

News - Physics Performance, Jan 22, 2024

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Best wishes for the new year !!

FCC notes in CDS

Currently, most notes are still available only to the PED coordination group (+ steering group, + reviewers, etc)

We are starting to migrate the FCC notes in CDS to a "community" where they will be accessible to the FCC community at large.

- > contacting the authors individually to check if they want to make any update before the note goes semi-public
(updates will still be possible at a later stage anyway)

As for the mid-term review report:

- council meeting next week
- report to become public shortly after (?)

Survey of FCCAnalyses usage

@FCC workshop next week (Thursday morning): discussion session about the analysis software and framework, led by Jan Eysermans.

- best-practices and examples will be given

To steer the discussion, useful to understand the experience and feedback of the FCC analysis tools. Jan has created a 2-minutes survey :

<https://forms.gle/3xVBbRTeRRSxPAAL7>

Please fill it !

Anecy workshop next week

<https://indico.cern.ch/event/1307378/overview>

Anecy FCC Physics Workshop: Jan. 29-Feb. 2, 2024					
	Monday 29.01	Tuesday 30.01	Wednesday 31.01	Thursday 01.02	Friday 02.02
9:00-10:30	Arrival at LAPP Registration	Phys. Prog. (Big picture, cosmo, interplay) Jt Detector & MDI SW (Key4HEP)	MDI SW QCD & Flavours	SW (analyses) Prog&Perf: Higgs & EW	Summaries/Highlights
10:30-11:00		Coffee break	Coffee break	Coffee break	Coffee break
11:00-12:30		Phys. Prog. & Perf. (BSM) Detectors (Calorimeters and PID) SW (generators)	Phys. Prog. & Perf. (QCD+Flavour) Jt Detectors/SW MDI	Phys. Prog. & Perf. (Higgs/EW) SW (reco)	The way forward
12:30-14:00	Lunch	Lunch	Lunch	Lunch	Lunch
14:00-15:30	General FCC meeting	Precision challenges the Z lineshape	Precision challenges Luminosity measurements	Precision challenges Other topics	Departure from LAPP
15:30-16:00	Coffee break	Coffee break	Coffee break	Coffee break	
16:00-17:30	Status of PED feasibility study	Precision challenges Flavours	Precision challenges FCC-hh	Precision challenges BSM sensitivity	
17:30-18:30 could be extended till 19:00	IFNC	Phys. Perf. Tracking and vertexing	Detectors (Tracking and Vertexing) MDI Phys. Prog. (BSM)	Detectors (Electronics, trigger and DAQ) EPOL Phys. Prof. (overflow Higgs/EW)	
19:30-22:30	Welcome reception			Workshop Dinner	

See email from local org (Marco Delmastro) sent this morning about practical details, e.g. common bus transport.

Next meetings and (some) events of interest

- Higgs meeting tomorrow
 - <https://indico.cern.ch/event/1367652/>
- FullSim working meeting on Wednesday
 - <https://indico.cern.ch/event/1368874/>
- FCC US meeting in MIT, 25-27 March 2024
 - <https://indico.mit.edu/event/876/>
- FCC Week 2024, 10-14 June, San Francisco
 - <https://indico.cern.ch/event/1298458/>
- ECFA seminars / workshops of interest :
 - List collected here <https://indico.cern.ch/category/14055/>

Call for speakers

ICHEP 2024: in Prag

The conference committee will send 10 – 12 FCC abstracts (deadline in 2 weeks).

Contact the speakers buro if you are interested in a talk at ICHEP.

Please contact the speaker's buro at FCC-PED-SpeakersBuro@cern.ch if you volunteer or want to suggest someone.

Today's agenda and next meetings

15:00 → 15:10 **News**

Speakers: Emmanuel Francois Perez (CERN), Patrizia Azzi (INFN Padova (IT))

15:10 → 15:30 **Rb and b tagging efficiency**

Speakers: Loukas Gouskos (CERN), Michele Selvaggi (CERN)

Next Physics Performance meeting : Feb 19, t.b.c.