

*Summer School on Quantum Many-Body Physics of
Ultra-Cold Atoms and Molecules*



2-13 July 2012, ICTP, Trieste, Italy

Directors



Christophe Salomon



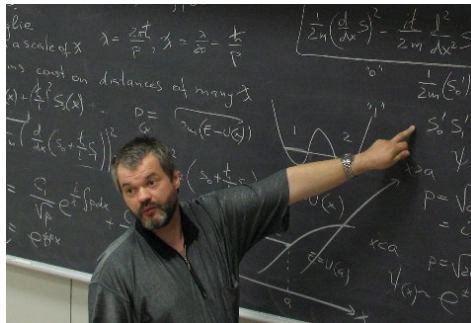
Carlos Sa de Melo



Sungkit Yip



Andrea Perali



Local Organizer
Mikhail Kiselev



Secretary
Rosa del Río

Lecturers



Courses



Rudolph Grimm

*Feshbach resonance,
ultra-cold molecules, Efimov physics*



Henk Stoff

*Ultra-cold fermions:
balanced and spin or mass imbalanced*



Michael Kohl

2D Fermi gas

Courses



Nikolay Prokof'ev

*Path Integral and diagrammatic
Monte Carlo methods*



Gora Shlyapnikov

Dipolar Quantum Gases



Christophe Salomon

Thermodynamics of Quantum Gases

Courses



Yu-Ju Lin

Artificial Gauge, Experiments



Andrea Perali

*Pseudogaps in strongly interacting
Fermi systems*



Thierry Giamarchi

1D Physics

Courses



Maxim Olshanii

Quantum Nonequilibrium Physics



Ulrich Schollwöck

Density Matrix Renormalization Group



Laurent Sanchez-Palencia

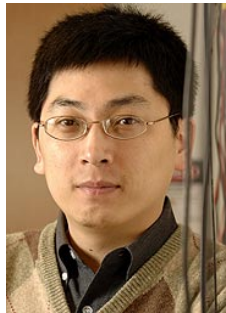
Cold Atoms with Disorder

Courses



Carlos Sa de Melo

Artificial Gauge, Theory



Cheng Chin

*Scale invariance in 2D gases
and optical lattices*

Conference webpage

http://cdsagenda5.ictp.it/full_display.php?email=0&ida=a11170

