



Contribution ID : 975

Type : **Oral presentation**

Search for Higgs Bosons produced in association with top quarks with the ATLAS detector

Thursday, 3 July 2014 12:50 (20)

Since the discovery of a Higgs boson by the ATLAS and CMS experiments at the LHC, the emphasis has shifted towards measurements of its properties and the search for less sensitive channels in order to determine whether the new particle is the Standard Model Higgs boson. Of particular importance is the direct observation of the coupling of the Higgs boson to top quarks. In this talk a review of ATLAS results on the search for the

Higgs boson produced in association with top quarks, and on the search for flavour- changing neutral currents in top quark decays $t \rightarrow qH$ ($q = c, u$), will be presented.

Summary

Primary author(s) : ROOS, Lydia (CERN)

Presenter(s) : Dr. SHABALINA, Elizaveta (University of Goettingen)

Session Classification : BEH Physics

Track Classification : Brout-Englert-Higgs physics