



Contribution ID: 280

Type: oral

Mapping Electric Fields with Solid-state High Harmonic Generation

Tuesday 2 July 2019 09:45 (15 minutes)

In centrosymmetric materials, even order harmonics that are normally forbidden can be produced in the presence of a symmetry-breaking electric field. This allows optical measurements of fields in semiconductors with high temporal and spatial resolution.

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Session Classification: High-harmonic generation in solids and liquids