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EINLADUNG

im Rahmen des Teilchenphysikseminars

zum Vortrag

von

Pier Monni

(CERN)

über

"A numerical formulation of resummation in effective field theory"

Abstract:
I show how the resummation of infrared and collinear logarithms within Soft-Collinear Effective Theory (SCET) can be formulated in a way that makes it suitable for a Monte-Carlo implementation. This is done by applying the techniques developed for automated resummation using the branching formalism, which have resulted in the general resummation approach CAESAR/ARES. This work builds a connection between the two resummation approaches, and paves the way to automated resummation in SCET. As a case study I consider the resummation of the thrust distribution in electron-positron collisions at next-to-leading logarithm (NLL), and discuss the extension to more complicated observables and processes as well as to higher orders in the logarithmic accuracy.

Zeit: Dienstag**,** 26.6.2018, **16:15**

Ort: Erwin Schrödinger-Hörsaal, Boltzmanngasse 5, 5. Stock

gez**.:** A. Hoang, M. Procura