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Searching for strongly produced SUSY with like-charge leptons at ATLAS

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The most recent ATLAS analysis searching for two like-charge or three leptons places improved bounds on several strongly-produced supersymmetric models, both simplified and phenomenological. Whilst the targeted event signatures have very low backgrounds from the standard model, there are contributions from fake and charge-flipped leptons. I shall present an overview covering the data-driven methods that are used to estimate the contribution from these in our signal regions, and summarise the main results of this analysis.

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