

Abstract Submitted  
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**Measurement of the  $W^+W^-$  Production Cross Section in Proton-Proton Collisions at  $\sqrt{s} = 8$  TeV with the ATLAS Detector** HAOLU FENG<sup>1</sup>,  
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  $20.3 \text{ fb}^{-1}$  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.

<sup>1</sup>On behalf of the WW Analysis group of ATLAS

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