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Using a collinear factorisation approach at e+e-colliders

Thursday, 18 March 2021 11:30 (20 minutes)

I discuss how to employ collinear factorisation theorems for the computation of generic hard-production processes at e+e- colliders, in particular by stressing the strong analogies with their analogues which are routinely used in the context of LHC physics. I shall briefly describe some recent work on the universal behaviour associated with small-angle emissions in QED, that leads to the definition of “parton” distribution functions, and the work in progress on the implementation of these ideas into the automated MadGraph5_aMC@NLO framework.

Time Zone

Europe/Africa/Middle East

Primary author: FRIXIONE, Stefano (INFN)

Presenter: FRIXIONE, Stefano (INFN)

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