

The ELI Project is an integral part of the European plan to build the next generation of large research facilities. ELI-Beamlines as a cutting edge laser facility is currently being commissioned near Prague, Czech Republic. ELI will be delivering ultra-short, ultra-intense laser pulses lasting typically a few tens of femtoseconds (10-100 fs) with peak power projected to reach 10 PW. It will make available time synchronized sources ranging from IR to hard X-rays for multi-disciplinary applications in physics, medicine, biology, material science etc.

The research group RP2 (X-ray sources driven by femtosecond lasers) is recruiting physicists in relevant fields for further development of laser driven XUV/X-ray sources and preparation of user experimental activities.

In our team we therefore have the following position available:

POSTDOC

High-rep. rate sources of XUV/X-rays driven by femtosecond lasers

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

- Further development of laser driven kHz secondary sources of XUV/X-ray radiation at the ELI Beamlines facility, particularly source of high-order harmonics and plasma X-ray source.
- Active research within the scope of the experimental programme at ELI or other foreign laser laboratories.
- Participation in users' application experiments.

Requirements:

- PhD in physics or engineering
- Good knowledge femtosecond laser technology, nonlinear optics or plasma physics
- Fluent in English for speaking and writing; knowledge of another language, in particular Czech, is a plus although not mandatory

- Ability to work in a team as well as independently

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 , HR Project Manager (jana.zeniskova@eli-beams.eu). Please include the following text in your cover letter, to allow us to process your personal details:

I agree that, according to the decree 101/2000 coll.(Czech Republic), my personal details sent to FZU AVCR, v.v.i. , Na Slovance 2, 18221 Praha 8, Czech Republic can be used for the purpose of obtaining employment and management of database of employment candidates. This permission is given for the period of one year and can be at any time withdrawn by giving a notice in writing.