

# 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 qT-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