

Abstract Submitted
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Measurement of inclusive top pair plus photon production cross-section MIKHAIL MAKOUSKI, Kansas State University, CMS COLLABORATION — A measurement is presented of the production cross-section of top-quark pairs associated with a photon in proton-proton collisions at a centre-of-mass energy of 8 TeV. The data were recorded at the CMS experiment at the LHC in the year 2012. The measurement is performed in the decay channel with one electron and jets in the final state. Data-driven methods are used to estimate the photon identification efficiency and purity. The measured cross-section is compared with the standard model expectation.

Mikhail Makouski
Kansas State University

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