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Colour Rearrangement for Dipole Showers

Tuesday 17 April 2018 14:00 (25 minutes)

In a recent article (1801.06113), we discussed the possibility of using simple matrix elements to produce probabilities of rearranging the colour chains in dipole shower algorithms. Due to the changed density of larger and smaller dipole chains, particle spectra and standard observables are modified. In the talk, I will discuss the idea and the consequences for tuning and the soft model of event generators. Comparisons to collider data from LEP, HERA and LHC are included.

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