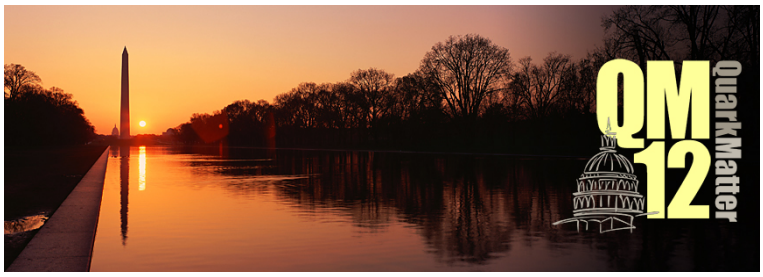


Contribution ID: **249** Type: **Oral Presentation**

# R_CP and R_AA Measurements of Identified and Unidentified Charged Particles at High p_T in Au+Au Collisions at 7.7, 11.5, 19.6, 27, 39, and 62.4 GeV in STAR

*Thursday 16 August 2012 15:00 (20 minutes)*

The suppression of high $p_T$ hadrons in 200 GeV Au+Au collisions at RHIC has been seen as a signature for a partonic medium being formed. The evolution of this key QGP signature is a powerful tool for studying the QCD phase structure in the RHIC Beam Energy Scan (BES). In this talk, we will present measurements of identified $\pi^{\pm}$, $K^{\pm}$, and $p(\bar{p})$ and unidentified charged particles in Au+Au collisions at $\sqrt{s_{NN}}$ =7.7, 11.5, 19.6, 27, 39, and 62.4 GeV. We will report nuclear modification factors $R_{CP}$ and $R_{AA}$ where published p+p references are available. These results offer insight into the $\sqrt{s_{NN}}$ dependence of high $p_T$ suppression in nuclear collisions.

**Primary author:** SANGALINE, Evan (UC Davis)

**Co-author:** HORVAT, Stephen (Y)

**Presenter:** SANGALINE, Evan (UC Davis)

**Session Classification:** Parallel 5C: High pt and Jets (Chair B. Cole)

**Track Classification:** Jets