



## Call for candidates

### Junior staff physicist position in the Nuclear Physics Department at CEA Saclay

The Department of Nuclear Physics (DPhN) of the Institute for Research into the Fundamental Laws of the Universe (Irfu) at CEA Paris-Saclay (France) is inviting applications for the recruitment of a **junior staff physicist contributing to experimental activities on fission studies at GANIL-SPIRAL2/NFS**.

Irfu is a highly dynamic scientific environment including research divisions on astrophysics, nuclear and particle physics as well as strong technical and engineering divisions in instrumentation, cryogenics and accelerator technologies. Within Irfu, DPhN focuses its research on the nucleon and the nucleus, with studies ranging from nuclear structure and reactions to hadron structure and quark gluon plasma.

The Laboratory of Nuclear Reaction Studies and Applications (LEARN) within DPhN conducts worldwide-recognized researches on nucleon induced reactions, fission and beta-decays including neutrinos aiming to answer fundamental questions in physics but also to provide accurate data and models for applications with societal benefits. The LEARN is a major actor in the use and in the development of neutron sources in Europe, leading the development of state-of-the-art detectors to carry on its research program. The LEARN also develops and disseminates codes and algorithms for the transport of particles or nuclear reactions.

The LEARN is heavily involved in studying neutron-induced fission at the NFS facility, leading the development of the FALSTAFF spectrometer in collaboration with GANIL. An extensive program is now launched using this detector to characterize fission fragments as a function of the neutron energy. On the longer run, with the advent of new detection systems and new facilities worldwide, exciting new opportunities will open to further improve our knowledge of the fission process, of the reaction mechanisms or to produce nuclear data.

The LEARN is seeking a strong and highly motivated junior physicist to take part to its current research program on fission at GANIL. The candidate will conduct the experimental program with the FALSTAFF spectrometer and he/she is expected to be a driving force for future developments, taking full advantage of the international landscape of facilities and detection systems.

## Required profile

Candidates are expected to hold a PhD in experimental nuclear physics and preferably have some years of post-doctoral experience. Young researchers with high scientific potential are invited to apply. A strong knowledge of experimental techniques in nuclear physics is highly desirable:

- Excellent records in the realization of experiments at international accelerator facilities;
- Skills for the development of detection devices, related electronics and their integration in the data acquisition systems;
- Expertise in data analysis and in-depth capabilities to develop numerical simulations in particular with GEANT4.

## Application

Candidates must send:

- a cover letter describing their past research activities (maximum 2 pages) and future research prospects (maximum 2 pages),
- a Curriculum Vitae including a list of recent or important publications, highlighting the candidate's personal contribution,
- at least two letters of recommendation,
- a copy of their PhD thesis as well as the jury reports on their manuscript and/or PhD defense when applicable.

For full consideration, all application material must be submitted by **the 17th of April 2026 (included)**. A committee will release the list of candidates selected for an interview in the second half of May 2026. The interview of selected candidates is foreseen for early July 2026. The position is foreseen to be filled from September 2026.

Documents must be sent by email to the DPhN secretary: [chrissy.gigan@cea.fr](mailto:chrissy.gigan@cea.fr) with [alain.letourneau@cea.fr](mailto:alain.letourneau@cea.fr) in copy.

For inquiries, contact: [alain.letourneau@cea.fr](mailto:alain.letourneau@cea.fr)