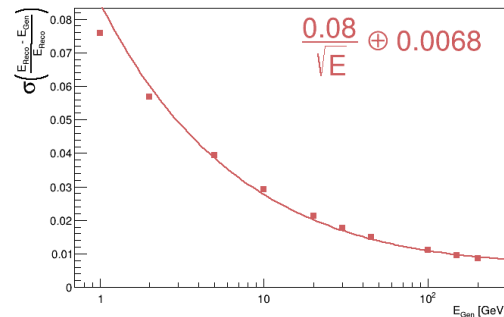


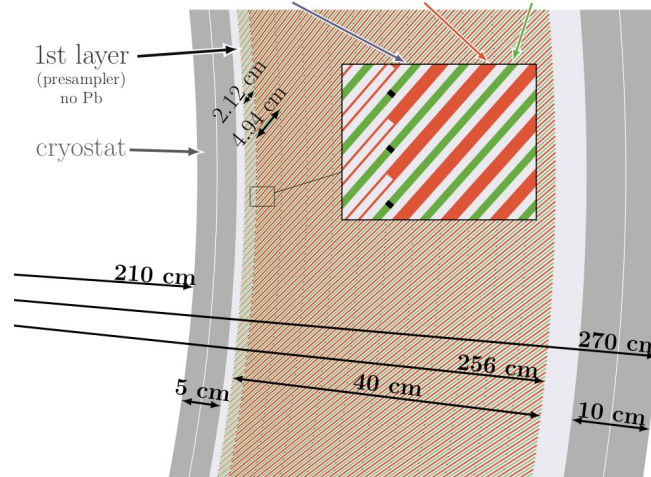
# Noble Liquid Calorimetry for a Future FCC-ee Experiment

Very good EM energy resolution

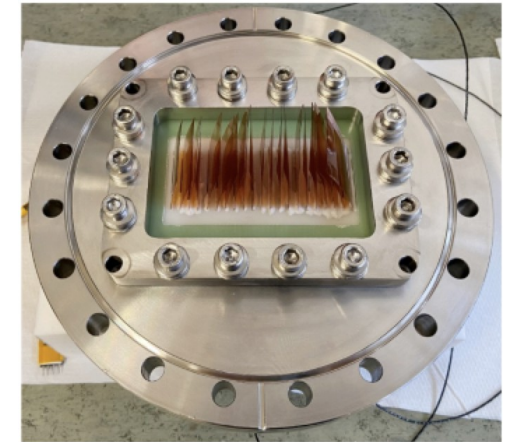


High granularity sampling calorimeter with inclined Pb/W plate geometry and Noble Liquid sensitive gap

active gap (noble liquid) absorber read-out electrode

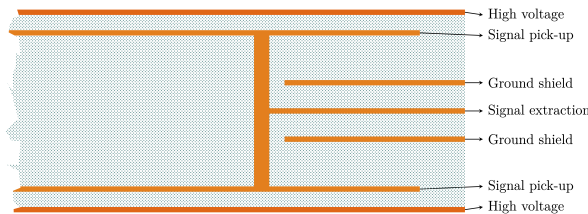


Connector-less feedthroughs to extract the ~ 2 M channels

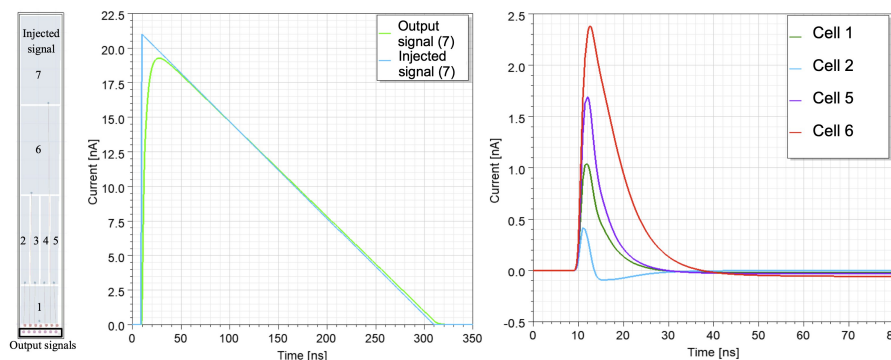


Multi-layer PCB readout electrode

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



Cross-talk and noise study with FEM tools



Carbon fibre cryostat to minimize dead material budget

