



Contribution ID: 242

Type: **poster**

Ultrafast Background-Free Detection of Ring Currents by Symmetry Breaking High Harmonic Spectroscopy

Wednesday 3 July 2019 18:00 (2 hours)

We propose and theoretically explore an all-optical technique for detecting atomic, molecular, or solid ring-currents based on high harmonic generation, where ring current-carrying media emit elliptically polarized high harmonics, whereas current-free media emit strictly linearly polarized harmonics.

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Session Classification: Poster session 2