Contribution ID: 11 Type: not specified

Parton shower based on TMD parton distributions

Monday, 25 November 2019 17:40 (20 minutes)

We present a parton shower based on Transverse Momentum Dependent (TMD) parton distributions obtained with the Parton Branching method. We investigate how well the TMD parton shower reproduces the TMD parton distributions. Applications of the TMD parton shower to LHC processes will be presented.

 $\textbf{Primary authors:} \hspace{0.2cm} \textbf{SCHMITZ}, \textbf{Melanie (DESY); JUNG, Hannes (DESY); TAHERI MONFARED, Sara (DESY); HAUT-ALL MONF$

MANN, Francesco (University of Antwerp, University of Oxford, University of the Basque Country)

Presenter: SCHMITZ, Melanie (DESY)Session Classification: Monday 2