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Double Gauge Boson Production at 7/8/13TeV

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LHC measurements of multi-boson production processes involving combination of up to three W, Z and isolated photons are summarized. The cross sections are measured inclusively and differentially as a function of different kinematic quantities. First measurements of di-boson cross sections at center of mass energy 13TeV are presented. Production processes sensitive to vector-boson fusion and vector-boson scattering are also presented and compared to Standard Model expectations. Limits on anomalous triple and quartic gauge couplings have been derived.

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Classification de Session: Standard Model

Classification de thématique: Experiment