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Di-boson simulation and precise measurement of $Z\gamma$ analysis in ATLAS Detector

Friday, 10 December 2021 16:05 (5 minutes)

Di-boson process is one important test of the Standard Model Electroweak Symmetry Breaking, and also backgrounds for many new physics searches. The study shows the simulation and precise measurement of di-boson
process in pp collisions at s = 13TeV, using a full dataset corresponding to an integrated luminosity of 139 fb−1 recorded with the ATLAS detector at the LHC. Di-boson process is also sensitive to anomalous triple gauge coupling which provide an opportunity to perform Beyond Standard Model study.

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