Contribution ID: **956** Type: **Parallel session talk**

Development of CMOS-based tracker for CEPC

Saturday 20 July 2024 11:02 (17 minutes)

The Circular Electron Positron Collider (CEPC) is a proposed future Higgs and Z factory. To achieve an excellent momentum resolution for the precision measurements, the tracking system has to be covered by sensors with good spatial resolution and low material budget, while keeping cost-effective for a large sensitive area. High-Voltage CMOS (HVCMOS) is a promising technology option. In this talk the development of tracker concept based on HVCMOS sensors will be presented. Latest development of HVCMOS sensors using 55nm process will be introduced.

Alternate track

I read the instructions above

Yes

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