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Search for supersymmetry with a compressed mass spectrum in events involving soft-leptons, jets and missing transverse momentum at $\sqrt{s}=8\text{TeV}$ with the ATLAS detector.

Supersymmetric scenarios characterized by a compressed sparticle spectrum represent an experimental challenge as they could be missed in inclusive searches. This poster describes a dedicated search for models of this kind in final states with a soft-lepton, jets and missing transverse momentum using an integrated luminosity of 20.3 fb⁻¹ at $\sqrt{s}=8\text{TeV}$ with the ATLAS detector.

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