

Condensed Matter Theory Center Seminar



Wednesday, October 12
11:00 am – 12:00 pm
2205 John S. Toll Physics Building

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Princeton

“The Statistical Mechanics of Driven Quantum Systems”

Abstract: The statistical mechanics of equilibrium systems is characterized by two fundamental ideas: that closed systems approach a late time thermal state and that of phase structure wherein such late time states exhibit singular changes as various parameters characterizing the system are changed. Recent progress has established generalizations of these ideas which apply to periodically driven, or Floquet, closed quantum systems. I will summarize this progress and show that it has resulted in the discovery of entirely new phases such as the Pi-spin glass/Floquet time crystal which exist only out of equilibrium.

Host: Xiao Li

Web: <http://www.physics.umd.edu/cmhc/seminars.html>

