IDENTIFYING INFORMATION:

NAME: Weinacht, Thomas

ORCID iD: https://orcid.org/0000-0001-9343-7276

POSITION TITLE: Professor of Physics

PRIMARY ORGANIZATION AND LOCATION: Stony Brook University, Stony Brook, New York, United States

Professional Preparation:

ORGANIZATION AND LOCATION	DEGREE (if applicable)	RECEIPT DATE	FIELD OF STUDY
University of Michigan, Ann Arbor , Michigan, United States	PHD	08/2000	Physics
University of Toronto, Toronto, Ontario, ON, Canada	BS	05/1995	Physics

Appointments and Positions

2002 - present Professor of Physics, Stony Brook University, Stony Brook, New York, United States
2014 - present Professor of Physics, Stony Brook University, Stony Brook, New York, United States
2008 - 2014 Associate Professor of Physics, Stony Brook University, Stony Brook, New York, United States
2002 - 2008 Assistant Professor of Physics, Stony Brook University, Stony Brook, New York, United States
2000 - 2002 Postdoctoral Fellow, JILA/University of Colorado, Boulder, Colorado, United States

Products

Products Most Closely Related to the Proposed Project

1. Cheng C, Frasinski LJ, Moğol G, Allum F, Howard AJ, Rolles D, Bucksbaum PH, Brouard M, Forbes R, Weinacht T. Multiparticle Cumulant Mapping for Coulomb Explosion Imaging. Phys Rev Lett. 2023 Mar 3;130(9):093001. PubMed PMID: 36930921.
2. Cheng C, Singh V, Matsika S, Weinacht T. Strong Field Double Ionization of Formaldehyde Investigated Using Momentum Resolved Covariance Imaging and Trajectory Surface Hopping. J Phys Chem A. 2022 Oct 13;126(40):7399-7406. PubMed PMID: 36178987.
3. Chakraborty P, Liu Y, McClung S, Weinacht T, Matsika S. Nonadiabatic Excited State Dynamics of Organic Chromophores: Take-Home Messages. J Phys Chem A. 2022 Sep 15;126(36):6021-6031. PubMed PMID: 36069531.
4. Cheng C, Moğol G, Weinacht T, Nomerotski A, Trallero-Herrero C. 3D velocity map imaging of electrons with TPX3CAM. Rev Sci Instrum. 2022 Jan 1;93(1):013003. PubMed PMID: 35104954.
5. Chakraborty P, Liu Y, McClung S, Weinacht T, Matsika S. Time Resolved Photoelectron Spectroscopy as a Test of Electronic Structure and Nonadiabatic Dynamics. J Phys Chem Lett. 2021 Jun 3;12(21):5099-5104. PubMed PMID: 34028278.

Other Significant Products, Whether or Not Related to the Proposed Project

1. Kaufman B, Rozgonyi T, Marquetand P, Weinacht T. Coherent Control of Internal Conversion

in Strong-Field Molecular Ionization. Phys Rev Lett. 2020 Jul 31;125(5):053202. PubMed PMID: 32794883.

2. Liu Y, Rozgonyi T, Marquetand P, Weinacht T. Excited-state dynamics of CH(2)I(2) and CH(2)IBr studied with UV-pump VUV-probe momentum-resolved photoion spectroscopy. J Chem Phys. 2020 Nov 14;153(18):184304. PubMed PMID: 33187419.
3. Chakraborty P, Liu Y, Weinacht T, Matsika S. Effect of dynamic correlation on the ultrafast relaxation of uracil in the gas phase. Faraday Discuss. 2021 May 27;228(0):266-285. PubMed PMID: 33566040.
4. McClung S, Abeygunewardane D, Matsika S, Weinacht T. Excited-state dynamics of o-nitrophenol studied with UV pump-VUV probe time-resolved photoelectron and photoion spectroscopy. J Chem Phys. 2023 Apr 14;158(14):144303. PubMed PMID: 37061485.
5. Howard AJ, Britton M, Streeter ZL, Cheng C, Forbes R, Reynolds JL, Allum F, McCracken GA, Gabalski I, Lucchese RR, McCurdy CW, Weinacht T, Bucksbaum PH. Filming enhanced ionization in an ultrafast triatomic slingshot. Commun Chem. 2023 Apr 27;6(1):81. PubMed Central PMCID: PMC10140156.

Synergistic Activities

1. DAMOP Fellowship Committee (2022-2023, Chair)
2. Chair of the Linac Coherent Light Source Ultrafast Electron Diffraction Proposal Review Panel (2020)
3. Chair of the New Laser Scientists Conference (2018)
4. DAMOP Thesis Prize Committee (2016-2018)
5. Vice Chair and Chair Gordon Conferences on Quantum Control of Light and Matter (2011, 2013)

Certification:

When the individual signs the certification on behalf of themselves, they are certifying that the information is current, accurate, and complete. This includes, but is not limited to, information related to domestic and foreign appointments and positions. Misrepresentations and/or omissions may be subject to prosecution and liability pursuant to, but not limited to, 18 U.S.C. §§ 287, 1001, 1031 and 31 U.S.C. §§ 3729-3733 and 3802.

Certified by Weinacht, Thomas in SciENcv on 2023-08-17 08:11:58