

Measurements of the Higgs boson mass and width at CMS

Thursday 18 July 2024 09:31 (17 minutes)

An important aspect of the Higgs boson physics programme at the LHC is to determine all the properties of this particle, including its mass, which is a free parameter in the SM, and its width. This presentation will discuss the latest developments in measurements of the Higgs boson mass and width, with data collected by the CMS experiment at a centre of mass energy of 13 TeV. Both direct and indirect constraints on the Higgs boson width will be shown.

Alternate track

I read the instructions above

Yes

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Session Classification: Higgs Physics

Track Classification: 01. Higgs Physics