



## **CALL FOR APPLICATIONS - August 2022**

### **Research Assistant Positions**

Donostia International Physics Center (DIPC) is currently accepting applications for Research Assistant positions. This is a unique opportunity for highly motivated students, recently graduated from the University in Physics or related fields, to gain research experience in one of DIPC's high-profile research teams. A description of each of the available openings, contact information and deadlines can be found on the following pages.

Although candidates are welcome to contact the project supervisors to know further details about the proposed research activity, please be aware that the application will be evaluated only if it is submitted directly to the email address listed as "application email".

Applications received by the deadline will be evaluated by a Committee designed by the DIPC board on the basis of the following criteria:

- CV of the candidate (40%)
- Adequacy of the candidate's scientific background to the project (40%)
- Reference letters (10%)
- Other: Diversity in gender, race, nationality, etc. (10%)

Evaluation results will be communicated to the candidates soon after. Positions will only be filled if qualified candidates are found.

The DIPC may revoke its decision if the candidate fails to join by the appointed time, in which case the position will be awarded to the candidate with the next highest score, provided it is above 50 (out of 100).

However, the selected candidate may keep the position if, in the opinion of the Selection Committee, the candidate duly justifies the reasons why he or she cannot join before the specified deadline, and as long as the project allows it.

**Ref. 2022/56**  
**Development of slow control system for the GaP detector**

**Supervisor(s):**

*Francesc Monrabal (Francesc.monrabal@dipc.org)*  
*Juan José Gomez Cadenas (jjgomezcadenas@dipc.org)*

**Duration\*:** 1 year

**Application Deadline:** 18/08/2022

**Application Email:** jobs.research@dipc.org

The GanESS project aims to study the process of coherent neutrino scattering with nuclei using gaseous detectors at the European Spallation Source (ESS). To this end, the DIPC group has begun the process of designing and building a series of detectors that will allow the physics of the process to be exploited.

The first of these detectors, the GaP detector, will be used to characterise the response of these detectors to nuclear interactions. This detector, which will start operation at the end of this year, requires a complex system of slow controls to keep the pressure and temperature conditions of the detector stable, thus guaranteeing both data collection and the safety of the equipment itself.

The DIPC group is offering a Research Assistant position to develop this slow control system. The candidate should have a Master's Degree in Nuclear Physics or similar and a basic knowledge of electronic control systems.

**Interested candidates should submit an updated CV and a brief statement of interest to the application email listed above. Reference letters are welcome but not indispensable. The reference of the specific opening to which the candidate is applying should also be stated in the subject line.**

*This project has received funding from the Basque Government's grant program "ESS".*

