

XXIV International Workshop on Deep-Inelastic Scattering and Related Subjects (DIS16)



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Top quark event modelling and generators in CMS

Wednesday, April 13, 2016 3:30 PM (15 minutes)

State-of-the-art theoretical predictions accurate to next-to-leading order QCD interfaced with Pythia8 and Herwig++ event generators are tested by comparing the unfolded $t\bar{t}$ differential data collected with the CMS detector at 8 TeV. These predictions are also compared with the underlying event activity distributions in $t\bar{t}$ events using CMS proton-proton data collected in 2015 at a center of mass energy of 13 TeV.

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Session Classification: WG4 Heavy Flavours

Track Classification: Heavy Flavours (Charm, Beauty and Top)