

— Monday : T. Yoshimura

Title: Operator dynamics in Floquet many-body systems

Abstract: Locality and unitarity alone already give rise to a variety of universal behaviours in quantum many-body systems, which have been appreciated most prominently in random unitary circuits (RUCs). In this talk, I will discuss new dynamical features that arise from the interplay between locality and time-translation symmetry. In particular, we study autocorrelation functions in Floquet many-body systems without conservation laws, and provide both analytic and numerical evidence to support our claims.