

# Diffusion dynamics of QCD matter in nuclear collisions

*Friday, April 4, 2025 2:30 PM (25 minutes)*

Relativistic nuclear collisions serve as a powerful tool for exploring the QCD matter in the vicinity of the quark-hadron crossover. We investigate diffusion dynamics in the hot and dense QCD matter based on the numerical hydrodynamic model with a state-of-the-art equation of state at finite densities.

**Presenter:** MONNAI, Akihiko (Osaka Institute of Technology)

**Session Classification:** Parallel Session (B)