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Drell Yan production at low k_T at LHC with PB TMDs

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This work presents the study of the low k_T behaviour of the PB TMD parton distributions by investigating the production of Drell Yan pairs at different invariant masses obtained at LHC at the centre of mass energies of 8 and 13 TeV. The study will be performed by applying NLO calculations for Drell Yan production using MADGRAPH5_AMC@NLO. By applying the PB method, it will be shown that the intrinsic parton k_T distribution does not affect Drell Yan and Z production at the LHC.

Primary author: BUBANJA, Itana

Co-authors: JUNG, Hannes (DESY); FAVART, Laurent (Université libre de Bruxelles); RAICEVIC, Natasa (H1/PODG (H1 / Uni Montenegro))

Presenter: BUBANJA, Itana

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