

## **Novel geometric approach to scalar Effective Field Theories**

Geometric formalisms have been long employed to describe QFTs of scalar fields and, in the past few years, they have been successfully applied to the study of SM EFT and Higgs EFTs.

The talk will first give an overview of these methods, highlighting their power and their shortcomings. It will then introduce a novel geometric formalism that aims at resolving some of the latter, which is based on the mathematical notion of jet bundles. The talk is based on 2308.00017 and an upcoming publication

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