

The 2024 International Workshop on the High Energy Circular Electron Positron Collider

Contribution ID: 80

Type: **Talk**

CEPC trigger simulation study

Thursday, 24 October 2024 14:00 (20 minutes)

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 shows the study of the CEPC trigger system. We will discuss some algorithms used in trigger processes, including the possibility of using neural network to enhance trigger efficiency, and the preliminary result for the simulations.

Primary author: CHEN, Boping

Presenter: CHEN, Boping

Session Classification: TDAQ

Track Classification: Detector and System: 17: TDAQ & Online