Contribution ID: **28** Type: **not specified**

Improved theoretical description of Mueller-Navelet jets at LHC

Thursday, 2 June 2016 09:00 (30 minutes)

Mueller-Navelet jets (MNJ) are one of the most sensitive observables to QCD dynamics in the high-energy (low-x) regime. In this talk I describe two aspects that are important in order to provide accurate predictions for MNJ: 1) the matching of BFKL NLL dynamics with fixed NLO calculations; 2) a modified selection of the final state particles in order to be consistent with experimental measurements by CMS. I will show that both improvements lead to sizeable corrections with respect to the pure NLL BFKL analises carried out so far.

Presenter: COLFERAI, Dimitri

Session Classification: Talks