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Photo angular distributions of few photon ionization of atomic targets in superpositions¹ JOEL VENZKE, AGNIESZKA JARON-BECKER, ANDREAS BECKER, JILA and Department of Physics, University of Colorado, Boulder — Few photon ionization of atomic targets with EUV and VUV pulses has been of recent theoretical and experimental interest. This presentation will discuss photo angular distributions obtained via numerical solutions of the Time Dependent Schrodinger equation for atoms prepared in superposition of states. The impacts of pulse length and intensity on the photo angular distributions will be discussed including a generalization of the asymmetry parameters that readily distinguishes the two dominant pathways to ionization.

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