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Probing Wilson Coefficient in an EFT Model using VH All Hadronic Decays SYED HAIDER ABIDI, VIVIANA CAVALIERE, Brookhaven National Laboratory — With the discovery and its subsequent measurements at the LHC, the Higgs boson has been firmly established and now is being used as a probe for new physics. The Effective field theory (EFT) framework parametrizes a large variety of new BSM scenarios. Sensitivity to various Wilson coefficients comes from high energy processes where a variety of particles are involved. One such process is the fully hadronically decaying vector associated Higgs (VH) production. We present first estimates of the constraints on various operators that can be derived by probing this process at the HL-LHC.

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