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Heavy Ion physics with the PytHIa8 event generator

Monday 21 August 2017 16:00 (30 minutes)

We present ongoing efforts to extend the Pythia8 MC event generator to the heavy ion domain. Using the Glauber-Gribov colour fluctuation model, pp collisions are "stacked"to produce heavy ion events. The formalism shows promising results for pA collisions, as well as AA at mid-rapidity. We include medium effects through the microscopic model "Rope Hadronization", which allows Lund strings to interact when they overlap in impact parameter space.

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