27/07/2022

Research Student Fellowship (BI – Bachelor)

Where to apply

Application Deadline: 19/08/2022 17:00 - Europe/London

Contact Details

Where to send your application.

COMPANY LIP - Laboratório de Instrumentação e Física Experimental de Partículas

E-MAIL
bolsas@coimbra.lip.pt

Hiring/Funding Organisation/Institute

ORGANISATION/COMPANY
LIP - Laboratório de Instrumentação e Física Experimental de Partículas

DEPARTMENT
Coimbra

ORGANISATION TYPE
Research Laboratory

WEBSITE
http://www.coimbra.lip.pt

E-MAIL
seclip@coimbra.lip.pt

COUNTRY
Portugal

CITY
Coimbra

POSTAL CODE
3004-516

STREET
Departamento de Física da Universidade de Coimbra, Rua Larga

PHONE
(+351)239833465

ORGANISATION/COMPANY
LIP - Laboratório de Instrumentação e Física Experimental de Partículas

RESEARCH FIELD
Physics

RESEARCHER PROFILE
First Stage Researcher (R1)

APPLICATION DEADLINE
19/08/2022 17:00 - Europe/London

LOCATION
Portugal › Coimbra

TYPE OF CONTRACT
Temporary

JOB STATUS
Full-time

HOURS PER WEEK
35

OFFER STARTING DATE

01/09/2022

REFERENCE NUMBER
CERN/FIS-INS/0006/2021

OFFER DESCRIPTION

LIP opens a call for selection of a fellow for one Research Student Fellowship (BI-Bachelor) for participation in the project " Advances in RPC technology targeting experiments at CERN"–refª. CERN/FIS-INS/0006/2021 funded by FCT/MCTES through national funds (State Budget – OE.

Work plan:

The candidate will be integrated in Task 1 Sub-Task 1.1 "Development of ultra-low gas comsumption and sealed RPCs" of the above project. This consists in the study of ultra-low gas consumption Resistive Plate Chambers and more specifically in large area chambers (~2 m²) encapsulated in polypropylene plastic boxes. Relevant parameters of the chambers (detection efficiency, shape of the charge spectrum) will be monitored to evaluate the performance of the chambers. Based on these parameters different modifications of the chamber structure will be experimented in view of the possible decrease of the operating gas flow.

The candidate will be in charge of the experimental measurements, implementation of the structural modifications and subsequent data analysis.

Scientific supervision: Alberto Blanco

Legislation:

The fellowship contract will be established according to the Status of Scientific Research Fellow (Law nº 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 12 months, with a foreseen starting date on September 2022. 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 Dr. Alberto Blanco .

Application:

Applicants should submit: A motivation letter and a curriculum vitae; Bachelor 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

The candidate must have a degree in 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".

More Information

ADDITIONAL INFORMATION

Benefits

The monthly amount of 875,98€, is in accordance with the values stipulated in the "FCT Regulation for Research Studentships and Fellowships": https://www.fct.pt/apoios/bolsas/docs/Tabela_de_Valores_SMM_2022.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 (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 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 candidate's motivation letter and CV (50%) and the research experience in the corresponding field (50%).
High-ranking candidates might be called for an interview, and the final decision will be based on the interview score alone.
If none of the candidates fulfills the appropriate profile, the scholarship will not be awarded.
Members of the Jury:
Effective:
Alberto Blanco
Sofia Andringa
Isabel Lopes

Alternates:
Luis Margato
Francisco Neves
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.

Web site for additional job details

https://www.lip.pt/?section=about&page=recruitment

REQUIREMENTS

Offer Requirements

REQUIRED EDUCATION LEVEL
Physics: Bachelor Degree or equivalent

REQUIRED LANGUAGES
ENGLISH: Good

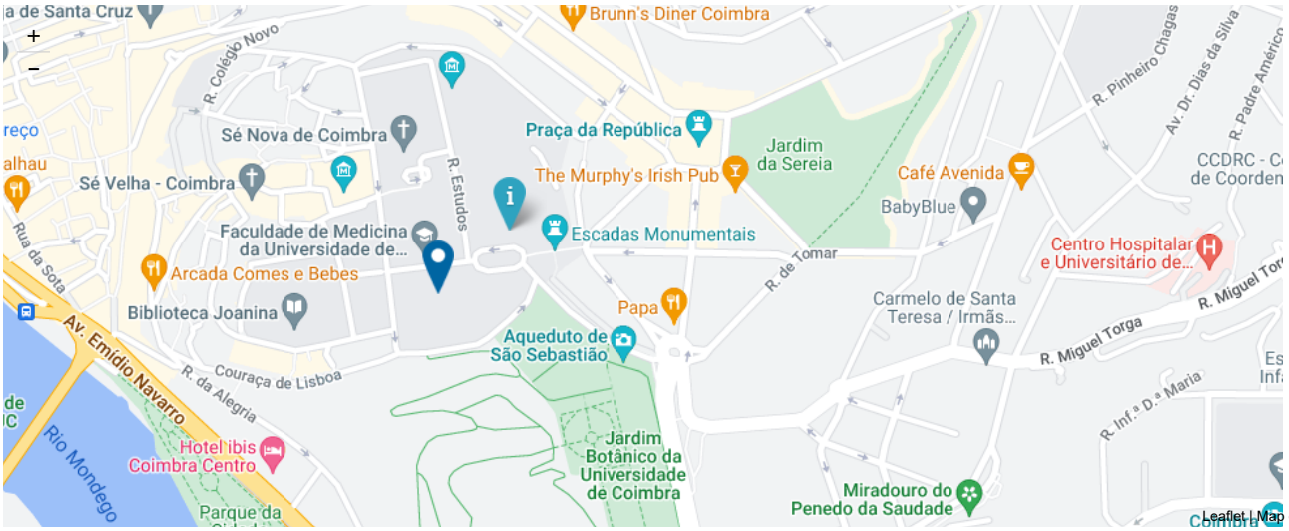
Skills/Qualifications

Requirements:
Degree in Physics Engineering plus first year of MsC
Experience in debugging detection and electronic systems

Specific Requirements

Preference criteria:
Experience with detection systems based on RPC technology.
Experience in data analysis with Matlab.
Fluent in English.
At least 6 months of experimental activity as part of a research group in experimental physics

Map Information



Job Work Location Personal Assistance locations

WORK LOCATION(S)

1 position(s) available at
LIP Coimbra-Portugal
Portugal
Coimbra
3004-516
Rua Larga, Depto Fisica Univ.Coimbra

EURAXESS offer ID: 819082

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