VACANCY

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 and hosts over 2000 visits by scientists per year, who come to carry out world-class research in a wide variety of scientific fields.
Are you interested in joining our international institute? We currently have a vacancy for a:

Research Scientist PF2 (M/F)

Duties:
Working within the **Nuclear and Particle Physics (NPP) group**, you will be co-responsible for the instrument PF2 for experiments with ultracold and very cold neutrons (UCNs and VCNs) and will actively take part in ongoing developments of novel sources for ultracold neutrons based on superfluid helium. You will:

- Support the experimental programmes pursued by user groups, which include the search for the neutron electric dipole moment, studies of quantum states of the neutron in the Earth's gravity field, accurate determinations of the neutron lifetime and various experiments in neutron optics and on quantum mechanical phenomena.
- Contribute to studying possibilities to enhance the output of this high-current UCN and VCN source and develop new tools for UCN transport, distribution and manipulation.
- Pursue your own active research programme and establish scientific collaborations.

Qualifications and experience:

- PhD, preferably in nuclear or particle physics.
- Experience and a strong interest in the development of instrumentation.
- A sound knowledge of low-energy particle physics and neutron optics would be useful.

Applicants with experience in other fields, such as surface science, are also encouraged to apply.

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:
5-year fixed-term contract.
Medical fitness for work under ionising radiation is required.

Further information can be obtained by contacting the head of the Nuclear & Particle Physics group: Dr Oliver ZIMMER, tel.: +33(0)4.76.20.74.29, email: zimmer@ill.eu ***(please do not send your application to this address)***.

Benefits:
Generous company benefits (expatriation allowance), relocation assistance and language courses may be offered (for more information, please consult our employment conditions).

How to apply:
Please submit your application on line with a list of publications and the **names of 3 references, including one from your present work place**, no later than **27.05.2018**, via our website:
www.ill.eu/careers (vacancy reference: **18/15**).
The interviews will take place on week 26.

We are committed to equal opportunity and diversity; we therefore encourage anyone with relevant qualifications to apply.