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## Effective Field Theory interpretations of Higgs boson measurements by the ATLAS experiment

*Thursday, 7 July 2022 16:15 (15 minutes)*

In the absence of direct observations of physics beyond the Standard Model (BSM) at the LHC, the interpretation of Standard Model measurements in the framework of an Effective Field Theory (EFT) represents the most powerful tool to identify BSM phenomena in tiny deviations from the measurement from the SM predictions, to interpret them in term of generic new interactions, or to place model-independent constraints on new physics scenarios. This talk presents various EFT interpretations of individual and combined measurements in the Higgs sector by the ATLAS experiment.

### In-person participation

No

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