



Contribution ID: 329

Type: **Parallel Talk**

Search for the SM Higgs boson in the $t\bar{t}H$ production channel using the ATLAS detector.

Friday, July 7, 2017 12:00 PM (15 minutes)

The associated production of the Higgs boson with top quarks should allow the direct observation of the coupling of the Higgs boson to top quarks. The channel also benefits for a large cross-section increase between 8 and 13 TeV. ATLAS results in the search for the Higgs boson in the $t\bar{t}H$ production mode based on about 36fb^{-1} collected data will be presented.

Experimental Collaboration

ATLAS

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Session Classification: Higgs and new physics

Track Classification: Higgs and New Physics