

Abstract Submitted
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Ellicity dependence of Harmonic Generation in C₆₀¹ GUOPING ZHANG, Department of Physics, Indiana State, THOMAS F. GEORGE, Office of the Chancellor, University of Missouri-St. Louis — C60 shows a large off-resonant third harmonic generation. Its higher harmonic generation is of great interest both scientifically and technologically. We investigate how the laser ellipticity affects the harmonic generation. For the first time, we demonstrate a clear interference effect in the harmonic generation. This clarifies the roles of laser pulse duration and laser intensity on the ellipticity dependence. This should have a profound impact on the future attosecond tomography. This work was supported by ARO. G. P. Zhang, Phys. Rev. Lett. **95**, 047401 (2005).

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