## Nuclear and Elementary Particle Physics

<table>
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<tr>
<th>Module title</th>
<th>Abbreviation</th>
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<tr>
<td>Physical laws of Nuclear and Elementary Particle Physics</td>
<td>11-KET-092-m01</td>
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### Module coordinator
Managing Director of the Institute of Applied Physics

### Module offered by
Faculty of Physics and Astronomy

### ECTS
4

### Method of grading
numerical grade

### Only after succ. compl. of module(s)

### Duration
1 semester

### Module level
undergraduate

### Other prerequisites
Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.

### Contents
- Physical laws of Nuclear and Elementary Particle Physics. Historical introduction. Scattering and spectroscopy.

### Intended learning outcomes
The students understand the basic connections between fundamental Nuclear and Elementary Particle Physics. They have an overview of the experimental observations of Particle Physics and the theoretical models which describe them.

### Courses
V + Ü (no information on SWS (weekly contact hours) and course language available)

### Method of assessment
written examination (approx. 120 minutes, for modules with less than 4 ECTS credits approx. 90 minutes; unless otherwise specified)

### Allocation of places

### Additional information

### Referred to in LPO I (examination regulations for teaching-degree programmes)

### Module appears in
- Bachelor' degree (1 major) Physics (2010)
- Bachelor' degree (1 major) Mathematical Physics (2009)
- Bachelor's degree (1 major, 1 minor) Physics (Minor, 2010)