

Transverse-momentum resummation of colorless final states at the NNLL+NNLO

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Summary

The resummation of logarithmically enhanced terms at small transverse momenta is discussed for the production of a system of colorless particles. We present an automated computation of transverse-momentum spectra up to NNLL+NNLO, implemented in the MATRIX framework. Its application to diboson production allows for state-of-the-art predictions for the transverse-momentum distribution of the diboson pair, that are shown to improve the comparison to data in the case of ZZ production.

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