Du
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2023
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02
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2023

13h00
-
15h00

2024-T1 QUANTUM MANY-BODY SYSTEMS OUT-OF-EQUILIBRIUM

Introductory School

Cargèse

INSCRIPTION

Introductory school at Institut d'Etudes Scientifiques de Cargèse

Quantum many-body systems out-of-equilibrium, Cargèse

November 26th to December 2nd, 2023

This school is part of the thematic trimester program "Quantum many-body systems out-of-equilibrium" held at Institut Henri Poincaré, Paris

URL de la page : https://www.ihp.fr/fr/agenda/introductory-school&is_pdf=true

We will target this school around 5 themes: (1) spin systems, (2) integrable systems; (3) open quantum systems; (4) Luttinger's theory of liquids; (5) quantum transport theory.

Each theme will be discussed and developed during 3 lesson sessions of one and a half hours each.

The participants will be requested to present a short talk or a poster. We will select the participants and the speakers with the help of the scientific committee.

Confirmed courses:

- **Quantum thermodynamics** (Liliana Arrachea (Uni. San Martín, Buenos Aires)
- **Integrable systems (**Jean-Sébastien Caux, Uni. Amsterdam)
- **Open quantum systems** (Tony Jin, InPhyNi, Nice)
- **Luttinger liquids** (Thierry Giamarchi, Uni. Genève)
- **Theoretical approaches to quantum many-body non-equilibrium** (Johannes Schachenmayer, Uni. Strasbourg)

Program:

		Monday 27/11		**Tuesday 28/11**		**Wednesday 29/11**		**Thursday 30/11**		**Friday 01/12**
08:30 - 08:45		**Opening**								
						Quan				**Theoretical approache**

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08:45 - 10.15		**Integrable systems (I)**		**Luttinger liquids (I)**		**tum thermodynamics (II)**		**Luttinger liquids (II)**		**s to quantum many-body non-equilibrium (III)**
10:15 - 10:45		**coffee break**		**coffee break**		**coffee break**		**coffee break**		**coffee break**
10:45 - 12.15		**Theoretical approaches to quantum many-body non-equilibrium (I)**		**Integrable systems (II)**		**Open quantum systems (I)**		**Open quantum systems (II)**		**Quantum thermodynamics (III)**
14:00 - 16:00		**poster presentation**		**poster session (I)**		**free afternoon**		**poster session (II)**		**Luttinger liquids (III)** (14:30-16:00)
16:00 - 16:30		**coffee break**		**coffee break**		**for**		**coffee break**		**coffee break**
16:30 - 18:00		**Quantum thermodynami**		**Theoretical approaches to quantum many**		**scientific discussion**		**Integrable systems**		**Open quantum systems**

		namics (I)		**- body non-equilibrium (II)**		**s**		**(III)**		**ms (III)**
19:00		**welcome dinner aperitif**						**BBQ**		

Scientific Committee:

Giovanna Morigi (Saarbrücken, Germany)

Maxim Olshanii (Boston, USA)

Marcos Rigol (Philadelphia, USA)

Nicolaj Zinner (Aarhus University)

Organization Committe:

Rosario Fazio (Trieste, Italy)

Thierry Giamarchi (Genève, Suisse)

Anna Minguzzi (Grenoble, France)

Patrizia Vignolo (Nice, France)

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75231 Paris Cedex 05

HORAIRES

L'institut :
• lundi au vendredi de 8h30 à 18h,
• fermé les jours fériés.

Le musée - Maison Poincaré :
• lundi, mardi, jeudi et vendredi
de 9h30 à 17h30,
• samedi de 10h à 18h,
• fermé le mercredi et le dimanche.