

Phenomenology 2021 Symposium



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Type: QCD & EW

Vector boson plus heavy-flavor jets measurements at CMS

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The vector bosons decaying into two same leptonic flavor and heavy-flavor jets have been studied using proton-proton collisions at the Large Hadron Collider with the CMS experiment. This study is important to test pQCD theory by comparing experimental cross section with theoretical predictions and to distinguish signal from the background in many SM processes and BSM searches. The kinematic properties have been compared with the prediction from several Monte Carlo event generators using different parton shower simulations.

Summary

Author: MEENA, Meena (Panjab University (IN))

Presenter: MEENA, Meena (Panjab University (IN))

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