

Princeton Summer School on Condensed Matter Physics

August 6 – 9 – Princeton Center for Theoretical Science

Day 1	Monday, August 6	Day 3	Wednesday, August 8
8:30 – 9:15	Breakfast	8:30 – 9:30	Breakfast
9:15 – 9:30	Opening remarks	9:30 – 10:45	Probing Quantum Dynamics Quantum Many-Body Systems <i>Mikhail Lukin, Harvard University</i>
9:30 – 10:45	Topological Effects in Driven Quantum Systems <i>Gil Refael, California Institute of Technology</i>	10:45 – 11:00	Coffee Break
10:45 – 11:00	Coffee Break	11:00 – 12:15	Quantum Dynamics in Many-Body Integrable and Nonintegrable Systems <i>Marcos Rigol, Penn State University</i>
11:00 – 12:15	Electrodynamics of Quantum Correlated Matter <i>Peter Armitage, John Hopkins University</i>	12:15 – 1:30	Lunch
12:15 – 1:30	Lunch	1:30 – 2:45	Quantum Dynamics in Many-Body Integrable and Nonintegrable Systems <i>Marcos Rigol, Penn State University</i>
1:30 – 2:45	Topological Effects in Driven Quantum Systems <i>Gil Refael, California Institute of Technology</i>	2:45 – 3:00	Coffee Break
2:45 – 3:00	Coffee Break	3:00 – 4:15	Many Body Localization <i>Rahul Nandkishore, University of Colorado Boulder</i>
3:00 – 4:15	Electrodynamics of Quantum Correlated Matter <i>Peter Armitage, John Hopkins University</i>		
Day 2	Tuesday, August 7	Day 4	Thursday, August 9
8:30 – 9:30	Breakfast	8:30 – 9:30	Breakfast
9:30 – 10:45	The Quantized Magnetoelectric Effect in Topological Insulators <i>Peter Armitage, John Hopkins University</i>	9:30 – 10:45	Many Body Localization <i>Rahul Nandkishore, University of Colorado Boulder</i>
10:45 – 11:00	Coffee Break	10:45 – 11:00	Coffee Break
11:00 – 12:15	Probing Quantum Dynamics Quantum Many-Body Systems <i>Mikhail Lukin, Harvard University</i>	11:00 – 12:15	Time-evolution with Tensor Networks <i>Michael Zaletel, Princeton University</i>
12:15 – 1:30	Lunch	12:15 – 1:30	Lunch
1:30 – 2:45	Probing Quantum Dynamics Quantum Many-Body Systems <i>Mikhail Lukin, Harvard University</i>	1:30 – 2:45	Many Body Localization <i>Rahul Nandkishore, University of Colorado Boulder</i>
2:45 – 3:00	Coffee Break	2:45 – 3:00	Coffee Break
3:00 – 4:15	Quantum Dynamics in Many-Body Integrable and Nonintegrable Systems <i>Marcos Rigol, Penn State University</i>	3:00 – 4:15	Time-evolution with Tensor Networks <i>Michael Zaletel, Princeton University</i>