

Abstract Submitted
for the OSF12 Meeting of
The American Physical Society

Measurement of Anomalous Trilinear Couplings of Electroweak Gauge Bosons KEVIN SIEHL, Wayne State University, CMS COLLABORATION
— The standard model of particle physics predicts specific couplings between the electroweak gauge bosons with each other. Any deviation of these couplings from the standard model predictions is a sign of new physics. We use MCFM to simulate the production of WW and WZ boson pairs for a range of coupling values around standard model values. Comparing cross sections in the simulations to data allows us to measure anomalous trilinear gauge couplings, or place limits on them.

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Date submitted: 07 Sep 2012

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