



## PhD positions in theoretical High Energy Physics and Cosmology

The Crete Center for Theoretical Physics invites applications from candidate PhD students to start in September 2013. Applicants should have completed a high quality, recognized, Master's program in Theoretical High Energy Physics and/or Cosmology.

Applicants should submit by email to [PhD-CCTP@physics.uoc.gr](mailto:PhD-CCTP@physics.uoc.gr) and no later than **January 15, 2013**:

- a) A detailed CV, transcripts from undergraduate and master's studies, a list of publications if any and a statement of research interests.
- b) Three letters of reference from senior scientists.
- c) The GRE scores for the General and Physics exam if available.
- d) Proof of sufficient knowledge of English or TOEFL scores if available.
- e) Demand for financial support if necessary with all relevant information.
- e) Any other information you deem relevant.

A remote interview may also be required. The decisions will be taken and announced in March 2013.

The Crete Center of Theoretical Physics was established recently, thanks to a generous grant of the European Union. Its purpose is to federate the research efforts of the high energy and cosmology group of the university of Crete as well as other peripheral groups. (<http://hep.physics.uoc.gr/>)

The faculty members of the Center include:

*Elias Kiritsis* (string phenomenology, string/brane cosmology, gauge/gravity correspondence and applications to QGP)

*Nicolaos Papanicolaou* (Large-N techniques, integrable spin systems, high-Tc superconductivity)

*Tassos Petkou* (gauge/gravity correspondence, 3d CFTs)

*Theodore Tomaras* (Brane cosmology, solitons, string phenomenology, high energy gravitational scattering)

*Nicolaos Tsamis* (Quantum Cosmology, Inflation)

CCTP has currently five postdoctoral fellows, and another 6 are expected to be hired in this year's campaign. The Center has a well-funded and vigorous visitor program with at least one and normally more visitors per week, seminars and colloquia. 1 to 2 research workshops/conferences are organized locally per year. It has close collaborations with the condensed matter as well astrophysics groups. All in all we have an exciting multinational environment in our Center, and we are looking for top-quality PhD candidates to share it and profit from it.

The topics of research at the Center range from high energy physics to cosmology and condensed matter physics. More information can be found in <http://hep.physics.uoc.gr/research.shtml>

