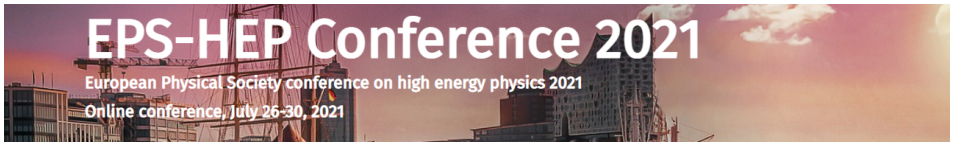

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Search for W'→tb decays in the hadronic final state with the ATLAS detector

A search for W'production with decay to a top quark and a bottom quark in proton-proton collisions at √s=13 TeV with the ATLAS detector is presented. The hadronic decay of the top quark is identified using DNN-based boosted-object techniques. The dominant background is obtained by a data-driven method with small systematic uncertainties. The results are presented as upper limits on the W'production cross-section times the top-bottom channel branching ratio for several W'masses ranging from 1.5 to 6 TeV.

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Collaboration / Activity

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