

XXVIII International Workshop on Deep-Inelastic Scattering and Related Subjects



Contribution ID: 412

Type: **Contributed Talk**

Top quark pair and single top cross sections in CMS

Thursday, 15 April 2021 08:18 (23 minutes)

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 the CMS experiment. 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. Measurements are performed also with high p_T top quarks, i.e., in boosted regimes.

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Session Classification: QCD with Heavy Flavors and Hadronic Final States

Track Classification: QCD with Heavy Flavors and Hadronic Final States