



Contribution ID: 85

Type: **not specified**

Combined Measurement of the Higgs Boson Mass in pp Collisions at $\sqrt{s}=7$ and 8 TeV with the ATLAS and CMS Experiments

Wednesday, August 5, 2015 4:00 PM (30 minutes)

The mass of the Higgs boson is an important free parameter of the Standard Model (SM). Given the mass, all properties of the SM Higgs boson can be predicted. In this talk, I summarize the measurement of the Higgs boson mass based on the combined Run 1 datasets from the ATLAS and CMS experiments collected at $\sqrt{s} = 7$ TeV and 8 TeV at the LHC, using the high-resolution diphoton and four-lepton decay channels.

Oral or Poster Presentation

Oral

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Session Classification: EWK and Higgs Sector

Track Classification: Electroweak and Higgs Experiment