

## Hardware trigger design for CEPC ref-TDR

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CEPC a large international scientific facility proposed by the Chinese particle physics community to explore the aforementioned physics program. It is designed to operate at around 91.2 GeV with 23ns beam spacing as a Z factory, at around 160 GeV with 257ns beam spacing of the W W production threshold, and at 240 GeV with 591ns beam spacing as a Higgs factory. Trigger system with the function of rough selection of the relevant objects (jet, e, muon, tau, v, ...) and combinations, is a critical system that determines the quality of the data taking. This report will introduce the preliminary design scheme of the CEPC trigger system and design scale based on current research.

**Primary author:** ZHAO, Jingzhou (高能所)

**Presenter:** ZHAO, Jingzhou (高能所)

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