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Combined measurements of Higgs boson production and decays with the ATLAS detector

Thursday, 21 October 2021 16:50 (10 minutes)

The most precise measurements of Higgs boson cross sections, using the framework of simplified template cross sections, are obtained from a combination of measurements performed in the different Higgs boson decay channels using pp collision data with a center-of-mass energy of 13 TeV. This talk presents the combined measurements, as well as their interpretations in terms of Higgs coupling modifiers and their ratios, also taking into account results of searches for H->invisible decays as well as off-shell Higgs boson production.

speaker known

Primary authors: ATLAS COLLABORATION; RIU, Imma (IFAE Barcelona (ES))

Presenter: ARNOLD, Hannah (CERN)

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