Abstract Submitted
for the APR16 Meeting of
The American Physical Society

Search for the triboson WWW production at ATLAS ISMET SIRAL, Univ of Michigan - Ann Arbor, ATLAS COLLABORATION — We present the first search for the triboson WWW production in the final state with two same-sign leptons and two jets using 20.3 fb^{-1} of pp collision data taken at 8 TeV with the ATLAS detector. Triple and quartic gauge boson couplings exist in the Standard Model due to the non-Abelian gauge structure of the electroweak theory. This channel has the advantage of low SM backgrounds due to the requirement of two same-sign isolated leptons, high branching ratios due to the hadronic decay of one W boson, and signal region defined as two jets with the invariant mass close to the mass of the W boson. We present details for this analysis and show upper limits for the production cross section and anomalous quartic gauge couplings.

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Date submitted: 08 Jan 2016 Electronic form version 1.4