



QUIC meeting

April 20-21, LENS, Florence

Thursday 20

9.30	coffee		
11.15	Giovanni Modugno		Welcome and introduction
11.30	Maciej Lewenstein	ICFO	Weyl semi-metals - can we do something with atoms?
12.00	Frederik Görg	ETHZ	Controlling the Floquet state population and engineering unconventional Hubbard terms in periodically driven two-body systems
12.30	Jakub Zakrzewski	UJ - Krakow	Time-crystal built from excited eigenstates
13.00	lunch		
14.30	Thomas Bourdel	CNRS	Nonlinear scattering of a bright soliton in disorder
15.00	Mariusz Gajda	Warsaw	Few body systems in single shot pictures
15.30	Tom Beinè	Trento	Spin-Dipole Oscillation of a finite temperature Bose-Bose mixture
16.00	coffee		
16.30	Leticia Tarruel	ICFO	Quantum droplets in attractive Bose-Bose mixtures
17.00	Giulia Semeghini	LENS	Self-bound droplets in a Bose-Bose mixture of ultracold atoms
17.30	Morgan Mitchell	ICFO	Detection, production, and structuring of entanglement in atomic ensembles by quantum non-demolition measurement
18.00	lab visit		
20.00	dinner in Florence		

Friday 21

10.00	Laura Corman	ETHZ	Thermoelectric transport through an atomic quantum point contact (and further projects)
10.30	Przemyslaw Grzybowski	ICFO	Separated-lattices Fermi Hubbard model with strong correlated hopping
11.00	coffee		
11.30	Laurent Sanchez-Palencia	CNRS	Quantum phase transitions in one-dimensional systems
12.00	Francesco Scazza	LENS	Dynamics of strongly correlated Fermi gases
12.30	Chunlei Qu	Trento	Rotational properties and expansion dynamics of spin-orbit coupled Bose-Einstein condensate
13.00	lunch		
14.30	Fernando Lemini	SNS	Majorana Quasi-Particles Protected by Z ₂ Angular Momentum Conservation
15.00	Eleonora Lucioni	LENS	Towards low dimensional dipolar systems with Dy atoms
15.30	Alexandre Dauphin	ICFO	Detection of Zak phases and topological invariants in a chiral quantum walk of twisted photons
16.00	coffee		
16.30	final discussion		
17.30	end (or lab visit)		