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## Measurement of fermionic couplings of the SM Higgs boson using the $bb$ , $\tau\tau$ and $\mu\mu$ decay channels with the ATLAS detector

*Thursday, 6 July 2017 10:45 (15 minutes)*

The latest results on the measurement of the cross sections and couplings of the Higgs boson in the fermionic decay channels to  $bb$ ,  $\tau\tau$  and  $\mu\mu$  with the ATLAS detector are presented, using approximately  $36 \text{ fb}^{-1}$  of  $pp$  collision data collected at 13 TeV.

### Experimental Collaboration

ATLAS

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**Session Classification:** Higgs and new physics

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