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Sources of multiparticle correlations –a microscopic perspective

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The emergence of collective phenomena in small systems, proton-proton and proton-ion collisions, have over the past decade been a puzzle with many attempts at a solution. On one hand, it is unclear that a Quark-Gluon Plasma would be able to form in such small volumes, and if it can, it would question a lot of what we know about pp phenomenology. On the other hand, a microscopic description valid in pp, without assuming a QGP, could also be valid in AA, and question the paradigm of QGP formation.

In this talk I will present attempts going the latter route. The PYTHIA models of interacting strings have proven fairly successful to describe collectivity in small systems, and I will discuss ongoing attempts to use the models for large collision systems as well.

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