



**iThemba  
LABS**  
Laboratory for Accelerator  
Based Sciences

## **Postdoctoral Research Fellowships Experimental Nuclear and Particle Physics**

The ALICE group in the Department of Nuclear Physics at iThemba LABS, near Cape Town in South Africa, is seeking to fill a **postdoctoral fellowship** on experimental heavy-ion physics with ALICE at the LHC. The position is initially for two years and an extension to three years is possible depending on the availability of funding and performance.

The basic research also covers physics topics on the study of nuclear matter under extreme conditions as produced in ultra-relativistic heavy ion collisions. An in-house group within the department is collaborating in the ALICE experiment which is being carried out at the LHC, CERN. The group is actively involved in the data analysis as well as in the operations of the Muon Spectrometer. The group is part of the national South Africa – CERN programme. Therefore, funding for extended research visits to CERN is available within the programme.

The postdoctoral fellow is expected to work in ALICE on topics related to Muon Physics.

### **Minimum requirements:**

Applicants must have:

- Completed their Ph.D degree in High Energy and Particle Physics
- Track record of producing research outputs, e.g. presentations at international conferences and publications in peer-reviewed journals, AND
- Experience in data analysis in heavy-ion or particle physics, OR expertise on detectors / instrumentation OR online, high-performance computing.

### **Duties and Expectations:**

- Undertake focused and high quality research,
- Support the programme related to the ALICE project.

The total value of the fellowship on offer is R 315 000 per annum. The position is open and applications are invited. The deadline for applications is 30 March 2016.

## **Contact:**

Applicants should submit their detailed CV and covering letter by logging to <http://www.nrf.ac.za/work-nrf> and apply online.