

Quantum Information Science and Technology

Module No.: MN-P-PN, MN-P-WaMa

Course: Advanced Seminar on Topics in Quantum Information Science and Technology

Lecturers: D. Groß

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Category	Type	Language	Teaching Hours	CP	Semester
Advanced Seminar	Seminar	English	2	3	

Requirements for participation:

Quantum Mechanics. For some of the talks knowledge in Quantum Information Theory required.

Type of module examinations:

Presentation in form of a seminar talk, answering of questions from the audience.

Duration of the course:

1 semester

Aims of the course:

The advanced seminar gives the opportunity to learn about a specific topic in Quantum Information Theory.

At the beginning of the seminar a list of possible topics is presented. Students pick one topic, read selected papers, discuss the content with a tutor, prepare a seminar talk, make the presentation in front of an audience and answer questions of the audience related to the presentation.

The seminar gives the opportunity to read original literature, to learn to know about a topic at the forefront of current research and to train presentation skills.

Contents of the course:

- Depending on choice of topic of presentation

Recommended literature:

Selected reading of publications based on the topic