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## **Search for Scalar Top Quarks in the final states with two charm jets and missing transverse momentum at $\sqrt{s} = 8$ TeV**

This poster presents the search for direct scalar top production in the decay channel  $\text{stop} \rightarrow \text{charm} + \text{neutralino}$  using 20.3 fb<sup>-1</sup> of proton-proton collisions at  $\sqrt{s} = 8$  TeV recorded by the ATLAS experiment at LHC. The analysis is performed in different signal regions with different thresholds in  $E_{\text{Tmiss}}$ ,  $P_{\text{T}}$  of the leading jet and jet multiplicities. Some of the signal regions use explicit reconstruction of charm jets in order to enhance the signal significance. Limits are set on the visible cross-section, and the results are interpreted in terms of limits in the  $m_{\text{stop}}\text{-}m_{\text{neutr}}$  mass plane.

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