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Vacancy

The Institut Laue-Langevin (ILL) in Grenoble, France, is Europe's premier neutron research facility. Each year, over 2000 scientists visit to conduct cutting-edge research. The Spectroscopy group is equipped with advanced instruments, including PANTHER, a highly regarded thermal neutron time-of-flight spectrometer. PANTHER is vital for studying lattice dynamics, as well as magnetic and vibrational excitations in single crystals and powders. We are currently developing the PASTIS wide-angle polarisation option, which will open up new avenues for studying complex spin-lattice interactions.

Instrument Scientist

Yours Tasks

As an instrument scientist, you will:

- Develop your own research and contribute to studies in quantum magnetism and correlated electronic systems.
- Support visiting scientists throughout all stages of their neutron experiments, from data acquisition and interpretation to publication.
- Become a specialist in single-crystal time-of-flight spectroscopy, enhancing the group's expertise in this technique.
- Collaborate with the polarisation team to implement the new PASTIS option on PANTHER and other instruments, with a focus on developing user-friendly software solutions to fully leverage this unique feature.

Qualifications / Experience:

- You hold a Ph.D. in solid-state physics or a related field, preferably with a specialisation in magnetism or strongly correlated electronic systems.
- You have prior experience in single-crystal neutron spectroscopy, either as a scientific user or instrument scientist.
- You are proficient in software development (Python, MATLAB).
- Knowledge of neutron polarisation techniques would be an asset.
- You are open-minded, eager to learn new techniques, and enjoy collaborating with external scientific groups as well as the numerous in-house services.

We offer:

- ✓ **Quality of life** A hub for research and technology, the city of Grenoble is ideally located in the heart of the French Alps (just 3 hours from Paris/Provence by train, 1 hour from Lyon international airport and 1 ½ hours from Geneva). It is important for us that our staff achieve a healthy work-life balance. We therefore offer home working (under certain conditions), generous annual paid leave entitlement and a host of other benefits that you will discover when you arrive!
- ✓ **Prospects** We guarantee you a **permanent position** contract in a multicultural scientific environment.
- ✓ **Benefits** - We offer generous social benefits (expatriation allowance, excellent health cover), moving and relocation assistance (under certain conditions) and an annual productivity bonus. We also offer language courses for you and your partner and subsidies for the use of public transport and the staff canteen, as well as for holidays and a variety of cultural and sports activities.

How to apply:

Please submit your application on line no later **20/10/2024**, via our website :

www.ill.eu/careers

(vacancy reference : 24/38).

https://www.ill-recruits.eu/index_extern.php?sid=1715&intern=0

Con copia de la candidatura a: eures.franciasuizabeneLux@sepe.es

Indicando la referencia ILL 24/38

Ayudas a la movilidad EURES

