



LABORATÓRIO DE INSTRUMENTAÇÃO E FÍSICA EXPERIMENTAL DE PARTÍCULAS

ANNOUNCEMENT FOR THE OPENING OF A RESEARCH FELLOWSHIPS (GRADUATED STUDENT)

Job:

Research Student Fellowships (Graduated Student)

Job/Fellowship Reference: Research Student Fellowships (Graduated Student) for participation in the projects “Collaboration in the operation and physics data analysis at the CMS experiment at CERN” Ref. CERN/FIS-PAR/0025/2019

Job summary:

LIP is selecting candidates for two Research Student Fellowships (Graduated Student) for participation in the projects “Collaboration in the operation and physics data analysis at the CMS experiment at CERN” Ref. CERN/FISPAR/0025/2019, funded by FCT/MCTES with national funds through the State Budget (OE).

Job description:

LIP is selecting candidates for two Research Student Fellowships (“Bolsa de Investigação”, BI Licenciado) for participation in the projects “Collaboration in the operation and physics data analysis at the CMS experiment at CERN” Ref. CERN/FISPAR/0025/2019, funded by FCT/MCTES with national funds through the State Budget (OE), under the following conditions:

Requirements:

The candidates must have a degree in Physics or Physical Engineering and be enrolled in a course granting a higher academic degree or in a non-academic degree course as mentioned in “Regulations for Research Grants of the Foundation for Science and Technology”. They also should provide a clear demonstration of the ability to carry out a research program, be available to travel to CERN.

Work Plan:

Participation in the data analysis of the full dataset available with the goal of fully exploiting the discovery opportunities offered by the LHC in the search for New Physics and participation in the Upgrade of the CMS experiment in the High-Luminosity phase of the LHC (HL-LHC).

The successful candidates will participate in the data analysis and detector upgrade activities in Lisbon. The activities will be carried in the frame of the activities of one of the outstanding research groups in High-Energy Physics in Portugal. Citing the Report of the recent Institutional Evaluation performed by an international review panel nominated by FCT: “The LIP-CMS group, while small in size, is really outstanding and world-class ... this is a remarkable achievement for such a small group.”

Applicable Legislation: A fellowship contract will be celebrated according to the “Regulations for Research Grants of the Foundation for Science and Technology” in force, (<https://dre.pt/application/conteudo/127238533>) and to the Status of Scientific Research Fellow (Law n°. 40/2004 of 18 of August, and its successive amendments). The selected candidate must provide the

recognition of the degree when signing the contract. Candidates who were already awarded a similar FCT fellowship are not eligible.

Duration: 3 months, starting in May 2021, eventually renewable following the regulations of FCT and the duration of the project.

Amount of the fellowship: The amount will follow the reference table for FCT fellowships in Portugal, 835,98 Euros, <https://www.fct.pt/apoios/bolsas/valores.phtml.pt>. This amount will be paid on a monthly basis through a bank transfer to the grant holder's bank account.

Place of work: Research activities will be developed at the LIP-Lisbon facility.

Evaluation criteria: The selection will consider the applicant's Curriculum Vitae (50%), and its relevance to project needs (50%). If none of the candidates fullfills the appropriate profile, the scholarship will not be awarded.

Evaluation Panel: Prof. João Varela, Dr. Michele Gallinaro and Dr. Nuno Leonardo.

Advertising / notification of results: The results of the first step of the evaluation will be communicated through a list sorting the candidates according to their attributed mark, by e-mail; in case of disagreement, the candidates have a period of 10 working days to contest the decision, as provided for in the Code of Administrative Procedure in a preliminary hearing. At the end of this period, the arguments presented will be analysed by the jury committee, which will simultaneously communicate the final decision to all the candidates who submitted allegations. The final results of the shortlisted applicants will be communicated by e-mail. In case of disagreement, the candidates have a period of 15 working days to contest the decision.

Documents: Applications must be formalized by an application letter attaching the following documents: Curriculum Vitae, two reference letters and academic certificate including the marks in all the courses at the University.

Period of application: The application should be submitted in pdf format from 29th march to 12th april, 2021 by e-mail to ofelia@lip.pt

Contact:

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