

Production Cross Section Measurements of Diboson and Triboson Containing W Bosons at ATLAS, LHC

Thursday, 15 August 2013 09:40 (20 minutes)

The production cross section measurements of dibosons and tribosons with W bosons using approximately 20 inverse femtobarn data of 8 TeV p-p collisions collected by the ATLAS detector at the Large Hadron Collider are presented. These measurements are important tests of the Standard Model predictions. The final states of interest include WW, WZ, Wgamma and Wgammagamma. No significant deviations from the SM expectations are observed and the limits on the anomalous gauge boson couplings are derived.

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Session Classification: Electroweak Physics

Track Classification: Electroweak Physics