



Contribution ID: 71

Type: **not specified**

## Initial state correlations and the Ridge

*Tuesday, 8 March 2016 19:00 (30 minutes)*

We point out that Bose enhancement in a hadronic wave function generically leads to correlations between produced particles. We show explicitly, by calculating the projectile density matrix in the Color Glass Condensate approach to high-energy hadronic collisions, that the Bose enhancement of gluons in the projectile leads to azimuthal collimation of long range rapidity correlations of the produced particles, the so-called ridge correlations.

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**Session Classification:** Tuesday Afternoon