Contribution ID: **9**   Type: **Long talk (20 mins)**

The DGLAP-SMEFT interplay

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.

Type of presentation

20 minute talk

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Beyond the Standard Model

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Session Classification: Full Length Talks