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Search for Higgs boson decays to second generation fermions and other Higgs boson rare decays at the ATLAS experiment

Thursday, 7 July 2022 10:30 (15 minutes)

With the full Run2 pp collision dataset collected at 13 TeV, the interactions of Higgs boson to third generation fermion have been established. For the understanding of Yukawa interaction mechanism, it is crucial to establish the interactions to second generation fermions. This talk presents the latest searches for the Higgs boson decays into second generation fermions, as well as for other Higgs rare decay modes, including the decays into quarkonia plus photon final states.

In-person participation

Yes

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