

Searches for low mass resonances (resolved signatures)

Saturday, 20 July 2024 15:55 (17 minutes)

The discovery of the Higgs boson with the mass of about 125 GeV completed the particle content predicted by the Standard Model. Even though this model is well established and consistent with many measurements, it is not capable to solely explain some observations. Many extensions of the Standard Model addressing such shortcomings introduce additional neutral bosons. The current status of searches for resolved, resonant signatures in the full LHC Run 2 dataset of the ATLAS experiment at 13 TeV are presented.

Alternate track

1. Higgs Physics

I read the instructions above

Yes

Primary authors: DELIOT, Frederic (Université Paris-Saclay (FR)); TRUONG, Thi Ngoc Loan (University of Johannesburg (ZA))

Presenter: TRUONG, Thi Ngoc Loan (University of Johannesburg (ZA))

Session Classification: Higgs Physics

Track Classification: 01. Higgs Physics