



Dr

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Call for application: Post-Doctoral fellow in Experimental High-Energy Particle Physics

We invite applications for a Post-Doctoral Fellowship in Experimental High-Energy Physics to conduct research with Dr. Sahal Yacoob and Dr James Keaveney. The Post-Doctoral Fellow is expected to take a leading role in one of the current research activities of the group and to contribute to the training of students via involvement in their projects. Opportunities in undergraduate teaching are also available. Our research topics include novel measurements of the top quark mass, production of vector bosons in association with a Higgs boson or top quark pairs, and development for the ATLAS ITk.

Conditions of the award

- Fellowships are only available to individuals who have achieved a doctoral degree within the past five years;
- Applicants may not previously have held full-time permanent professional or academic posts;
- As part of the professional development of the successful candidate, he or she may be required to participate in departmental activities (such as limited teaching, outreach, and co-supervision duties incidental hereto).
- The applicant will be expected to spend some time at CERN (up to a maximum which is less than 50% is envisioned), and be based at UCT otherwise.
- There is additional funding available for time spent at CERN including full accommodation and subsistence.

Value and Tenure

- The value of each fellowship is R350 000.00 p/a. which is exempt from taxation. (Including funding while at CERN the value associated with the position is approximately 40 K USD annually)
- The tenure of each fellowship is 1 year (1 July 2019 – 30 June 2020), after which a second year is possible based on satisfactory academic progress and the availability of funds. Further extensions must be applied for each year until the final and fifth year, provided progress is satisfactory and funds are available.

Academic Criteria

- Applicants should have graduated with a PhD in Experimental Particle Physics at the time of appointment;
- Applications from candidates expecting to graduate in 2019 are welcome.
- Preference will be given to applicants with experience on an LHC experiment (CMS / ATLAS / LHCb) in Particle Physics as opposed to Heavy Ion Physics;
- Experience supervising students will be an advantage.

Application Requirements:

All applicants should include:

- A letter of motivation including research interests and experience;

- A CV including details of the candidates efforts in particle physics;
- Two letters of recommendation
- Applications should be sent by email to Dr Sahal Yacoob:sahal.yacoob@uct.ac.za
- The closing date for applications is 30 June 2019. Late applications will be considered until the post is filled
- Eligible and complete applications will be considered by Dr Sahal Yacoob, and a sub-committee comprised of members of the UCT Physics Department.

The University of Cape Town reserves the right to:

- disqualify ineligible, incomplete and/or inappropriate applications,
- change the conditions of award or to make no awards at all.