

Double Higgs Production in Vector Boson Fusion at NLO QCD in HEFT

Tuesday 18 March 2025 16:30 (30 minutes)

We present a calculation of the NLO QCD corrections to Higgs boson pair production in vector boson fusion, combined with the leading operators parametrising anomalous interactions in non-linear Effective Field Theory (HEFT). Based on our Monte Carlo implementation using GoSam+Whizard, we investigate the effects of anomalous Higgs couplings on various observables.

Track/session

Plenary track

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Session Classification: Early career scientists presentations