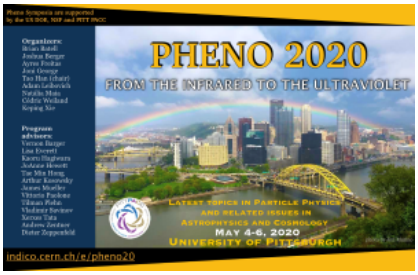

Contribution ID: **923** Type: **Parallel Talk**

Searches for Diboson Resonances at ATLAS

Tuesday 5 May 2020 14:00 (15 minutes)

The unprecedented energy and luminosity of LHC has been used to search for the production of pairs of bosons, as predicted in heavy vector triplet and radion models, amongst others. The searches reported here use the full-run 2 ATLAS data set to look for VV, VH, HH and Hgamma boson pairs. Various boson decay modes including W->lnu and qq, Z->ll, vv and qq, and H->bb and tautau are used, with all analyses featuring at least one hadronic boson decay. The production modes considered are either inclusive, or through vector boson fusion. Novel boosted analysis techniques have been used in both the bb and tautau final states.

Summary

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