## Abstract Submitted for the APR16 Meeting of The American Physical Society

Study of electroweak WW/WZ production accompanied with a high invariant-mass dijet system, in the semileptonic final state, and limits on anomalous quartic gauge couplings with the ATLAS detector. DMITRI TSYBYCHEV, Stony Brook University, ATLAS COLLABORATION — We present a study of electroweak WW or WZ production in association with two additional jets, and limits on anomalous quartic gauge boson couplings in the semileptonic final state with the ATLAS detector at s = 8 TeV. The WW/WZ process is identified through a lepton plus large missing transverse energy and either two small-radius jets or one large-radius jet, with the mass of the jets consistent with the W/Z mass. The two additional jets are required to have a large invariant mass, characteristic of vector boson scattering. The reconstructed transverse mass of the di-boson system is used to set limits on anomalous contributions to the quartic gauge boson interactions.

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