XXI International Workshop on Deep-Inelastic Scattering and Related Subjects



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Mueller Navelet jets at LHC: a clean test of QCD resummation effects at high energy?

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Mueller Navelet jets were proposed 25 years ago as a decisive test of BFKL dynamics at hadron colliders. We here present a next-to-leading BFKL study of the cross section and azimuthal decorrelation of these jets. This includes both next-to-leading corrections to the Green's function and next-to-leading corrections to the Mueller Navelet vertices. We compare our results with the same observables obtained within next-to-leading logarithm DGLAP type treatment.

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