

Postdoctoral Research Fellow position in experimental particle physics

There is a vacancy for a temporary position as a postdoctoral research fellow in experimental particle physics at the [Department of Physics and Technology](#), University of Bergen. The position is for a period of 3 years and is associated with the project "*Norwegian High Energy Particle Physics Research with the ATLAS detector at the Large Hadron Collider - Run2 at 13 TeV*".

About the project/work tasks

The Bergen group is involved in physics analysis within the studies of the Higgs boson, studies of B-mesons, and searches for Supersymmetry. The group is also involved in the ITk project of the ATLAS upgrade program. Research is performed within the development of radiation-hard pixel sensors for the ITk, and the group also will take part in the construction and delivery of pixel sensor modules for the ITk. The person filling this position is expected to contribute strongly to the Higgs physics activities and to B-physics studies. In addition to perform analysis tasks on agreed topics in an independent fashion, the candidate is expected to contribute with help and guidance to students at the MSc and PhD level. He/she should also participate in test beam campaigns for sensor tests, as well as in upgrading existing laboratory facilities in order to perform quality assurance tests of ITk pixel modules and components.

Qualifications and personal qualities:

- Applicants must hold a Norwegian PhD or an equivalent degree within experimental particle physics, or must have submitted his/her doctoral thesis for assessment prior to the application deadline. It is a condition of employment that the PhD has been awarded.
- Applicants should have good programming skills and experience with data analysis and handling of large data sets. Experience with ATLAS analysis and software is a clear advantage. Another advantage is if the candidate has some expertise in electronics and in particle detection technologies, in particular silicon sensors.
- The ability to work independently in a structured manner is very important. The candidate must have the ability to collaborate in a team.
- Proficiency in both written and oral English is required.

About the position of postdoctoral research fellow:

The position of postdoctoral research fellow is a fixed-term appointment with the primary objective of qualifying the appointee for work in top academic positions. The fixed-term period for this position is 3 years. Individuals may not be hired for more than one fixed-term period as a postdoctoral research fellow at the same institution.

For postdoctoral research fellow positions associated with externally financed projects, the completion of the project proposal for the qualifying work will take place in consultation with the project/centre manager.

It is a requirement that the project is completed in the course of the period of employment.

We can offer:

- A good and professionally challenging working environment
- Salary at pay grade 57 (code 1352 / pay range 24, alternative 1) according to the state salary scale upon appointment. This constitutes a gross annual salary of NOK 486,100 – 490,900. Further promotions are made according to length of service.
- Enrolment in the Norwegian Public Service Pension Fund
- A position in an inclusive workplace (IW)
- Good welfare benefits

Your application must include:

- A brief account of the applicant's research interests and motivation for applying for the position.

Det matematisk-naturvitenskapelige fakultet

- The names and contact information for two reference persons. One of these should be the main advisor from the PhD programme.
- CV
- Transcripts and diplomas and official confirmation that the doctoral thesis has been submitted
- Relevant certificates/references
- List of any works of a scientific nature (publication list)
- Publications (as applicable)

The application and appendices with certified translations into English or a Scandinavian language must be uploaded at JobbNorge ([Link](#)) before the application deadline, March 18th. 2018.

General information:

For further details about the position, please contact:

[Professor Gerald Eigen](#) or [Professor Bjarne Stugu](#), Department of Physics and Technology.

The state labour force shall reflect the diversity of Norwegian society to the greatest extent possible. Age and gender balance among employees is therefore a goal. People with immigrant backgrounds and people with disabilities are encouraged to apply for the position.

We encourage women to apply. If multiple applicants have approximately equivalent qualifications, the rules pertaining to moderate gender quotas shall apply.

The University of Bergen applies the principle of public access to information when recruiting staff for academic positions.

Information about applicants may be made public even if the applicant has asked not to be named on the list of persons who have applied. The applicant must be notified if the request to be omitted is not met.

Further information about our employment process can be found [here](#).