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Rapidity correlations in multiperipheral models and high energy QCD

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Particle-particle correlations, especially rapidity-rapidity correlations was already an important tool for hadron collider physics since the early 70s. Recently, we studied one-particle rapidity distributions and two-particle rapidity-rapidity correlations at hadron colliders revisiting one of the old models, the Chew-Pigniotti multiperipheral model and we were surprised to realize that the predictions were very much in line with the predictions one gets for the minijet radiation by using perturbative high energy QCD. Here, we report on further results we obtain from studying rapidity-rapidity correlations by using the Monte Carlo code BFKLex.

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