



LABORATÓRIO DE INSTRUMENTAÇÃO E FÍSICA EXPERIMENTAL DE PARTÍCULAS

LIP opens a call for a Postdoctoral Fellow for participation in the project “Collaboration in the CMS Experiment at the Large Hadron Collider at CERN”.

Job description

The call for Postdoctoral Fellow position is intended for participation in the Phase-II Upgrade of the CMS experiment for the High-Luminosity LHC under the following conditions:

1. Scientific Research Field: Physics

2. Application Requirements :

The candidates for the position should have a PhD in 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.

3. Work Plan :

Development of the barrel timing layer (BTL) of the CMS MIP Timing Detector, based on LYSO scintillating crystals, Silicon photomultipliers and dedicated ASIC electronics. The candidate will participate in the detector simulation, as well as in the operation and data analysis in test beam activities.

4. Legislation: A fellowship contract will be celebrated according to the “Regulations for Research Grants of the Foundation for Science and Technology” in force, (<https://www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT.pdf>), and to the Status of Scientific Research Fellow (Lei nº 40/2004 de 18 de Agosto, and its successive amendments).

5. Duration: The fellowship has the duration of twelve months, with a starting date in January 2019.

6. Amount: The monthly amount of the grant 1495.00€ is in accordance with the values stipulated in the “Regulations for Advanced Training and Qualification of Human Resources” of FCT in force. <http://www.fct.pt/apoios/bolsas/valores>. This amount will be paid on a monthly basis through a bank transfer to the grant holder's bank account.

7. Place of work: Research activities will be developed at LIP-Lisbon Facilities and at CERN.

8. Selection methods : Curriculum Evaluation and Interview. The evaluation criteria for each method is as following:

A. Curriculum Evaluation (Weighting: 70%)



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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. João Varela, Prof. Mário Pimenta and Dr. Michele Gallinaro

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, necessarily, by an application letter attaching the following documents: Curriculum Vitae, two reference letters and academic certificate.

12. Period of application : The Application should be submitted in pdf format until 2 December 2018 by e-mail to natalia@lip.pt