

# Job offer

JOB PORTUGAL

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

## JUNIOR RESEARCHER - 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>	Recognised Researcher (R2)
<b>Positions</b>	Postdoc 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>	2024.01191.CERN
<b>Is the Job related to staff position within a Research Infrastructure?</b>	No

# Offer Description

The Laboratory of instrumentation and Experimental Particle Physics (LIP) is opening a selection tender for one vacancy for doctorate - **Junior Researcher** - to perform research in the scientific area of Particle Physics for participation in the project "Collaboration in the HL-LHC Upgrade of the CMS experiment at CERN" project submitted in the framework of the Call for SR&TD Projects: Cooperation between Portugal and CERN, Ref. 2024.01191.CERN, funded by the Investment RE-C06-i06 – "Science Plus Training" - PRR.

The candidate will be hired under a **non-fixed term work contract** (duration foreseen until September 2025), pursuant to the dispositions of articles 6( 1) b)) and 7 of the Decree-Law no. 57/2016 of 29th August, updated by the Law nº 57/2017, of 19th July and to the Labour Code, under its current reading.

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 (ECAL, 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 development of high-performance timing detectors for the CMS forward proton spectrometer, PPS. The activity includes contribution on studies of Run2 data and preparation for a leading contribution in the LHC Run3 data analyses.

The recruited candidate will integrate a research team and a collegial and collaborative environment.

The candidate should have a PhD in Physics and provide a clear demonstration of the ability to carry out an independent research program. The successful candidate will perform scientific work in an internationally competitive environment.

Candidates can apply by sending the following documentation:

- a) Motivation letter
- b) Detailed Curriculum Vitae
- c) Certificate or diploma copy, including recognition of foreign diploma, if applicable.
- d) Contacts of three references who have supervised or worked directly with the candidate
- e) Other documents the candidate considers relevant for their application

Applications should be sent as pdf files to the email address [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** PhD or equivalent

### Skills/Qualifications

The candidate should have a PhD in Physics and provide a clear demonstration of the ability to carry out an independent research program. The successful candidate will perform scientific work in an internationally competitive environment

### Specific Requirements

The successful candidate is expected to play a major role in the analysis effort.

**Languages** ENGLISH

**Level** Excellent

**Research Field** Physics

**Years of Research Experience** 4 - 10

## Additional Information

### Benefits

Gross monthly remuneration (before tax and social security contributions) starts at **2294,95 €/month**, as defined by article 15 (1) of the Law nº 57/2016 of 29th August updated by the law 57/2017, of 19th July, corresponding to level 33 of the Single Salary Table.

### Eligibility criteria

Any national, foreign, or stateless candidates who hold an academic or professional curriculum whose profile is suited for the activity to be performed can submit their applications.

All candidates who formalize their applications in an improper way or fail to prove the requirements imposed by this tender are excluded from admission. In

case of doubt, the panel is entitled to present further documentation supporting his/her statements. False statements provided by the candidates shall be punished by law.

In the event the doctorate degree was awarded by a foreign higher education institution, the degree must comply with the provisions of Decree-Law no. 341/2007 of 12th October by the application deadline.

### Selection process

Pursuant to article 13 of RJEC, the tender selection panel shall be formed by:

- Prof. João Varela (LIP and IST)
- Dr. Alessio Boletti (LIP)
- Dr. Michele Gallinaro (LIP and IST)
- Prof. Patricia Goncalves (LIP and IST)

As stipulated in article 5 of RJEC, the selection is based on the evaluation of the scientific and curricular career of the candidates admissible. The evaluation focuses on the relevance and quality of:

1. Scientific output and research activities in the last 5 years deemed most relevant by the candidate;
2. Knowledge extension and dissemination activities, namely under the scope of the promotion of culture and scientific practices, in the last 5 years, deemed most relevant by the candidate.

