

Thermalization and hadronization of SU(N) gauge theories

Monday 4 March 2024 11:30 (1 hour)

We argue that high energy heavy ion collisions at LHC offer the perfect setting to study the information theoretical aspects of thermalization and hadronization of gauge theories. After discussing results from numerical AdS calculations we focus on numerical Hamiltonian simulation of SU(2) on classical computers, as well as first steps to extend the application of AdS/CFT duality to the hadronization phase which is interpreted as a multi-split process.

Presenter: Prof. SCHÄFER, Andreas (Regensburg University)