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An EIC proposed in China (EicC)

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Recently, an Electron-Ion Collider was proposed in China based on the High-Intensity Heavy Ion Accelerator Facility (HIAF) which is currently under construction. The first phase of EicC will be an e-p/e-A collider with center-of-mass energy around 10-20 GeV for e-p. Both electron and proton (light nucleus) beams will be polarized with a luminosity of $1\text{-}5 \times 10^{33} \text{ cm}^{-2} \text{ s}^{-1}$. EicC will have a capability for an upgrade in both energy and luminosity. In this talk an early-stage preliminary conceptual design and selected physics topics at the EicC-I will be presented. The current status and future plan will also be discussed.

Primary author: Dr ZHAO, Yuxiang (INFN Trieste)

Presenter: Dr ZHAO, Yuxiang (INFN Trieste)

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