



Research Assistant at the Centre for Theoretical Physics

The Centre for Theoretical Physics (CTP) at the British University in Egypt is seeking highly motivated postgraduate students, with strong physics background, to be selected for support for research leading to MSc or PhD in collaboration with Egyptian public universities. Applicants must have a BSc degree in physics or mathematics and should have completed any required preparatory courses for the graduate degree they are seeking and ready to register for the research stage.

CTP members are active in several research areas of fundamental physics, including field theory and theories of gravitation, as well as physical cosmology and galaxy formation and evolution and gravitational and general nonlinear dynamics. Centre members are also involved in the CMS collaboration at CERN, particularly in data analysis and detector simulations. (More information can be found at ctp.bue.edu.eg). The successful applicant will work under supervision of one or more CTP m within the broad research areas outlined. For some of these topics, knowledge of scientific programming (C, C++, FORTRAN) and numerical analysis techniques would be highly advantageous.

The position of research assistant provides for a moderate monthly stipend and use of university facilities, including the Sun blade server and cluster of workstations run by the CTP. The centre provides for a pleasant research environment and opportunities for national and international collaboration.

Interested candidates should send their CV and a statement outlining their academic background and motivations for pursuing research in one of the areas in which the CTP is active (specifying any qualifications they feel are relevant in this regard) to Amr El-Zant, CTP director, at amr.elzant@bue.edu.eg. They should also arrange for at least one letter of recommendation, from a senior academic familiar with their work, to be sent directly to the same address. Qualified applicants will be invited for an interview. Starting date can be as early as December 2016.