



Contribution ID: 61

Type: **not specified**

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

Tuesday 4 April 2017 09:36 (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 fermion final states allow to study the Yukawa couplings of the Higgs boson through the decay mode and the gauge couplings of the Higgs boson through the production mode. This talk summarizes ATLAS measurements of the 125 GeV Higgs boson in decays involving b, tau and mu.

Primary authors: ESCALIER, Marc (LAL-Orsay (FR)); TA, Duc Bao (Albert-Ludwigs-Universitaet Freiburg (DE))

Presenter: TA, Duc Bao (Albert-Ludwigs-Universitaet Freiburg (DE))

Session Classification: WG3 Higgs and BSM Physics in Hadron Collisions

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