

**Job title****EXPERIMENTAL PHYSICIST****Requesting Unit**

EP-DI

**Associated Benchmark Job**

Research Physicist

**Grade**

6-7

**Job description****Introduction**

The Experimental Physics (EP) Department carries out [research in the field of experimental particle physics](#). It aims to provide a stimulating scientific atmosphere and remains an important reference centre for the European physics community. It contributes to the education and training of young scientists.

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

**Functions**

As an Experimental Physicist, your functions will include:

- Taking a leading role in all aspects of particle physics experiments, including the conception and design of experiments, the building and operation of detectors and the analysis of data.
- Co-ordinating or making important contributions to studies, projects or committee work.
- Representing the Organization at conferences, workshops, or in other research laboratories and institutions.
- Supervising research and development work, and planning and managing activities including material and personnel resources.

**Qualifications**

Doctorate in particle physics, or equivalent.

**Experience**

**You have proven post-doctoral experience** and demonstrated excellence in experimental particle physics research.

Experience in data analysis, in the use of on-line and off-line software, and competence in detector hardware.

Capacity for innovation and potential for making a significant contribution to the scientific programme of the Organization.

**Technical competencies**

- Analysis and interpretation of experimental data.
- Knowledge and application of physics reconstruction techniques.
- Simulation, design and development of physics experiments.
- Operation of experiments.

### Behavioural competencies

- Achieving results.
- Communicating effectively.
- Building relationships.
- Working in teams.
- Setting direction.
- Leading with strength and credibility.
- 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.

### Additional information

#### Eligibility

Diversity has been an integral part of CERN's mission since its foundation and is an established value of the Organization. Employing a diverse workforce is central to our success. We welcome applications from all Member States, Associate Member States and Non-Member States. In case of equally qualified candidates, preference will be given to applicants from Member States and Associate Member States.

#### Employment conditions

Contract type: Indefinite contract.

*What kind of special conditions (working hours, work environment) are required **by the functions (tick the appropriate boxes)**? This means that chosen conditions will apply in a regular basis for this job.*

| <b>SPECIAL CONDITIONS WHICH ARE REQUIRED IN A REGULAR BASIS</b> |  |
|---|--|
| <input type="checkbox"/>  | These functions require shift work, including nights, Sundays and official holidays.                             |
| <input type="checkbox"/>  | These functions require participation in a regular stand-by duty, including nights, Sundays and public holidays. |
| <input type="checkbox"/>  | These functions require work during nights, Sundays and public holidays.   |
| <input type="checkbox"/>  | These functions require work in radiation controlled areas.  |
| <input type="checkbox"/>  | These functions require interventions in underground installations.  |
| <input type="checkbox"/>  | These functions require international travel   |
| <input type="checkbox"/>  | A valid driving license is required.   |

*What kind of special conditions may be required in the future **depending on the needs of the Organization (tick the appropriate boxes)**? Please note: the use of these standard phrases is an exception and needs to be justified by the hiring manager, for example by an anticipated future reorganization of work implying special working conditions due to departures, absences etc. This means that chosen conditions can apply (or not) at certain circumstances, as something exceptional during the length of the contract.*

|  |  |
|--|--|
| <b>SPECIAL CONDITIONS WHICH MAY BE REQUIRED DEPENDING ON THE NEEDS OF THE ORGANIZATION IN THE FUTURE</b> |  |
|--|--|

|          |   |
|----------|---|
|          | Shift work  |
|          | Stand-by duty                                     |
| <b>X</b> | Work during nights, Sundays and official holidays |
| <b>X</b> | Work in radiation controlled areas                |
| <b>X</b> | Interventions in underground installations        |
|          | International travel                              |

### Application process and closing date

In order to submit your application, click on the green box '*I'm interested*' on the right hand side of the screen, and select your preferred way of applying e.g. '*fill manually*'. Only name and email are mandatory fields, the rest is optional.

Please submit the following documents with 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.
- A copy of your PhD degree.

*Please note:*

- In addition to the above, three letters of recommendation are required. They should be recent (not more than 1 year old, although they may refer to previous work).  
Once you have submitted your application, you will receive a confirmation email, which contains a link that you share with your referees. By using this link, they can upload their reference letter in a confidential manner directly to your application. Please note that you will not, however, be able to see the letter in your applicant profile. We recommend that you allocate sufficient time to complete this step before the publication closing date.
- Should you have any difficulties in applying, please contact Jenni Suutala at [jenni.suutala@cern.ch](mailto:jenni.suutala@cern.ch).

Your application should reach us no later than 01.06.2020 at noon CET.