Abstract Submitted
for the APR15 Meeting of
The American Physical Society

Search for diboson resonances with jets in 20fb^{-1} of pp collisions at $\sqrt{s}$ = 8 TeV with the ATLAS detector ANGEL CAMPOVERDE, Stony Brook University, ATLAS COLLABORATION — ATLAS data coming from 2012 8 TeV pp collisions are used to search for narrow diboson resonances in a dijet final state, where each jet is identified as originating from the hadronic decay of a W or Z boson. The hadronic final state offers the highest branching ratio but it also has a huge QCD dijet background associated; to cope with it the analysis utilizes substructure within jets to identify diboson events. A data driven estimate of the background is used and any sign of new physics is expected as an excess of events in a smoothly falling dijet mass spectrum. The results are interpreted in terms of W$'$ bosons and Kaluza-Klein excitations of the graviton in the Randall-Sundrum model.

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Date submitted: 06 Jan 2015 Electronic form version 1.4