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

# SÉMINAIRE de PHYSIQUE des PARTICULES

**Amir Rezaeian**

**(Santa Maria U. & CCTVal)**

## Diffractive dijet production in the CGC

**Résumé** :
I will talk about exclusive dijet production in coherent diffractive processes in deep inelastic scattering and real (and virtual) photon-hadron collisions in the Color Glass Condensate formalism. I show that the diffractive dijet cross section is sensitive to the color-dipole orientation in the transverse plane, and is a good probe of possible correlations between the dipole transverse separation vector and the dipole impact parameter. I also show that the t-distribution of diffractive dijet photo-production off a proton target exhibits a dip-type structure in the saturation region. This effect is similar to diffractive vector meson production. Besides, at variance with the inclusive case, the effect of saturation leads to stronger azimuthal correlations between the jets.

**Jeudi 22 Septembre 2016**

**11:00**

**Salle de Conf. Bât. 6**