

# STXS and differential cross section measurements at CMS, bosonic channels

*Tuesday 5 November 2024 10:00 (20 minutes)*

We will discuss the latest differential measurements of Higgs boson cross sections with the CMS detector in bosonic decay channels. Both fiducial differential cross section measurements and measurements in the simplified template cross section framework will be presented. The data collected during Run 2 of the LHC by the CMS experiment are used. We also present interpretations of these measurements as constraints on constraints of Wilson coefficients of beyond Standard Model operators in the framework of Effective Field Theories.

## Primary track

### Is the speaker a PhD student or post-doc?

No

**Presenter:** DAUMANN, Caio Cesar (Rheinisch Westfaelische Tech. Hoch. (DE))

**Session Classification:** Precision Higgs measurements and calculations 1 - sal IV

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