

# News - Physics Performance, Oct 23 2023

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## News from Mid-Term Report & SAC Meeting

- Full report ( ~ 700 pages) went through final editorial process in October + executive summary of ~ 45 pages.
  - Both documents reviewed by SPC and FC in November (as well as the report of the external review from the SAC & their recomm.) which will transmit their conclusions to the Council as a result of this review
  - Next council meeting: Feb 2, 2024

**Many thanks to everyone who has been involved !**


- Looking forward, the timeline currently looks as follows:
  - 2025 Final Feasibility Study report (ready Q2 2025!)
  - 2025/26 Input for environmental assessment
  - 2028 Input for Civil Engineering tender design
- PED will then need to establish a new (success-oriented) list of deliverables coherent with the recommendations from SAC/CRP/SPC/FC
- Time is quite tight: it will be important to increase the resources and to define well critical studies necessary to be pursued.

## Mark your calendars!

- **8th FCC Physics workshop, Annecy (France), Jan 29 – Feb 2**
  - Mix of plenary and parallel session
  - Agenda being finalized now: hope many you can attend in person. It will be a crucial moment to prepare for the next steps.
- **FCC Week 2024, 10-14 June, San Francisco**  
<https://indico.cern.ch/event/1298458/>
- **NATIONAL MEETINGS:**
  - FCC USA: 25-27 Mar. MIT -> Agenda being prepared
  - FCC Italy-France 4-6 Nov, Venice: Mark your calendars
- Conference in need of speakers:
  - Epiphany-2024, Jan. 8th- 12th 2024 (Krakow): 3 FCC-ee+ 1 FCC-hh talks <https://epiphany.ifj.edu.pl/epiphany2024/index.html>
  - ***ABSTRACTS for APS April meeting due by January 5th!***

Please contact the speaker's buro at [FCC-PED-SpeakersBuro@cern.ch](mailto:FCC-PED-SpeakersBuro@cern.ch)

# Today's agenda and next meeting




**FUTURE CIRCULAR COLLIDER**

## Physics Performance meeting -

Monday 18 Dec 2023, 15:00 → 17:00 Europe/Zurich

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

Videoconference  FCC-ee Physics Performance Join

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**15:00** → 15:10 **News** 10m

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

**15:10** → 15:30 **QCD jet substructure study at FCCee Using Lund Jet Plane** 20m

**Speakers:** Ms Lata Panwar (Laboratoire de physique nucléaire et des hautes énergies (LPNHE), Paris, France), Dr Lata Panwar (Laboratoire de physique nucléaire et des hautes énergies (LPNHE), Paris, France)

**15:30** → 15:50 **A first look at inert-2HDM scalar pair production @ FCC-ee** 20m

**Speakers:** Anne-Marie Magnan (Imperial College (GB)), Dr Anne-Marie Magnan (Imperial College (GB))

Next meeting: January 22 2024 (TBC given Annecy workshop)