

Abstract Submitted
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Commissioning of SUSY searches with multi-jets and large missing transverse momentum with the first 13 TeV data AHMAD BORZOU, Baylor University, CMS COLLABORATION — The large hadron collider started to deliver proton-proton collisions at 13 TeV starting this year, and this enhances discovery sensitivities of signals expected from Supersymmetry (SUSY). For SUSY searches in the final states including multi-jets and large missing transverse momentum, the accurate standard model background determination is a key, and dominating backgrounds are typically estimated using data. In this talk, I will discuss comparisons of key observables between simulation and first data taken at a centre-of-mass energy of 13 TeV as well as the validation of several background estimation methods with this early data set.

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