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Experimental Upgrades at RHIC and LHC

TAKU GUNJI, Center for Nuclear Study, the University of Tokyo

Elucidating the properties of the hot and dense QCD matter is one of the major scientific subjects in nuclear physics. Relativistic heavy-ion collisions have been unique tools to study the hot and dense QCD medium in the laboratory. After many experimental exciting discoveries at RHIC and LHC, the most important scientific challenges in the next decade is to quantify the properties of the hot and dense QCD medium preciously. The quantitative understanding of the medium properties requires the precision measurements of sensitive observables. This will be made possible with the upgrades of the experiments and the accelerators. In this presentation, the experimental upgrade programs at RHIC and LHC will be presented and future physics perspectives towards the precision measurements will be shown.