

Schedule for Quantum Snapshots 2019

All talks/events in Room 4102 of the Graduate Center, CUNY

Monday, March 11

- 9:00 am Aditi Mitra, NYU
"Almost strong $0,\pi$ modes in clean interacting 1D Floquet systems"
- 9:30 am David Huse, Princeton
"The many-body localization phase transition"
- 10:00 am Sid Morampudi, BU
"Spectroscopy of spinons in gapped $U(1)$ spin liquids"
- 10.30-11am coffee break**
- 11:00 am Michael Knap, TUM
"Constrained quantum dynamics in dimer and fracton models"
- 11:30 am Shivaji Sondhi, Princeton
"Superluminal quenches to critical points"
- 12-2pm Lunch**
- 2:00 pm Rahul Nandkishore, CU Boulder
"Ergodicity breaking in fractonic circuit dynamics"
- 2:30 pm Antonello Scardicchio, ICTP
- 3:00 pm Michael Kolodrubetz, University of Texas at Dallas
"Backaction of Floquet systems on quantized drive"
- 3:30-4pm coffee break**
- 4:00 pm Alicia Kollar, Princeton
"Hyperbolic and Flat-Band Lattices in Circuit QED"
- 4:30 pm Vincenzo Alba, UvA
"Entanglement and thermodynamics in out-of-equilibrium systems"
- 5:00 pm Tankut Can, CUNY
"Spectral gaps in random master equations"

Tuesday, March 12

- 9:00 am Joe Bhaseen, King's College
"Topological Markers in and out of Equilibrium"
- 9:30 am Leo Radzihovsky, Boulder
"Fractionalized mobility in a vector gauge theory"
- 10:00 am Annabelle Bohrdt, TUM
"String patterns in the doped Fermi Hubbard model"
- 10.30-11am coffee break**
- 11:00 am Jed Pixley, Rutgers
"Dynamics of the Entanglement Spectra in Random Quantum Circuits"
- 11:30 am Nicolas Mace, CNRS
"Dynamics in constrained and quasiperiodic one dimensional systems"
- 12-2pm Lunch**
- 2:00 pm Fiona Burnell, University of Minnesota
- 2:30 pm Anatoly Dymarsky, University of Kentucky
"Generalized Eigenstate Thermalization in 2d CFTs"
- 3:00 pm Dominik Schneble, Stonybrook
"Quantum dynamics of matter-wave decay near a continuum edge"
- 3:30-4pm coffee break**
- 4:00 pm Sebastian Diehl, Cologne
"Criticality in driven systems, fast and slow"
- 4:30 pm Tibor Rakovszky, TUM
"Sub-ballistic growth of Rényi entropies in diffusive systems"
- 5:00 pm Philip Crowley, BU

Wednesday, March 13

- 9:00 am Romain Vasseur, U Mass Amherst
"KT scaling at the many-body localization transition"
- 9:30 am Marcos Rigol, Penn State
"Prethermalization and thermalization in isolated quantum systems"
- 10:00 am Justin Wilson, Rutgers
"Dynamic spacetimes in flowing spinor condensates"
- 10.30-11am coffee break**
- 11:00 am Zala Lenarcic, Berkeley
"Traces of many-body localization in weakly open setups"
- 11:30 am Claudio Castelnovo, Cambridge
"Seeing beyond the light: Vison and photon electrodynamics in quantum spin ice"
- 12-2pm Lunch**
- 2:00 pm Andrew Green, UCL
- 2:30 pm Itamar Kimchi, JILA & CU Boulder
"Randomness RG flows for entangled spins on 2D lattices"
- 3:00 pm Emil Yuzbashyan, Rutgers
"Integrable many-body Landau-Zener dynamics"
- 3:30-4pm coffee break**
- 4:00 pm Brian Skinner, MIT
"Measurement-induced phase transition in the dynamics of entanglement"
- 4:30 pm Neil Robinson, UvA
"Nonthermal states in nonintegrable models with confinement"
- 5:00 pm Vipin Varma, CUNY