



Contribution ID: 132

Type: poster

Coherent Multichannel Dynamics of Aligned Molecules Resolved by Two Dimensional High-harmonic and Terahertz Spectroscopy

Monday 1 July 2019 18:15 (2 hours)

We combine the simultaneous measurement of terahertz wave and high harmonic emission to resolve the coherent multichannel electron dynamics of aligned CO₂ molecules driven by two-color laser field. It provides a new tool for detecting and resolving these multi-electron phenomena.

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Session Classification: Poster session 1