



Contribution ID: 138

Type: poster

## High Harmonic Generation in Gaseous Medium by Double-Pulse Forms

*Monday 1 July 2019 18:15 (2 hours)*

Applying the double-pulse form to generate gas high-order harmonics, the appeared harmonics are narrower and more intense compared to the harmonics that generated by a regular Gaussian-shaped pulse. In this way, a practical method to generate intense, monochromatic pulses in the XUV region is proposed.

**Authors:** GULYÁS OLDAL, Lénárd (ELI-ALPS, ELI-HU Non-Profit Ltd.); CSIZMADIA, Tamás (ELI-ALPS, ELI-HU Non-Profit Ltd.); Dr YE, Peng (ELI-ALPS, ELI-HU Non-Profit Ltd.); NANDIGA GOPALAKRISHNA, Harshitha (ELI-ALPS, ELI-HU Non-Profit Ltd.); FÜLE, Miklós (ELI-ALPS, ELI-HU Non-Profit Ltd.); Dr ZAIR, Amelle (ELI-ALPS, ELI-HU Non-Profit Ltd.)

**Presenter:** GULYÁS OLDAL, Lénárd (ELI-ALPS, ELI-HU Non-Profit Ltd.)

**Session Classification:** Poster session 1