

The Institut Laue-Langevin (ILL), situated in Grenoble, France, is Europe's leading research facility for fundamental research using neutrons. The ILL operates the brightest neutron source in the world, reliably delivering intense neutron beams to 40 unique scientific instruments. The Institute welcomes more than 2000 visiting scientists per year to carry out world-class research in solid-state physics, crystallography, soft matter, biology, chemistry and nuclear and particle physics. Funded primarily by its three founder members: France, Germany and the United Kingdom, the ILL has also signed scientific collaboration agreements with 12 other countries. The Science Division currently has a vacancy:

RESEARCH SCIENTIST (M/F)

Duties:

Working within the “Nuclear and Particle Physics (NPP)” group, you will be responsible for gamma spectroscopy experiments and instrumentation. As co-responsible for the mass separator Lohengrin (PN1) you will support experiments on gamma-ray and conversion-electron spectroscopy of very neutron-rich nuclei, produced in nuclear fission. In addition, you will be actively involved in gamma ray spectroscopy experiments using an external neutron beam, notably in European collaborations working with Ge detector arrays such as EXOGAM. You will also be responsible for NPP's Ge detectors, including its two clover detectors. Besides carrying out your own active research programme and establishing scientific collaborations, you will be expected to assist ILL's visiting scientists with their experiments on gamma spectroscopy.

Qualification and experience:

You hold a PhD in physics and have a solid background in gamma-ray spectroscopy with multi-detector setups, Ge detectors and digital data acquisition systems. Strong interest and skills in instrumentation, computing and technical development are essential. The post represents an excellent opportunity for postdoctoral scientists to develop expertise, broaden experience and interact with leading scientists from around the world. Applications from more experienced scientists able to obtain a secondment period from their home institution are welcome.

Language skills:

As an international research centre, we are particularly keen to ensure that we also attract applicants from outside France. You must have a sound knowledge of English and be willing to learn French (a language course will be paid for by the ILL). Knowledge of German would be an advantage.

Notes:

This post is a Fixed-term contract : 5 years

Further information can be obtained via (<http://www.ill.fr/npp>), or by contacting the head of the “NPP” Group: Dr. Oliver Zimmer, tel.: +33(0)4.76.20.74.29, e-mail: zimmer@ill.fr (please do not send your application to this address).

Benefits:

Generous company benefits (expatriation allowance), relocation assistance and language courses may be offered.

How to apply:

Please submit your application on line, with a list of publications, no later than **31/01/2012**, via our website: <http://www.ill.eu/careers> (Vacancy reference: **11/29**)

Human Resources Service
Institut Laue Langevin
<http://www.ill.eu>