



LECTURER (NGAP) DEPARTMENT OF PHYSICS FACULTY OF SCIENCE

The Department of Physics is a dynamic and growing academic department in the Faculty of Science at the University of Cape Town. The department seeks to fill a permanent academic position at the rank of Lecturer to strengthen its present and future research activities within one of the current or related areas of research within the department through the New Generation of Academics Programme (nGAP).

The nGAP appointment is a full-time permanent position that covers a six-year development period: a 3-year development programme, followed by a 3-year induction. In order to allow the appointee to complete a PhD or publish doctoral research material and to acquire research and teaching skills, the nGAP period of appointment is structured as follows:

- a Development Programme of 3 years duration (with the possibility of the programme being tailored to meet the needs of individuals);
- three years induction after successful completion of the Development Programme; and
- continuing permanent employment at the appointing institution thereafter, subject to the normal UCT probation processes.

For more information on the nGAP programme see <http://www.ssauf.dhet.gov.za/ngap.html>

Research at UCT Physics comprises the following five areas: (1) applications of nuclear physics in the areas of fast neutron beams, gamma ray detection, PEPT and proton radiotherapy, (2) solid state physics in the areas of low-temperature nano-electronics and computational condensed matter physics, (3) experimental activities within the ALICE and ATLAS collaborations at CERN, including detector upgrade projects, and the application of technologies developed for in High Energy Physics such as Quantum Dot Scintillators and Real-Time Artificial Intelligence to real-world challenges such as PET imaging and muon tomography, (4) high energy theoretical physics, and (5) physics education research.

The university is in close proximity to the Centre for High Performance Computing, and the iThemba LABS national accelerator facility. The Department is also affiliated with the SA-CERN programme, which funds travel and infrastructure for CERN related projects.

To view and apply for this position, please visit the UCT Jobs site [View](#) (For Internal Applicants) and [View](#) (For external Applicants) to create a profile and to submit your application.

Closing date: 16 September 2024

Reference:

ID 741

UCT is a designated employer and is committed to the pursuit of excellence, diversity and redress in achieving its equity targets in accordance with the Employment Equity Plan of the University and its Employment Equity goals and targets. Preference will be given to candidates from the under-represented designated groups. Our Employment Equity Policy is available at www.hr.uct.ac.za/hr/policies/employ_equity

UCT reserves the right not to appoint.