

Phenomenology 2023 Symposium



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Effects of EFT operators on off-shell production of the Higgs boson

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We present simulation of the dominant off-shell Higgs production mechanisms (gluon fusion, vector boson fusion, and associated production with a vector boson) with subsequent decay to two Z bosons. Effects of Effective Field Theory (EFT) operators on kinematic distributions are modeled for the signal and interfering background diagrams.

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