

Performance of the hadronic recoil in precision W boson measurements with low pileup dataset

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A study of the performance of the hadronic recoil in inclusive W and Z boson production is presented. The dataset used corresponds to low pileup LHC runs taken between 2017 and 2018, at both centre-of-mass energies of 5 and 13 TeV. The results show that the resolution is optimal when using the maximal phase space available for the particle clusters in the detector. And an optimization of the impact parameter cuts for leptons is performed.

Type

Parallel talk

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