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High-Energy QCD Asymptotics at Collider Energies

Saturday 7 July 2018 15:00 (30 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 resummation of QCD coupling constant effects is reviewed. Applications of NLA BFKL within BFKLP approach for gamma-gamma scattering and dijet productions with large rapidity separation in hadron collisions are discussed.

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