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Jet Structure Studies using Jet-Hadron Correlations in PbPb and pp collisions at 5.02 TeV with CMS

Tuesday 7 February 2017 09:10 (20 minutes)

Jet-hadron correlations are used to extend measurements of the properties of jets beyond classic fixed-R jet reconstruction. New measurements using PbPb and pp collision data at $\sqrt{s_{NN}}$ = 5.02 TeV recorded by CMS use a statistical approach that allows for a reliable subtraction of the underlying event beyond the typical distance parameters of jet reconstruction. Measurements of correlated particle densities are extended out to +/-1.5 units of relative azimuth and pseudorapidity. Double-differential measurements of jet fragmentation functions and jet shapes will be presented up to radial distance of R=1 from the jet axis. New results will be compared to the previous measurements at 2.76 TeV.

Preferred Track

Jets and High pT Hadrons

Collaboration

CMS

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