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Harmonic Generation Enhancement due to Interaction of Few-Cycle Light Pulses in Nonlinear Dielectric Coating on a Mirror

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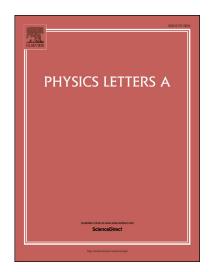
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Highlights

- Problem of few-cycle pulse reflection from a mirror with a nonlinear layer was solved
- Interaction of input and reflected pulse modify THG efficiency
- Counter-directional interactions increase spectral broadening for ultra-short pulses.

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