

# Double Higgs production in vector boson fusion at NLO QCD with anomalous couplings

*Thursday 5 December 2024 11:10 (20 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.

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**Session Classification:** WG4 parallel session