

Module:	Elective Advanced Lectures: Experimental Physics
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Module No.: physics70a

Course:  universität**bonn**

**Intensive Week: Advanced Topics
in Photonics and Quantum Optics
(E)**

Course No.: physics737

Category	Type	Language	Teaching hours	CP	Semester
Elective	Combined lecture, seminar, lab course	English	2	3	WT/ST

Requirements for Participation:

Preparation:

Fundamentals of optics, fundamentals of quantum mechanics

Form of Testing and Examination:

Seminar or oral examination

Length of Course:

1 - 2 weeks

Aims of the Course:

The intensive course will convey the basics of a recent topic in photonics or quantum optics in theory and experiments. Guided by a combination of lectures, seminar talks (based on original publications) and practical training, the participants will gain insight into recent developments in photonics/quantum optics.

Contents of the Course:

Will be given in the bulletin of lectures. The main theme will vary from term to term

Recommended Literature:

Will be given in the lecture