

Cold Atom Workshop Barcelona

Friday 26 January 2024

Day 2: Session I (Chair: Giulia De Rosi, Universitat Politècnica de Barcelona) - Aula Enric Casassas (09:30 - 11:10)

time	[id] title	presenter
09:30	[21] Rydberg blockade due to the charge-dipole interaction between an atom and a polar molecule	GONZÁLEZ-FÉREZ (UNIVERSIDAD DE GRANADA), Rosario
09:50	[23] Superfluidity from correlations in driven boson systems	SOLS (UNIVERSIDAD COMPLUTENSE DE MADRID), Fernando
10:10	[22] Quantum correlations in mixtures of a few ultracold bosons	GARCIA-MARCH (UNIVERSITAT POLITÈCNICA DE VALÈNCIA), Miguel Ángel
10:30	[24] Chiral currents in Bose-Einstein condensates subject to current-density interactions	ARAZO (UNIVERSITAT DE BARCELONA / ICCUB), Maria
10:50	[25] Multiple symmetry breaking in spontaneous Floquet states	MUÑOZ DE NOVA (UNIVERSIDAD COMPLUTENSE DE MADRID), Juan Ramon

Day 2: Session VI (Chair: Cesar Cabrera, University of Hamburg) - Aula Enric Casassas (11:50 - 13:10)

time	[id] title	presenter
11:50	[26] Analog simulators for high harmonic generation	ARGÜELLO-LUENGO (ICFO - THE INSTITUTE OF PHOTONIC SCIENCES), Javier
12:10	[27] Efficient formulations of non-Abelian lattice gauge theories	FONTANA (UNIVERSITAT AUTÒNOMA DE BARCELONA), Pierpaolo
12:30	[28] Variational quantum algorithms for quantum optical systems	MUÑOZ DE LAS HERAS (IFF - CSIC MADRID), Alberto
12:50	[29] Inelastic confinement-induced resonances under 3D confinement	REVUELTA (UNIVERSIDAD POLITÈCNICA DE MADRID), Fabio