

Quantum Quenches and Strongly Correlated Physics

Monday 9/5

7pm-10pm Reception Dinner

Tuesday 9/6

8:00am-9:00am Breakfast

9:00am-9:50am Leonid Glazman Phase slips interference in a chain of Josephson junctions
9:50am-10:20am Efrat Shimshoni Superconductor-insulator magneto-oscillations in superconducting strips
10:20am-10:50am Maxim Khodas Fluctuation effects in thin superconducting films

10:50am-11:30am Coffee Break

11:30am-12:00pm Rodrigo Pereira Charge dynamics in Mott insulating Hubbard chains

12:00pm-13:50pm Lunch

13:50pm-14:40pm Joel Moore Topological insulators: magnetoelectric and interaction effects
14:40pm-15:10pm Eran Sela Quantum phase transitions in quantum wires and topological insulators
15:10pm-15:40pm Sergei Lukyanov Faces of integrability: quantum sine-Gordon versus classical sinh-Gordon

15:40pm-16:10pm Coffee Break

16:10pm-17:00pm Bella Lake Magnetic excitations of spin-1/2 dimer chain and ladder antiferromagnets
17:00pm-17:30pm Moshe Goldstein Quantum impurity model for microwave photons

Wednesday 9/7

8:00am-9:00am Breakfast

9:00am-9:50am Giuseppe Mussardo Local correlations in the Lieb-Liniger model
9:50am-10:20am J.-S. Caux Quantum quenches in integrable systems
10:20am-10:50am Robert Konik A numerical renormalization group approach to quantum quenches

10:50am-11:30am Coffee Break

11:30am-12:00pm Edouard Boulat Competing phases in large-spin one-dimensional ultracold fermions

12:00pm-13:50pm Lunch

13:50pm-14:40pm H.-C. Naegerl Strong correlations in ultracold gases
14:40pm-15:10pm Miraculous Bhaseen Non-equilibrium dynamics of ultracold atoms in optical cavities

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15: 10pm-15: 40pm	Aditi Mitra	Quenches in the sine-Gordon model
15: 40pm-16: 10pm	Coffee Break	
16: 10pm-17: 00pm	Gora Shlyapnikov	Topological px+ipy phase of polar molecules in two dimensions
17: 00pm-17: 30pm	Andrew James	The phase diagram of two dimensional polar condensates in a magnetic field
Thursday 9/8		
8: 00am-9: 00am	Breakfast	
9: 00am-9: 50am	David Cobden	First-order phase transitions in nanowires and nanotubes
9: 50am-10: 20am	Pasquale Calabrese	Quantum quenches and thermalization
10: 20am-10: 50am	Vadim Oganesyan	Metastability and generalized Gibbs ensemble in anharmonic oscillator chains
10: 50am-11: 30am	Coffee Break	
11: 30am-12: 00pm	Dirk Schuricht	Non-equilibrium transport and relaxation dynamics of Kc
12: 00pm-13: 50pm	Lunch	
13: 50pm-14: 40pm	Frank Verstraete	TBA
14: 40pm-15: 10pm	Vladimir Korepin	Measures of entanglement in spin chains
15: 10pm-15: 40pm	Adrian Feiguin	Real time dynamics of strongly correlated systems with the density n
15: 40pm-16: 10pm	Coffee Break	
16: 10pm-17: 00pm	Andrey Zheludev	Disorder in quantum magnets: experiment
Friday 9/9		
8: 00am-9: 00am	Breakfast	
9: 00am-9: 50am	Alan Tennant	TBA
9: 50am-10: 30am	Coffee Break	
10: 30am-11: 00am	Adilet Imambekov	Universal dynamical decoupling of multi-qubit states from the environment
11: 00am-11: 30am	Vladimir Gritsev	Quenches in open quantum systems
11: 30am	Boxed Lunches	