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Job offer

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[LIP - Laboratório de Instrumentação e Física Experimental de Partículas](#) | Posted on: 25 October 2024

RESEARCH FELLOWSHIP (BI-Mestre)

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25 Oct 2024

Job Information

Organisation/Company	LIP - Laboratório de Instrumentação e Física Experimental de Partículas
Department	Coimbra
Research Field	Physics » Applied physics
Researcher Profile	First Stage Researcher (R1)
Positions	PhD Positions
Country	Portugal
Application Deadline	8 Nov 2024 - 17:00 (Europe/Lisbon)
Type of Contract	Temporary
Job Status	Full-time
Hours Per Week	35
Offer Starting Date	1 Dec 2024
Is the job funded through the EU Research Framework Programme?	Not funded by a EU programme
Reference Number	2024.06584.CERN
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 Fellowship (BI-Mestre) for participation in the project "ATLAS Experiment Upgrade", reference 2024.06584.CERN, funded by the program "Call for IC&DT Projects: Co-operation between Portugal and CERN" (RE-C06-i06—"Ciência Mais Capacitação" do PRR).

Work plan:

The successful candidate will contribute to the development of a prospective physics analysis directed at the High-Luminosity LHC (HL-LHC), to determine the experimental sensitivity for the observation of the associated production of a pair of top quarks and a pair of Higgs bosons (ttHH) with the upgraded ATLAS experiment. It is expected that this experimental channel will prove determinant to the measurement of the Higgs boson self-coupling, therefore maximizing the physics outcomes of the ongoing upgrade of the ATLAS experiment, facilitated by this Project.

Scientific orientation: Ricardo Gonalo

Legislation:

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

Duration:

The fellowship has a duration of **six months**, eventually renewable until the end of the project, with a foreseen starting date on **December 1st, 2024**. The fellowship may eventually be renewed, until the maximum foreseen in the project and according to the terms of the FCT regulations.

The working plan will be carried out at LIP-Coimbra, under the supervision of Prof. Ricardo Gonalo

Application:

Applicants should submit: a motivation letter and a curriculum vitae (both in English), Master certificate including the list of classifications obtained in the different curricular units, and other relevant documents, as a PDF file, by email to bolsas@coimbra.lip.pt.

Where to apply

E-mail bolsas@coimbra.lip.pt

Requirements

Research Field Physics » Applied physics
Education Level Master Degree or equivalent

Skills/Qualifications

Master Degree in Physics, Physics Engineering or equivalent

Specific Requirements

Preference criteria:

Fluent in English. Experience in real or simulated data analysis in the software environment of the ATLAS LHC experience.

Languages ENGLISH

Level Good

Research Field Physics » Applied physics

Additional Information

Benefits

The monthly amount of **1.259,64**, is in accordance with the values stipulated in the “FCT Regulation for Research Studentships and Fellowships”:

https://www.fct.pt/wp-content/uploads/2024/02/Tabela-de-Valores-SMM_atualizacao-2024.pdf

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

Eligibility criteria

Applicants should fulfil 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 contracting, it will also be necessary the candidate 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 nº. 66/2018, of 16 august (<https://www.dges.gov.pt/en/pagina/degree-and-diploma-recognition?plid=1536>). The selected candidate must provide the recognition of the degree when signing the contract.

Selection process

Evaluation:

The members of the jury will take into consideration the CV (50%) and its relevance to project needs (50%).

If none of the candidates fulfills the appropriate profile, the scholarship will not be awarded.

Members of the Jury:

Effective

- Ricardo Gonçalves (president)
- Patricia Conde
- Alexandre Lindote

Alternates

- Agostinho Gomes
- Rute Pedro

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>

Work Location(s)

Number of offers available	1
Company/Institute	LIP - Coimbra
Country	Portugal
State/Province	Coimbra
City	Coimbra

Postal Code 3004-516

Street Departamento de Física da Universidade de Coimbra, Rua Larga, 3004-516, Coimbra

Contact

City Coimbra

Website <http://www.lip.pt>

Street Departamento de Física da Universidade de Coimbra, Rua Larga

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