

Experimental verification of the Vertex detector Air Cooling system

We have developed a wind tunnel setup to experimentally study the cooling performance of a air flow cooling system for the inner vertex detector for FCC-ee. The staves of the vertex detector have been realised using a carbon fibre mechanical model with the same dimensions of the designed ones. The heat dissipation of the sensors is mimicked using kapton heaters. The setup can simulate about one sixth of the vertex detector.

Preliminary results and plans will be given.

Session

Mechanics

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