



Contribution ID: 56

Type: **Presentation**

## **Selective Excitation of a Vibrational Level within the Electronic Ground State of a Polyatomic Molecule with Ultra Short Pulses**

Coherent control of the upper vibrational level populations in the electronic ground state of a polyatomic molecule was simulated. Results indicate that selective excitation of a specific upper state level is possible.

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**Track Classification:** Track C - Lasers, Optics and Spectroscopy