

## Post-docs position at Néel Institut

A 12 months post-doc position is currently opened in the Condensed Matter Theory Group, Néel Institut, Grenoble, France, to foster collaborations between the Néel Institute and the Institut Laue Langevin.

**Starting date** : October or November 2020

**Application deadline** : August 23th 2020

**How to apply** : send the application to email : [Marie-Bernadette.Lepetit@neel.cnrs.fr](mailto:Marie-Bernadette.Lepetit@neel.cnrs.fr)

including

- last diploma
- CV
- letters of recommendation are welcome.

In-house or skype interviews will be organised in the following week.

The positions is to work under the supervision of MB Lepetit on ab initio electronic structure and spectroscopic calculations in strongly correlated systems, with a focus on magnetic excitations and multiferroic compounds (strong background in quantum mechanics required). According to her/his abilities and tastes the succesfull candidate will be able to work either on methodological developments or on the modelling of specific compounds in close collaborations with experimentalists in the field.

The candidate should have a PhD in theoretical condensed matter Physics or Quantum Chemistry. She/He should have a good knowledge of Quantum Mechanics, a reasonable knowledge of ab-initio electronic structure calculations and be reasonably computer learned (Linux user). Some knowledge of group-theory/crystallography and strong electronic correlation will be appreciated. Similarly, knowledge in modern parallelisation and programming methods (openMP, MPI, Git, etc...) will be appreciated.