

## Effective theories in the Higgs sector

*Friday 6 January 2023 15:15 (40 minutes)*

A general and conceptual introduction to effective field theories (EFT) is given and applied to EFT extensions of the Standard Model. The focus of the talk is on the Higgs sector and examples of recent LHC experimental constraints from single and di-Higgs production are discussed. To be exploited to its full power EFTs requires complex analysis techniques involving multiple measurements, and the implementations of these are currently under very active development.

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**Session Classification:** Invited talks VI