



Contribution ID: 308

Type: **not specified**

Small x resummation effects in forward Drell-Yan structure functions

Thursday, 6 April 2017 11:00 (20 minutes)

The forward Drell-Yan process is analysed assuming dominance of the quark-gluon partonic channel in the asymmetric kinematic configuration in which x of the gluon is very small. The small x logarithms in the gluon evolution are resummed using the BFKL formalism. Effects of the resummation are determined in all the Drell-Yan structure functions. In particular the impact of the gluon transverse momentum on the Lam-Tung relation breaking is investigated.

Primary authors: Mr BRZEMINSKI, Dawid (Cambridge University, UK); MOTYKA, Leszek; SADZIKOWSKI, Mariusz (Jagiellonian University); SLOMINSKI, Wojtek

Presenter: MOTYKA, Leszek

Session Classification: WG2 Low x and Diffraction

Track Classification: WG2) Low x and Diffraction