

## Top mass effects in HJ and HH production

*Wednesday 11 September 2019 12:30 (25 minutes)*

I will present NLO corrections to Higgs boson production in association with a jet, retaining the full dependence on the top quark mass. Details of the calculation will be presented, focusing on the evaluation of the two-loop integrals, which is done numerically with the program SedDec. In particular I will present various improvements to the code, which have been achieved since the first publication of the results, resulting in an improved stability and reduced run time of the program.

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