

Abstract Submitted
for the DNP17 Meeting of
The American Physical Society

The sPHENIX Experiment at RHIC JOHN HAGGERTY,
Brookhaven National Laboratory, SPHENIX COLLABORATION — The proposed
sPHENIX experiment at RHIC will make high statistics measurements of jets, jet
correlations, and upsilon states in heavy ion collisions in the early 2020's. High
resolution tracking coupled with uniform electromagnetic and hadronic calorimetry
will be used to characterize the temperature dependence of transport coefficients
of the quark-gluon plasma. Progress on the design of the detector, test results of
prototypes, and expectations from full detector simulation which demonstrate the
capabilities of the experiment will be presented.

John Haggerty
Brookhaven National Laboratory

Date submitted: 30 Jun 2017

Electronic form version 1.4