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Bézier curve parametrization for pion PDFs

Wednesday, 29 March 2023 09:40 (20 minutes)

We present a methodology to improve the determination of PDF parametrization, the Fantômas4QCD package. It is achieved through Bézier curve fitting. Thanks to the implementation of our technique in the xFitter package, we have performed a global analysis of the pion PDF —the first analysis to account for the role of the functional form in its uncertainty.

Submitted on behalf of a Collaboration?

No

Participate in poster competition?

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