

# Two-loop virtual amplitudes for $qq \rightarrow ttH$ production (the $N_f$ -part)

*Friday 19 April 2024 09:30 (30 minutes)*

I'd like to present the results for the numerical calculation of the 2-loop virtual amplitudes for  $qq \rightarrow ttH$  production based on the recent work of arXiv:2402.03301, describing the methods (i.e. sector decomposition), the tools (pySecDec and Ratracer), and the outlook for the remaining work.

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