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Performance Studies of Inclusive jets in CMS

Tuesday 20 May 2014 16:30 (2 hours)

This poster presents the optimized techniques used to reconstruct inclusive jets in pp, pPb and PbPb collisions collected by the CMS detector. Jets are reconstructed using anti- k_T sequential reconstruction algorithm on particle flow objects. Underlying event energy is estimated by various background subtraction techniques and their systematic uncertainties are studied. The events collected by high- p_T jet triggers are combined to produce jet spectra in a large kinematic range and the corresponding trigger efficiencies are discussed. Various unfolding methods are employed to obtain the true jet distributions by utilizing Monte Carlo simulation samples.

On behalf of collaboration:

CMS

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