



Contribution ID: 50

Type: (a) Talk abstract only

Correction and tuning strategies for FCC-ee

Tuesday 20 May 2025 13:30 (30 minutes)

The Future electron-positron Circular Collider, FCC-ee, is a proposed next collider aiming, to provide unprecedented luminosities at beam energies ranging from 45.6 up to 182.5 GeV. One of the major challenges is delivering the ambitious design performance in the presence of realistic misalignment and field errors. A commissioning strategy has been developed including dedicated optics designs, efficient beam-based alignment and optics corrections based on refined optics measurements. First specifications on main magnets, corrector circuits, and instrumentation have also been investigated. A summary of all these aspects is presented here.

Authors: KEINTZEL, Jacqueline (CERN); TOMAS GARCIA, Rogelio (CERN)

Presenter: KEINTZEL, Jacqueline (CERN)

Session Classification: FCC-ee accelerator

Track Classification: FCC accelerators: FCC-ee collider design