The five-year period mentioned above can be extended by the panel, if requested by the candidate, whenever the suspension of scientific activities is reasoned by socially protected grounds, like paternity/maternity leave, long-term serious illness, and other legal situations of unavailability to work.

Evaluation criteria are the following:

Evaluation of the CV and motivation letter of the candidates, namely their scientific merit and research capabilities as demonstrated by the diffusion of the scientific results achieved and by the participation in research projects in scientific fields relevant for the proposed work program.

Each member of the panel will value the criteria for each candidate, taking into account the requirements of the duties to be performed, the adequacy of previous experience, his/her relationship to the relevant areas and sub-areas.

The selection will consider the applicant's Curriculum Vitae (50%) and their research experience (50%).

High-ranking candidates might be called for an interview.

After applying the selection criteria, the panel will prepare an ordered list of the approved candidates and their corresponding classification. In case none of the candidates can demonstrate suitable skills or background, the panel will not select any candidate.

The panel's final decision is validated by the head of the institution, who is also responsible for the hiring.

Both the admitted and excluded candidate list and the final classification list shall be sent by email to all candidates.

Preliminary Hearing and Final Decision Deadline: Pursuant to article 121 of the Administrative Procedure Code, all candidates have 10 working days to respond upon notification. Panel's final decisions are pronounced within a period of 90 days from the application deadline.

### Additional comments

#### Applicable Legislation:

- Decree-Law no. 57/2016 of 29th August, which approved the doctorate hiring regime destined to stimulate scientific and technological employment for all knowledge areas (RJEC), updated by the Law nº 57/2017, of 19th July.
- Labour Code approved by Law no. 7/2009 of 12th February, under its current reading
- Regulatory Decree nº 11-A/2017, of 29th December.

This tender is exclusively meant to fill the vacancies and can be terminated at any time until approval of final candidate list, and expires with the respective occupation of said vacancies.

**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.


Pursuant to article 3 (3) of Decree-Law no. 29/2001 of 3 February, disabled candidates shall be preferred in a situation of equal classification, and said preference supersedes any legal preferences. Candidates must declare, on their honour, their respective disability degree, type of disability and communication/expression means to be used during selection period on their application form, under the regulations above.

Website for additional job details

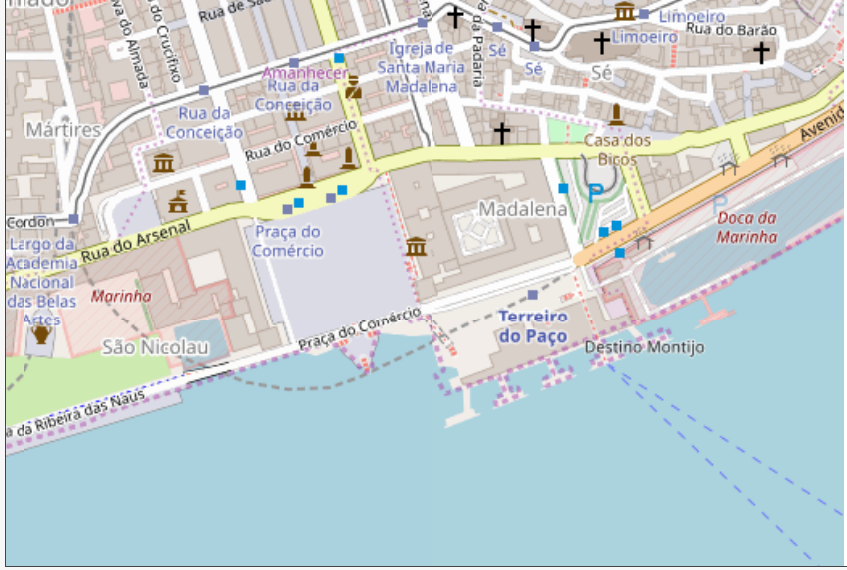
<https://www.lip.pt/?section=about&page=recruitment>

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## 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	





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## Contact

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