Czech Technical University in Prague
Faculty of Nuclear Sciences and Physical Engineering

Projects: “Dynamic properties of Quark Gluon Plasma” GJ20-16256Y and Centre of Advanced Applied Sciences CZ.02.1.01/0.0/0.0/16_019/0000778 announces a **doctoral student position** with expected start date **1.6. 2021**

**Job description:**
The position is established within a project 20-16256Y of the Czech Science Foundation titled “Dynamic properties of Quark Gluon Plasma” and project Centre of Advanced Applied Sciences CZ.02.1.01/0.0/0.0/16_019/0000778.

The selected doctoral student will strengthen the existing research team at the Faculty of Nuclear Science and Physics Engineering at Czech Technical University in Prague.

The main responsibilities of the student will be:
- involvement in the scientific research activities of research groups led by doc. Mgr. Jaroslav Bielčík Ph.D. and Dr. Barbara Trzeciak;
- physics analysis of data from the STAR experiment at RHIC, with a focus on measurements of electrons from decays of heavy-flavour mesons in heavy-ion collisions;
- participation in the operation and support of the STAR experiment infrastructure;
- fulfillment of scientific research and educational activity plans;
- publication of scientific research results;
- active participation in national and international conferences;
- participation in internships;
- transfer of the acquired knowledge to other staff members and students, in a form of e.g. workshops.

**Required qualifications:**
- completed M.Sc. degree program at a university in the Czech Republic or a foreign equivalent recognized by Act No. 111/1998 Coll., on Higher Education Institutions and on Amendments and Supplements to some other Acts (The Higher Education Act);
- enrollment in the Nuclear Engineering doctoral program at the FNSPE CTU in Prague, specialization: Experimental Nuclear and Particle Physics;
- experience in scientific research within a professional research team, preferably in the field of particle or nuclear physics;
- good knowledge of English, both written and verbal;
- working knowledge of a modern programming language (e.g. C, C++, Python);
- creative approach to solving work tasks.
Offered salary:
25 000 Kč/month, with 0.5 FTE financed from the GAČR and 0.3 FTE from the CAAS project.
In addition to the salary, student will received a standard Ph.D. scholarship of 12 000 Kč/month after enrollment in the doctoral program.

Expected start date:
1.6.2021 or later

End date:
30.9.2025

Submission of applications:
We receive applications until position is open. We start to evaluate candidates on 1.5.2021.

Application must include:
Written application for the doctoral student application must contain the following attachments:
- Curriculum Vitae of the candidate;
- brief statement of research interests;
- copy of a M.Sc. degree diploma or certificates of studies, or its foreign equivalent with a translation; candidates must complete all M.Sc. degree requirements before starting their appointment;
- copy of documents proving the knowledge of the English language;
- overview of published articles in impacted journals and other publications;
- overview of conference and workshop presentations;
- three letters of references to be sent electronically to zdenka.cislerova@fjfi.cvut.cz

The application and all the listed above annexes must be signed by the applicant.

The successful candidate will have to go through the official recruitment procedure to the Doctoral School at FNSPE CTU in Prague, in the field of study: Nuclear Engineering, specialization Experimental Nuclear and Particle Physics.
The Doctoral School program starts on October 1st, 2021 with the application deadline on May 25th, 2021:

The applications should be send to:
Mgr. Zdeňka Císlerová,
Břehová 7, 115 19 Praha 1, Czech Republic
e-mail: zdenka.cislerova@fjfi.cvut.cz

In case of any questions, please contact Dr. Barbara Trzeciak
e-mail: BarbaraAntonina.Trzeciak@fjfi.cvut.cz