



Contribution ID: 120

Type: (a) Talk abstract only

Nested magnets and ballistic optics for the FCC-ee

Tuesday 20 May 2025 11:30 (15 minutes)

A major project such as the FCC-ee, with a circumference of 91.17 km, presents numerous challenges to guarantee the stability and performance of the machine. As part of the efforts to optimize energy consumption during its operation, the use of Nested Magnets has been explored as a potential method to reduce synchrotron radiation. This talk will address the challenges and solutions associated with the implementation of these magnets. Additionally, a review of the ballistic optics proposal will be presented.

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Session Classification: FCC-ee accelerator

Track Classification: FCC accelerators: FCC-ee collider design