

Measurement of the Z boson production in association with at least two b jets in pp collisions at $\sqrt{s} = 13$ TeV

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The cross sections of the Z boson production in association with at least two b jets as a function of various kinematic variables are measured in pp collisions at $\sqrt{s} = 13$ TeV using 137 fb^{-1} of data collected by the CMS experiment at LHC. The Z boson decays to electrons or muons are considered with leading (sub-leading) lepton transverse momentum $p_T > 35$ (25) GeV and pseudorapidity $|\eta| < 2.4$, and the invariant mass within 71 and 111 GeV. Jets are selected with $p_T > 30$ GeV and $|\eta| < 2.4$. The results are compared to various QCD calculations.

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