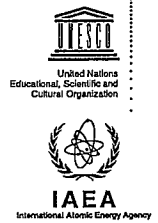




The Abdus Salam
International Centre for Theoretical Physics



Autumn College on Non-Equilibrium Quantum Systems
2 - 13 May 2011
Buenos Aires, Argentina

*held at University of Buenos Aires, Dept. of Physics, Mathematics and Computer Science
Aula Magna of Pabellon I*

co-sponsored by:
Alexander-von-Humboldt Foundation, Bonn
Universidad de Buenos Aires (UBA)
Institute for Complex Adaptive Matter (ICAM), Davis

PRELIMINARY PROGRAMME (as of 20th April)

Monday, 2 May

9:00 - 10:30	REGISTRATION
10:30 - 11:00	OPENING - Virasoro, Mussardo, Kiselev, Paz, Arrachea, Lozano
11:00 - 12:00	I. Cirac Time-dependent methods for many body quantum systems.
12:00 - 13:30	LUNCH BREAK
13:30 - 14:30	R. Shekhter Electronic cooling of nanomechanical shuttle devices.
14:30 - 15:30	F. von Oppen Topological phases and Majorana endstates in disordered wires.
15:30 - 15:45	Coffee Break
15:45 - 16:45	A. Stern Majorana fermions in two-dimensional quantum Hall systems and one dimensional quantum wires.
16:45 - 18:00	Get together

Tuesday, 3 May

9:15 - 10:15	Y. Gefen Luttinger liquid out of equilibrium.
10:15 - 11:15	M. Kiselev Thermo-electric transport through Kondo quantum dots.
11:15 - 11:30	Coffee Break
11:30 - 12:00	Contributed talk - T. Karzig
12:00 - 12:30	Contributed talk - O. Levchenko
12:30 - 14:00	LUNCH BREAK
14:00 - 15:00	G. Mussardo Quenches in conformal and integrable theories.
15:00 - 16:00	H. Pastawski Harnessing the quantum dynamical phase transition in experimental systems.
16:00 - 18:00	Coffee Break and POSTER SESSION no.1

Wednesday, 4 May

9:15 - 10:15	B.L. Altshuler <i>title to be announced</i>
10:15 - 10:30	Coffee Break
10:30 - 11:00	Contributed talk
11:00 - 11:30	Contributed talk
11:30 - 12:00	Contributed talk
12:00 - 13:30	LUNCH BREAK
13:30 - 15:00	L. Glazman Dynamics of quantum liquids in one dimension - Lect. 1
15:00 - 15:15	Coffee Break
15:15 - 16:15	F. Marquardt <i>title to be announced</i>
16:15 - 16:45	Contributed talk

Thursday, 5 May

9:15 - 10:45	L. Glazman Dynamics of quantum liquids in one dimension - Lect. 2
10:45 - 11:00	Coffee Break
11:00 - 12:00	J. von Delft Quantum quench of Kondo correlations in optical absorption.
12:00 - 14:00	LUNCH BREAK
14:00 - 15:00	Colloquium by B.L. Altshuler <i>title to be announced</i>
15:00 - 15:30	Coffee Break
15:30 - 17:00	A. Kamenev Kinetics of Bose condensation - Lect. 1

Friday, 6 May

9:15 - 10:45	L. Glazman Dynamics of quantum liquids in one dimension - Lect. 3
10:45 - 11:00	Coffee Break
11:00 - 12:00	G. Refael <i>title to be announced</i>
12:00 - 13:30	LUNCH BREAK
13:30 - 15:00	A. Kamenev Kinetics of Bose condensation - Lect. 2
15:00 - 15:15	Coffee break
15:15 - 16:45	I. Aleiner Many-body localization - Lect. 1

Monday, 9 May

9:15 - 10:45	M. Büttiker Noise of quantum coherent conductors: Introduction.
10:45 - 11:00	Coffee Break
11:00 - 12:00	L.W. Molenkamp Dirac fermions in HgTe quantum wells.
12:00 - 13:30	LUNCH BREAK
13:30 - 15:00	A. Kamenev Kinetics of Bose condensation - Lect. 3
15:00 - 15:15	Coffee Break
15:15 - 16:45	I. Aleiner Many-body localization - Lect. 2
16:45 - 18:00	Get together

Tuesday, 10 May

9:15 - 10:45	M. Büttiker Noise of quantum coherent conductors: Correlations.
10:45 - 11:00	Coffee Break
11:00 - 12:30	N. Birge - Lect. 1 <i>title to be announced</i>
12:30 - 14:00	LUNCH BREAK
14:00 - 15:30	C. Salomon - Lect. 1 <i>title to be announced</i>
15:30 - 15:45	Coffee Break
15:45 - 17:15	I. Aleiner Many-body localization - Lect. 3

Wednesday, 11 May

9:15 - 10:45	M. Büttiker Noise of quantum coherent conductors: Current topics.
10:45 - 11:00	Coffee Break
11:00 - 12:30	N. Birge - Lect. 2 <i>title to be announced</i>
12:30 - 14:00	LUNCH BREAK
14:00 - 15:30	C. Salomon - Lect. 2 <i>title to be announced</i>
15:30 - 15:45	Coffee break
15:45 - 16:45	C. Chamon Zero modes, Majorana fermions, and topological qubits - Lect. 1

Thursday, 12 May

9:15 - 10:45	N. Birge - Lect. 3 <i>title to be announced</i>
10:45 - 11:00	Coffee Break
11:00 - 12:30	C. Chamon Zero modes, Majorana fermions, and topological qubits - Lect. 2
12:30 - 14:00	LUNCH BREAK
14:00 - 15:30	C. Salomon - Lect. 3 <i>title to be announced</i>
15:30-16:00	Contributed talk -
16:00 - 16:30	Contributed talk -
16:30 - 18:00	Coffee Break + POSTER SESSION no 2.

Friday, 13 May

9:15 - 10:45	C. Chamon Zero modes, Majorana fermions, and topological qubits - Lect. 3
10:45 - 11:00	Coffee Break
11:00 - 11:30	Contributed talk -
11:30 - 12:00	Contributed talk -
12:00 - 13:30	LUNCH BREAK
13:30 - 14:30	G. Shlyapnikov Strongly interacting Fermi gases. From ultracold to polar molecules.
14:30 - 15:30	L. Cugliandolo <i>title to be announced</i>
15:30 - 15:45	CLOSING - Lozano, Arrachea
15:45 - 16:00	Coffee break