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IR-Improved DGLAP-CS Parton Shower Effects in W+n Jets

Monday 8 August 2016 18:30 (2 hours)

We use recently introduced MC realizations of IR-improved DGLAP-CS parton showers to study the attendant improvement effects in W+n jets at the LHC in the MG5_aMC@NLO framework for the exact $calO(\alpha_s)$ corrections. We compare our results with the available LHC data and discuss the corresponding phenomenological implications.

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