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The sPHENIX Experiment

Thursday, August 6, 2015 5:00 PM (20 minutes)

sPHENIX is a proposal for a new experiment at RHIC capable of measuring jets, jet correlations and upsilons to determine the temperature dependence of transport coefficients of the quark-gluon plasma (QGP). The sPHENIX detector will acquire a large sample of events with a high rate data acquisition system from a large acceptance spectrometer with full hadronic and electromagnetic calorimetry and precision tracking. A program of systematic measurements near the QGP transition temperature at RHIC will complement existing and planned measurements being made as part of the LHC heavy-ion program. The talk will describe the proposed new detector and some of the key measurements enabled by it.

Oral or Poster Presentation

Oral

Primary author: HAGGERTY, John (Brookhaven National Laboratory)

Presenter: HAGGERTY, John (Brookhaven National Laboratory)

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