

Seminário, Quarta 16/07/2025 16:00h

Local: Auditório Pi

Dmitri Kharzeev (SUNY Stonybrook)

https://en.wikipedia.org/wiki/Dmitri_Kharzeev

Title: Thermalization from quantum entanglement in high-energy collisions

Abstract: We investigate the emergence of thermalization in a quantum field-theoretic model mimicking the production of jets in QCD -- massive Schwinger model coupled to external sources. Through these studies, we elucidate the mechanisms by which quantum entanglement drives thermalization in closed field-theoretic systems. Our results show how thermodynamic behavior emerges, in real time, from unitary quantum dynamics.