



LABORATÓRIO DE INSTRUMENTAÇÃO E FÍSICA EXPERIMENTAL DE PARTÍCULAS

The Laboratory of instrumentation and Experimental Particle Physics (LIP) is opening a selection tender for one position - Junior Researcher - to perform research in the scientific area of “Phenomenology of quarkonium production”. The candidate will be hired under a non-fixed term work contract (period foreseen of 10 months), pursuant to the dispositions of article 6 (1) (b)) and article 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. This contract will be developed in the framework of the activity 'FTE@LHC: Fixed Target Experiments at the LHC' - Project STRONG2020 “The strong interaction at the frontier of knowledge: fundamental research and applications” - Reference 824093 - Horizon 2020 Program.

Requirements: The candidate must hold a PhD degree or equivalent in the areas of Theoretical Physics or Experimental Particle Physics or Nuclear Physics or related areas. We are seeking a highly motivated researcher. Experience in quarkonium studies and QCD phenomenology would be an asset.

Work plan: Phenomenological study of quarkonium production in hadron collisions. Interpretation of existing experimental data and comparison to theory models. Expectations for the polarization of quarkonia in fixed-target (low pT) experiments.

Applicable Legislation:

- Decree-Law no. 57/2016 of 29th August, which approved the regime for hiring of doctorate holders 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.

Pursuant to article 13 of RJEC, the tender selection panel shall be formed by Professor João Seixas, Dr. Carlos Lourenço and Dr. Pietro Facioli.

Workplace will be at a LIP node in Lisbon.

Monthly remuneration to be paid is the one defined by article 15 (1) of the Law nº 57/2017, of 19th July, corresponding to level 33 of the Single Salary Table, i.e. 2.134,73 Euros.

Any national, foreign or stateless candidates who hold a doctorate degree in Physics or related scientific area and a scientific and professional curriculum whose profile is suited for the activity to be performed can submit their applications. In the event of the doctorate degree having been awarded by a foreign higher education institution, the degree must comply with the provisions of Decree-Law no. 341/2007 of 12th October.

General tender admission requirements are specified in the previous section.

Pursuant to article 5 of RJEC, selection is to be made based on the candidate's scientific and curricular career evaluation of the candidates whose application is considered admissible.

Scientific and curricular career evaluation focuses on relevance, quality and topicality:

- a) of scientific, technological production in the last five years, deemed most relevant by the candidate;
- b) of research activities, applied or based on practical work, developed in the last five years, deemed of higher impact by the candidate;
- c) of knowledge extension and dissemination activities developed in the last five years, namely under the scope of the promotion of scientific culture and practices, deemed most relevant by the candidate;
- d) of the management of science, technology and innovation programmes.

Evaluation criteria are as follows:

- a) scientific and technological production in the last five years (60%)
- b) research activities, applied or based on practical work, developed in the last five years (30%)
- c) knowledge extension and dissemination activities developed in the last five years and management of science, technology and innovation programmes (10%)

Each member of the panel will evaluate each candidate in each stated criterium, 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 final classification (CF) is stated in a zero (0) to one-hundred (100) scale and obtained according to $CF = 0,60*a) + 0,30*b) + 0,10*c)$

The panel shall deliberate by means of roll-call vote, justified under the adopted and disclosed selection criteria, with no abstentions allowed.

Minutes of panel meetings will include a summary of all occurrences of said meeting, as well as of all votes casted by the members and respective reasoning, and shall be provided to candidates whenever requested.

After selection criteria application, the panel shall prepare an ordered list of the approved candidates with corresponding classifications. The panel's final decision shall be validated by the head of the institution, who is also responsible for the hiring.

Application formalization shall be made by sending:

- Motivation letter;
- Detailed Curriculum Vitae;
- Certificate or diploma copy. Recognition of foreign diploma should also be delivered, if applicable;
- Maximum of three recommendation letters which should be sent by the referees to natalia@lip.pt, mentioning the call and name of the candidate;
- Other documentation relevant for the evaluation of qualifications in a related scientific area.

Candidates shall submit their application files and supporting documentation, in a digital form, in PDF format, via email to natalia@lip.pt. The call is open from 5th to 25th November 2020, 17:00 (Lisbon time).

All candidates who formalise 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 request any candidate to present further documentation supporting his/her statements.

False statements provided by the candidates are punished by law.

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

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

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

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.

The panel has approved this announcement in meeting held on 14th October 2020.

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.