

BFKL evolution manifestations in jet production at colliders

Tuesday, 16 July 2019 12:00 (20 minutes)

Approach by Brodsky-Fadin-Kim-Lipatov-Pivovarov (BFKLP) for next-to-leading approximation (NLA) of Balitsky-Fadin-Lipatov-Kuraev (BFKL) evolution with generalized Brodsky-Lepage-McKenzie (BLM) resummation of QCD coupling constant effects is reviewed. Applications of NLA BFKL evolution within BFKLP approach for virtual gamma-gamma scattering and dijet productions with large rapidity separation in hadron collisions are discussed.

Primary author: Prof. KIM, Victor (NRC KI - PNPI, Gatchina & SPbPU, St. Petersburg)

Presenter: Prof. KIM, Victor (NRC KI - PNPI, Gatchina & SPbPU, St. Petersburg)

Session Classification: Modern problems in nuclear and elementary particle physics