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## Search for LFV decays with Hadronic Taus of the Higgs with 2012 Data (ATLAS)

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The full data-set collected by the ATLAS detector in 2012 is analyzed to search for Lepton Flavor Violating (LFV) decays of the 125 GeV Higgs boson in final states of  $\tau_{had} + \mu$  and  $\tau_{had} + e$ . The search is based on data samples of proton-proton collisions at  $\sqrt{s} = 8$  TeV corresponding to an integrated luminosity of  $20.3 fb^{-1}$ . A cut-based approach is used, optimized to exploit the topology of LFV events, with signal and control regions defined by event kinematics.

### Oral or Poster Presentation

Oral

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