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Future Physics Program at STAR

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With the completion of the STAR Beam Energy Scan (BES) phase I program and the completion of the Heavy Flavor Tracker and Muon Telescope Detector upgrades, STAR has reached a new milestone in its scientific endeavor to study QCD phase diagram and properties of the Quark-Gluon Plasma with heavy ion collisions. I will give an overview of the STAR plan for the coming a few years to explore QCD nuclear parton structure functions and the heavy quark physics. I will discuss the STAR BES II program and the detector upgrade needed. The future of the RHIC depends on the US long range plan related to the Electron Ion Collider project. I will also briefly present our detector R&D projects towards an EIC detector in the future.

Primary author: Prof. HUANG, Huan Zhong (UCLA)

Presenter: Prof. HUANG, Huan Zhong (UCLA)

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