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Recent multi-boson and vector-boson scattering measurements from ATLAS

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Measurements of the cross sections of the production of multiple electroweak gauge bosons constitute stringent tests of the electroweak sector of the Standard Model and provide a model-independent means to search for new physics at the TeV scale. We present recent measurements of the inclusive and differential cross sections for WW, WZ, Z+photon, WWW, Z+2photons, exclusive WW and electroweak production of single W or Z bosons at pp collision energies of 8 TeV and 13 TeV. Distributions sensitive to anomalous triple or quartic gauge couplings have been studied and limits on new physics have been derived.

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