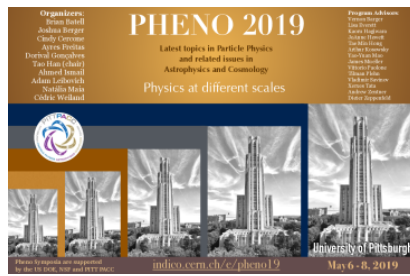


Phenomenology 2019 Symposium



Contribution ID: 700

Type: **not specified**

Observation and measurements of vector-boson scattering with ATLAS

Monday 6 May 2019 17:00 (15 minutes)

The scattering of electroweak bosons tests the gauge structure of the Standard Model and is sensitive to anomalous quartic gauge couplings. In this talk, we present recent results on vector-boson scattering from the ATLAS experiment using proton-proton collisions at $\sqrt{s}=13$ TeV. This includes the observation of WZ and same-sign-WW production via vector-boson scattering along with a measurement of VV production in semileptonic final states. If available, a measurement of Z γ production via vector-boson scattering will also be presented. The results can be used to constrain new physics that manifests as anomalous electroweak-boson self interactions.

Summary

Author: TODT, Stefanie (Technische Universitaet Dresden (DE))

Presenter: TODT, Stefanie (Technische Universitaet Dresden (DE))

Session Classification: QCD & EW II