Permanent position at Irfu,CEA-Saclay
electronics engineer or physicist with a strong electronics background)

The Institute of Research in the Fundamental laws of the Universe, IRFU, CEA University Paris-Saclay, is an internationally recognized major actor in the fields of high energy physics, nuclear physics, astroparticles and astrophysics. IRFU contributes notably to the ATLAS, CMS and ALICE experiments at CERN. In order to reinforce its technical teams on these projects, the institute plans to hire in 2018 an electronics engineer for a permanent position based at Saclay, France.

The candidate will contribute to design and implementation of dense and complex electronics boards, working at the performance limits of the components, on proprietary or standard formats (e.g. ATCA or PCI Express). Among other projects on a longer scale, the candidate will be involved in ATLAS Phase-2 LAr calorimeter developments at Irfu.

Expected Profile
Electronics engineer degree, with a diploma from an engineering school or university, or physicist (Ph D) having acquired equivalent skills, with if possible several years of experience in the field, you will participate to the design of complex trigger and data acquisition systems, in collaboration with other institutions. Solid knowledge in analog and digital electronics is essential, particularly in the field of FPGAs and very high speed serial links (simulation, routing, testing). Experience on radiation-hard electronics and system reliability would be a plus.

Ability to communicate fluently, orally and written, in French and in English is needed in order to interact with collaborating institutions. Frequent travel in France, Switzerland and also abroad is to be expected.

You may find the same information in French and also submit your application at the following link : https://www.emploi.cea.fr/offre-de-emploi/emploi-cdi-dedip-stream-ingenieur-electronique-analogique-et-numerique-h-f_4768.aspx

Do not hesitate to contact Philippe Schwemling (philippe.schwemling@cea.fr) or Denis Calvet (denis.calvet@cea.fr) for discussion and further information.