

# Complete NLO QCD corrections to ZZ production in gluon fusion

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We present our results for complete next-to-leading order QCD corrections to ZZ production through gluon fusion. We combine the two-loop amplitudes with top quark mass dependence calculated numerically in a previous work with the analytic forms of massless, Higgs-mediated, and one-loop factorisable diagrams to obtain complete virtual corrections. We show that the choice of IR subtraction scheme used for virtuals has a significant impact on their size as well as required precision.

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