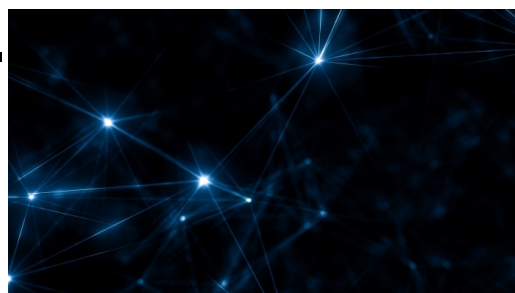




Workshop on Long-Range interactions in Quantum Systems



05.Sep - 08.Sep 2023

Cod. Z19-23

Modalité:

En personne

Édition

2023

Type d'activité

Workshop

Date

05.Sep - 08.Sep 2023

Location

Miramar Palace

Langues

Anglais

Reconnaissance officielle par l'État

40 heures

Comité d'organisation

Fundación
BBVA



Description

The 8th international workshop on “Long-range interactions in Quantum Systems” follows seven previous editions (Stuttgart 2014, Palaiseau 2015, Naples 2016, Bad Honnef 2017, Hamburg 2018, Gif-sur-Yvette 2019, Innsbruck 2022). Quantum manybody systems of long-range interacting particles (magnetic atoms, Rydberg atoms, polar molecules, ions...) have become over the last decade one of the most exciting platform for quantum simulation, bringing in the spotlight novel quantum phases and intriguing out-of-equilibrium phenomena. The workshop will take place over three-day. The limited duration and relatively small number of participants (on the order of 70, including speakers) will allow for in-depth presentations, as well as for fruitful exchange of ideas during the informal times such as breaks, social event, and a poster session. In particular, we expect that the poster session will allow younger researchers to present their work and establish connections with each others.

ORGANIZING COMMITTEE:

Prof. Francesca Ferlaino (University of Innsbruck & Institute for Quantum Optics and Quantum Information (IQOQI), Austria)

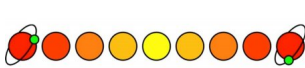
Prof. Antoine Browaeys (Institut d’Optique- Palaiseau, CNRS, France)

Dr. Robert Löw (University of Stuttgart, Germany)

Objectifs

The workshop will be an opportunity to discuss recent advances on the physics of Rydberg atoms, magnetic atoms, dipolar molecules, light-induced dipoles and dipolar interactions between artificial atoms and to explore new directions.

Collaborateurs spécifiques au cours



Directed by



Francesca Ferlaino

University of Innsbruck and IQOQI



Antoine Browaeys

Laboratoire Charles Fabry (UMR 8501 CNRS) - Institut d'Optique Graduate School

Tarifs inscription

MATRÍCULA	JUSQU'AU 31-07-2023
GENERAL	Inclus dans les frais

Lieu

Miramar Palace

Pº de Miraconcha nº 48. Donostia / San Sebastián

Gipuzkoa