Specialization: Advanced Experimental Physics - physics62a

Module No.	**physics62a**
Category	Elective
Credit Points (CP)	6
Semester	2.

Module: Specialization: Advanced Experimental Physics

Module Elements:

Nr	Course	Course No.	CP	Artkurz	Teaching hours	Semester
1	Physics of Hadrons	physics632	6	Lect. + ex.	3+1	ST
2	High Energy Collider Physics	physics633	6	Lect. + ex.	3+1	ST
3	Advanced Topics in High Energy Particle Physics	physics639	6	Lect. + ex.	3+1	ST
4	Quantum Optics	physics631	6	Lect. + ex.	3+1	ST
5	Magnetism/Superconductivity	physics634	6	Lect. + ex.	3+1	ST
6	Molecular Physics II	MolPhys II	6	Lect. + ex.	3+1	ST
7	Photonic Devices	physics640	6	Lect. + ex.	3+1	ST

Requirements for Participation:

Form of Examination: see with the course

Content: Fundamentals on an advanced level 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