



Contribution ID: 60

Type: not specified

The Z boson production in association with at least two b jets in pp collisions at 13 TeV: signal versus background

Wednesday, 18 August 2021 10:45 (15 minutes)

Analysis considers the Z boson production in association with two b quark jets when the Z boson decays into an electron or muon pair. The dominant background in these final states come from the ttbar production when W bosons decay to charged and neutral leptons, the latter resulting in the missing transverse energy (MET) in the event. Results will be reported on data-driven methods to optimize the MET selection and derive the corresponding factors that correct for imperfect simulations of the ttbar process.

Primary author: YOUNG, Peter

Presenter: YOUNG, Peter

Session Classification: Wednesday