Measurement of the $W^+W^-$ Production Cross Section in Proton-Proton Collisions at $\sqrt{s} = 8$ TeV with the ATLAS Detector

HAOLU FENG$^1$, Univ of Michigan - Ann Arbor, ATLAS COLLABORATION — We report a measurement of the $W^+W^-$ production cross section in pp collisions at $\sqrt{s} = 8$ TeV. The $W^+W^-$ leptonic decay channels are analyzed using data corresponding to 20.3 fb$^{-1}$ of integrated luminosity collected by the ATLAS detector in 2012 at the CERN Large Hadron Collider. The cross-section results will be presented along with limits on Anomalous Triple-Gauge-Boson Couplings.

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