



UNIVERSITY
OF TRENTO - Italy
Department of Physics

CALL FOR APPLICATIONS 2016

PhD in Physics 32nd Cycle



PROGRAMME

The PhD Programme is organized by the Physics Department, University of Trento. The close partnership with INFN - Istituto Nazionale di Fisica Nucleare - enriches the Programme.

- Autonomous research under the direction of a supervisor and within the laboratories of the Department of Physics or of local research institutions
- Wide range of courses held by scientists of the Physics Department or of the local research institutions
- Numerous high level seminars and talks given by visiting scholars
- Dynamic international and lively environment with state-of-the art facilities

OPENINGS

There are **16 positions** starting from November 1st 2016. At present, **14 fellowships** are available: 7 fellowships on open research topics among those of interest to the Department of Physics, 7 on predetermined research subjects. Additional fellowships may be provided.

Doctoral grants are funded by the University of Trento and INFN.

The following local research institutions make available their research infrastructures and know how: **FBK** (CMM, ECT*, LISC); **CNR** (IBF, IFN, IMEM, INO-BEC); **IIT** (CNCS), **INFN** (TIFPA).

In addition there are research collaborations with an extended network of international institutions.

The salary of the PhD student, being fixed in Italy by national rules, is complemented locally by supports and benefits.

RESEARCH TOPICS

- Biophysics and Biosignals
- Biorganic Chemistry
- Computational Physics and Astrophysics
- Condensed Matter Physics
- Chemistry and Physics of Cold Plasmas
- Experimental Astrochemistry
- Experimental Astroparticle Physics
- Experimental Gravitation and Gravitational Astronomy
- Hydrogen, Energy, Environment
- Materials Science
- Microsystems
- Nanoscience
- Optical and X-ray Spectroscopy
- Physical Science Communication
- Physics with Antimatter
- Photonics
- Quantum Optics
- Structure and Dynamics of Complex Systems
- Structure and Reactivity of Molecular Systems
- Theoretical Cosmology
- Theory of Fundamental Interactions
- Theory of Nuclear and Subnuclear Physics
- Ultracold Atoms and Quantum Gases

SELECTION

Candidates will be selected on the basis of their CV and of a colloquium. Selected candidates will choose a PhD topic among those offered by the Physics Department or by the sponsoring research institutions.



INFORMATION

<http://web.unitn.it/drphys>
Secretariat of the PhD in Physics
Ph. +39-0461-281575-2042
Fax +39-0461-283934
e-mail: phd.physics@unitn.it



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