

MALICIA & COHERENCE - Winter School – Obergurgl 2013

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
07:30-08:30		Breakfast	Breakfast	Breakfast	Breakfast	Breakfast
08:30-09:30		R. Löw	F. Merkt	C.S. Adams	T. Pfau	Departure
09:30-10:00		Coffee break	Coffee break	Coffee break	Coffee break	
10:00-11:00		R. Löw	S. Whitlock	O. Firstenberg	I. Lesanovsky	
11:00-16:00	Arrival	Spare time	Spare time	Spare time	Spare time	
16:00-17:00		T. Pohl	F.S. Cataliotti	P. Grangier	P. Schauss	
17:00-17:30		Coffee break	Coffee break	Coffee break	Coffee break	
17:30-18:30		G. Pupillo	G. Giedke	B. Olmos Sanchez	H. Weimer	
18:45-19:45	Dinner	Dinner	Dinner	Dinner	Dinner	
20:00-21:00		Poster and/or discussion session				

- **Charles S. Adams**
"Light transport in media with strong dipole-dipole interactions"
- **Francesco S. Cataliotti**
"Atom Interferometry and Quantum State Reconstruction"
- **Ofer Firstenberg**
"Rydberg-mediated interaction between single slow-light photons"
- **Geza Giedke**
"On state preparation and phase transitions in open quantum systems"
- **Philippe Grangier**
"Rydberg blockade for manipulating atomic and photonic qubits"
- **Igor Lesanovsky**
"Spin physics with Rydberg atoms"
- **Robert Löw**
"Introduction to Rydberg atoms"
"Rydberg atoms in microscopic vapor cells"
- **Frédéric Merkt**
"Manipulating Rydberg atoms and molecules in the gas phase and near chip surfaces"
- **Beatriz Olmos Sanchez**
"Long-range interacting many-body systems with alkaline-earth-metal atoms"
- **Tilman Pfau**
"Trilobites and other molecular animals: How Rydberg-electrons catch ground state atoms"
- **Thomas Pohl**
"Nonlinear Optics in cold Rydberg-EIT media"
- **Guido Pupillo**
"Rydberg-dressed atoms under (light) control"
- **Peter Schauss**
"Observation of mesoscopic crystalline structures in a two-dimensional Rydberg gas"
- **Hendrik Weimer**
"Quantum Simulation with Rydberg Atoms"
- **Shannon Whitlock**
"Interfacing atoms and light with Rydberg-interacting dark-state polaritons"