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Title: sPHENIX: the Next Generation Heavy-Ion Detector at RHIC

sPHENIX is a new detector that will soon replace the PHENIX detector at the Relativistic Heavy Ion Collider. The detector is currently under construction and data taking will run from 2023-2025. The high expected data rate and excellent resolution of sPHENIX will allow us to probe the quark-gluon plasma using a variety of jet and heavy-flavor observables. These precision studies will complement those from STAR and the LHC experiments and will be a key requirement for the completion of the scientific mission of RHIC. This presentation will introduce the sPHENIX detector and discuss what we hope to learn from it in the coming years.