First ECFA WORKSHOP.

Contribution ID: **27** Type: **Parallel session talk**

The geometric SMEFT

Thursday 6 October 2022 17:11 (17 minutes)

The effective field theory approach to the Standard Model, the SMEFT, has been used to study LHC data with ever increasing theoretical precision and sophistication recently. The explosion in the number of parameters in the SMEFT as a function of operator mass dimension, and the technical challenge or reformulating SM predictions consistently into the SMEFT were very serious problems for years. I will discuss how these challenges have been overcome
using an understanding that the projection of curved scalar field spaces generated by the Higgs - in the Geometric SMEFT.

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Session Classification: WG1: joined HTE & GLOB session

Track Classification: WG1-HTE+GLOB - Physics Potential: Higgs, top and EW joint with Global Interpretations