

**Doctoral Research Assistants (PhD Students)**  
at the **Extreme Light Infrastructure – Nuclear Physics (ELI-NP)**  
**Research Activity 1 – High-Power Laser System**  
*Characterization of the Laser induced damages in multi PW laser systems*

**Job description and Candidate's profile**

**Scope of work:**

The Doctoral research assistants (PhD Students) will pursue their activity in the working groups led by Research Scientists, in order to train skills and prepare their PhD thesis in the field of *characterization of the laser induced damages in multi PW laser systems*.

**Main responsibilities**

- Building high level theoretical background in the field of their PhD thesis;
- Preparation of the optical setups in order to achieve the experimental results required for the PhD thesis;
- Improving scientific knowledge and competencies in ELI-NP research topics and getting familiar with the project research field;
- Performing all activities preceding the preparation of the PhD thesis and conceiving and preparing the PhD thesis in accordance with the ELI-NP research topics;
- Completing the PhD thesis in due time;
- Performing specific tasks within the Research Activity led by a Research Scientist in accordance with the PhD thesis subject;
- Participating in scientific events and schools intended for young researchers;
- Acquiring skills for communicating/presenting information regarding to research activity performed and the scientific article writing activity;
- Participating in specific activities during the installation and commissioning phase;

**Professional background:**

- Enrolled as PhD Student in Physics/Engineer of interest for ELI-NP;
- Excellent results obtained during the studies graduated;
- Strongly motivated to develop a scientific research career;
- Good knowledge of the scientific field relevant for ELI-NP;
- Fluent in English.

**Working arrangements/Conditions of employment:**

- Full time position, based in Bucharest - Magurele, Romania, for a period of 1 (one) year with the possibility of several successive extensions of one year, until completion of the PhD studies;
- Included: private medical coverage, paid annual leave;
- Motivating salary, at European level, based on qualifications and experience.
- The candidate should be available to travel abroad for scientific collaboration at various research infrastructures, for part of their time.
- The approval of the PhD Supervisor and of the PhD school management.

**Applications**

The requests for information and applications shall be accompanied by the documents requested in the Rules of Selection for this position.

The applications shall be sent to the Human Resources Department at [human.resources@eli-np.ro](mailto:human.resources@eli-np.ro).