

Abstract Submitted
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Search for a new heavy boson W' decaying to top with the ATLAS detector RUI YUAN, Michigan State Univ, ATLAS COLLABORATION — Several theories beyond the Standard Model involve enhanced symmetry groups that introduce new heavy charged gauge bosons, typically denoted W' . This talk presents a search for W' decaying to a top quark and a bottom quark. The analysis searches for both semi-leptonic and all-hadronic decays in data recorded with the ATLAS detector at a center-of-mass energy of 13 TeV.

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