

Development of High Voltage CMOS based Silicon Tracker for CEPC

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The Silicon Tracker covering large area is a key component of the tracking system for CEPC detector. One of the most promising technology options is the high voltage CMOS (HV-CMOS) for its high position resolution and cost-effectiveness. Tests and development based on ATLASPix3, a HV-CMOS sensor will be introduced. The plan for a demonstrator stage and preliminary consideration for the system design will also be discussed.

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