

## Specialization: Experimental Physics - physics61a

<i>Module No.</i>	physics61a
<i>Category</i>	Elective
<i>Credit Points (CP)</i>	6
<i>Semester</i>	1.

### Module: Specialization: Experimental Physics

*Module Elements:*

Nr	Course	Course No.	CP	Artkurz	Teaching hours	Semester
1	Particle Physics	physics611	6	Lect. + ex.	3+1	WT
2	Accelerator Physics	physics612	6	Lect. + ex.	3+1	WT
3	Condensed Matter Physics	physics613	6	Lect. + ex.	3+1	WT
4	Laser Physics and Nonlinear Optics	physics614	6	Lect. + ex.	3+1	WT
5	Physics of Particle Detectors	physics618	6	Lect. + ex.	3+1	WT
6	Molecular Physics I	MolPhys I	6	Lect. + ex.	3+1	WT
7	Condensed Matter Physics I	CondMatter I	6	Lect. + ex.	3+1	WT
8	Advanced Atomic, Molecular, and Optical Physics	physics620	6	Lect. + ex.	3+1	WT

### Requirements for Participation:

**Form of Examination:** see with the course

**Content:** Fundamentals in experimental physics in Bonn or Cologne

**Aims/Skills:** The students will get acquainted with modern research topics

**Course achievement/Criteria for awarding cp's:** see with the course

**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:** Note: The student must achieve at least 24 CP out of all 6 Specialization Modules