08/04/2022

Research Student Fellowship (BI – Master)

Where to apply

Application Deadline: 26/04/2022 17:00 - Europe/London

Contact Details

Where to send your application.

COMPANY

LIP - Laboratório de Instrumentação e Física Experimental de Partículas

E-MAIL

ofelia@lip.pt

Hiring/Funding Organisation/Institute

ORGANISATION/COMPANY

LIP - Laboratório de Instrumentação e Física Experimental de Partículas

DEPARTMENT

LISBON

ORGANISATION TYPE

Research Laboratory

COUNTRY

Portugal

CITY

LISBON

POSTAL CODE

1649-003

STREET

Av. Prof. Gama Pinto, nº 2

ORGANISATION/COMPANY

LIP - Laboratório de Instrumentação e Física Experimental de Partículas

RESEARCH FIELD

Physics › Applied physics

RESEARCHER PROFILE

First Stage Researcher (R1)

APPLICATION DEADLINE

26/04/2022 17:00 - Europe/London

LOCATION

Portugal › LISBON

TYPE OF CONTRACT

Temporary

JOB STATUS

Full-time

HOURS PER WEEK

35

OFFER STARTING DATE

01/05/2022

REFERENCE NUMBER

BI Master - Multiquarks

OFFER DESCRIPTION

LIP opens a call for selection of fellows for one Research Student Fellowship (BI – Master) for participation in the project "The Structure of Multiquarks", reference CERN/FIS-PAR/0023/2021, funded by FCT/MCTES through national funds (State Budget – OE).

Main research field: Physics

Sub research field: QCC and Hadron Physics

Work plan:

Understanding the partonic structure of hadrons is a major goal in view of forthcoming high-energy-scattering experiments. The quantities of interest are (generalized) parton distributions, which encode the momentum, spin and orbital angular momentum distributions of quarks and gluon inside hadrons. The goal of this project is to explore a new method to calculate parton distributions using functional methods. The selected candidate will develop a code to compute hadron-to-hadron correlators, taking advantage of recent progress using contour deformations.

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 nº 40/2004 de 18 de Agosto, and its successive amendments).

Duration:

The fellowship has a duration of 3 months, eventually renewable until a maximum of 6 months, with a foreseen starting date on May 1, 2022.

Application:

Applicants should submit a curriculum vitae, diploma and a list and grades of university courses and other relevant documents, for the evaluation to ofelia@lip.pt and natalia@lip.pt

More Information

ADDITIONAL INFORMATION

Benefits

The monthly amount of 1144,64€ 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.
Other components, such as installation or travel support, if applicable, will be paid according to the same rules.

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 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 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. Gernot Eichmann, Prof. Dr. Alfred Stadler, Prof. Dr. Ana Arriaga, Prof. Dr. Guilherme Milhano, Dr. Liliana Apolinário

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.

Web site for additional job details

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

https://www.lip.pt/?section=research&page=research-group-details&details=proj...

REQUIREMENTS

Required Research Experiences

RESEARCH FIELD

Physics

YEARS OF RESEARCH EXPERIENCE

1 - 4

Offer Requirements

REQUIRED EDUCATION LEVEL

Physics: Master Degree or equivalent

REQUIRED LANGUAGES

ENGLISH: Excellent

Skills/Qualifications

The candidates should provide a clear demonstration of the ability to carry out a research

program.
Master in Physics or related areas

Specific Requirements

Requirements:
The candidate should have a solid background in Quantum Field Theory, in particular its application to QCD and Hadron Physics. The candidate should be fluent in English.
Preference criteria:
Experience in software development with C++ or Fortran90.

Map Information

Leaflet | Map data © Google

Job Work Location Personal Assistance locations

WORK LOCATION(S)

1 position(s) available at
LIP - Laboratório de
Instrumentação e Física
Experimental de Partículas
Portugal
LISBON
1649-003
Av. Prof. Gama Pinto, nº 2

EURAXESS offer ID: 770006

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