



Contribution ID: 199

Type: **Oral presentation (in person)**

Status of the drift chamber project for the IDEA detector proposal for FCC-ee

Wednesday 10 July 2024 09:00 (20 minutes)

The future circular electron-positron collider FCCee is receiving much attention in the context of the FCC Feasibility Study currently in progress in preparation for the next EU strategy update. The most recent status of the R&D of the drift chamber project for the IDEA detector concept is presented. We discuss the physics requirements, the technical solutions chosen to address them, the performance of the cluster counting technique to improve the particle identification capability of the detector by using testbeam data, and the further steps on the path of the construction of a full-length prototype.

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Session Classification: Vertex, Tracking, Timing detectors

Track Classification: Physics and Detector: Vertex, Tracking, Timing