

Optical spectroscopy at ELI: latest results and future possibilities

Miroslav Kloz

ELI Beamlines, Czech Republic

Miroslav.Kloz@eli-beams.eu

Ultrafast optical spectroscopies can deliver rich information about dynamic of molecules and solid states.

Information about actual 3D structure is not as rich as some X-ray experiments can in principle be, but that is balanced by higher level of experimental maturity of optical experiments. At ELI facility we can conduct a broad range of optical spectroscopies including vibration spectroscopies that deliver direct information about formation and geometry of chemical bonds.