

Measurements of the Higgs boson mass with the ATLAS detector

Thursday 18 July 2024 09:14 (17 minutes)

This talk presents precise measurement of the Higgs boson mass, obtained using the full dataset collected in pp collisions at 13 TeV during Run 2 of the LHC. The measurements are performed exploiting the Higgs boson decays into two photons or four leptons, as well as their combinations. The talk will describe the adopted analysis strategies, and it will stress the impact of the experimental techniques on these measurements.

Alternate track

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Yes

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