



Postdoctoral research position

Description

The Nuclear Physics group at CEA invites application from candidates for a fixed-term (two years) postdoctoral position in the area of experimental nuclear physics, who will work on fission investigated with relativistic beams in inverse kinematics and the R3B/SOFIA setup at GSI (Germany). The R3B/SOFIA experiment aims at studying the nuclear fission of very exotic pre-actinide and will investigate for the first time, the transition from symmetric to asymmetric fission in the vicinity of ^{180}Hg . The successful candidate will work on the preparation of the experimental campaign scheduled for 2021 at GSI. She/he will be involved in the testing and the setting up of the different detector systems used in the experimental campaign and will be in charge of the analysis and the interpretation of the data. The candidate is expected to present the results in international meetings and publish in peer-review journals.

The postdoctoral fellow will work in a dynamic environment and could get involved in the different activities lead by the group.

Requirements and qualifications

- PhD in Nuclear Physics or related fields.
- Good communication skills to present and communicate with the collaboration.
- Solid knowledge of standard analysis tools used in the nuclear physics community (ROOT, GEANT4...).

- Experience with electronics and computer programming for data acquisition.
- Knowledge of the GSI data acquisition system would be appreciated but is not required.
- Proficiency in English is essential.

Workplace

The position will be held at CEA, Bruyères-le-Chatel close to Paris, in the nuclear physics research group. The laboratory is situated in close proximity of other research centers such as CEA Saclay and Orsay. The postdoctoral fellow will be expected to undertake international travel (mainly to Germany) over a period of several weeks.

Furhter information

Interested candidates should send a CV, list of publication and a cover letter with the contact information of three references to Julien Taieb (julien.taieb@cea.fr).