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**A parametric study of di-hadron azimuthal angular correlations in forward rapidity proton-nucleus collisions at RHIC and the LHC** JAMAL JALILIAN-MARIAN, ELENA PETRESKA, Baruch College, CUNY — We investigate the behavior of di-hadron azimuthal angular correlations in high energy proton-nucleus collisions at RHIC and the LHC in the forward rapidity region. We consider the correlations in different kinematics separated by the saturation scale of the nucleus and study the dependence of the correlations on the transverse momenta of the hadrons as compared to the nuclear saturation scale. We then investigate the effect of the recently proposed quartic terms in the action on the angular correlation.

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