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Study of hadronic W decays in the Jets+MET final state KITTIKUL KOVITANGGOON, SUNG-WON LEE, Texas Tech University, TERUKI KAMON, MICHAEL WEINBERGER, Texas A&M University — We present a systematic study of hadronic W decays in the Jets+MET final state to characterize the supersymmetry signal at the LHC. Because of the complicated end point, the experimental question leads to detection of the Standard Model W bosons (and eventually detecting top quark) in Jets+MET final state. We will discuss a data-driven method to extract W event inclusively in the hadronic decays from a minimal super gravity process, on the basis of Monte Carlo data.

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