



Contribution ID: 50

Type: Oral presentation (by invitation only)

Synchrotron radiation background studies

Thursday 2 June 2022 14:55 (15 minutes)

The interaction region for the Future Circular Collider FCC-ee at 182.5 GeV is a sensitive section of the accelerator. The synchrotron radiation produced in the surrounding environment of the detector can result in background or damages to the hardware. The studies will present the deposited synchrotron radiation power from the magnetic elements included in the interaction region as well as the collimation strategies to mitigate the flux of photons.

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Session Classification: FCC-ee accelerators

Track Classification: MDI (Machine Detector Interface)