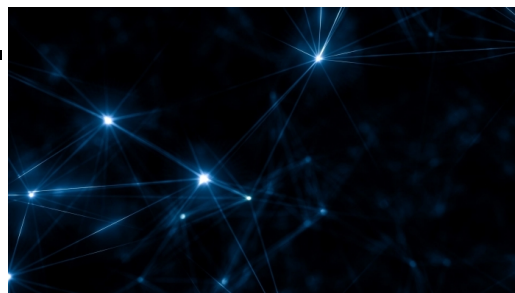




Workshop on Long-Range interactions in Quantum Systems



05.Sep - 08.Sep 2023

Cód. Z19-23

Mod.:

Presencial

Edición

2023

Tipo de actividad

Workshop

Fecha

05.Sep - 08.Sep 2023

Ubicación

Palacio Miramar

Idiomas

Inglés

Validez académica

40 horas

Web

<https://atom-tweezers-io.org/workshop-longrange-interaction-in-the-quantum/>

DIRECCIÓN

Francesca Ferlaino, University of Innsbruck and IQOQI

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

Comité Organizador



Descripción

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)

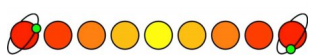
Prof. Antoine Browaeys (Institut d’Optique- Palaiseau, CNRS, France)

Dr. Robert Löw (University of Stuttgart, Germany)

Objetivos

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.

Colaboradores específicos del curso



Dirigido por:



Francesca Ferlaino

University of Innsbruck and IQOQI



Antoine Browaeys

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

Precios matrícula

MATRÍCULA

HASTA 31-07-2023

GENERAL

Incluido en la tarifa

Lugar

Palacio Miramar

Pº de Miraconcha nº 48. Donostia / San Sebastián

Gipuzkoa