## DIS 2014 - XXII. International Workshop on Deep-Inelastic Scattering and Related Subjects



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## 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.

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

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