



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 project “Collaboration in the ATLAS Experiment at CERN”, 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 successful candidate will perform scientific work in an environment internationally competitive. The LIP ATLAS team contributes to several physics studies within the ATLAS collaboration, including Higgs physics, top quark precision measurements, exotic physics searches, and the study of the quark-gluon plasma in heavy ion collisions. In addition, the group has responsibilities on the maintenance, operation and upgrades of the TileCal hadronic calorimeter, the high level trigger system and the forward proton tagging detectors.

4. Work Plan:

The main focus of this position will be twofold: measurements of the Higgs properties with the ATLAS detector and contribution to the operation, maintenance and upgrade of the jets High Level Trigger (HLT).

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

5. Legislation: The contract will be written according to the Portuguese legislation (Law 7/2009, 12 February (Labour Code) and its amendments).

6. Place of work: Research activities will be developed at LIP-Lisbon Facilities and at CERN.
7. Duration: The position will have the duration of 12 months, beginning on 15th October, 2018 (fixed-term employment contracts, according to Art. 140 (2) g) - Law 7 /2009, 12 February (Labour Code) and its amendments).
8. Monthly Amount: The gross salary (before any tax deduction) will be 3.191,82 Euros per month.
9. 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.
10. Jury Panel: Prof. Patricia Conde Muino, Prof. Mário Pimenta and Prof. Patricia Gonçalves
11. 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.
12. Documents: Applications must be formalized, sending the following documents: Curriculum Vitae, Statement of research Interests, academic certificate and a letter of motivation.
13. Period of application: The Application should be submitted in pdf format between 27th September and 11th October, 2018 by e-mail to natalia@lip.pt