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Interpretation of SUSY Searches in ATLAS with Simplified Models

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We present the status of interpretations of Supersymmetry searches in ATLAS using simplified models. Such models allow a systematic scan through the phase space in the sparticle mass plane, and in the corresponding final state kinematics. Models at various levels of simplification have been studied in ATLAS. The results can be extrapolated to more general new physics models which lead to the same event topology with similar mass hierarchies.

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