

Towards a numerical evaluation of $q\bar{q} \rightarrow t\bar{t}H$ at two loops

Wednesday 6 November 2024 11:50 (20 minutes)

We present progress on the calculation of the virtual NNLO corrections to $t\bar{t}H$ production in the $q\bar{q}$ -channel. We focus on the numerical evaluation of the amplitude, and the associated challenge of constructing a grid to interpolate the amplitude over a 5-dimensional phase space.

Primary track

Precision Higgs measurements and calculations

Is the speaker a PhD student or post-doc?

Yes - My participation will be fully supported by my research group

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