

Scientific Program

Aug 28, Tuesday	
Morning Chair:	8:00-8:45 Registration
	8:45-9:00 Opening
Li You (Tsinghua)	9:00-10:00 Deborah Jin (JILA) Ultracold Polar KRb Molecules
	10:00-10:30 Break
	10:30-11:30 Hanns-Christoph Nägerl (Innsbruck) Ultracold dipolar bosonic molecules
	11:30-12:00 Stefano Giorgini (Trento) Liquid and crystal phase of dipolar fermions in two dimensions
	Lunch Break
Afternoon Chair:	2:00-3:00 John L. Bohn (JILA) The Role of the Roton in Ultracold Dipolar Gases
	3:00-3:30 Break
Hui Zhai (Tsinghua)	3:30-4:30 Sebastian Will (MIT) Towards Fermionic Ground-State Molecules with Strong Dipolar Interactions
	4:30-5:30 Discussion Session I: Focus on experiments progresses of making degenerate polar molecule gases

Aug 29, Wednesday	
Morning Chair:	9:00-10:00 Gora Shlyapnikov (Orsay) Novel phases of polar molecules
	10:00-10:30 Break
Xuzong Chen (Peking)	10:30-11:00 Alessio Recati (Trento) Quadrupole oscillation in a dipolar Fermi gas: Hydrodynamic versus collisionless regime
	11:00-11:30 Ran Qi (Tsinghua) Two component fermionic dipolar molecule gas across a dipolar interaction induced resonance
	Lunch Break
Afternoon Chair: Sandro Stringari (Trento)	2:00-3:00 Luis Santos (Hannover) Ultra-cold dipolar gases in optical lattices
	3:00-4:00 Discussion Session II: Focus on theory of Dipolar Gases

Aug 30, Thursday

Morning Chair:	9:00-10:00 Benjamin Lev (Stanford) Quantum degenerate Bose and Fermi dipolar gases of dysprosium
	10:00-10:30 Break
Han Pu (Rice)	10:30-11:30 Francesca Ferlaino (Innsbruck) Bose-Einstein Condensation of Erbium
	11:30-12:00 Guido Pupillo (Strasbourg) Rydberg-dressed atoms: from many-body phases to molecular cooling
	Lunch Break
Afternoon Chair:	2:00-3:00 Tilman Pfau (Stuttgart) Long range interactions in quantum gases
	3:00-3:30 Break
Tin-Lun Ho (Ohio/Tsinghua)	3:30-4:30 Eugene Demler (Harvard) How to measure topological band structures in optical lattices using interference experiments
	4:30-5:30 Discussion Session III: Focus on theory of magnetic atoms
	5:30 Concluding remark