XXVIII International Workshop on Deep-Inelastic Scattering and Related Subjects



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The STAR Forward Upgrade – An Overview

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The STAR forward upgrade consisting of new tracking and electromagnetic and hadronic calorimeter systems covering a pseudorapidity range of 2.5-4.5 will start data taking in autumn 2021. A core motivation is the exploration of the structure of nuclei at very high and low regions of Bjorken x. The forward upgrade also provides new detector capabilities at RHIC and STAR to explore the longitudinal structure of the initial state and the temperature dependent transport properties of matter in relativistic heavy ion collisions. This talk gives an overview of the STAR forward upgrade physics program along with the current status of the different detector subsystems.

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