



Contribution ID: 266

Type: **Parallel**

## Measurements top quark production associated with a W boson or a photon at CMS

*Monday 7 July 2025 09:25 (20 minutes)*

Precision measurements of top quark production cross sections are crucial for validating the Standard Model and investigating potential new physics. In this talk, we present both inclusive and differential measurements of top quark production in association with a photon or a W boson, using CMS data from 13 TeV pp collisions. Our results achieve improved precision, and we report, for the first time, measurements of several differential cross sections in these channels.

### Secondary track

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**Session Classification:** T06

**Track Classification:** T06 - Top and Electroweak Physics