

Abstract Submitted  
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**Search for High-Mass Resonance in the Vector Boson + Jets Channel with 5.4 fb<sup>-1</sup> of Data** SETH CAUGHRON, Columbia University, D0 COLLABORATION — A search for heavy resonances is performed in the vector boson + jets channel using 5.4 fb<sup>-1</sup> of data collected by the D0 experiment in  $p\bar{p}$  collisionsepat a center-of-mass energy of 1.96 TeV. This dataset contains millions of W boson events and the invariant mass distributions of various combinations of objects are studied to search for new resonances.

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