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## Measurements of multi-boson production including vector-boson scattering at ATLAS

*Friday 25 February 2022 09:45 (15 minutes)*

Measurements of multiboson production at the LHC probe the electroweak gauge structure of the Standard Model for contributions from anomalous couplings. In this talk we present recent ATLAS results on the measurement of electroweak production of a  $Z\gamma$  pair in association with two jets and the first observation of three  $W$  boson production. Moreover, precise boson and diboson differential cross-section measurements are interpreted in a combined Effective Field Theory analysis, allowing to systematically probe gauge boson self-interactions.

### Summary

**Presenter:** CARLSON, Ben (Westmont College)

**Session Classification:** Friday