

Physics Performance meeting

Patrizia Azzi (INFN), Emmanuel Perez (CERN), Michele Selvaggi (CERN)

16 September 2024

Report(s)

Final Feasibility Study Report

- First draft to be ready by the end of the year (for the SPC)
 - Draft v0 for internal PED review by 30th of September!
 - **analysis note drafts ready by 25 September**
 - **CDS has changed link: <https://repository.cern/>**

The Final Report will be an official document, public and submitted to the Strategy

Upcoming working meetings

Higgs/Top FCC meeting, **Sept 24 2PM**

Physics Performance/Software meeting **Sept 30 2PM**

Upcoming events



ECFA workshop on EWK factories, 9-11 October, Paris

- <https://indico.cern.ch/event/1399276/>

2nd FCC Italy-France Workshop, 4-6 November, Venice

- <https://agenda.infn.it/event/37960/>

8th FCC Physics Workshop, 13-16 January, CERN

Open call for speakers



- For Higgs'24 (Uppsala), we have 4 talks:
 - Higgs properties (mass/width/CP) and detector requirements at the FCC-ee

Agenda for today



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|--|-----------|---|-------|---|
| 3:00 PM | → 3:10 PM | News | 🕒 10m | ✎ |
| Speakers: Emmanuel Francois Perez (CERN), Michele Selvaggi (CERN), Patrizia Azzi (INFN Padova (IT)) | | | | |
| 3:10 PM | → 3:30 PM | Impact of the uncertainty in the ISR prediction on determination of sqrt(s) energy spread using di-muon events | 🕒 20m | ✎ |
| Speaker: Michal Krzysztof Kazanecki (Polish Academy of Sciences (PL)) | | | | |
| 3:30 PM | → 3:50 PM | Z width and point-to-point energy calibration | 🕒 20m | ✎ |
| Speaker: Emmanuel Francois Perez (CERN) | | | | |
| 3:50 PM | → 4:10 PM | Tau polarisation update | 🕒 20m | ✎ |
| Speakers: Dolores Garcia (CERN), Maria Cepeda (CIEMAT) | | | | |
| 4:10 PM | → 4:30 PM | ALPs | 🕒 20m | ✎ |
| Speaker: Giacomo Polesello (INFN, Sezione di Pavia (IT)) | | | | |
| 4:30 PM | → 4:50 PM | New Flavor results for FSR (R_c, R_s, $B \rightarrow K^* \gamma$) | 🕒 20m | ✎ |
| Speaker: Lars Rohrig (Technische Universitaet Dortmund (DE)) | | | | |
| 4:50 PM | → 5:10 PM | Time dependent Precision Measurement of $B_s \rightarrow \Phi \mu \mu$ | 🕒 20m | ✎ |
| Speaker: Tsz Hong Kwok (University of Zurich (CH)) | | | | |