Noble Liquid Calorimetry for a Future FCC-ee Experiment

Multi-layer PCB readout electrode
- 12 longitudinal compartments
- $\Delta \theta = 10$ mrad (2.5 for the strip layer), $\Delta \Phi > 8$ mrad, $\Delta r = 3.5$ cm

Very good EM energy resolution

High granularity sampling calorimeter with inclined Pb/W plate geometry and Noble Liquid sensitive gap

Connector-less feedthroughs to extract the $\sim 2$ M channels

Carbon fibre cryostat to minimize dead material budget

Cross-talk and noise study with FEM tools

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