

**RESEARCH SCIENTIST (m/f)**  
**- Nuclear and particle physics -**

*Duties :*

Working within the **Nuclear and particle Physics (NPP) Group**, you will be responsible for the instrument PF2 for experiments with ultracold neutrons and will actively take part in developments of future sources for ultracold neutrons. The present programme includes the search for the neutron electric dipole moment, the accurate determination of the neutron lifetime and various experiments in neutron optics and on quantum mechanical phenomena. In addition to carrying out your own research programme, you will be responsible for assisting ILL's visiting scientists helping them to carry out and further develop their experiments.

*Qualifications and experience:*

Experience and a strong interest in development of instrumentation is a necessary prerequisite of highly motivated candidates with a PhD, preferably in nuclear or particle physics. A firm knowledge in low-energy particle physics and neutron optics would be useful. Applicants bringing in experience from other fields, such as e.g. surface science, are also encouraged to apply.

The post represents an excellent opportunity for young 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 will also be considered.

*Notes:*

Fixed-term contract : 5 years

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

Further information can be obtained by contacting the Nuclear and Particle Physics Group Leader: Prof. O. Zimmer, Tel. +33 (0)4 76 20 74 29; e-mail: [zimmer@ill.fr](mailto:zimmer@ill.fr)

Please submit your application on line, with a list of publications, no later than **06.05.2008**, via our website: <http://www.ill.fr/careers> (Vacancy reference: **08/10**)