



Contribution ID: 289

Type: **Poster**

sPHENIX: A New Experiment at RHIC

Tuesday 29 September 2015 16:30 (2 hours)

sPHENIX is a proposal for a second generation experiment at RHIC capable of measuring jets, jet correlations and upsilons to determine the temperature dependence of transport coefficients of the quark-gluon plasma using electromagnetic and hadronic calorimetry and precision tracking. The experiment enables a program of systematic measurements near the transition temperature at RHIC with a detector capable of acquiring a huge sample of events in p+p, p+A, and A+A collisions from a large acceptance spectrometer. The poster will summarize the key measurements enabled by the new detector, progress on the realization of the apparatus, and possibilities for future enhancements to it.

On behalf of collaboration:

PHENIX

Primary author: HAGGERTY, John (Brookhaven National Laboratory)

Presenter: HAGGERTY, John (Brookhaven National Laboratory)

Session Classification: Poster Session

Track Classification: Future Experimental Facilities, Upgrades, and Instrumentation