

Advanced Laboratory Course - physics601

<i>Module No.</i>	physics601
<i>Category</i>	Required
<i>Credit Points (CP)</i>	7
<i>Semester</i>	1.

Module: Advanced Laboratory Course

Module Elements:

Nr	Course	Course No.	CP	Artkurz	Teaching hours	Semester
1	Advanced Laboratory Course	physics601	7	Laboratory	3+2	WT/ST

Requirements for Participation:

Form of Examination: written report for every laboratory

Content: Every student has to complete this Laboratory Course. The course consists of advanced experiments introducing into important subfields of contemporary experimental physics and astrophysics. The lab-course is accompanied by a seminar.

Aims/Skills: The students shall gain insight in the conceptual and complex properties of relevant contemporary experiments. The students gain experience in setting up an experiment, data logging and data analysis. They experience the intricacies of forefront experimental research

Course achievement/Criteria for awarding cp's:

Before carrying out an experiment, the students shall demonstrate to have acquired the necessary preparatory knowledge. Experiments are selected from the catalogue of laboratory set-ups offered. Cumulative lab-units of ≥ 9 are required.

Requirements for the examination (written report for every laboratory): successful completion of the experiment and initial oral questioning plus seminar talk

Length of Module: 1 semester

Maximum Number of Participants: ca. 100

Registration Procedure: s. <https://basis.uni-bonn.de> u. <http://bamawww.physik.uni-bonn.de>

Note: