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Searching for SUSY in the Jets+MET channel with the AlphaT kinematic variable

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A search for Supersymmetry in the all-hadronic channel using the CMS detector will be presented. The analysis looks for a jets + MET signature using the alphaT kinematic variable. Events are categorised in independent bins of jet multiplicity, b-tagged jet multiplicity, and HT, the scalar sum of jet pT. Interpretations are shown in a variety of Simplified Model Spectra, including both gluino-mediated and direct squark production. Some investigations into future analysis sensitivity for compressed spectra models will also be discussed.

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