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Single inclusive very forward jet production

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I am going to present predictions for spectra of very forward single inclusive jet production in proton-proton collisions obtained within High Energy Factorization.
The calculations are performed in HEF are compared to Pythia MC generator. The options available in Pythiia allow us to study importance of various effects like multiple interactions, hadronization.
We explicitly show that once the hard cut on transversal momenta in Pythia are applied the result for considered spectra of jet is very similar up to normalization to the BK based calculation while when the soft cut is applied the result is consistent up to normalization to the BFKL result.

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