fees: 460 EUR will full board at the conference hotel

SECOND • ECFA • WORKSHOP
on e^+e^- Higgs / Electroweak / Top Factories

11-13 October 2023
Paestum / Salerno / Italy

Topics:

- * Physics potential of future Higgs and electroweak/top factories
- * Required precision (experimental and theoretical)
- * EFT (global) interpretation of Higgs factory measurements
- * Reconstruction and simulation
- * Software
- * Detector R&D

The European Committee for Future Accelerators (ECFA) organises a series of workshops on physics studies, experiment design and detector technologies towards a future electron-positron Higgs/electroweak/Top factory.

The aim is to bring together the efforts of various e^+e^- projects, to share challenges and expertise, to explore synergies, and to respond coherently to this high-priority item of the European Strategy for Particle Physics

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FEDERICO II

<https://agenda.infn.it/event/ecfa2023>

▣ Upcoming meetings

- ◆ June 21-22, Brussels: 2nd Topical Meeting on Generators – [link](#)
- ◆ Wed. June 29, 2pm: ECFA WG1 FLAV 1st meeting (zoom) – [link](#)

7th FCC PED/Physics Workshop

- Host: LAPP, Annecy.
 - ◆ see the [presentation](#) by G. Lamana at the last PED coordination meeting
- Dates: Jan. 29-Feb. 2, 2024
 - ◆ Rooms booked for us:
 - Auditorium (211);
 - Amphitheatre (54);
 - One room (16);
 - One room (34);
 - (IAS Hong Kong HEP programme: Jan. 8-26)
 - Chamonix week?
- Local Organization
 - ◆ Local organizers: G. Lamana + TBA

News from ECFA II

- **EPS conference, Hamburg, August 21-25** : there will be the traditional ECFA-EPS session to discuss about the future of the field with the following agenda defined by RECFA

1. Introduction	ECFA Chair	5 min
2. FCC Feasibility Study	NN, CERN	25 + 5 min (input from CERN)
3. Status of e+e- Higgs factory projects	NN	25 +5 min (input from RECFA)
4. ECFA study on e+e- Higgs factories	NN	20 + 5 min (input from IAC)
5. The ECFA Early Career Researcher Panel	NN	10 + 5 min (input from ECR Panel)
6. ECFA Detector R&D Roadmap <small>(overview on implementation status, and proposals)</small>	NN	25 + 5min (input from RECFA)

- Speaker nominations:

- ◆ #3 → Jenny List (suggested by RECFA).
- ◆ #4 → Giovanni Marchiori
- ◆ #2 → Michael Benedikt
- ◆ #6 → Didier Contardo

- As well as two plenary talks:

- ◆ Overview on Detector R&D highlights / recent achievements (Erika Garutti, Hamburg)
- ◆ Overview on Accelerator R&D highlights / recent achievements (Steinar Størnæs, CERN)

News from ECFA

- Karl's mandate as head of ECFA is finishing this year
- Election of new chair: Sept. 16, Lisbon
 - ◆ 12 nominations
 - ◆ 7 nominees accepted to run for election
 - Daniela Bortoletto UK
 - Paris Sphicas Greece
 - Gregorio Bernardi France
 - Juan Fuster Spain
 - Matthew Wing UK
 - Aleandro Nisati Italy
 - Nadia Pastrone Italy

Preferential vote, one ranked list per European country, ECFA member or associate (29 countries voting)

FCC/Higgs Factory/DRD France-Italie workshop en 2024

Proposition de dates: du Lundi 4 Novembre matin au Mercredi 14h (arrivée Dimanche donc)

Palazzo Franchetti.

C'est le week-end du 1er Novembre (qui est un vendredi) donc il faudra réserver tout.

FCC/Higgs Factory/DRD France workshop @ IPHC 22-24 Novembre

IPHC organisera le FCC France/Higgs Factory/DRD workshop du mercredi 22 midi au vendredi 24 Novembre 14h

Laurent Vacavant a confirmé sa présence jeudi et vendredi (arrivée mercredi soir)

Organisation scientifique

Thèmes/ organisation des sessions:

- DRD / FCC oriented Auguste, Didier, Giovanni, Nicolas, Suzanne, Vincent, Maxim, Paul
- Software: Ziad, Gerald
- Physics Cases studies Fairouz, Fares, Luc, Marco, Roberto, Stéphane
+ Pheno G. Cacciapaglia
- General/Proto-collaborations/EoI DéTECTEURS Didier, Greg, Laurent S., Roy, All

Wednesday 22/11

Welcome and lunch at noon

Plenary session-1 14h-15H30

13:50-14:00 Welcome

14:00-14:30 FCC general status

14:30-14:50 Accelerator overview

14:50-15:00 Goals of the workshop

Talk about LHC end / Upgrade

coffee break

Plenary session-2 16H00-18H30 Physics**18H30-19H30 Round table ?****Thursday 23/11****09h-10h45 Tracking-1**

coffee break

11h15-13h00 Calo-1

LUNCH break

14h15-15h45 Software/Analysis

coffee break

16h15-18h00 Discussion / Which Options**Friday 24/11****09h-10h00****Tracking-2****EoI's****10h-11h00****Calo-2****EoI's**

coffee break

11h30-12h45**Physics/Software****Conclusions**

A discuter lors de notre dernière réunion avant le break:

Vendredi 21/7 à 13H30
(ou jeudi ?)

Tour de table

APC
CPPM
IJC Lab
IPHC
IP2I
LAPP
LLR
LPC
LPNHE
LPSC
L2IT

