



The *Low Energy Precision Measurements* group at the Laboratoire de Physique Corpusculaire de Caen (LPCC), is inviting applicants for a Postdoctoral position in experimental nuclear physics to conduct research in the field of nuclear beta decay. The measurements will be carried out at the Grand Accélérateur National d'Ions Lourds (GANIL) in Caen, France and other experimental activities will be performed at LPCC.

The successful candidate will work in the *bSTILED* project (*b*: Search for Tensor Interactions in nucLEAR bEta Decay), funded by the Agence Nationale de la Recherche (ANR). He/she is expected to play a leading role in the design and construction of a detector to measure the beta energy spectrum from ${}^6\text{He}$ decay with optimized geometry to reduce energy loss due to Bremsstrahlung. The candidate is also expected to take part in the planning and organization of a future experiment and in performing a preliminary data analysis.

Position Requirements

Candidates for this position must have:

- A recent PhD thesis in experimental nuclear physics preferably in the field of precision measurements.
- Experience in conceiving and conducting experimental research and in reporting results.
- A solid background in nuclear physics, detector development, simulations and data analysis.

Position Description

The position is fixed term for a total duration of two years, funded by the French ANR. The salary is based on the French standards for fix term research contracts. The starting date is flexible but preferably within the last quarter of 2021.

Application procedure

All applications and requested documents should exclusively be submitted through the CNRS portal at: <https://bit.ly/3tnQZnz>

Contacts and Information

For additional information about the position, please contact Oscar Naviliat-Cuncic (naviliat@lpccaen.in2p3.fr) or Xavier Flécharde (flecharde@lpccaen.in2p3.fr). Information about the activities of the Precision Measurements group can be found at <https://www.lpc-caen.in2p3.fr/en/research/particles-and-fundamental-interactions/precision-measurements-at-low-energy/> and information about the laboratory can be found at <https://www.lpc-caen.in2p3.fr/en/home-en/>.