

# Job offer

JOB PORTUGAL

LIP - Laboratório de Instrumentação e Física Experimental de Partículas | Posted on: 31 October 2024

## Research Student Fellowship (BI – Bachelor) - SND

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31 Oct 2024

## Job Information

<b>Organisation/Company</b>	LIP - Laboratório de Instrumentação e Física Experimental de Partículas
<b>Department</b>	LISBON
<b>Research Field</b>	Physics
<b>Researcher Profile</b>	First Stage Researcher (R1)
<b>Positions</b>	Bachelor Positions
<b>Country</b>	Portugal
<b>Application Deadline</b>	15 Nov 2024 - 17:00 (Europe/Lisbon)
<b>Type of Contract</b>	Temporary
<b>Job Status</b>	Full-time
<b>Hours Per Week</b>	35
<b>Offer Starting Date</b>	1 Dec 2024
<b>Is the job funded through the EU Research Framework Programme?</b>	European Union / Next Generation EU
<b>Reference Number</b>	2024.00238.CERN
<b>Is the Job related to staff position within a Research Infrastructure?</b>	No

# Offer Description

LIP opens a call for selection of fellows for one **Research Student Fellowship (BI Bachelor)** for participation in the project “Collaboration in the operation and physics data analysis at the CMS experiment at CERN”, project submitted in the framework of the Call for SR&TD Projects: Cooperation between Portugal and CERN, Ref. 2024.00238.CERN, funded by the Investment RE-C06-i06 – “Science Plus Training” - PRR

**Work plan:** The work plan involves simulation and analysis of data collected at the LHC during the current Run3. The exploration of dimuon channels will be advanced, towards the search for beyond standard model signatures. The successful candidate will take part in detector commissioning and analysis of LHC Run3 data.

**Legislation:** A fellowship contract will be established according to the “Regulations for Research Grants of the Foundation for Science and Technology” (<https://dre.pt/application/conteudo/127238533>) 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 6 months with a foreseen starting date by December 2024, eventually renewable. The fellowship may eventually be renewed, until the maximum foreseen in the project and according to the terms of the FCT regulations.

Applicants should submit: a motivation letter, curriculum vitae, two reference letters, Bachelor certificate and a list and grades of university courses and other relevant documents, as a PDF file, by email to [vanda@lip.pt](mailto:vanda@lip.pt) and [natalia@lip.pt](mailto:natalia@lip.pt)

## Where to apply

E-mail [natalia@lip.pt](mailto:natalia@lip.pt)

## Requirements

Research Field Physics

Education Level Bachelor Degree or equivalent

### Skills/Qualifications

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

### Specific Requirements

Familiarity with C++, python, root, machine learning is welcome. Some initial experience with the software framework of the experiment would be welcome.

Languages ENGLISH

Level Excellent

Research Field Physics

## Additional Information

### Benefits

The monthly amount of 990,98€ 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](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 (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 n° 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 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:

- Dr. Alberto Blanco (LIP)
- Profª. Paula Bordalo (LIP)
- Dr. Cristovão Vilela (LIP)

- Dr. Nuno Leonardo (LIP and IST)
- Profª. Patrícia Gonçalves (LIP and IST)

#### 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 email. 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 - Laboratório de Instrumentação e Física Experimental de Partículas
Country	Portugal
State/Province	LISBON
City	LISBON
Geofield	



## Contact

City	LISBON
Website	<a href="http://www.lip.pt">http://www.lip.pt</a>
Street	Av. Prof. Gama Pinto, nº 2
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E-Mail	natalia@lip.pt

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