

Measurements of production cross sections of the Higgs boson in the four-lepton final state in proton-proton collisions at 13 TeV with the CMS detector

Tuesday, 17 August 2021 10:55 (15 minutes)

Production cross sections of the Higgs boson are measured in the $H \rightarrow ZZ \rightarrow 4l$ ($l = e, \mu$) decay channel. A data sample of proton-proton collisions at a center-of-mass energy of 13 TeV, collected by the CMS detector at the LHC and corresponding to an integrated luminosity of 137 fb^{-1} is used. See more details in EPJC 81 (2021) 488.

Primary author: 郭, 倩颖 (北京航空航天大学)

Presenter: 郭, 倩颖 (北京航空航天大学)

Session Classification: Parallel Session I: TeV and BSM Physics

Track Classification: 1. TeV 物理和超出标准模型新物理