

EURAXESS

Research Student Fellowship (BI – Master) - CMS group

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20 Jul 2023

Job Information

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|---|---|
| Organisation/Company | LIP - Laboratório de Instrumentação e Física Experimental de Partículas |
| Department | LISBON |
| Research Field | Physics |
| Researcher Profile | First Stage Researcher (R1) |
| Country | Portugal |
| Application Deadline | 10 Aug 2023 - 17:00 (Europe/Lisbon) |
| Type of Contract | Temporary |
| Job Status | Full-time |
| Hours Per Week | 35 |
| Offer Starting Date | 1 Sep 2023 |
| Is the job funded through the EU Research Framework Programme? | Not funded by an EU programme |

Reference Number PTDC/FIS-PAR/1214/2021

Is the Job related to staff position within a Research Infrastructure? No

Offer Description

LIP opens a call for selection of fellows for one **Research Student Fellowship (BI Master)** for participation in the project “Precision timing with forward protons at the HL-LHC” Ref. PTDC/FIS-PAR/1214/2021, funded by FCT/MCTES with national funds through the State Budget (OE).

Work plan:

The work plan will be carried out in the framework of the activities of the LIP group in the CMS experiment, one of the outstanding research groups in High Energy Physics in Portugal. The LIP-CMS group is involved with a leading role in data analysis (Top, B, quarkonium, heavy ions, SUSY, exclusive production, and Higgs) and in the HL-LHC detector upgrades for Phase2 (ECAL, MTD, PPS). At LIP, we operate a Tier-2 computer center, provide resources for data analysis both locally and as a part of the CMS computing grid.

The successful candidate will participate in the development of high-performance timing detectors for the CMS forward proton spectrometer, PPS. The successful candidate will also participate 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. The activity is centered on Run2 data and preparation for a leading contribution in the LHC Run3 data analyses.

Legislation:

A fellowship contract will be established according to the “Regulations for Research Grants of the Foundation for Science and Technology” (<https://files.dre.pt/2s/2019/12/241000000/0009100105.pdf>) and to the Status of Scientific Research Fellow (Law n° 40/2004, August 18th, and its successive amendments).

Duration:

The fellowship has a duration of 12 months, eventually renewable until the end of the project, with a foreseen starting date on September 1, 2023.

Applicants should submit: a motivation letter, curriculum vitae, two reference letters, Bachelor and Master diplomas and a list and grades of university courses and other relevant documents, as a PDF file, by email to ofelia@lip.pt and natalia@lip.pt

Requirements

Research Field Physics

Education Level Master Degree or equivalent

Skills/Qualifications

The candidates should provide a clear demonstration of the ability to carry out a research program.

Languages ENGLISH

Level Excellent

Research Field Physics

Years of Research Experience 1 - 4

Additional Information

Benefits

The monthly amount of 1199,64€ is in accordance with the values stipulated in the “FCT Regulation for Research Studentships and Fellowships”:

https://www.fct.pt/wp-content/uploads/2023/02/Tabela-de-Valores-SMM_2023.pdf

This amount will be paid on a monthly basis through a bank transfer to the grant holder's bank account.

Other components, such as installation or travel support, if applicable, will be paid according to the same rules.

Eligibility criteria

Applicants should fulfill the requirements to join a course granting a higher academic degree (PhD) or in a non-academic degree course, as stipulated in the “Regulations for Research Grants of the Foundation for Science and Technology” (Article 6).

When signing the contract, the candidate must present a proof of enrollment in the course granting, or not, a higher academic degree.

In the event of the degree was awarded by a foreign higher education institution, the degree must comply with the provisions of the Decree-Law n.º 66/2018, of 16 August (<https://www.dges.gov.pt/en/pagina/degree-and-diploma-recognition?plid=1...>). The selected candidate must provide the recognition of the degree when signing the contract.

Selection process

The members of the jury will take into consideration the CV (50%) and the research experience in the required field (50%). If none of the candidates fulfills the appropriate profile, the scholarship will not be awarded.

Members of the Jury:

- Prof. João Varela (LIP/IST)
- Prof. Patrícia Gonçalves (LIP/IST)
- Dr. Michele Gallinaro (LIP/IST)
- Dr. Jonathan Hollar (LIP)

Advertising / notification of results:

The results of the evaluation will be communicated by email; 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, who 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.

Additional comments

LIP actively promotes a non-discrimination and equal access policy, wherefore no candidate can be privileged, benefited, impaired or deprived of any rights whatsoever, or be exempt of any duties based on their ancestry, age, sex, sexual preference, marital status, family and economic conditions, instruction, origin or social conditions, genetic heritage, reduced work capacity, disability, chronic illness, nationality, ethnic origin or race, origin territory, language, religion, political or ideological convictions and union membership.

Website for additional job details

<https://www.lip.pt/?section=about&page=recruitment>
<https://www.lip.pt/?section=research&page=research-group-details&details=projec...>

Work Location(s)

Number of offers available 1

Company/Institute LIP - Laboratório de Instrumentação e Física Experimental de Partículas

Country Portugal
City Lisbon
Postal Code 1649-003
Geofield



Where to apply

E-mail ofelia@lip.pt

Contact

City LISBON
Website <http://www.lip.pt>
Street Av. Prof. Gama Pinto, nº 2
Postal Code 1649-003
E-Mail natalia@lip.pt