

Bonn-Cologne Graduate School of Physics and Astronomy

Intensive Week Course Quantum Technologies

March 25-29, 2019, 9⁰⁰-12³⁰ / 14⁰⁰-17³⁰ h

Lecture Hall, IAP (Institut für Angewandte Physik), Bonn

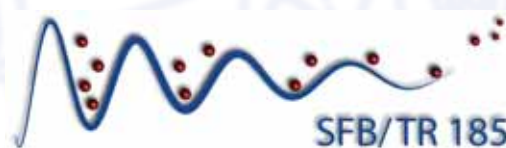
Lecturers: Prof. Dr. Dieter Meschede & Dr. Frank Vewinger,
University of Bonn

This Intensive Week is aimed at graduate students interested in the emerging field of Quantum Technologies. The program will consist of lectures and seminar talks given by students. After a session devoted to the question *What is Quantum?*, participants will be introduced to the topics *Quantum Sensing*, *Quantum Communication*, *Quantum Simulation*, as well as *Quantum Computing*.

The number of attendants will be limited to about 25. To acquire credit points, students are expected to give a seminar presentation (4 CPs). Due to organizational reasons, we require Bonn and Cologne students to register in eCampus: <https://ecampus.uni-bonn.de/bl.php?id=149415>.

This course is also part of the graduate training program of the *SFB/TR 185* as well as the Cluster of Excellence *Matter and Light for Quantum Computing*. Students from Aachen or Kaiserslautern are kindly requested to contact Frank Vewinger for participation: vewinger@uni-bonn.de

ML⁴Q
MATTER AND LIGHT FOR
QUANTUM COMPUTING



SFB/TR 185



Superposition of quantum states © University of Bonn



Ion trapped in a BEC © University of Bonn