Video recording

<http://sdu.ictp.it/digital-lectures.html#scientificconferences>

Numerical Laboratory



Andrea Perali

Adriático
July 10, 11:00 – 13:00



Nikolay Prokof'ev



Gunes Soyler

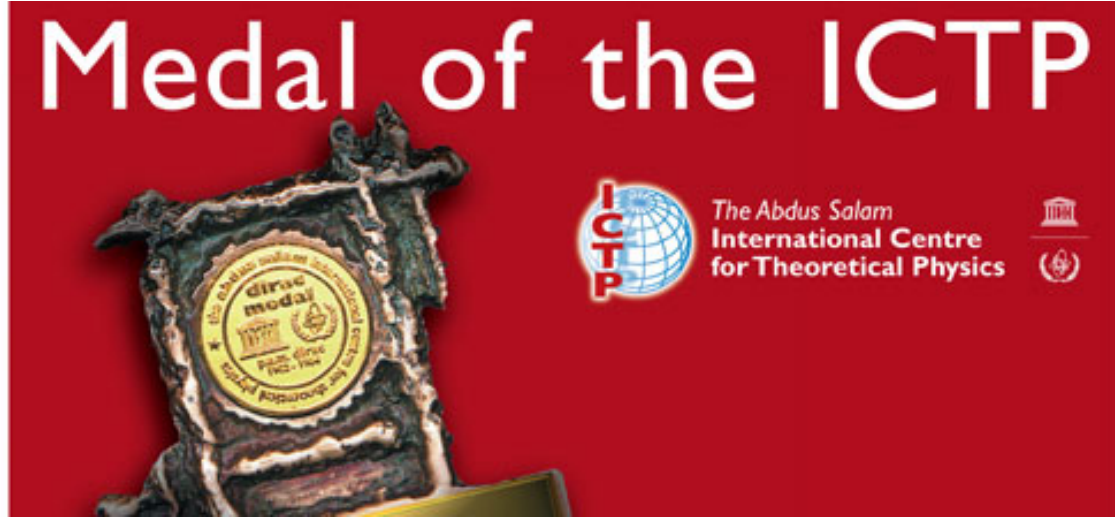


Sebastiano Pilati

Dirac Medal of the ICTP



P.A.M. Dirac
1902 - 1984



July 10, 14:30 - 17:30

*Eduardo Brezín (ENS, France) "Scale and Conformal Invariance:
the Early Days"*

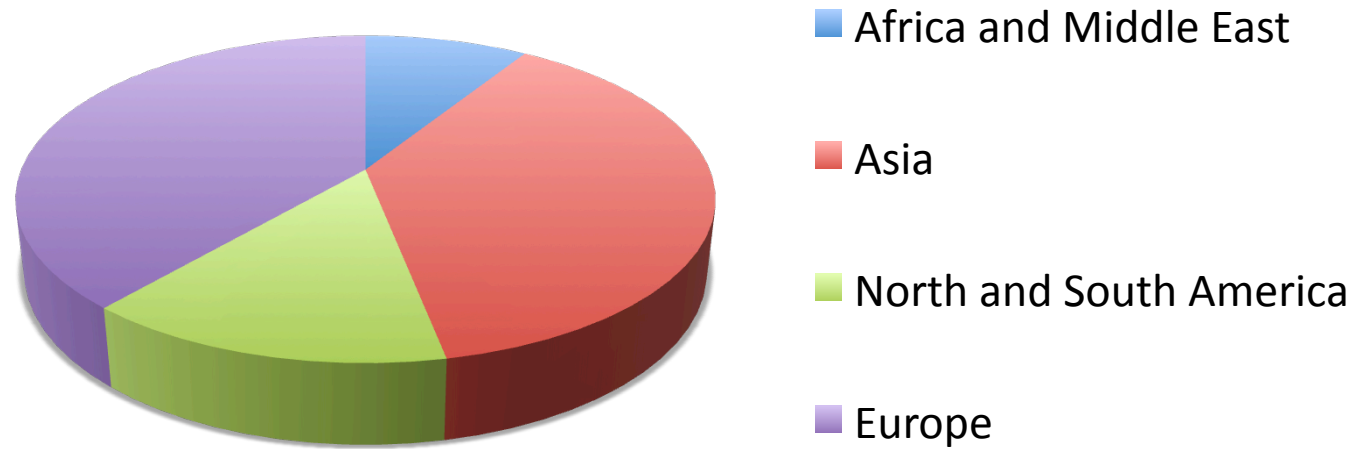
*John Cardy (Oxford, UK) "Boundary CFT from Strings to Percolation
to Quantum Quenches"*

*Alexander Zamolodchikov (Rutgers, USA) "Flowing with Integrable
Quantum Field Theories: View from Above and
View from Below"*

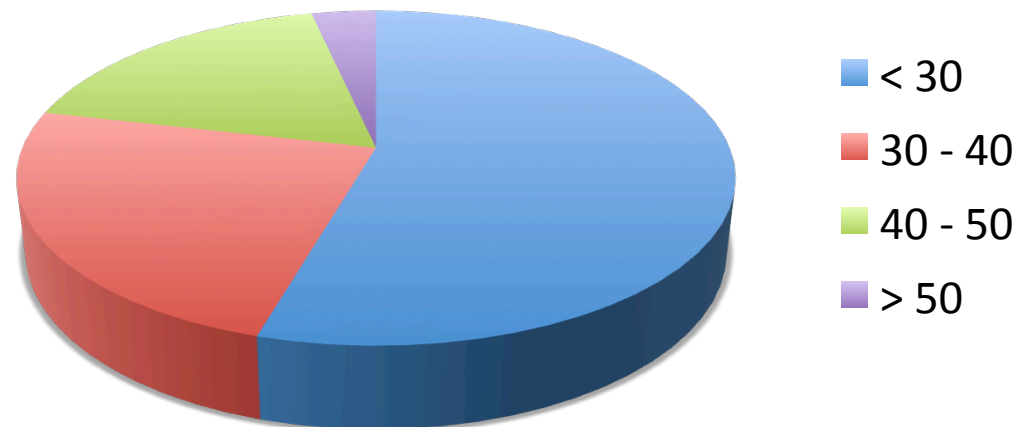
Participants

145 participants from 44 countries

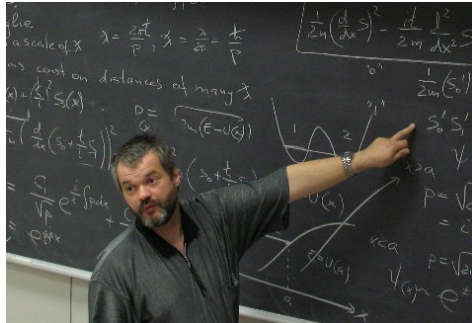
Regions



Age



Practical Information



Local Organizer
Mikhail Kiselev

Room LB 235
Tel: 040 2240 343



Secretary
Rosa del Río

Room LB 231
Tel: 040 2240 396

Practical Information: Announcements

*Poster sessions: July, 3 14:30-16:30
July, 11 14:30-16:30*

Please, check/add your name in the poster list!

Oral presentation of posters: 3 min per poster

*Welcome reception: tomorrow , July 3 at 19:15
in Adriático Guesthouse*

Welcome to ICTP!

