



Introductory Course on Quantum Information and Quantum Gases



Innsbruck
06-08 July 2010

Organizers: Klemens Hammerer
Rudolf Grimm
(Univ. Innsbruck and IQOQI)



Scope of the Course: The course will give a basic introduction into two fascinating research fields of modern quantum physics: **quantum information** and **ultracold quantum gases**.

Program: **Fourteen tutorial lectures** given by experts from Innsbruck and Vienna will cover the main topics of the field. The lectures will be augmented by lab visits, social events, and participation at the one-day SFB colloquium on July 8th.

The course will start with an informal get-together on July 5th in the evening.

Participants: The course addresses **advanced undergraduate students** shortly after their BSc degree (or typically after three years of diploma studies). Basic knowledge of quantum physics and atomic, molecular, and optical physics is assumed. The Innsbruck Physics Research Center will be able to **sponsor the participation of about 20 external students**, supporting their travel and covering local expenses.

Application: Application forms can be downloaded at <http://www.ultracold.at>. The applicants are requested to arrange for a **recommendation letter** to be sent to us by e-mail by one professor from their home university.

Contact and application: Ms. Hofer Brigo, sp-physik@uibk.ac.at
application deadline: June 15th 2010

