



Rope Hadronization in the DIPSY event generator

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We present results from the Rope Hadronization model, implemented in the DIPSY Monte Carlo event generator, specifically regarding production of strangeness in small systems. The Rope Hadronization model is built on the Lund String Hadronization model. It allows for interactions between strings in dense environments. The interacting strings form “colour ropes”, characterized by their SU(3) multiplet structure. From lattice calculations we know that ropes have an increased string tension compared to normal strings. This gives rise to increased strange/non-strange hadron yield ratios, as well as flow-like effects. The inclusion of Rope Hadronization greatly improves the description of data from RHIC and LHC.

List of tracks

Freeze-out, hadronisation and statistical models

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