

GENERATION AND PROPERTIES OF HHG RADIATION

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Abstract

When an intense laser field interacts with an atomic gas, nonlinear processes take place, leading to the emission of high-order harmonics of the laser radiation. In the spectral domain, a comb of odd-order harmonics is obtained, while in the temporal domain, the emission consists of a sequence of extremely short pulses of light, in the attosecond range. This talk will review the basic physics of high-order harmonic generation, the performances that can be obtained as well as some of the applications.

**CONTRIBUTION NOT
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