

**Technician**  
at the **Extreme Light Infrastructure – Nuclear Physics (ELI-NP)**  
**Research Activity 5** – Experiments with Combined Laser and Gamma Beams  
*Vacuum R&D*

**Job Description and Candidate's Profile**

**Scope of work**

The ELI-NP Technicians will ensure the technical support for the equipment and the experiments during both the implementation and the operational phases of ELI-NP.

In the operational phase, the technicians will participate to the upgrades and updating existing experimental assemblies, as well as to the development of new experimental setups in Research Activity 5.

**Main responsibilities:**

- Acquiring the necessary knowledge and getting sufficient expertise for the installation, maintenance and monitoring the functioning of the equipment;
- Providing technical support for scientific and engineering activities, for the preparation and development of the experimental setups;
- Providing assistance and technical support during the operational phase to maintain the best performance of the ELI-NP.

**Main tasks:**

- Installation, acceptance testing, maintenance, support and documentation of systems within Research Activity 5 related to vacuum systems;
- Providing technical support for scientific and engineering activities;
- Actively and efficiently communicating within the ELI-NP team to promote a harmonious collaboration framework;
- Participating to the preparation of technical documents and reports.

**Professional background:**

- High-school graduation diploma;
- Post high-school technical training in fields of interest for ELI-NP;
- Experience with high vacuum systems, preferably in the framework of laser, nuclear or high-energy physics experiments;
- Understanding of vacuum technology principles (e.g. pumping speed, partial pressures, line conductance);
- Understanding of the state of the vacuum industry and available technical options, cleaning and baking techniques;
- Fluency in English;
- Proven teamwork experience, communication and efficient collaboration skills;
- Availability to travel and perform work stages abroad;

**Would be a plus:**

- Practical expertise in leak detection and residual gas analyser data interpretation;
- Experience in using CNC machining for custom made components;
- Experience with vacuum compatible materials and systems.

**Working arrangements/Conditions of employment:**

- Full-time position, based in Bucharest–Magurele, Romania;
- Included: private medical coverage, paid annual leave;
- Motivating salary, at European level, based on qualifications and experience;
- Professional, multicultural and interdisciplinary work environment;
- Participation to specific training courses.

**Applications:**

Applications shall be accompanied by the documents requested in the Rules of Selection for this position;

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