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Improved Transversal Momentum Factorization and production of forward jets

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I am going to present results of application of recently formulated Transversal Momentum Dependent Factorization (ITMD) to provide predictions for spectra of produced at LHC di-jets in p-Pb collisions. Furthermore I am going to compare the results to results obtained within High Energy Factorization (HEF). The results show that while the ITMD predicts significant enhancement of the cross section as compared to HEF the results for R_{pA} are very similar within the two frameworks.

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