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Why mean pt is interesting

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We review recent ALICE data on mean pt in pp and in pPb
collisions. First we show that multiplicity spectra exhibit geometrical
scaling (GS) and then we study its consequences as far as mean pt is concerned.
Next we discuss appropriate scaling variable for mean pt dependence on
N_ch which is related to the interaction radius R. We use
Color Glass Condensate results for R dependence on N_ch.
Finally we show what are the limitations on
the energy behavior of R at fixed multiplicity and propose a simple
model in which R at large N_ch tends to a fixed value that does not
depend on energy. Such behavior has testable phenomenological consequences
that seem to be supported by the data.

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