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Heavy Flavor Muons at Forward Rapidity in $\sqrt{s_{NN}}$ = 200 GeV collisions at PHENIX MATTHEW WYSOCKI, Oak Ridge National Laboratory, PHENIX COLLABORATION — Understanding the dynamics of heavy flavor production and suppression in A+A collisions is important to unraveling the properties of the quark-gluon plasma produced at RHIC. The related observables offer direct insight into the strongly-coupled nature of the medium. It has also become increasingly apparent that the production and suppression in the absence of a hot medium need to be studied in detail, via comprehensive measurements in p+p, p(d)+A, and A+A collisions of varying size and energy at RHIC and the LHC. In this talk I will discuss recently-released heavy flavor invariant yields and nuclear modification factors at forward and backward rapidity in d+Au collisions at PHENIX, as well as the current progress in analyzing the same in the 2012 $\sqrt{s_{NN}}$ = 200 GeV Cu+Au and p+p data.

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