EPS-HEP2023 conference



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Type: Parallel session talk

Z'-boson dilepton searches and the high-x quark density

Tuesday 22 August 2023 09:30 (15 minutes)

We study the influence of theoretical systematic uncertainties due to the quark density on LHC experimental searches for Z'-bosons.

Using an approach originally proposed in the context of the ABMP16 PDF set for the high-x behaviour of the quark density, we presents results on differential cross section and Forward-Backward asymmetry observables commonly used to study Z' signals in dilepton channels.

Collaboration / Activity

Any

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