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## **Measurement of Normalized Differential Cross Section for the $t\bar{t}$ Production in the Dilepton Channel in $pp$ Collisions at $\sqrt{s}=13$ TeV**

*Monday 8 August 2016 18:30 (2 hours)*

Differential cross sections of top-quark pair production are measured in the dilepton decay channel with proton-proton collisions at a center-of-mass energy of 13 TeV. The measurement is performed with Run II data using the CMS detector at the Large Hadron Collider. In this analysis, we measure the differential cross sections with respect to the kinematic variables of leptons,  $b$ jets, and top-quarks at particle level.

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