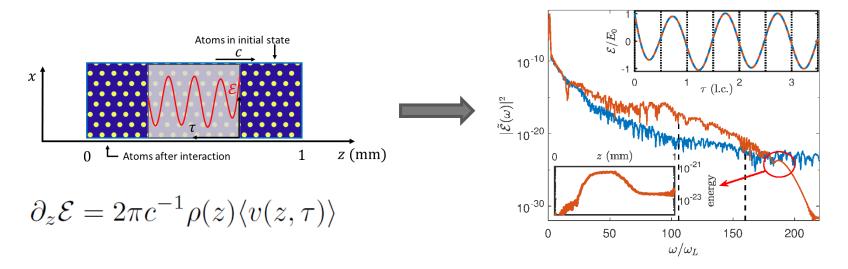
## Phase space perspective on the coherent buildup of high harmonic radiation Georgia Fech

S.A. Berman, J. Dubois, C. Chandre, M. Perin, T. Uzer



High harmonic generation is the production of coherent high-frequency radiation observed during the propagation of intense, ultrashort laser pulses through atomic gases. The self-consistent interaction between the laser field and the atomic electrons drastically alters the spectrum throughout propagation.



Our goal: understand the buildup of the high harmonics throughout propagation using a reduced fully classical model.