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[Cancelled] Dijet production at the LHC after applying a short-range rapidity constraint

We study azimuthal ratios in Mueller-Navalet jets after imposing a rapidity veto constraint. In particular, we restrict the minijet radiation activity by not allowing subsequent emissions to be closer in rapidity than some fixed value b, the value of the rapidity veto. Previous studies in the literature suggest that for the NLL BFKL Green's function a rapidity veto with a value of two units of rapidity is enough to sample the part of phase space that corresponds to collinear emissions for asymptotic c.o.m. energies. In this work, we investigate the optimal values of b for fitting different azimuthal ratios at the LHC colliding energies and we discuss phenomenological and more formal aspects of our approach.

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