

# Theory of Quantum Gases and Quantum Coherence

5-8 June 2012, Lyon, France

This workshop is dedicated to theoretical challenges in the field of cold quantum gases, with a strong connection to condensed matter, and it is especially targeted to a junior audience.

The workshop topics will include: *ultracold fermions, low-dimensional gases, disordered cold gases, atom interferometry and quantum metrology, quantum simulations, Bose-Einstein condensation in condensed matter, etc.*

The workshop will take place at the Amphithéâtre C. Mérieux of the Ecole Normale Supérieure de Lyon, Lyon, France.

The participation to the workshop is free of charges, and it is limited to about 80 participants, who will be offered lodging and meals.

**Call for abstract opens on: February 1st, 2012**  
**Deadline for applications: March 30th, 2012**

Please visit our webpage:

<http://lyonbec2012.ens-lyon.fr>

## Lecturers

A. Aspect (Palaiseau, F)  
S. Stringari (Trento, I)  
A. Georges (Palaiseau, F)  
M. Oberthaler (Heidelberg, D)  
T. Jolicoeur (Orsay, F)  
L. Pitaevskii (Trento, I)

## Special invited session: *BEC in condensed matter*

C. Rüegg (Villigen, CH)  
A. Bramati (Paris, F)  
C. Batista (Los Alamos, USA)  
V. Savona (Lausanne, CH)

## Confirmed invited speakers

M. Zaccanti (Innsbruck, A)  
K. van Houcke (Ghent, B)  
J. Levinsen (Cambridge, UK)  
G. Bertaina (Lausanne, CH)  
N. Fabbri (Sesto Fiorentino, I)  
P. Barmettler (Geneva, CH)  
M. Dalmonte (Innsbruck, A)  
F. Crépin (Orsay, F)  
F. Piazza (Munich, D)  
T. Langen (Vienna, A)  
C. Muschik (Castelldefels, E)  
O. Romero-Isart (Munich, D)  
L. Tarruell (Zürich, CH)  
M. Cheneau (Munich, D)  
N. Goldman (Brussels, B)  
D. Porras (Madrid, E)  
E. Lucioni (Sesto Fiorentino, I)  
L. Mathey (Hamburg, D)  
K. Bouadim (Stuttgart, D)  
C. Gaul (Madrid, E)

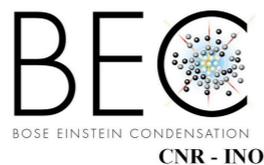
## Organizers

T. Roscilde (Lyon, F)  
E. Orignac (Lyon, F)  
A. Minguzzi (Grenoble, F)  
F. Chevy (Paris, F)  
R. Citro (Salerno, I)  
A. Recati (Trento, I)

## Advisory Committee

G. Baym (Urbana, USA)  
F. Hekking (Grenoble, F)  
G. Shlyapnikov (Orsay, F)  
M. Lewenstein (Castelldefels, E)  
P. Zoller (Innsbruck, A)  
R. Fazio (Pisa, I)  
F. Illuminati (Salerno, I)  
A. Fetter (Stanford, USA)  
A. Leggett (Urbana, USA)  
S. Stringari (Trento, I)  
Y. Castin (Paris, F)  
S. Giorgini (Trento, I)  
H. T. C. Stoof (Utrecht, NL)  
T.-L. Ho (Columbus, USA)

This workshop is  
sponsored by:



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