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Measurement of the production cross sections of top quark pairs in association with a W or Z boson using proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector

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We present a measurement of the production cross sections of top quark pairs in association with a W or Z boson. The measurement uses 20.3 fb^{-1} of data from proton-proton collisions at $\sqrt{s}=8$ TeV recorded by the ATLAS detector at the LHC at CERN. Four different final states are considered: two opposite-sign leptons, two same-sign leptons, three leptons, and four leptons. We report the $t\bar{t} + Z$ and $t\bar{t} + W$ signal strength with respect to the Standard Model prediction, as well as the corresponding signal significance.

Oral or Poster Presentation

Oral

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