

ELI Beamlines is a part of the ELI (Extreme Light Infrastructure) pan-European project representing a unique tool of support of scientific excellence in Europe. ELI Beamlines aims to operate the world's most intense laser system.

With ultra-high power 10 PW and concentrated intensities of up to 1024 W/square cm, we offer our users a unique source of radiation and rays of accelerated particles. These beamlines are enable pioneering research not only in physics and material science, but also in biomedicine and laboratory astrophysics and many other fields.

The ELI Beamlines is part of the Institute of Physics of the Czech Academy of Sciences, and it was open in 2015.

Student Internship

Data analysis of time-resolved ellipsometry experiments on materials for solar water splitting

Expected duration: Up to 6 months

Abstract:

ELI Beamlines is happy to invite motivated students to participate in the data analysis of time-resolved ellipsometry experiments on materials for solar water splitting.

The internship is primarily intended to motivate university students to work within the research centre and in science in general. It is appreciated, but not necessary, that the internship is part of the BcS work of the student.

Candidate profile:

Strong motivation study and learn material science through ultrafast spectroscopy. Knowledge of Matlab for data analysis. Previous experience form spectroscopic ellipsometry or time resolved spectroscopy experiments is highly appreciated. Spoken and written English.

Interviews will begin immediately and the position will stay open until filled.

Applications should be sent to Mrs. Markéta Pávková via email: marketa.pavkova@eli-beams.eu.

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>.