

## Job description

A permanent position as Associate Professor in Low-energy Nuclear Physics is available at the Department of Physics, under the Faculty of Mathematics and Natural Sciences.

The successful candidate is expected to initiate and lead experimental research activities within the field of fundamental nuclear structure physics and/or applied nuclear physics. She/he is expected to acquire external funding to new research projects in this area, to supervise PhD and MSc candidates, and to play an active role in teaching, at both the bachelor and master/PhD level. 50% of the working time will be devoted to teaching, teaching related activities and administrative duties.

The nuclear physics group at the Department of Physics operates the Oslo Cyclotron Laboratory (OCL) with the MC35 Scanditronix Cyclotron and the Oslo Scintillator Array OSCAR, and pursues complementary research programs at international research facilities worldwide. The group has furthermore a leading role in the Norwegian Nuclear Research Centre (NNRC), a consortium of several universities and research institutions that has the goal to strengthen research capacity and competence in nuclear science in Norway. The successful candidate is expected to initiate a research program that is aligned with the scientific focus of the group, to collaborate with the group at OCL and other laboratories, and to contribute to the research activities of the NNRC.

## Qualification requirements

The Faculty of Mathematics and Natural Sciences has the strategic ambition of being a leading research faculty. Candidates for the advertised position will be selected in accordance with this ambition. The applicant should have the following mandatory qualifications:

- A PhD degree in Physics;
- Several years of post-doctoral experience.
- Strong documented research competence within the field of experimental nuclear structure physics and/or applied nuclear physics;
- Pedagogical skills and an ability to take active part in teaching;
- Organizational and collaborative skills.
- Good language skills, in particular a good command of both written and spoken English. The person appointed to the position must be able to teach in Norwegian (or another Scandinavian language) within three years of the appointment.

The following qualifications will be prioritized in the assessment:

- Documented research competence and interests relevant for the research program at OCL and NNRC;
- Strong academic qualifications and strong record of international peer-reviewed publications in the scope of the position (with emphasis on the record during the past five years);
- Ability to collaborate across established academic disciplines and build national and international networks;
- Experience with attracting external research funding and leading scientific research projects;
- Pedagogical experience on master or bachelor levels and ability to supervise and inspire

students

- Experience in the development and redesign of courses and teaching methods, and motivation to take part in developing and improving study programs;
- Experience with scientific programming and the use of numerical methods in research and education;
- Experience with communicating university level research and education to a wider (non-scientific) audience.

## How to apply

### **The application must include:**

- Cover letter with a statement of motivation and research interests;
- CV;
- Summary of up to 3 selected scientific publications the applicant wishes to include in the evaluation describing their significance and impact. A copy of these publications (or an open access link to these) must be provided;
- Research plan including possible synergies with the Department's sections with an emphasis on Low-energy Nuclear Physics (up to 5 pages);
- List of scientific production with bibliographic references;
- PhD Diploma;
- A portfolio containing documentation of teaching experience, a description of teaching philosophy, capability of external fund raising and other qualifications the applicant wants to have considered;
- List of reference persons: 2-3 references (name, relation to candidate, e-mail and phone number)

The application with attachments must be delivered in our electronic recruiting system, please follow the link "apply for this job". Please note that all documents should be in English (or a Scandinavian language).