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High mass Diboson Resonances with the ATLAS Detector (G)*

Tuesday 12 June 2018 13:30 (15 minutes)

Many extensions to the Standard Model predict new particles at the TeV scale which decay to pairs of electro-weak gauge bosons. The ATLAS detector is one the most sensitive probes for these scenarios because it studies the LHC collisions which have unprecedented center of mass energies and luminosity. In conjunction with new experimental techniques for identifying the hadronic decays of weak bosons, searches have been able to greatly increase the sensitivity for these TeV scale resonances. In this talk I will summarize recent results from diboson resonance searches with the 36.1fb⁻¹ of 13TeV pp collision data with ATLAS.

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