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Inclusive top-quark pair production cross section in pp collisions at $\sqrt{s} = 13$ TeV in CMS in the dileptonic final state

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The inclusive cross section for top-quark pair production is measured in proton-proton collisions at a centre-of-mass energy of 13 TeV with the CMS experiment at the LHC using the data samples collected in 2015 and the first data collected in 2016. The measurement is performed with events containing an opposite charge electron-muon pair and at least 2 jets, one of which is identified as a b-jet. Background estimates are obtained using data driven techniques as much as possible and a event counting is used for the final measurement.

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