

Inclusive production of a pair of rapidity-separated, high p_t hadrons in proton collisions.

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Summary

We consider the inclusive process where the pair of identified hadrons having large transverse momenta is produced in high-energy proton-proton collisions. We concentrate on the kinematics where the two identified hadrons in the final state are separated by a large interval of rapidity. In this case the cross section receives large higher order corrections, which can be resummed in the BFKL approach. We provide a theoretical input for the resummation of such contributions with next-to-leading logarithmic accuracy. This process has much in common with the widely discussed Navelet jets production and can be also used to access the BFKL dynamics at proton colliders.

Primary author: Dr IVANOV, Dmitry (Sobolev Institute of Mathematics)

Co-author: Prof. PAPA, Alessandro (Universita' della Calabria)

Presenter: Dr IVANOV, Dmitry (Sobolev Institute of Mathematics)

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