

# Cross section and coupling measurements with the ATLAS detector for the 125 GeV Higgs Boson

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 allow to study the gauge, loop induced and Yukawa couplings of the Higgs boson both in production and decay modes. This talk summarizes recent ATLAS measurements of the 125 GeV Higgs boson.

22/05/2017, 10:55 Michael D

**Primary author:** ROZEN, Yoram (Technion (IL))