

Abstract Submitted
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Search for resonance in inclusive and b-tagged dijet mass spectra in proton-proton collision at $\sqrt{s} = 13$ TeV ZHIXING WANG, FEDERICO DE GUIO, SUNGWON LEE, Texas Tech University — Btag requirement is developed to increase the sensitivity to final states with jets coming from the hadronization of b-quarks. This algorithm is based on the reconstruction of tracks with large impact parameter and the identification of displaced secondary vertices. In this analysis, we use the $\ell=1$ btag category with tight WP(Working Point) to search for bstar and 1btag category with medium WP to search for coloron.

Zhixing wang
Texas Tech University

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