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Differential cross-sections in the dilepton channel at 13 TeV with the ATLAS experiment

Measurements of differential topquark pair production cross sections in proton-proton collisions with the ATLAS detector at the Large Hadron Collider are presented at a center of mass energy of 13 TeV in the dilepton channel. Differential measurements of the kinematic properties of top quark and the top-antitop quark pair are discussed and probe our understanding of top-pair production in the TeV regime. The results, unfolded to particle level, are compared to Monte Carlo generators implementing LO and NLO matrix elements matched with parton showers.

Summary

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