

EURAXESS

Research Student Fellowship (BI – Master) - YoctoLHC project

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17 May 2024

Job Information

Organisation/Company	LIP - Laboratório de Instrumentação e Física Experimental de Partículas
Department	LISBON
Research Field	Physics » Applied physics
Researcher Profile	First Stage Researcher (R1)
Country	Portugal
Application Deadline	31 May 2024 - 17:00 (Europe/Lisbon)
Type of Contract	Other
Job Status	Full-time
Hours Per Week	35
Offer Starting Date	3 Jun 2024
Is the job funded through the EU Research Framework Programme?	H2020 / ERC
Reference Number	ERC-2018-ADG (reference 835105)
Is the Job related to staff position within a Research Infrastructure?	No

Offer Description

LIP opens a call for a **Research Student Fellowship (BI – Master)** for participation in the YoctoLHC project: Yoctosecond imaging of QCD collectivity using jet observables” funded by the European Research Council (ERC) in the Horizon 2020 program (ERC-2018-ADG) with reference 835105.

Work plan:

The YoctoLHC project, led by Professor Carlos Salgado from the University of Santiago de Compostela/Instituto Galego de Física de Altas Enerxias (IGFAE) and developed in partnership with the LIP Phenomenology Group and the University of Jyväskylä, aims to characterize the initial moments of plasma formation of quarks and gluons in heavy ion collisions from changes in the structure of hadronic jets.

The selected candidate will improve the description of the analytic ingredients needed to develop an in-medium parton shower of higher accuracy.

The working plan will be carried out at LIP-Lisbon under the supervision of Dr. Guilherme Milhano.

Legislation:

The fellowship contract will be established according to the “Regulations for Research Grants of the Foundation for Science and Technology” (<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 12 months, with a foreseen starting date on June 2024, eventually renewable.

Applications:

Applicants should submit: a motivation letter and a curriculum vitae (both in English), Master certificate and a including the list of classifications obtained in the different curricular units, and other relevant documents, as a PDF file, by email to natalia@ljp.pt

Requirements

Research Field	Physics
Education Level	Master Degree or equivalent

Skills/Qualifications

Demonstrable knowledge of Quantum Field Theory and Physics of Strong Interactions with particular emphasis on perturbative calculations. Competence in programming in C++ and/or Python. Previous experience in the study of jets and heavy-ions.

Specific Requirements

Previous experience in the study of jets and heavy-ions.

Languages	ENGLISH
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Level	Excellent
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Research Field	Physics
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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_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 (Doctorate) 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, the candidates will need to present a proof of enrollment in the course, in the conditions above described.

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 required field adequation (50%). If none of the candidates fulfils the appropriate profile, the scholarship will not be awarded.

Members of the Jury:

Effective

- Doutor José Guilherme Milhano
- Doutora Líliliana Apolinário
- Doutor Carlos Salgado

Alternate

- Doutora Alba Soto Ontoso
- Doutor Nuno Castro

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>

Work Location(s)

Number of offers available

1

Company/Institute

LIP - Laboratório de Instrumentação e Física Experimental de Partículas

Country

Portugal

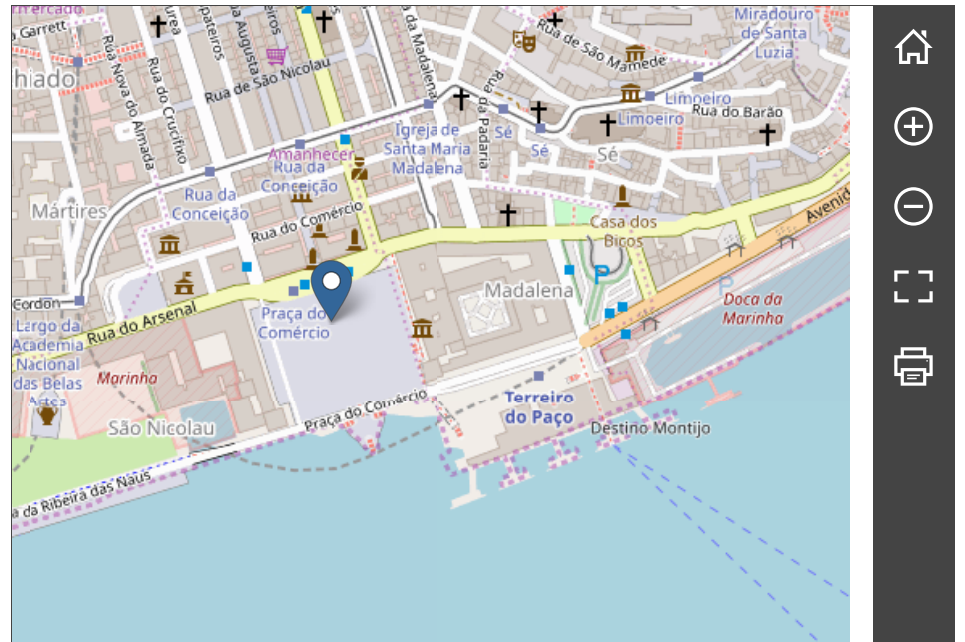
State/Province

LISBON

City

LISBON

Geofield



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Where to apply

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