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## Studies of top associated productions with vector bosons and heavy flavor quarks in CMS

*Friday, 8 July 2022 11:45 (20 minutes)*

A comprehensive set of measurements of top quark production in association with vector bosons (W, Z, gamma) using data collected by the CMS experiment is presented. Differential cross sections are measured as functions of several kinematic observables from the final state physics objects and compared to standard model predictions.

### In-person participation

Yes

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