



GREEK REPUBLIC
UNIVERSITY OF IOANNINA
SCHOOL OF SCIENCES
PHYSICS DEPARTMENT

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CALL FOR PROPOSALS
FOR ELEVEN (11) PhD POSITIONS

The Department of Physics of the School of Sciences of the University of Ioannina accepts applications for doctoral dissertation (PhD) in the following indicative research fields:

	Dissertation subject area	Contact Person	tel./ e-mail
1	Effective Theory Models from String Theory: Implications in Particle Physics and Cosmology	Prof. G. Leontaris	2651008744 leonta@uoi.gr
2	Theoretical Particle Physics Beyond the Standard Model	Prof. A. Dedes	26510 08488 adedes@uoi.gr
3	Spallation nuclear reactions induced by high energy protons	Associate Prof. N. Nicolis	2651008557 nnicolis@cc.uoi.gr
4	Flame Spray Pyrolysis Engineering of Catalytic Nano suboxides	Prof. Y. Deligiannakis	2651008662 ideligia@uoi.gr
5	Engineering of Hybrid Nanomaterials by Flame Spray Pyrolysis	Prof. Y. Deligiannakis	2651008662 ideligia@uoi.gr
6	Synthesis, characterization and study of the properties of novel magnetic nanostructured materials	Associate Prof. A. Douvalis	2651008461 adouval@uoi.gr
7	Measurements of Jet Cross-Sections and Studies for New Trigger Systems with the CMS Detector at the LHC	Prof. C. Fountas	2651008750 costas.foudas@uoi.gr
8	Development and Studies for the CMS Experiment Barrel Muon Trigger System for the High Luminosity LHC	Prof. C. Fountas	2651008750 costas.foudas@uoi.gr
9	Dust in the Mediterranean basin. Implications for regional climate and weather	Associate Prof. N. Hatzianastasiou	26510 08539 nhatzian@cc.uoi.gr
10	Physical parameters that shape air quality and acoustic environment in an extended urban complex	Prof. P. Kassomenos	2651008470 pkassom@uoi.gr
11	Study of the partonic origin of hadronic jets in the CMS experiment of LHC	Assistant Prof. I. Strologas	2651008513 strolog@uoi.gr

Eligible to apply are holders of a Master's Diploma (MSc) in physics or physics-related subjects by national or foreign recognized as equivalent, institutions (Δ.Ο.Α.Τ.Α.Π. (in accordance with law 3328/2005 (A' 80)). In special cases, eligible to apply are PhD candidates who do not hold a Master's degree. These cases only concern postgraduate students who are enrolled in one of the Postgraduate Studies Programs, have successfully completed the courses within the foreseen time and their performance is excellent. Their application form is submitted within the same time period specified in the current Call for Proposals and does not count towards the total number of vacancies.

Interested parties are invited to submit the following documents by **30-9-2019** to the Secretariat of the Department of Physics:

1. Application Form
2. Detailed Curriculum Vitae.
3. Certificate of adequate knowledge of at least one official language of the European Union, preferably English.
4. An outline of the proposed doctoral dissertation.
5. Copy of a Masters diploma in science (MSc).
6. Transcript of records of undergraduate and graduate grades.
7. Certificate (Δ.Ο.Α.Τ.Α.Π.) (if required)
8. At least two recommendation letters.
9. Statement from the candidate about the research field in which he or she wishes to conduct his or her doctoral dissertation. This option may be one of the research fields outlined in the call proposal. If the selected option is not included in the call proposal, the candidates are required to submit a detailed description of the research subject (at least 500 words).
10. Photocopy of Police ID.

The languages of submission of the proposed title and of the outline of the dissertation may be Greek and / or English.

Candidates are selected on the basis of their performance in undergraduate and postgraduate studies, the interview (which may also be done by video-conference), the recommendation letters they submit as well as the scientific papers or other research work they have conducted.

The selection process will be completed by **30-10-2019**.

For more information, please contact the Secretariat of the Department during working days and hours at (0030)-26510-07491.

Ioannina, 02-07-2019

