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Search for charginos and neutralinos in final states with two boosted hadronically decaying bosons and missing transverse momentum with the ATLAS experiment

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Searches for electroweakinos light enough to be produced at the LHC are well motivated by consideration on dark matter, naturalness and the recently observed muon $g-2$ anomaly. This talk presents a search for electroweakinos in fully-hadronic final states to exploit the advantage of the large branching ratio, and the efficient background rejection by identifying the high- p_T bosons using large-radius jets and jet substructure information. Compared to the more traditionally considered lepton final states, it allows to reach sensitivity to higher electroweakinos masses and to set strong limits on a variety of simplified models. For example, for the case of the wino-bino simplified model a wino mass up to 1060 GeV is excluded. Additionally, more concrete complete models and parameter scans are also considered.

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