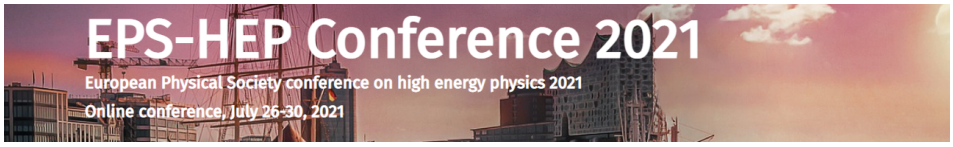

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Differential cross section measurements of top quark pair production in association with vector bosons at the CMS experiment

Top quark pair production in association with a vector boson (photon or Z boson) provides an experimental probe for the electroweak couplings of the top quark. To improve the sensitivity to possible new physics modifications of these couplings, the CMS experiment performs differential cross section measurements using proton-proton collisions data collected at 13 TeV. To correct for detector resolution and reconstruction effects, an unfolding procedure is applied to the measured distributions and the results are presented at particle- or parton-level. Comparisons are performed with state-of-the-art theory predictions.

First author

Joscha Knolle

Email

joscha.knolle@cern.ch

Collaboration / Activity

CMS Collaboration

Primary author: KNOLLE, Joscha (Ghent University)

Presenter: KNOLLE, Joscha (Ghent University)

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