

# 4th International Conference on the Initial Stages in High-Energy Nuclear Collisions



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## Quark correlations in the CGC

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We consider correlations between produced quarks in p-A collisions in the framework of the Color Glass Condensate. We show that a quark-quark ridge that shows a dip at  $\Delta\eta \sim 2$  relative to the gluon-gluon ridge. The origin of this dip is the short range (in rapidity) Pauli blocking experienced by quarks in the wave function of the incoming projectile. We observe that these correlations, present in the initial state, survive the scattering process. We also discuss the correlations between the produced quarks and antiquarks in p-A collisions.

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