

Single-top quark studies in ATLAS

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We present the result of searches for single top-quark production in the t- and Wt-channels in 7 TeV proton-proton collisions with the ATLAS detector. The t-channel search is based on the selection of events with a single lepton (muon or electron), jets and missing transverse energy. The Wt-channel analysis is based on the selection of events with one or two leptons, jets and missing transverse energy.

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