

FACULTY OF NUCLEAR SCIENCES
AND PHYSICAL ENGINEERING
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DEAN



In Prague, 11. 11. 2024

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The Dean of the Faculty of Nuclear Sciences and Physical Engineering of the Czech Technical University in Prague is announcing the position of

Postdoc/Junior researcher at the Department of Physics within the FORTE project

Offer Description

The Department of Physics at the **Faculty of Nuclear Sciences and Physical Engineering** at the **Czech Technical University in Prague** invites applications for a postdoctoral scholar position starting in or around February 2025. The successful candidate will work on the ATLAS Experiment at the LHC with Dr. Zdenek Hubacek. Analysis will be focused on investigation of events containing high p_T jets collected by ATLAS in Run 3 to measure the inclusive jet and dijet cross sections. Position is initially available for 24 months with a potential for extension depending on the funding situation.

The group currently consists of 2 staff members, one PhD student and one master student and is involved in the measurement of the inclusive jet cross section and related analyses as well as in the Simulation group. Other CTU in Prague members are also involved in the Simulation, ITk upgrade, luminosity measurement and Higgs physics, EW and B-physics analyses.

Qualifications

The candidates should have a PhD, or foreign equivalent, by the time of the beginning of the appointment and should have no more than 7 years in a prior postdoctoral experience. Candidate published at least two publications in the last three years. Candidates can become or continue to be an author of the ATLAS Collaboration.

Requirements

Research Field - Physics

Education Level - PhD or equivalent

Skills/Qualifications

- We are looking for postdoc/junior researcher from around the world who:
- is not more than 7 years after receiving PhD in high-energy particle physics,
 - published at least two publications in the last three years,

- is interested in analysis of high-energy physics data from the ATLAS Experiment focused on high transverse momentum jet cross section measurements (contact Zdenek Hubacek, zdenek.hubacek@fjfi.cvut.cz for details).

Job Information

Research Field – Physics

Researcher Profile - Recognized Researcher (R2)

Number of offers available - 1

Type of Contract - Temporary

Job Status - Full-time (Hours Per Week – 40)

Is the job funded through the EU Research Framework Programme? NO

Is the Job related to staff position within a Research Infrastructure? NO

Additional Information

Benefits

Gross salary 62 000 CZK per month (approx. 2 500 EUR before tax), 6 weeks of paid vacation, health and social insurance. The position is planned as 24 months fellowship at the CTU in Prague (full-time contract). Support of excellent mentors & professional administration, low cost of living in tolerant, progressive and secure country with rich cultural and natural heritage.

The position is planned to start **in or around February, 2025.**

Application Instructions

Candidates should submit a curriculum vitae, a publication list and a statement of their research interests, and should arrange to have three letters of reference submitted on their behalf. Application materials and inquiries should be sent to Dr. Zdenek Hubacek (zdenek.hubacek@fjfi.cvut.cz) by **December 21, 2024**. Selected applicants will be contacted for an online interview in January 2025.



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Dean of the FNSPE

