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Type: **Talk**

sPHENIX at RHIC

Wednesday 28 August 2024 17:00 (20 minutes)

The sPHENIX detector is the first new detector constructed at the Relativistic Heavy-Ion Collider (RHIC) in twenty years, featuring cutting-edge calorimeter, tracking, and forward detectors designed to investigate the properties and behavior of the strongly coupled Quark Gluon Plasma (QGP) generated in heavy-ion collisions. The sPHENIX detector at RHIC offers new capabilities for studying jet and heavy flavor intended to complement and extend those at the Large Hadron Collider.

In 2023, sPHENIX underwent commissioning with Au+Au beams, and currently a high-luminosity p+p data-taking run is underway. This talk will cover an overview of sPHENIX, the progress made in commissioning the detector subsystems including initial physics results from run 2023 Au+Au data. Additionally, we will discuss performance projections for the entire physics program.

Internet talk

Maybe

Is this an abstract from experimental collaboration?

Yes

Name of experiment and experimental site

sPHENIX, RHIC

Is the speaker for that presentation defined?

Yes

Details

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