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Probing saturation with dijets at LHC

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Dijet production in the gluon saturation regime provides a unique probe for the gluonic content of hadrons.

This is because such process is, in general, sensitive to several small- x transverse momentum dependent (TMD) gluon distributions.

In this talk I shall discuss a factorization-like approach which is suitable for production of dijet system with rather large transverse momenta.

Although it involves several not known small- x TMD gluon distributions (breaking thus ordinary factorization), they all can be calculated in the Gaussian approximation of the Color Glass Condensate.

I shall present some numerical predictions for the LHC, both for pA collisions and for ultra-peripheral AA collisions. The last process is very interesting as it probes directly TMD gluon distribution not accessible otherwise.

Primary author: KOTKO, Piotr (Penn State University)

Presenter: KOTKO, Piotr (Penn State University)

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