

FCC-ee MDI workshop no. 2

30 January – 9 February 2018

Goals

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Goals:

- mechanical/vacuum design, assembling, positioning of the FCC-ee MDI
 - assembly concept of the FF quads, vacuum system, lumi monitor linked with the basic structure of the different solenoid
 - micron-level (?) positioning of final-focus quadrupoles, luminosity monitors, central vacuum chamber, integrated with various solenoids
- completion and integration of IR HOM mitigation
- one possible outcome:
 - schematic sketch of the Machine Detector Interface, including the final focus quadrupoles, anti-solenoid, luminosity calorimeter, and other necessary equipment like vacuum system, water cooling for the beam pipe and HOM absorbers with the necessary supports, beam position monitor...

Workshop structure

Organization of this workshop will be similar to the first MDI FCC-ee workshop that was held in January 2017, i.e. presentations and discussions in the morning and working session in the afternoon.

First week starting on Tuesday 30/1 will be devoted to the review of the MDI design with accelerator and detector experts

Second week starting from Monday 5/2 will focus the discussion on the mechanical design of the MDI