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Enhancement of High-order Harmonic Generation with a Spatially and Transversely Inhomogeneous Field

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We designed a novel method to increase the high-order harmonic yield by introducing a spatial and transverse inhomogeneity into a mid-infrared laser field, which can be achieved by the illumination of plasmonic nanostructures with a short laser pulse.

Author: Dr QIN, Meiyang (Wuhan Institute of Technology)

Presenter: Dr QIN, Meiyang (Wuhan Institute of Technology)

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