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Searches for new physics using jet grooming and substructure (ATLAS)

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Models predicting the production and decay of supersymmetric (SUSY) particles often have promising search channels involving decays through heavy intermediate states such as top quarks and heavy bosons. However, unlike in most exotics scenarios these heavy states are only moderately boosted which can make traditional substructure techniques less useful and motivates the development of alternative techniques. The results of several SUSY analyses using substructure techniques are presented.

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Session Classification: Searches