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Theoretical Investigation of Resonant High-Harmonic Generation from Transition Metal Plasma Based on First-Principles Method

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Resonant high-harmonic generation (rHHG) offers an attractive way for increasing conversion efficiency at the resonant energy. In this work, we theoretically investigate the physical origin of resonant enhancement from atomic Mn and its cation and have found that the enhancement is attributable to a constructive interference between 3p-3d transition components.

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