



LABORATÓRIO DE INSTRUMENTAÇÃO E FÍSICA EXPERIMENTAL DE PARTÍCULAS

ANNOUNCEMENT FOR THE OPENING OF AN INTERNATIONAL SELECTION TENDER PROCEDURE FOR DOCTORATE HIRING

1. LIP opens a call for an Assistant Researcher for participation in the projects AUGER and SNO+, under the funding - LIP/50007, with the financial support of FCT/MCTES, through national funds and COMPETE 2020 – Programa Operacional Competitividade e Internacionalização (POCI) - Ref: POCI-01-0145-FEDER-007334, under the following conditions.

2. Scientific Research Field: Physics

3. Application Requirements:

The candidates for the position should have a PhD in experimental particle physics and a clear demonstration of the ability to carry out a research program. The main focus of this position within the SNO+ team will be on antineutrino physics studies: finalizing and publishing ongoing studies on neutron detection efficiency and antineutrino search with the SNO+ water phase data; carrying out a first analysis of the upcoming data with liquid scintillator. Participation in the DUNE experiment neutron calibration system design is also expected.

Concerning the position within the AUGER team, the main focus will be the study of hadronic interactions of high energy cosmic rays with the Earth atmosphere. A participation in the analysis of the MARTA array data is also expected.

The successful candidate should also be available to give classes in one of the universities with whom LIP collaborates.

4. Legislation: The contract will be written according to the Portuguese legislation (Law 7/2009, 12 February (Labour Code) and its amendments).
5. Place of work: Research activities will be developed at LIP-Lisbon Facilities and at CERN.

6. Duration: The position will have the duration of 12 months, beginning on December 2018 (fixed-term employment contracts, according to Art. 140 (2) g) - Law 7 /2009, 12 February (Labour Code) and its amendments).
7. Monthly Amount: The gross salary (before any tax deduction) will be 3.191,82 Euros per month.
8. Selection methods: Curriculum Evaluation and Interview. The evaluation criteria for each method is as following:
 - A. Curriculum Evaluation (Weighting: 70%)
 - A.1. Academic qualifications
 - A.2. Research Experience under the project scope
 - B. Interview (Weighting 30%)
 - B.1. Professional and behavioural skills.
9. Jury Panel: Prof. Pedro Assis, Prof. Mário Pimenta and Prof. José Maneira.
10. Form of advertising /notification of results: The final evaluation will be published through the list ordered according to final score and the successful candidates will be notified by e-mail.
11. Documents: Applications must be formalized, sending the following documents: Curriculum Vitae, Statement of research Interests, academic certificate and a letter of motivation.
12. Period of application: The Application should be submitted in pdf format between 12th and 23rd November, 2018 by e-mail to natalia@lip.pt