



Contribution ID: 262

Type: **oral**

Reconstruction of Valence Electron Density in Solids using Optical Laser Fields

Thursday 4 July 2019 09:30 (15 minutes)

In this work, we show that the high harmonic generation in solids in the presence of intense optical laser fields allows us to visualize valence electrons with a sub-Angstrom resolution for the first time.

Authors: LAKHOTIA, Harshit (University of Rostock); KIM, Hee-Yong (University of Rostock); Dr ZHAN, Minjie (University of Rostock); Mr HU, Shiqi (Institute of Physics, Chinese Academy of Sciences); Prof. MENG, Sheng (Institute of Physics, Chinese Academy of Sciences); Prof. GOULIELMAKIS, Eleftherios (University of Rostock)

Presenter: LAKHOTIA, Harshit (University of Rostock)

Session Classification: High-harmonic spectroscopy and generation in solid materials