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Measurement of Upsilon suppression in Au+Au collisions at 200 GeV SHAWN WHITAKER, Iowa State University, PHENIX COLLABORATION — Understanding the quarkonium suppression mechanisms of the QGP is one of the outstanding challenges for theorists and experimentalists at RHIC. Measuring several states in the charmonium and bottomonium families is predicted to provide an indication of the temperature of the plasma since in a hot medium less tightly bound states are predicted to dissociate at lower temperatures than the more tightly bound ground states. A large sample of Au+Au collisions at $\sqrt{s_{NN}}$=200 GeV was collected during 2010 data taking run with the PHENIX detector at RHIC. From this sample Υ yields at mid-rapidity from the di-electron decay channel were determined and used to calculate its nuclear modification factor.

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