



Contribution ID: 16

Type: **Oral presentation**

Forward jets and saturation effects within the high energy factorization

Wednesday 30 April 2014 14:00 (20 minutes)

We present results for forward jet production in p-p and p-Pb collisions at LHC within the High Energy Factorization (HEF) framework, obtained using new Monte Carlo programs. The HEF framework incorporates a convolution of unintegrated gluon densities and off-shell matrix elements. We briefly discuss both components: the relevant evolution equations and methods to obtain tree level off-shell matrix elements in a gauge invariant way. In particular, a new program capable to obtain the latter analytically for multiple off-shell legs is presented.

Author: KOTKO, Piotr

Presenter: KOTKO, Piotr

Session Classification: WG2: Small-x, Diffraction and Vector Mesons

Track Classification: WG2: Small-x, Diffraction and Vector Mesons