

Introductory Course on Ultracold Quantum Gases

08-10 July 2019, Innsbruck

We offer a three-day introductory course on ultracold quantum gases at the University of Innsbruck, jointly organized by the Institute of Quantum Optics and Quantum Information (IQOQI) and the Innsbruck Physics Research Center at Innsbruck University. The course consists of introductory lectures from experts from Innsbruck, Vienna, Munich, and Trento, covering basic concepts of Bose-Einstein condensation, ultracold Fermi gases, ultracold molecules, strongly correlated quantum gases, and optical lattices. There will also be the opportunity to visit state-of-the-art ultracold-quantum-gas laboratories in Innsbruck.

Date & Venue: 08-10 July 2019. The lectures start on Monday morning. Arrival day and check-in on Sunday (7th July). Possibilities for financial support is available for up to 30 external participants. Applicants are required to provide a short letter of recommendation.

Target Group: Student just finishing their bachelor's degree, master students, and first-year PhD students who have recently joined the field.

Requirements: Basic knowledge in quantum physics and in atomic, molecular, and optical physics.

Speakers:

Mikail Baranov	Francesca Ferlaino
Rudolf Grimm	Onur Hosten
Bo Huang	Manuele Landini
Michael Knap	Manfred Mark
Sandro Stringari	
Hanns-Christoph Nägerl	
Arno Trautmann	

Application deadline 7 June 2019

Online registration at www.uibk.ac.at/sp-physik/events

Scientific Organizers: Francesca Ferlaino (Institute for Experimental Physics, University of Innsbruck; IQOQI Innsbruck)
Rudolf Grimm (Institute for Experimental Physics, University of Innsbruck; IQOQI Innsbruck)
Hanns-Christoph Nägerl (Institute for Experimental Physics, University of Innsbruck)

Logistic and Local Organization: Sabine Hofer (Innsbruck Physics Research Centre)
Silvia Bonazza (Institute for Experimental Physics, University of Innsbruck)