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The parton-to-kaon fragmentation functions from global QCD fits at NLO

Tuesday, 31 October 2017 18:00 (35 minutes)

In this talk we revisit the global QCD analysis of the parton-to-kaon fragmentation functions at next-to-leading order accuracy using the latest experimental information on single-inclusive kaon production in electron-positron annihilation, lepton-nucleon deep-inelastic scattering, and proton-proton collisions. An excellent description of all data sets is achieved, and the remaining uncertainties in parton-to-kaon fragmentation functions are estimated and discussed based on the Hessian method.

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