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CEPC Detector Readout Trigger System

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The Circular Electron-Positron Collider (CEPC) is a next-generation particle collider designed for precision measurements and searches for new physics. An essential component of this experiment is the trigger system, which will select important events from the vast amount of data. This presentation will cover the study of the CEPC trigger system, including the baseline trigger system design scheme, which consists of a two-level trigger system: the first level hardware trigger and high level trigger. This talk will also present the current trigger simulation results, including the trigger algorithm and the event rate estimation.

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Session Classification : Detector