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Colour reconnections in the DIPSY Monte Carlo

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We present results from the DIPSY Monte Carlo, a new BFKL based generator for pp minimum bias, pA and AA collisions. We emphasise the inclusion of colour reconnection effects. Instead of superimposing a medium, the color reconnection model in DIPSY builds up collective effects dynamically, based on local fluctuations in individual events. These models have previously provided explanations for medium-like effects observed in high multiplicity proton collisions.

We show to what extent the inclusion of color reconnections in AA collisions introduces effects similar to those normally attributed to a thermalized medium.

On behalf of collaboration:

NONE

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