**Istituto Nazionale di Fisica Nucleare Laboratori Nazionali di Frascati**

General Seminar Miniworkshop

# Highlights from the Future Circular Collider Dessign and Path to Construction, and theory aspects of the upcoming precision physics program (ACC+TH)

Scope of the Meeting:

Accelerator-based particle physics research is entering a momentous phase.

The update of the European Strategy for Particle Physics is now under way, with the goal of submitting the community recommendation for the next flagship project to the CERN Council next year. Several different projects are currently under evaluation. Moreover, next year the LHC will enter its third long shutdown in order to be upgraded to the HL-LHC.

In this mini-workshop we will focus first on the FCC-ee, and then more broadly on the role of the upcoming precision physics program.

The first presentation will be from Frank Zimmermann and Michael Benedikt from CERN, who will discuss the technical aspects related to the construction of the FCC-ee collider. The second contribution will be from Pier Monni, also from CERN, who will discuss the role (and the challenges) of the precision physics program at the FCC, as well as at the HL-LHC.

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**Program**

**14:25 - 14:30**Manuela Boscolo(LNF INFN) "Introduction"

**14:30 - 15:30**Frank Zimmermann, Michael Benedikt (CERN)**"**Highlights from the Future Circular Collider Design and Path to Construction"

*15:30 - 15:45 Coffee Break*

**15:45 - 15:50** Emanuele Angelo Bagnaschi (LNF INFN) “Introduction"

**15:50 - 16:50**Pier Francesco Monni (CERN)**"**Gearing up for the precision frontier: theory challenges at HL -LHC - and FCC"

## Lunedi’ 13/10 ore 14:25 Aula Salvini

<https://agenda.infn.it/event/48266/>

L'invito è esteso a tutto il personale interessato, che è caldamente invitato a partecipare.