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Equilibration of hot and dense nuclear matter

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Abstract content
 (Max 300 words)

We perform a Monte Carlo calculation for a system which resembles an equilibrated hadronic gas in a box using a Ultra-relativistic Quantum Molecular Dynamics. We calculate spectra, multiplicity, and rapidity for various hadrons at different energy densities. The particle multiplicity equilibrate after some time, rapidity distribution is isotropic and the energy spectra of the different hadronic species are fitted by a Boltzmann distribution. Thus, indicates that system is in equilibrium.

Apply to be
 consider for a student
 award (Yes / No)?

yes

Level for award
 (Hons, MSc,
 PhD)?

PhD

Main supervisor (name and email)
and his / her institution

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Would you like to
 submit a short paper
 for the Conference
 Proceedings (Yes / No)?

yes

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