

Abstract Submitted  
for the DAMOP08 Meeting of  
The American Physical Society

**Triple dissociative ionization of diatomic molecules in strong laser fields** J. WU, CHUNLEI GUO, University of Rochester — We study triple dissociative ionization of diatomic molecules in strong laser fields with different laser polarizations. We demonstrate that we can control the molecules to reach their final states either vertically or nonvertically. Kinetic energy release is used to characterize different pathways. The results shown here allow us to gain a better understanding on controlling the pathway of molecular dissociative ionization.

Chunlei Guo  
University of Rochester

Date submitted: 04 Feb 2008

Electronic form version 1.4