

New Trends in High-Energy Physics



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Study of the properties of the Higgs boson

After the discovery of the Higgs boson in summer 2012, the understanding of its properties has been a high priority of the ATLAS and CMS physics programmes. Measurements of the Higgs boson mass, coupling constants and cross-sections are presented, based on the pp collision data acquired at 13 TeV. The analyses in several decay channels will be described and the results of the combination of different decay channels will be shown.

Author: Dr DAVIDEK, Tomas (Charles University, IPNP)

Presenter: Dr DAVIDEK, Tomas (Charles University, IPNP)