



Contribution ID: 168

Type: **not specified**

Measurement of $t\bar{t}$ -gamma production cross section at CMS

Wednesday 5 August 2015 16:50 (25 minutes)

We present a measurement of the production cross-section of top-quark pairs in association with a photon in pp collisions at center-of-mass energy of 8 TeV. The data was recorded at the CMS experiment, corresponding to 19.7 fb⁻¹ integrated luminosity. The measurement is performed in dilepton and lepton+jets final states. Data-driven methods are used to estimate the photon identification efficiency and purity. The measured cross-section agrees with the standard model expectation.

Oral or Poster Presentation

Oral

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