

**UNIVERSITY OF THE WITWATERSRAND, JOHANNESBURG
FACULTY OF SCIENCE**

SENIOR LECTURER POSITION IN EXPERIMENTAL PARTICLE PHYSICS

SCHOOL OF PHYSICS

A Senior Lecturer post in Experimental Particle Physics for the ATLAS experiment at CERN is available immediately. The Institute of Collider Particle Physics (ICPP) has commitments towards the data analysis, maintenance, operations and upgrade of the experiment. The ICPP contributes to the Phase-II upgrade of the Tile Calorimeter and also participates in the Technology Innovation Platform of the National Research Foundation. The ICPP is an active member of the SA-CERN programme.

The School of Physics, the largest in the country, engages in internationally competitive research within very diverse fields, some emerging and some established, including experimental and theoretical high energy physics, namely string theory, phenomenology, gravitation and cosmology, materials physics, experimental and theoretical condensed matter physics, nuclear physics, astronomy, astrophysics and astro-particle physics, photonics, space propulsion and physics education. The School hosts four DSI-NRF Chairs and is home to the Materials Physics Research Institute with significant experimental infrastructure, the Mandelstam Institute for Theoretical Physics, the ICPP, the Wits Centre for Astrophysics, the Nuclear Structure Research Group and the WitsQ Research Group focused on quantum technologies. In addition, the School has an active teaching programme that reaches over 3000 students annually and an outreach programme that includes a Planetarium.

Qualifications:

A PhD and postdoctoral research experience in experimental particle physics with a good publication record and evidence of independent research inside a large experimental collaboration. Proven tracking record in both instrumentation and data analysis is mandatory. Teaching experience and involvement in the supervision of postgraduate students are an advantage.

Final selection will be made on the basis of scholarship and potential to contribute to the work and reputation of the School.

Duties:

Senior Lecturers are expected to pursue research, teach, supervise postgraduate students and participate in the administration of the School, Faculty and University.

Applications: Submit a cover letter accompanied by a detailed curriculum vitae indicating research experience, teaching and research portfolio, certified copies of all educational qualifications and identity document and the names and email addresses of 3 referees.

To apply: External applicants are invited to apply by registering their profile on the Wits iRecruitment platform located at <https://irec.wits.ac.za> and submitting applications. Internal applicants are invited to apply directly on Oracle by following the path: iWits /Self Service Applications /"Apply for a job".

Enquiries: For further information contact the Director of ICPP, Professor Bruce Mellado: Bruce.Mellado@wits.ac.za or the Head of School, Professor Deena Naidoo: Deena.Naidoo@wits.ac.za.

Closing date: Monday, 11 October 2022

The University reserves the right not to make an appointment and continue searching after the closing date and only short-listed candidates will be contacted.

"The University is committed to employment equity. Preference will be given to appointable applicants from underrepresented designated groups in terms of the relevant employment equity plan and policies of the university"

 **Committed to excellence and equity**