



Contribution ID: 382

Type: **Oral Presentation**

The sPHENIX Experiment at RHIC (15' + 5')

Friday 5 August 2016 15:50 (20 minutes)

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 physics program focuses on systematic measurements near the transition temperature at RHIC with a detector capable of acquiring a huge sample of events in A+A, p+A and p+p collisions with a large acceptance spectrometer and a high-rate data acquisition. Key measurements enabled by the new detector, progress on the realization of the apparatus, and possibilities for future enhancements to it, will be described.

Presenter: SEN, Abhisek (Georgia State University)

Session Classification: Heavy Ions

Track Classification: Heavy Ions