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## **Search for direct chargino production in anomaly-mediated supersymmetry breaking scenarios based on a disappearing-track signature in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector.**

A search for direct chargino production in anomaly-mediated supersymmetry breaking scenarios is performed in pp collisions at  $\sqrt{s}=8$  TeV with the ATLAS detector. The analysis explores the models by searching for decaying charginos based on a disappearing-track signature. The result using an improved track reconstruction with respect to earlier instances of this search and an integrated luminosity of 20.3 fb<sup>-1</sup> is presented.

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