

ELI Beamlines research centre in Dolní Břežany is part of pan-European infrastructure ELI (Extreme Light Infrastructure) representing a unique tool of support of scientific excellence in Europe by making available its capacities to the best scientific teams across the world. The aim of ELI Beamlines is to establish the most intensive laser system in the world and to operate it on a long-term basis. Due to ultra-high performances of 10 PW (1 petawatt = 1,000,000,000,000,000 watts) and concentrated intensities of up to 10^{24} W/cm², we can offer our users a unique source of radiation and beams of accelerated particles. The so called beamlines will enable ground-breaking research in the area of physics and science dealing with materials, but also in biomedicine and laboratory astrophysics and many other fields. ELI Beamlines is part of the Institute of Physics of the Czech Academy of Sciences, and it was open in 2015.

The Institute of Physics of the Czech Academy of Sciences is a holder of the HR Excellence in Research Award. It is awarded by the European Commission to institutions which put significant effort into improving their HR strategy and ensuring professional and ethical working conditions.

The research group RP2 (Laser driven X-ray sources) is expanding and recruiting physicists in relevant fields for implementation and further development of the sources. In our team we therefore have the following position available:

Junior researcher/PhD student Laser-driven plasma X-ray sources (IV-114)

The candidate is supposed to work predominantly on the following topics:

- operation and maintenance of the kHz laser-driven plasma X-ray source for user applications
- research and development of laser-driven X-ray sources and their diagnostics
- development of scientific applications of sub-picosecond X-ray pulses

Requirements:

- MSc in physics or related field.
- readiness to work in the laboratory
- good knowledge of spoken and written English is necessary
- team player with good communication skills

Job conditions:

- the opportunity to participate in this unique scientific project
- career growth, professional education
- competitive and motivating salary
- 5 weeks of holiday and other employee benefits

Applications, containing CV, cover letter, contacts of references, and any other material the candidate considers relevant, should be sent to Mrs. Jana Ženíšková, HR specialist (jana.zeniskova@eli-beams.eu, +420 - 601560322).

Information regarding the personal data processing and access to the personal data at the Institute of Physics of the Czech Academy of Sciences can be found on: <https://www.fzu.cz/en/processing-of-personal-data>