

**Irfu**Institut de recherche  
sur les lois fondamentales  
de l'UniversSaclay, January 26<sup>th</sup>, 2021

## Call for applications

The Department of Particle Physics (DPhP) of the Institute of Research into the Fundamental Laws of the Universe (IRFU) at CEA Paris-Saclay opens a call for applications for a scientist staff position in particle physics in 2021.

DPhP comprises about 110 physicists. DPhP scientific themes include elementary components of matter at the highest energies at the CERN LHC collider, R&D for future accelerators, neutrino physics, gamma ray astronomy, observational cosmology, study of antimatter, study of gravitational waves, and instrumentation for societal applications.

We welcome applications from motivated experimental particle physicists with excellent scientific record and marked hardware profile, wishing to join the ATLAS experiment. The activities of the ATLAS group cover detector development (from R&D to commissioning for the central detector, the electromagnetic calorimeter and the muon spectrometer) and data analysis for Higgs boson physics, top quark physics and electroweak precision physics. Future activities are focused on phase-2 upgrades to prepare the detector for the LHC high luminosity phase, and the analysis of data from the third LHC data period expected to start in early 2022. A professional experience of no more than about six years since the PhD is recommended.

The application will be composed of:

- a Curriculum Vitæ,
- a letter of motivation,
- a description of the candidate's past scientific activity (*4 pages at most*),
- a description of the candidate's future research project (*3 pages at most*),
- a list of publications and internal notes, emphasizing the candidate's personal contributions; the most significant ones (*3 at most*) should be attached,
- a list of talks at conferences, workshops, and seminars,
- 3 letters of recommendation (*which should be sent **directly** to the e-mail address below*),
- 2 to 3 names of persons to be contacted for further reference.

Complete applications should be sent in pdf-format at the latest on **March 15<sup>th</sup>, 2021** to the following e-mail address:

[SPPrecrutement@cea.fr](mailto:SPPrecrutement@cea.fr)

Preselected candidates in April 2021 will be interviewed individually in **May 2021**.

For further information, contact us by phone at +33 1 69 08 23 50 or by e-mail: [secretariat.spp@cea.fr](mailto:secretariat.spp@cea.fr).

**Nathalie Besson**  
**Head of the Particle Physics Department**