

EXPANDING THE BOUNDARIES OF MODERN SCIENCE



NEUTRONS
FOR SCIENCE

Join the world leader
in neutron science & technology

The Institut Laue-Langevin (ILL), situated in Grenoble, France, and founded by France, Germany and the United Kingdom, 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 around 2000 visiting scientists per year to carry out world-class research in fields as varied as solid-state physics, crystallography, soft matter, biology, chemistry and fundamental physics. The Projects and Techniques Division, which is responsible for the development of the ILL's instruments and for technical support, currently has a vacancy in its Neutron Detector Service for a:

Research Engineer in Physics (m/f)

The Neutron Detector Service is responsible for the development of the high-performance neutron detectors at the heart of the ILL's neutron diffraction instruments. These detectors exploit a number of different techniques, including ultrahigh vacuum (UHV), precision mechanics, electronics and radiation physics.

Duties:

Working closely with the other members of the Neutron Detector Service, as well as with staff from other ILL services, you will have the following duties:

- Coordinate and/or take part in projects for the design and construction of new detectors for the ILL instruments,
- Carry out in-house development work aimed at improving existing techniques within the service and, more particularly, finding alternatives to ^3He ,
- Collaborate in European projects and represent the Neutron Detector Service at international events,
- Help with the maintenance of detectors on the instruments,

Supervise other employees on an occasional basis (interns, PhD students, post-doctoral fellows, etc.).

Qualifications and experience:

You have a Master's degree in engineering physics (or equivalent qualification) and 3 to 5 years' experience of working in an R&D environment. You also have solid expertise in the following areas:

- detector physics,
- particle-matter interaction,
- analogue electronics and data acquisition systems,
- Monte Carlo programming and data treatment.

Experience with the maintenance of detectors would be an advantage.

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:

Medical fitness for work under ionising radiation is required.

This post is permanent.

For further information, please contact Dr Bruno Guerard, tel.: +33(0)4.76.20.72.77, e-mail: guerard@ill.eu (DO NOT send your application to this address).

[Online application](#) [Forward this job ad to a friend](#) [Print site](#)

closing date for submissions: **12/10/2014** Ref. #: **14/10**

We care about Equal Opportunity and Diversity; therefore we encourage both men and women with relevant qualifications to apply.

Further information on www.ill.eu