

*Organisé conjointement par
CPHT-École Polytechnique et Groupe Théorie IPN Orsay*

SÉMINAIRE de PHYSIQUE des PARTICULES

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QCD Wigner distribution at small-x

Résumé :

The Wigner distribution has been proposed as the phase space distribution of partons inside the nucleon, and serves as mother distribution of three-dimensional distributions such as GPDs and TMDs. In this talk first I explain that it is possible to experimentally probe the gluon Wigner distribution at small-x in diffractive dijet production in DIS. I then compute the Wigner and related distributions including the gluon saturation effect. Finally, I briefly report on our ongoing work toward measuring the gluon orbital angular momentum.

Jeudi 1 Décembre 2016

11:00

Salle de conférences, bât. 6