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The underlying event in Pythia in function of multiplicity at 13 TeV

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The correlation between the near side and transverse side has been studied with Pythia. Strong correlations between the two regions occur at high multiplicities of above $dN/d\eta$ of 50 charged particles. The changes occurring in the spectra obtained subtracting the transverse side spectra are reported. We conclude that the results indicate the possibility of parton energy loss in pp collisions.

Author: PAIC, Guy (Universidad Nacional Autonoma (MX))

Presenter: PAIC, Guy (Universidad Nacional Autonoma (MX))

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