



Contribution ID: 60

Type: **not specified**

## **Cross section and coupling measurements with the ATLAS detector for the 125 GeV Higgs Boson in the diboson decay channels**

*Tuesday 4 April 2017 09:00 (15 minutes)*

Detailed measurements of the properties of the 125 GeV Higgs boson are fundamental for the understanding of the electroweak symmetry breaking mechanism. Measurements of the Higgs boson in the diboson final states allow to study the gauge and loop induced couplings of the Higgs boson both in production and decay modes. This talk summarizes ATLAS measurements of the 125 GeV Higgs boson in decays involving W, Z or photons.

**Authors:** ESCALIER, Marc (LAL-Orsay (FR)); LEIGHT, William Axel (DESY)

**Presenter:** LEIGHT, William Axel (DESY)

**Session Classification:** WG3 Higgs and BSM Physics in Hadron Collisions

**Track Classification:** WG3) Higgs and BSM Physics in Hadron Collisions