

Call for postdoctoral and PhD researchers in theoretical nuclear physics

The THEXO workpackage

Theoretical tools in support of infrastructures

Operating within the ENSAR FP7 programme

European Nuclear Science and Applications Research

Announces a call for three postdoctoral positions and one PhD position

The call is open by the workpackage participants:

1. Université Libre de Bruxelles (ULB), Belgium
2. University of Warsaw (UW), Poland
3. University of Basel (UBas), Switzerland
4. Technische Universität Wien (TUW), Austria

Prospective postdoctoral researchers will work towards the realization of the following workpackage tasks:

1. Coupling between single particle and collective modes.
2. Evolution of single-particle states in function of proton and neutron numbers.
3. Nuclear reaction cross-sections of exotic nuclei and nuclear equation of state at sub- and supra-nuclear densities.
4. Reaction calculations for weakly bound exotic nuclei.

Each task is lead by the corresponding workpackage participant.

Background information:

THEXO will work as a unified initiative in nuclear structure, reactions, and astrophysics, by developing theoretical tools related to the experimental activities at major European infrastructures of ENSAR. In synergy between the THEXO workpackage participants and associated partners, the activity will work towards specific tasks formulated in the THEXO proposal. The hired workforce, employed by the workpackage participants, may work at associated partners or other European research organizations, with a strong emphasis on the mobility and collaborative efforts. Joint positions between the workpackage participants and associated partners will be possible. The postdoc positions will be offered for one year and can be extended depending of the available funding. The doctoral position will be offered at TUW for two years and can be extended to three years. Salaries offered will correspond to those practiced at each institution of the workpackage participants.

The first round of applications will be collected until January 10 and employment can start in early 2011. The search committee composed of the THEXO task leaders will evaluate the applications. Subject to availability of positions, later applications will be considered on a continuous basis.

Prospective applicants should provide:

- 1) Curriculum vitae.
- 2) List of publications.
- 3) Two recommendation letters.
- 4) One-page description of the research interests, including a statement of motivation to work on one of the THEXO tasks.
- 5) Name of the workpackage participant to employ the candidate.
- 6) Name(s) of the host institution(s), where the work will be carried out along with numbers of months spent in each one of them.
- 7) For host institutions other than the workpackage participants: letter of the group leader specifying the willingness to accept the candidate.
- 8) For joint positions: letter of the host institution declaring the number of months of employment.

Points 6-8 above pertain to postdoctoral applications only.

Applications are to be sent electronically to Jacek Dobaczewski at Jacek.Dobaczewski@fuw.edu.pl. The reception of all applications will be acknowledged. We wish to thank all applicants for their interest, and regret that only those individuals being considered will be contacted.