

Phenomenology 2020 Symposium



Contribution ID: 944

Type: **Parallel Talk**

Measurements of Higgs boson properties in the final state with four leptons at the ATLAS experiment

Tuesday 5 May 2020 17:45 (15 minutes)

The Higgs boson decay into the four-lepton final state can be fully reconstructed with very small backgrounds, and, despite the small $H \rightarrow 4\ell$ branching ratio, allows for detailed property measurements. This talk presents measurements sensitive to the Higgs boson production processes, kinematics, and mass based on pp collision data recorded at 13 TeV.

Summary

Primary author: WALBRECHT, Verena Maria (Max-Planck-Institut fur Physik (DE))

Presenter: WALBRECHT, Verena Maria (Max-Planck-Institut fur Physik (DE))

Session Classification: Higgs III

Track Classification: Higgs