

Vertex and Silicon Tracking System of CEPC Detector

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The efficient identification of heavy flavour quarks is essentially important for the CEPC physics program, which requires a very precise vertexing and tracking system. This talk will present the preliminary conceptual design of vertex detector and silicon tracker for CEPC experiment, including the baseline layout design, detector performance requirements, and some results of performance optimization study. The possible technologies and critical R&D efforts will be also mentioned.