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Asymmetry of the Photoelectron Momentum Distribution from Molecular Ionization in Elliptically Polarized Laser Pulses

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We theoretically study the photoelectron momentum distributions (PMDs) of H_2^+ in elliptically polarized laser fields. Depending on the internuclear distance of H_2^+ by numerically solving the time-dependent Schrödinger equation (TDSE), the PMDs reveal different asymmetries with respect to the major and minor axes of the laser ellipse.

Authors: Dr QIN, Yanan (Huazhong University of Science and Technology); LI, Min (Huazhong University of Science and Technology); LI, Yang (Huazhong University of Science and Technology); HE, Mingrui (Huazhong University of Science and Technology); LUO, Siqiang (Huazhong University of Science and Technology); LIU, Yali (Huazhong University of Science and Technology); ZHOU, Yueming (Huazhong University of Science and Technology); LU, Peixiang (Huazhong University of Science and Technology)

Presenter: Dr QIN, Yanan (Huazhong University of Science and Technology)

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