

# 中国科学院

## 随机复杂结构与数据科学重点实验室

# 学术报告

**题目:** Convergence of Hamiltonians in the hydrodynamic limit for infinite particles

**报告人:** 冯进教授 美国 Kansas 大学

**时间:** 2023 年 7 月 21 日 (周五) 15:40-16:40

**地点:** 数学院 N620

**摘要:** We assemble all previous developed results to make statements of the hydrodynamic limit problem. In particular, we use known results on finite dimensional weak KAM (Kolmogorov-Arnold-Moser) theory, showing sufficiency of using a weak version ergodic results on micro-canonical ensembles, instead of the canonical ones, in the weakly interacting action minimizing particle setting.