

DIS2023: XXX International Workshop on Deep-Inelastic Scattering and Related Subjects



Contribution ID: 91

Type: **Parallel talk**

ttH production in NNLO QCD

Tuesday, 28 March 2023 11:50 (20 minutes)

The associated production of a Higgs boson with a top-antitop quark pair is a crucial process at the LHC since it allows for a direct measurement of the top-quark Yukawa coupling.

In this talk we present our recent computation of the NNLO QCD corrections to ttH production within $q\bar{q}$ -subtraction, with an emphasis on the steps needed to apply this formalism to this process and on possible further applications.

Submitted on behalf of a Collaboration?

No

Participate in poster competition?

Primary author: DEVOTO, Simone (UNIMI)

Presenter: DEVOTO, Simone (UNIMI)

Session Classification: WG4

Track Classification: WG4: QCD with Heavy Flavours and Hadronic Final States