

## Introductory Course on Ultracold Quantum Gases – 11–13 July 2017

In combination with the [37<sup>th</sup> SFB FoQuS Meeting](#) at the University of Innsbruck, 13-14 July 2017

Time	Monday 10.7.	Tuesday 11.7.	Wednesday 12.7.	Thursday 13.7.	Friday 14.7.
8:45 – 9:00		Welcome (Hanns-Christoph Nägerl)			
9:00 – 9:45		Laser cooling & trapping basics (Rudolf Grimm)	Ultracold scattering (Hanns-Christoph Nägerl)	Optical lattices / quantum gas microscopy (Manfred Mark)	
10:00 – 10:45		Experiments with BEC (part I) (Gabriele Ferrari)	Ultracold molecules (Hanns-Christoph Nägerl)	Dipolar quantum gases (Lauriane Chomaz)	
		short break	short break	short break and group photo	
11:15 – 12:00		Experiments with BEC (part II) (Gabriele Ferrari)	Bose-Hubbard theory (Andreas Läuchli)	Atom Chips (Thomas Shwiegler)	
		lunch break	lunch break	lunch break	
14:00 – 14:45		Basic BEC theory (part I) (Stefano Giorgini)	Basic Fermi gas theory (Mikhail Baranov)	<b>Start of SFB Meeting</b>	
15:00 – 15:45		Basic BEC theory (part II) (Stefano Giorgini)	Fermi gas experiments (Andrey Turlapov)		
		break	break		
16:30 – 17:30		Lab Tours	Q&A session		
17:30 – 18:30		Lab Tours			
18:30 – 19:30	Registration and	Lab Tours		Dinner at Arzler Alm	
19:30 – 21:00	Get-together	Evening Programme	Evening Programme		

Introductory Lecture

Socializing

SFB FoQuS Meeting