

Vector boson production and TMD extraction at N4LL

Monday 2 October 2023 16:30 (30 minutes)

For the first time N4LL resummation is used to extract non-perturbative distributions. These are the TMD of quarks in protons and we use TMD factorization. The data that have been included in the fit come from ATLAS, CMS, LHB and other hadron colliders. I will describe the details of the extraction and error analysis.
e-Print:2305.07473 [hep-ph]

Author: SCIMEMI, Ignazio (Universidad Complutense (ES))

Presenter: SCIMEMI, Ignazio (Universidad Complutense (ES))

Session Classification: CPAN - Session Fisica Teórica

Track Classification: CPAN - Session Fisica Teórica