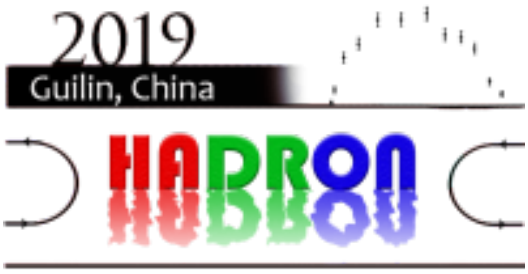

Contribution ID: **150** Type: **Leading parallel**

The EIC project in China

Tuesday, 20 August 2019 14:00 (25 minutes)

Electron Ion Collider (EIC), regarded as the " super electron microscope" , can provide the clearest image inside of the nucleon. It is the most ideal tool to understand the internal structure of the nuclear matter, especially the quark-gluon structure of the nucleon and nuclei. Polarized EICs are the next generation " multi-dimensional electron microscopes" that are most effective in studying the deep structure and strong interactions of particles. Based on the Heavy Ion High Intensity Accelerator Facility which is under construction since the end of 2018 in Huizhou, the IMP is proposing to build a high luminosity polarized EIC facility in China, named " EicC" , to carry out the frontier research on nucleon structure studies. In this talk, the current status of the EicC will be presented, including the considerations on detector design and the physics programs.

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