



Du
26
NOV.
2023
au
02
DÉC.
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>

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:

		Mond ay 27/11		Tues day 28/11		Wedn esda y 29/11		Thurs day 30/11		Frida y 01/12
08:30 - 08:45		Open ing								
						Quan				Theor etical appro ache

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08:45 - 10:15		Integ rable syste ms (I)		Lutti nger liquid s (I)		tum therm odyn amic s (II)		Luttin ger liquid s (II)		s to quant um many -body non- equili brium (III)
10:15 - 10:45		coffe e break		coffe e break		coffe e break		coffe e break		coffe e break
10:45 - 12.15		Theo retica l appr oach es to quan tum many - body non- equili briu m (I)		Integ rable syste ms (II)		Open quant um syste ms (I)		Open quant um syste ms (II)		Quan tum therm odyn amic s (III)
14:00 - 16:00		poste r prese ntatio n		poste r sessi on (I)		free aftern oon		poste r sessi on (II)		Luttin ger liquid s (III) (14:3 0- 16:00)
16:00 - 16:30		coffe e break		coffe e break		for		coffe e break		coffe e break
16:30 - 18:00		Quan tum ther mody nami		Theo retica l appr oach es to quan tum many		scien tific discu ssion		Integr able syste ms		Open quant um syste ms

		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 Committee:

Rosario Fazio (Trieste, Italy)

Thierry Giamarchi (Genève, Suisse)

Anna Minguzzi (Grenoble, France)

Patrizia Vignolo (Nice, France)



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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.