



Contribution ID: 55

Type: **parallel talk**

## Soft Gluon Resummation for associated $t\bar{t}H$ Production at the LHC

*Monday 9 May 2016 15:30 (15 minutes)*

In this talk the computation of soft gluon resummation for  $pp \rightarrow t\bar{t}H$  will be presented. The absolute threshold resummation is carried out at NLL accuracy. This is the first application for the Mellin space technique to  $2 \rightarrow 3$  type processes. The impact of resummation on the numerical prediction for the total cross section and the theoretical uncertainties will be presented.

### Summary

**Primary authors:** KULESZA, Anna (University of Muenster); MOTYKA, Leszek; STEBEL, Tomasz (Jagiellonian University); THEEUWES, Vincent (SUNY, Buffalo)

**Presenter:** THEEUWES, Vincent (SUNY, Buffalo)

**Session Classification:** Higgs