

**2 PhD fellowships in Experimental Heavy-Ion Physics**  
**Niels Bohr Institute**  
**Faculty of Science**  
**University of Copenhagen**

The High Energy Heavy Ion (HEHI) at the Niels Bohr Institute, University of Copenhagen, announces two Ph.D. fellowships with start in early 2015.

The group's current research is centered around the ALICE experiment at the Large Hadron Collider (LHC) at CERN. The group operates the Forward Multiplicity Detector (FMD) and the TPC-laser system in ALICE. Current research interests include the study and analysis of collective anisotropic flow, correlations, identified particle spectra and global observables (multiplicity) over a broad range of rapidity.

We are seeking excellent Ph.D. candidates with demonstrated initiative to strengthen and further develop the group's activities in a 3 year Ph.D. fellowship.

The successful candidates will also be expected to participate in 1) the running of the experiment at CERN in data taking periods and contribute to the quality control of data taken with the detectors operated by the group, 2) workshops and analysis meetings at CERN, and, 3) contribute to general 'service tasks' in the ALICE collaboration.

Applicants may be invited for an interview in Copenhagen.

For further information please contact Principal Supervisor, group leader, Prof. Jens Jørgen Gaardhøje ([gardhoje@nbi.dk](mailto:gardhoje@nbi.dk)).

**Formal requirements**

The position is available for a 3-year period for applicants holding a relevant master's degree or for a 4-year period for applicants who are already enrolled or are accepted to be enrolled at one of the Faculty's master's programmes.

At the time of commencement, applicants for the 4-year period must have approximately one year of study remaining before graduating from their MSc programme.

**Terms of employment**

The position is covered by the Memorandum on Job Structure for Academic Staff.

Terms of appointment and payment accord to the agreement between the Ministry of Finance and The Danish Confederation of Professional Associations on Academics in the State.

The starting salary is currently at a minimum DKK 305,291 including annual supplement (+ pension up to DKK 42,171). Negotiation for salary supplement is possible.

**Application Procedure**

The application, in English, must be submitted electronically by clicking APPLY NOW below.

**Please include**

- Cover Letter, including ideas and visions for the ph.d. project detailing your motivation and background for applying.
- CV
- Diploma and transcripts of records (BSc and MSc)

- Other information for consideration, e.g. list of publications (if any),
- References
- Documentation of English language qualifications, cf. general rules and guidelines, p. 5

The applicant will be assessed according to the Ministry of Science Technology and Innovation Executive Order no. 1039 of 27 August 2013 [PhD Order](#).

The University wishes our staff to reflect the diversity of society and thus welcomes applications from all qualified candidates regardless of personal background.

By the end of **DATE**, all applicants will have received information regarding the evaluation of their application.

**The application deadline is November 15, 2014.**

Applications received later than this date will not be considered.

### **Questions**

For specific information about the PhD scholarship, please contact the principal supervisor.

General information about PhD programmes at SCIENCE is available at [PhD Regulations](#).