

TWO-PARTICLE DISTRIBUTION IN AA COLLISIONS IN THE CGC FRAMEWORK

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We evaluate the 2-particle spectrum resulting from the collision of two heavy ions in the Color Glass Condensate framework. Our approach provides an explicit expression for the Leading Order 2-particle correlation function in terms of classical fields and quantum fluctuations about the classical field. We report on preliminary results on 1-loop corrections to the 2-particle spectrum and the insight they provide into high energy factorization in QCD. The implications of these results for correlated particle production at RHIC and the LHC are discussed.