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Measurements of single top quark production at ATLAS

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We present the result of a measurement of single top-quark production in the t-channel at 7 TeV proton-proton collisions with the ATLAS detector at the Large Hadron Collider. A lower limit on the CKM matrix element $|V_{tb}|$ is extracted from this measurement. The single-top quark production in the Wt- and s-channels is also explored.

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