

Seminar

Professor Ricardo Alonso

Texas A&M University, Qatar

Topic

Thermalization of solutions to the Landau-Fermi-Dirac equation

Date | Time

7 October 2024 (Monday) | 04:00pm – 05:00pm (HK Time)

Venue:

FJ302, Main Campus

Abstract:

In this talk we discuss the essential properties of the LFD equation with focus on the thermal convergence of solutions in the weakly saturated regime. In particular, we present moment propagation, Lebesgue's integrability and boundedness of solutions independent of the quantum parameter. These properties in combination with entropy techniques allow to prove algebraic convergence towards thermal equilibrium under such weak saturation regime for moderate soft and hard potentials.

ALL ARE WELCOME