



1/9/2018

The Centre for Theoretical Physics **The British University in Egypt** **Graduate Student Fellowships**

The Centre for Theoretical Physics (CTP) at the British University in Egypt announces openings for Graduate Student Fellowships. These may be awarded on a part time or full time basis, in order to undertake research that leads to the award of M.Sc. or Ph.D. in physics/astronomy or mathematics, in collaboration with Egyptian public universities – which will therefore be the degree granting bodies – and under the co-supervision of CTP members. *Candidates must have completed all requirements needed (by the public universities) to register for the degree they are applying for; in particular they must have successfully completed all (e.g., 'Pre-Master') coursework, or expect to complete it before fellowship start date.*

Current interest of CTP members include: cosmology; the formation and evolution of galaxies; gravitational physics and dynamics; particle physics and analysis of data from the Compact Muon Solenoid (CMS) experiment in the Large Hadron Collider at CERN (*Centre European pour la Recherche Nucleaire*) and computational physics.

The fellowships come with a moderate stipend. The CTP offers an adequate research environment, ample workspace, and access to the cluster of Dell and Sun workstations and blade server. run by the CTP and to be expanded in the coming period.

Candidates are expected to have a solid background in physics and mathematics, in addition to a strong motivation to pursue scientific research at an international level. Knowledge of numerical methods and programming languages (FORTRAN, C, C++) is desirable (C++ being essential for those interested in working with CMS data).

Interested candidates should send applications to CTP director amr.elzant at bue.edu.eg. These should include a CV (with a list of any published or submitted papers) and a .cover letter containing a brief statement describing the candidate's scientific background (including any research experience) and interests, and his/her motivation for pursuing research in areas of physics in which CTP members are active. In addition, candidates should arrange for two recommendation letters, from scientists familiar with their work, to be sent directly to the aforementioned address.

Suitably qualified candidates will be contacted in order to arrange appointments for interviews; the search will continue until all positions are filled. Starting dates can begin from December 2018; positions will have the title of 'Research Assistant'.