QCD@LHC2022
28 November 2022 to 2 December 2022
IJCLab Orsay, France

Contribution ID: **90** Type: **not specified**

The DGLAP-SMEFT interplay

Friday 2 December 2022 12:00 (15 minutes)

The DGLAP equations describe how parton distribution functions evolve between different energy scales. In this talk, we will discuss how potential effects of New Physics, parametrised in terms of higher dimensional operators in the Standard Model Effective Field Theory, could affect these equations. We assess the importance of the dimensionality of the operators and the role that it plays in the calculation of the DGLAP splitting functions in the collinear limit.

Declaration

I certify that I have checked that I am authorised to submit the abstract with the listed co-authors with their current affiliations

Change of Speaker

I understand that change of speaker is allowed provided that no participant gives more than one talk. Otherwise, we will ask the speaker to choose between one or the other abstract to be presented.

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Session Classification: Parallel B - WG8: 2

Track Classification: WG8: QCD for BSM studies