



EURAXESS

Research Student Fellowship (BI – Bachelor)

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11 May 2023

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)
Country	Portugal
Application Deadline	24 May 2023 - 17:00 (Europe/Lisbon)
Type of Contract	Temporary
Job Status	Full-time
Hours Per Week	35
Offer Starting Date	1 Jun 2023
Is the job funded through the EU Research Framework Programme?	Not funded by an EU programme
Reference Number	CERN/FIS-PAR/0026/2021
Is the Job related to staff position within a Research Infrastructure?	No

Offer Description

LIP opens a call for selection of fellows for a Research Student Fellowship (BI – Bachelor) for participation in the project “ATLAS Upgrade”, reference CERN/FIS-PAR/0026/2021, funded by FCT/MCTES through national funds (State Budget – OE).

Work plan:

The work plan will be carried out in the context of the activities of the ATLAS group at LIP, namely in the study of the W boson pair production via the triple-gauge-coupling. The project consists in the development of analyses algorithms based on Monte Carlo and machine learning techniques. This project is particularly relevant as an initial exploration of this kind of algorithms for the identification of new physics events, that can be parameterized through EFT, at the LHC or at future accelerators.

Legislation:

The fellowship contract will be established according to the Status of Scientific Research Fellow (Law n° 40/2004, August 18th, and its successive amendments) and to the “Regulations for Research Grants of the Foundation for Science and Technology” (<https://dre.pt/application/conteudo/127238533>)

Duration:

The fellowship has a duration of 3 months, with a foreseen starting date on 1st June 2023. 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 and LIP-Lisbon, under the supervision of Ricardo Gonalo (FCTUC) and Filipe Veloso (LIP).

Application:

Applicants should submit: a motivation letter and a curriculum vitae (both in English), Bachelor certificate and 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.

Requirements

Research Field Physics » Applied physics

Education Level Bachelor Degree or equivalent

Skills/Qualifications

The candidate must have a degree in Physics or Physical Engineering and must 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”.

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

Specific Requirements

Requirements:

Degree in Physics Engineering, Physics or equivalent.

Preference criteria:

Demonstrable knowledge of programming, machine learning and physics. Knowledge on MadGraph and Key4HEP programs will also be favoured.

Languages ENGLISH

Level Good

Research Field Physics

Additional Information

Benefits

The monthly amount of 930,98€, 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_202...

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 (Master) 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 enrolment 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

Applicants should submit:

- Motivation letter (in English);
- Detailed curriculum vitae (in English);
- Bachelor certificate with a list and grades of the university courses;
- Copy of the Certificate of enrollment
- Other relevant documents for the evaluation;

to bolsas@coimbra.lip.pt, referring the job offer ID in the email subject.

Evaluation:

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

Members of the Jury:

Effective

- Inês Ochoa
- Filipe Veloso
- Ricardo Gonalo

Alternates

- Patrícia Conde

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 analyzed 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.

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-Portugal

Country

Portugal

City

Coimbra

Postal Code

3004-516

Street

Rua Larga, Depto Fisica Univ.Coimbra

Where to apply

E-mail

bolsas@coimbra.lip.pt

Contact

City

Coimbra

Website

<http://www.lip.pt>

Street

Departamento de Física da Universidade de Coimbra, Rua Larga

Postal Code

3004-516

E-Mail

seclip@coimbra.lip.pt

Phone

239833465