



Contribution ID: 175

Type: **oral**

Generalized Phase Sensitivity of Molecular Bond Breaking

Monday 1 July 2019 11:30 (15 minutes)

We investigated the relation between the intrinsic and CEP-induced asymmetries in laser-induced bond-breaking of H_2 . We show that the intrinsic asymmetry is modulated by the CEP via the variation of the field-strength at the ionization-time.

Authors: Mrs KANGAPARAMBIL, Sarayoo Sasidharan (TU Wien); Mr HANUS, Vaclav (TU Wien); Mr LARIM-IAN, Seyedreza (TU Wien); Mr XIE, Xinhua (TU Wien); Mr SCHÖFFLER, Markus (J.W. Goethe-Universität); Mr LÖTSTEDT, Erik (The University of Tokyo); Mr WANG, Jun-Ping (Shanghai Jiao Tong University); Mr HE, Feng (Shanghai Jiao Tong University); Mr PAULUS, Gerhard (Friedrich-Schiller Universität Jena); BALTUSKA, Andrius (TU Wien); Mr KITZLER, Markus (TU Wien)

Presenter: Mrs KANGAPARAMBIL, Sarayoo Sasidharan (TU Wien)

Session Classification: Laser-induced dynamical processes in molecules