

ELI-Beamlines will be the high-energy, repetition-rate laser pillar of the ELI (Extreme Light Infrastructure) project. It will be an international facility for both academic and applied research, slated to provide user capability. The main objective of the ELI-Beamlines Project is delivery of ultra-short high-energy pulses for generation and applications of high-brightness short pulse X-ray sources and accelerated particles. The laser systems will be delivering pulses with length ranging between 10 and 150 fs and will provide high-energy Petawatt and 10-PW peak powers.

Leader of Research Programme 3 Particle Acceleration by Lasers

Key Responsibilities:

1. Supervision of the research activities within the research programme 3 (particle acceleration by lasers) at ELI-Beamlines.
2. Planning and coordinating experimental and theoretical investigations in the field of laser driven particle acceleration, as well as providing proof-of-principle experiments which can envision the potential results achievable at the ELI-Beamlines facility.
3. Coordinating the delivering phase of several beamlines/workstations devoted to ion and electron acceleration by ultraintense femtosecond laser interaction with matter at the ELI-Beamlines facility.
4. Ensuring the implementation of the projects with respect to deadlines, staff, and technologies issues.
5. Liaise with appropriate international and national laboratories/universities.
6. Management of the research team.
7. Solve different ad-hoc problems.

Key Requirements:

1. PhD in the field of Laser Driven Particle Acceleration.
2. Post doc in Laser Driven Particle Acceleration would be a plus.
3. Working experience after PhD (min. 3 years) in Laser Driven Particle Acceleration.
4. Working experience in management of national/international research team/group/projects.
5. Participation in experimental campaigns in large scale laser facilities.
6. Scientific Publications in international peer-reviewed journals (min. 30 as author/co-author) in the field of Laser Plasma Physics.
7. Supervision of Bachelor, Master and PhD Students.
8. Participation as speaker in plenary sessions of international conferences and invited seminars at universities/research institutions.
9. Responsibilities in preparatory phases of large international projects in the field of Laser Plasma Physics would be a plus.
10. Scientific/academic awards would be a plus.
11. Ability to communicate with people, delegate tasks and exact the results. Ability to solve problems and keep the deadlines.
12. Flexible with "can do" attitude, i.e. creative approach to problems solving, would be a big plus.
13. Excellent organizational skills; ability to manage his time efficiently and prioritize; ability to manage his subordinates' time efficiently.
14. Ability of strategic planning and visioning.
15. Ability to cooperate effectively with scientists from foreign and domestic institutions/laboratories/university.
16. Languages: English – fluent in understanding, speaking and writing. Other languages are a plus.

We Offer:

1. Great opportunity of professional development within unique research project.
2. Good salary package.
3. Pleasant working environment.

Location

ELI Beamlines, Institute of Physics AS CR v.v.i., Prague, Czech Republic

Duration

2-3 years renewable, possibility of extension

Application process

Applications should be sent to Mrs Mirka Svobodova (Mirka.Svobodova@eli-beams.eu +420733690901). Please provide your curriculum vitae and cover letter (in English), as well as the names and contact details (e-mail address and phone number) of two references. 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 AV CR, 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.

The deadline for applications is open. Candidates will be reviewed and given initial feedback within about a month and for those that pass initial review reference letters will be sought. Relevant candidates will be invited to interview by phone or videoconference, and final interviews will be held in person.