

Master's Study in Theoretical Physics

About the course

Our two year master studies in theoretical physics provide a high-level, internationally competitive training in theoretical physics, guiding to frontiers of modern research in the following main areas:

1. Astrophysics.
2. Classical and quantum gravity.
3. Gravitational waves.
4. Quantum optics.
5. Quantum information.
6. Modern quantum mechanics, entanglement, nonlinear dynamics.
7. Supersymmetric quantum mechanics.

Comprehensive and up to date introduction to modern theoretical physics is provided in connection to the current research conducted at the Institute of Theoretical Physics. Students can join one of the active groups and take part in special projects. The studies offer considerable flexibility and choice. You will be able to choose a path reflecting your intellectual tastes or career choices. You may prefer a broad theoretical education across subject areas or if you have already decided about your profile, you may follow a more selective path. With our diploma you will be entitled to apply to the PhD School at the Faculty of Physics and Astronomy and develop your scientific career under supervision of one of our faculty members.

We are international

Our faculty members are from: Poland, Germany, Armenia, Italy, Japan.
We have students coming from variety of countries including:
Germany, India, Italy, Iran, Jordan, Portugal, Spain, Ukraine, USA.