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Vector boson scattering measurements in ATLAS

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Measurements of diboson production in association with two additional jets at the LHC probe interactions between electroweak vector bosons predicted by the Standard Model and test contributions from anomalous quartic couplings. In this talk, the production of same-sign as well as opposite-sign WW production through vector boson scattering will be presented. Electroweak production of pairs of Z bosons and $Z+\gamma$ will also be discussed. Finally, a new measurement exploring semileptonic decays of boson pairs produced in association to two jets will be highlighted. Where applicable, differential measurements are presented and are used to set limits on dimension-8 effective field theory operators.

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