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## Top quark cross sections in CMS

*Tuesday, August 6, 2019 4:45 PM (12 minutes)*

### Summary

Latest results on inclusive and differential top quark pair and single top quark production cross sections are presented using proton-proton collision data collected by CMS. Results from top quark pair produced in association with b and light jets are also presented. The differential cross sections are measured as a function of various kinematic observables of the top quarks and the jets and leptons of the event final state. The results are confronted with precise theory calculations and used to constrain Standard Model parameters.

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