

Combined Effective Field Theory interpretation of ATLAS Higgs and Standard Model measurements

Tuesday, November 8, 2022 10:00 AM (15 minutes)

In the absence of direct observations of new physics beyond the Standard Model, interpretations of results using Effective Field Theories can be a powerful tool to place near-model-independent constraints on new physics scenarios, or better observe deviations from the Standard Model and have it interpreted in terms of specific new interactions. This talk presents Effective Field Theory interpretations of individual and combined results from the ATLAS experiment, including the combined measurements of the Higgs boson coupling properties.

Type of talk

Experimental measurements

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Session Classification: Tuesday Session B

Track Classification: Physics Topics: Effective Field Theory