



Contribution ID: 92

Type: Poster

Ultrafast Electron Diffraction at Stellenbosch University

Femtosecond electron diffraction in principle allows for the observation of the initial dynamics of photo-induced processes in molecules and condensed phase with atomic spatial and temporal resolution. The method is based on the classical pump-probe spectroscopy with femtosecond laser pulses, but the difference being that the laser probe-pulse is replaced by an ultrashort electron pulse, which is diffracted off the target.

Primary author: Mr ERASMUS, Nicolas (Stellenbosch University)

Presenter: Mr ERASMUS, Nicolas (Stellenbosch University)

Track Classification: Track C - Lasers, Optics and Spectroscopy