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Two particle correlations in pA collisions from the CGC

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The ridge phenomena observed in small size systems such as high multiplicity pp and pA collisions triggered a lot of activity to study the two particle correlations from the initial state point of view. In this talk, we will discuss the multiplicity and mean transverse momentum dependence of v2 by adopting CGC-based calculations in pA collisions. More precisely, we apply CGC techniques to study the correlations between v2 and the total multiplicity of particles produced in the collision and the correlations between v2 and the mean transverse momentum of these particles.

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