

ZH production in gluon fusion at NLO QCD

Thursday, November 10, 2022 5:00 PM (15 minutes)

We present NLO QCD corrections to ZH production in gluon fusion, including the effects of the top-quark mass. Our results are obtained by combining virtual corrections evaluated numerically using sector decomposition with virtual corrections obtained in an high-energy expansion.

We discuss the uncertainties related to the top-quark mass renormalization scheme and we present phenomenological results.

Type of talk

Theory

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Track Classification: Physics Topics: Precision measurements