

Electron Ion Collider Plan in China (EicC)

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Recently, an Electron-Ion Collider is proposed in China based on the High-Intensity Heavy Ion Accelerator Facility (HIAF) which is under construction. The EIC in China (EicC) consists of different phases with the capability of an upgrade for both beam energy and luminosity. The phase-I will start with e-p(nucleus) collision with 3.5 GeV (e) \times 20 GeV (p) beam energy configuration. The baseline design for the luminosity is around $5 \times 10^{33} \text{ cm}^{-2} \text{ s}^{-1}$. Both electron and proton (nucleus) beams will be polarized. In this talk, I will present a preliminary design for the project and some selected physics topics at the EicC. The current status and the proceeding plan will also be discussed.

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