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Status of study on tracker and tracking at CEPC

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The Conceptual Design Report study on a high energy Circular Electron Positron Collider as a Higgs and/or Z factory is in progress and the tracker research is one of important parts. Based on the design from the ILD using TPC, the study group study the performances on the flavor tag varied with the parameters of the tracker to optimize the tracker design. As parallel, a preliminary design of full-silicon-based tracker is also considered at CEPC. And the study on the tracking algorithms and their performances under a digitization with multi-hits are in progress to improve the tracking performance.

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