



Experimental Physicist (EP-DI-2019-2-IC)

Geneva, Switzerland

Full-time

Company Description

The Experimental Physics Department invites applicants for the indefinite appointment of a Physicist in experimental particle physics research.

Diversity has been an integral part of CERN's mission since its foundation and is an established value of the Organization.

Job Description

Functions

- Take a leading role in all aspects of particle physics experiments, involving the conception and design of experiments, the building and operation of detectors and the analysis of data.
- Co-ordinate or make important contributions to studies, projects or committee work.
- Represent the Organization at conferences, workshops, or in other research laboratories and institutions.
- Supervise research and development work and to plan and manage activities including material and human resources.

Experience and Competencies:

- Approximately 5 to 10 years of post-doctoral experience and demonstrated excellence in experimental particle physics research; appropriate allowance for career breaks and other special circumstances will be taken into account.
- Experience in data analysis, in the use of on-line and off-line software, and competence in detector hardware.
- High capacity for innovation and potential for making a significant medium to long-term contribution to the scientific programme of the Organization.

Technical competencies:

- Physics analysis, reconstruction and simulation.
- Familiarity with modern information technology.
- Detection techniques.

Behavioural competencies:

- Setting direction.
- Leading with strength and credibility.

- Achieving results.
- Communicating effectively.
- Building relationships.
- Working in teams.
- Creating vision and strategic partnerships.

Language skills:

- Ability to draw-up technical specifications and/or scientific reports and to make oral presentations in English.
- Ability to understand and speak French in professional contexts, or the willingness to acquire it.

Qualifications

Doctorate in particle physics, or equivalent.

Additional Information

This position is of a long-term nature. The recruitment procedure consists of a highly selective process involving investigations by a special search committee and the approval of the final nomination by the Director-General.

Documents that will be required for your application:

- A Curriculum Vitae.
- A list of your 10 most important publications indicating where you have been a principal contributor or a co-author.
- A covering letter giving your research interests and plans as well as your motivation in applying for the IC post.
- Three letters of recommendation. Recommendation letters should be recent (not more than 1 year old, although they may refer to previous work).

Please note:

- You will only receive a link to request your three reference letters confidentially once you have fully submitted your application. Therefore we recommend that you allocate sufficient time to complete this step before the publication closing date.
- Our online application system only allows for alphanumeric values. An attachment may provide you with a greater freedom of expression.
- Should you have any difficulties in applying through our new system, please contact Elaine McGoogan (elaine.mcgooganatcern.ch).

Eligibility and closing date:

Employing a diverse and international workforce is a CERN core value and central to our success. Preference will be given to applicants from all Member States and Associate Member States (<http://cern.ch/jobs/content/member-states>).

This vacancy will be filled as soon as possible and applications should normally reach us no later than 31.05.2019.

Employment Conditions

Contract type: Indefinite contract.

These functions may require:

- Work in radiation areas.
- Work during nights, Sundays and official holidays.
- Interventions in underground installations.

Job grade: 6-7

Job reference: EP-DI-2019-2-IC

Benchmark Job Title: Research Physicist

Please make sure you have all the documents needed to hand as you start your application, as once it is submitted, you will not be able to upload any documents or edit your application further

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