

Session Program

19-23 May 2025



FCC Week 2025

FCC-ee accelerator

Hofburg Vienna
Hofburg Vienna, Heldenplatz, 1010 Vienna Austria

Tuesday 20 May

08:30

FCC-ee accelerator: Baseline optics

Session | **Location:** Rittersaal | **Convener:** Ilya Agapov

08:30–09:00 Update on the GHC optics

Speaker

Dr Katsunobu Oide

09:00–09:20 Top-up injection status and studies

Speaker

Yann Dutheil

09:20–09:40 Numerical tools for FCC-ee beam-beam studies

Speaker

Peter Kicsiny

09:40–10:00 Collimation studies for FCC-ee

Speaker

Giacomo Broggi

10:00

10:30

FCC-ee accelerator: Alternative optics

Session | **Location:** Rittersaal | **Convener:** Dr Angeles Faus-Golfe

10:30–11:00 Alternate optics for the FCC-ee

Speaker

Kevin Daniel Joel Andre

11:00–11:15 GHC vs LCC design concepts and next steps for pre-TDR phase

Speaker

Dr Ghislain Roy

11:15–11:30 Xsuite evolution for FCC studies

Speaker

Giovanni Iadarola

11:30–11:45 Nested magnets and ballistic optics for the FCC-ee

Speaker

Cristobal Garcia

11:45–12:00 Spin polarization in the EIC electron storage ring

Speaker

Yunhai Cai

12:05

13:30

FCC-ee accelerator: Tuning and Operations

Session | **Location:** Rittersaal | **Convener:** Rogelio Tomas Garcia

13:30–14:00 Correction and tuning strategies for FCC-ee

Speaker

Jacqueline Keintzel

14:00–14:15

Optics tuning simulations for FCC-ee lattices**Speaker**

Elaf Musa

14:15–14:30

Integrated simulations for calculation of tolerances**Speaker**

Kyriacos Skoufaris

14:30–14:45

BBA for FCC-ee and Beam Test at KARA**Speaker**

Christian Goffing

14:45–15:00

IR alignment and Xsuite migration**Speaker**

Satya Sai Jagabathuni

15:00

15:30

FCC-ee accelerator: Collective Effects**Session** | **Location:** Rittersaal | **Convener:** Lenny Rivkin

15:30–15:45

Overview on collective effects for the main rings**Speaker**

Mauro Migliorati

15:45–16:00

Main rings impedance budget**Speaker**

Carlo Zannini

16:00–16:15

Impact of Collimators' Geometric Impedance on Beam Stability in the FCC-ee: Analysis and Optimization Techniques**Speaker**

Dora Gibellieri

16:15–16:30

Beam-Beam and Wakefield-Induced Collective Instabilities and Mitigation Strategies in the FCC-ee at Z Energy**Speaker**

Roxana Soos

16:30–16:45

Electron-cloud effects and possible mitigations strategies**Speaker**

Luca Sabato

16:45–17:00

Beam-beam effects in presence of errors: results and strategies for optics tuning**Speaker**

Leon Van Riesen-Haupt

17:00