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## **R<sub>CP</sub> and R<sub>AA</sub> 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  $\sqrt{s_{NN}} = 7.7, 11.5, 19.6, 27, 39, \text{ and } 62.4$  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.

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