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Generation of attosecond pulse in interaction of chirped femtosecond laser pulse with nitrous oxide molecule SAKINEH KOSAR SADIGHI, Niroo Research Institute Sharif University of Technology, MOHAMMAD MONFARED, ELNAZ IRANI, RASOUL SADIGHI BONABI, Sharif University of Technology, LASER RESEARCH LAB TEAM[1] — High harmonic generation in interaction of femtosecond chirped laser pulse with nitrous oxide molecule is investigated. The effects of positive and negative chirp are studied in this plasmas. Three dimensional calculation of molecular dynamics is formulated using time-dependent density functional approach. Extending of cut-off frequency for positive chip and increasing of attosecond pulse intensity for negative chirp is the remarkable results of this work.

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