

# Job offer

JOB PORTUGAL

LIP - Laboratório de Instrumentação e Física Experimental de Partículas | Posted on: 21 November 2024

## Research Student Fellowship (BI – Master) - CMS Group

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21 Nov 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>	PhD Positions
<b>Country</b>	Portugal
<b>Application Deadline</b>	6 Dec 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 Jan 2025
<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 Master)** 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 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 (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 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 LIP and FCT (<https://files.diariodarepublica.pt/2s/2019/12/241000000/0009100105.pdf>) and to the Status of Scientific Research Fellow (Law nº 40/2004, August 18th, and its successive amendments).

## Duration:

The fellowship has a duration of 10 months, with a foreseen starting date on January 1, 2025.

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 [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 [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 1259,64€ 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\\_atu...](https://www.fct.pt/wp-content/uploads/2024/02/Tabela-de-Valores-SMM_atu...)

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 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 nº. 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

#### 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:

- Prof. João Varela (LIP and IST)
- Dr. Jonathan Hollar (LIP)
- Dr. Michele Gallinaro (LIP and IST)
- Prof. 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 e-mail. In case of disagreement, the candidates have a period of 15 working days to contest the decision.

#### Additional comments

**Non-discrimination and equal access policy:** 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.

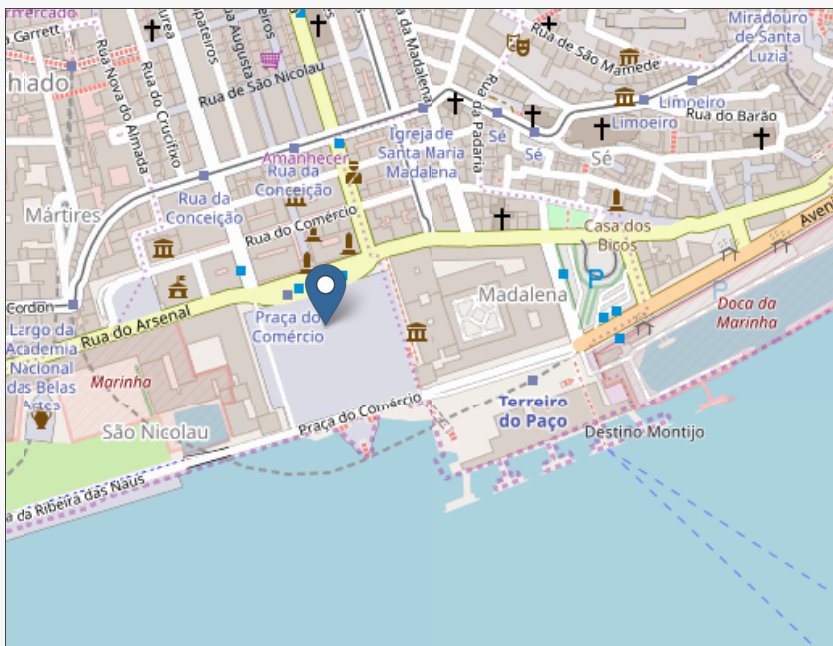
#### Website for additional job details

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

<https://www.lip.pt/?lang=en&section=research&page=research-group-details&detail...>

## 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
Postal Code	1649-003
Geofield	



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## Contact

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