



Contribution ID: 678

Type: **Parallel Talk**

Measurements of multi-boson production at ATLAS

Thursday, 7 July 2022 14:45 (20 minutes)

Measurements of multiboson production at the LHC are important probes of the electroweak gauge structure of the Standard Model. for contributions from anomalous couplings. In this talk we present recent ATLAS results on $Z\gamma$ production in association with jet activity. These differential measurements provide inputs and constraints on modeling of the Standard Model. Using di-boson processes to probe the boson polarization will also be discussed. Moreover, precise boson, diboson and Higgs differential cross-section measurements are interpreted in a combined Effective Field Theory analysis, allowing to systematically probe gauge boson self-interactions.

In-person participation

Yes

Primary author: JINNOUCHI, Osamu (Tokyo Institute of Technology)**Presenter:** BLUMENSCHIN, Ulla (QMUL)**Session Classification:** Top quark and EW Physics**Track Classification:** Top quark and EW Physics