



**Jobbnorge ID:** 284809  
**Deadline:** 8/29/2025  
**Website:** <http://www.uio.no/>  
**Scope:** Fulltime  
**Duration:** Engagement

## Researcher in Experimental Particle Physics

### About the position

One position as researcher (SKO 1108) in Experimental Particle Physics is available at the Department of Physics, University of Oslo.

The position is externally funded lasting throughout 2027. The vacancy will be filled as soon as possible.

### Project description

The Large Hadron Collider at CERN, in operation since 2010, has been a key to the discovery of the Higgs boson in 2012. To achieve higher luminosities the collider and its experiments will be upgraded in the mid-2020s to deliver 3000/fb by 2037. Norway participates in the ATLAS experiment and is contributing to build 3D silicon pixel sensors for the Inner Tracker. The researcher sought for will have a central role in this upgrade work, primarily in Norway developing a silicon pixel module assembly line and by producing modules, and to some extent internationally by taking part in ATLAS test beams, collecting and analyzing data and qualifying modules for production and installation in ATLAS.

The researcher will be part of a dynamic team consisting of researchers, engineers, and students from the Universities of Oslo and Bergen as well as SINTEF, and be part of the much larger ATLAS pixel collaboration with participants from all over the world. This position will be part of the NorLHC infrastructure project, which is a 5-year project funded by the Norwegian Research Council to upgrade the LHC experiments ATLAS and ALICE and the World Wide LHC Computing Grid.

The successful candidate will work primarily with pixel detectors construction, and electrical test-systems, and to some extent with test beams, data analysis and development of mechanical systems. She or he will be required to interact in an international environment, meet deadlines set by the collaboration and report and present internationally. The candidate is expected to take a leading role in our module quality assurance programme and, time permitting participate in physics performance validation activities.

### What skills are important in this role?

The Faculty of Mathematics and Natural Sciences has a strategic ambition of being a leading research faculty. Candidates for these fellowships will be selected in accordance with this and expected to be in the upper segment of their class with respect to academic credentials.

#### Required qualifications:

- MSc or similar in experimental particle physics, semiconductor physics, electronics or detector instrumentation
- In-depth knowledge and experience of semiconductor sensor technology
- Sufficient knowledge and experience of ASICs and electronics
- Good language skills, in particular a good command of both written and spoken English.

#### Desired qualifications:

- Experience with manufacturing and quality assurance systems.

All candidates and projects will have to undergo a check versus national export, sanctions and security regulations. Candidates may be excluded based on these checks. Primary checkpoints are the Export Control regulation, the Sanctions regulation, and the national security regulation.

### Personal skills

- Ability to work both independently and as part of a team
- Ability to work precise in a structured manner and swiftly adapts to new tasks
- Good communication and collaboration skills
- Positive attitude and the ability to handle hectic periods

Employment in the position is based on a comprehensive assessment of all qualification requirements applicable to the position, including personal qualifications.

## We can offer you

- Exciting and meaningful tasks in an organization with an important societal mission, contributing to knowledge development, education, and enlightenment that promote sustainable, fair, and knowledge-based societal development.
- Committed colleagues in a good working environment.
- Good [welfare schemes](#).
- Opportunity of up to 1.5 hours a week of [exercise during working hours](#).
- A workplace with good development and career opportunities.
- Membership in the [Statens Pensjonskasse](#), which is one of Norway's best pension schemes with beneficial mortgages and good insurance schemes.
- Salary in position as Researcher (position code 1108, or 1109 if the candidate has a PhD degree) in salary range NOK from 550 800 - 650 000, depending on competence and experience. From the salary, 2 percent is deducted in statutory contributions to the State Pension Fund.

Read more about the benefits of working in the public sector at [Employer Portal](#).

## Inclusive worklife and diversity at UiO

Inclusion and diversity are a strength. The University of Oslo has a personnel policy objective of achieving a balanced gender composition. Furthermore, we want employees with diverse professional expertise, life experience and perspectives.

If there are qualified applicants with disabilities, employment gaps or immigrant background, we will invite at least one applicant from each of these categories to an interview.

We hope that you will apply for the position.

## Application

Your application should include:

- Application letter including a description of scientific interests, and the motivation for applying for the position
- CV (summarizing education, positions and academic work)
- Copies of educational certificates and transcript of records
- Up to three highlighted publications
- Names and contact details of 1-2 references

Application with attachments must be submitted via our recruitment system Jobbnorge, click "Apply for the position".

When applying for the position, we ask you to retrieve your education results from [Vitnemålsportalen.no](#). If your education results are not available through Vitnemålsportalen, we ask you to upload copies of your transcripts or grades. Please note that all documentation must be in English or a Scandinavian language.

## General information

The best qualified candidates will be invited for interviews.

Applicant lists can be published in accordance with [Norwegian Freedom of Information Act](#) § 25. When you apply for a position with us, your name will appear on the public applicant list. It is possible to request to be excluded from this list. You must justify why you want an exemption from publication and we will then decide whether we can grant your request. If we cannot, you will hear from us.

Please refer to [Rules for the use of research posts SKO 1108, 1109, 1110 and 1183 at UiO](#).

The University of Oslo has a [transfer agreement](#) with all employees that is intended to secure the rights to all research results etc.

## Contact persons

For questions about the position, please contact:

Researcher Ole Røhne, e-mail: [o.m.rohne@fys.uio.no](mailto:o.m.rohne@fys.uio.no), phone: +47 464 73677

Head of Electronic Workshop Ole Dorholt, e-mail: [ole.dorholt@fys.uio.no](mailto:ole.dorholt@fys.uio.no), phone: +47 971 21507

For questions regarding the recruitment system, please contact: HR Adviser Karoline Hanssen, e-mail: [karoline.hanssen@mn.uio.no](mailto:karoline.hanssen@mn.uio.no)

## University of Oslo

The University of Oslo is Norway's oldest and highest rated institution of research and education with 26 500 students and 7 200 employees. Its broad range of academic disciplines and internationally esteemed research communities make UiO an important contributor to society.

The research at the Department covers a broad range of subfields within physics and technology: From space research to medical physics. A good proportion of the research is interdisciplinary, and conducted in close cooperation with collaborators in Norway and abroad. Education and teaching are other essential activities. We offer a broad range of courses, and the Department is involved in several study programmes at bachelor's and master's level. Some of the best lecturers in Norway are amongst our employees, and we are proud of our prizewinning teaching

and learning environment. The Department has 200 employees, of which 50 are permanent scientific positions. On a yearly basis 20 students complete their Ph.D. and 50 finish their M.Sc. degree.

### **Additional information**

**Place of service:**

Problemveien 7 0313 Oslo (Oslo Municipality)