



Contribution ID: 286

Type: **poster**

## Following Phonon Dynamics in Solids Using High-Harmonic Spectroscopy

*Wednesday 3 July 2019 18:00 (2 hours)*

Ultrahigh-order wave mixing is observed in quartz using non-collinear two-color interferometric measurements. Using this methodology, we can initiate, control, follow, and reconstruct phonon dynamics of quartz in real-time with high fidelity.

**Authors:** LUU, Tran Trung (ETH Zürich); Prof. KUHN, Tilmann (University of Münster); Dr LENGERS, Frank (University of Münster); Mr MOLITOR, Magnus (University of Münster); Prof. REITER, Doris E. (University of Münster); Dr WIGGER, Daniel (University of Münster); Prof. WÖRNER, Hans Jakob (ETH Zürich)

**Presenter:** LUU, Tran Trung (ETH Zürich)

**Session Classification:** Poster session 2