

Program of InnFi: Innsbruck-Firenze Joint Meeting on Ultracold Atoms

Dates: 17-19 / 04 / 2023

Location: AULA UIBK & Campus Technik, Innsbruck.

Talk format: 25 minutes presentation + 15 minutes Q&A.

	Mon 17th		Tue 18th		Wed 19th
	AULA Universität Innsbruck, 1st floor, Innrain 52		Schrödingersaal IQOQI, 3rd floor Technikerstr. 21 a		Schrödingersaal IQOQI, 3rd floor Technikerstr. 21 a
		09:00 Chair: M. Landini	A. Canali (Dy/K): Optically trapped Dy/K Feshbach molecules near quantum degeneracy	09:00 Chair: T. Bland	L. Guariento (Sr-tw.): Programmable quantum simulator with individual Strontium Rydberg atoms
		09:40	L. Duca (Ba+/Li): Orientational melting in planar trapped ion crystals	09:40	D. Schneider Grün (T-REQS): Development of a quantum simulator with Rydberg atoms of Erbium
		10:20	Coffee break	10:20	Coffee break
		10:50 Chair: E. Kirilov	E. Casotti & A. Houwman (Er/Dy & Er): Rotation, roton and antiroton in dipolar gases	10:50 Chair: A. Trenkwalder	T. Zhou (Yb): Strongly Interacting Lattice Fermions: Hall Physics in Synthetic Quantum Systems
		11:30	G. Biagioni (Dy): Superfluid fraction of a supersolid from Josephson oscillations	11:30	L. Donati (uBEC): Quantum optics with hot atoms
		12:10	W. Kirkby (Theory): Spin rotons and supersolids in binary antidipolar condensates	12:10	End of program
12:30	Train arrival				
		12:50	Lunch at Mensa		
14:00	Arrival & Coffee	13:50 Chair: V. Gavryusev	T. Petrucciani (K): Atom interferometry with atomic Bose Einstein condensates trapped in beat-note Superlattices		
14:20	F. Ferlaino: Welcome				
14:30 Chair: A. Ortu	L. Cavicchioli (K/Rb): A heteronuclear Bose mixture with tunable interactions	14:30	S. Dhar (CsIII): Many body dynamics in one dimension		
15:10	S. Finelli (Cr/Li): Resonantly interacting Cr/Li Fermi mixtures	15:10	Coffee break, ICT Foyer		
		15:40	Lab tours		
15:50	C. Baroni (Li/K): Mediated interactions between Fermi polarons				
16:30	C. Beulenkamp (K/Cs): Preparing building blocks for ultracold dipolar molecules: ultracold mixtures of K and Cs				
17:10	Poster session and refreshments	17:40 Chair: C. Sias	D. Hernandez Rajkov (Li): Universality of the superfluid Kelvin-Helmholtz instability by single-vortex tracking		
		18:20	E. Poli & T. Bland (Er theory): Supersolids in one and two components		
19:10	End of program	19:00	End of program		
		20:00	Dinner at Glorious Bastards		