Photoelectron momentum spectra for multiphoton ionization of Hydrogen atoms by intense laser pulses\footnote{This work is supported by DOE Grant No. DE-FG02-02ER15283} SERGE OVCHINNIKOV, University of Tennessee, JOSEPH MACEK, University of Tennessee / ORNL — Full three-dimensional electron momentum distribution for multiphoton ionization of Hydrogen atoms by intense laser pulses are calculated by solving the time-dependent solutions of Schrödinger equation on a three-dimensional lattice in a scaled coordinate representation (CS LTDSE). This approach allows one to circumvent many difficulties related to the propagation of wave function to macroscopic distances.