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Overview of IR-Improvement in Precision LHC/FCC Physics

Friday, 8 July 2022 20:10 (20 minutes)

We present an overview of the use of IR-improvement of unintegrable singularities in the infrared regime via amplitude-based resummation in $\text{QED} \times \text{QCD} \subset \text{SU}(2)_L \times \text{U}_1 \times \text{SU}(3)^c$. We work in the context of precision LHC/FCC physics. While illustrating such IR-improvement in specific examples, we discuss new results and new issues.

In-person participation

Yes

Primary authors: Dr SHAKERIN, Bahram; WARD, Bennie (Baylor University); YOST, Scott (The Citadel); Dr LIU, Yang

Presenter: YOST, Scott (The Citadel)

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