

Dragan Huterer

Curriculum Vitae (October 2023)

Department of Physics
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Academic Positions

University of Michigan, Department of Physics
Associate Chair for the Graduate Program in Physics *2023 – present*
Professor *2017 – present*
Associate Professor *2012 – 2017*
Assistant Professor *2007 – 2012*

University of Chicago *2004 – 2007*
NSF postdoctoral fellow at Kavli Institute for Cosmological Physics and the Department of Astronomy and Astrophysics.

Case Western Reserve University *2001 – 2004*
Research Associate in the Particle-Astrophysics Group, Physics department.

Education

University of Chicago *1996 – 2001*
Ph.D. in Physics. Advisor: Michael Turner. Thesis title: “Weak Lensing and Dark Energy”.

Massachusetts Institute of Technology *1992 – 1996*
Bachelor of Science degree in Physics with minors in Mathematics and French.

Honors

Bessel Research Prize (awarded by the Humboldt Foundation, Germany) *2018*
Fellow of the American Physical Society *Elected 2017*
Henry Russel Award (“UM’s highest honor for faculty at the early to mid-career stages”) *2014*
DOE Outstanding Junior Investigator (OJI) *2008 – 2012*
NSF Astronomy and Astrophysics Postdoctoral Fellowship (AAPF) *2004 – 2007*
Abdul Latif Jameel/Toyota Scholarship (at MIT) *1995 – 1996*
Member, Sigma Pi Sigma, National Physics Honor Society *Elected 1995*

Citation Statistics

Statistics	INSPIRE	ADS	Google Scholar	
total cites	24706	22874	26548	<i>Oct 2023</i>
cites/author	—	4198	—	
h-index	76	73	80	

8 papers are topcite 500+, 15 papers are topcite 250+, and another 34 papers are topcite 100+ according to INSPIRE.

**Advising
(research)**

Primary mentor to 14 graduate students, approximately 15 undergraduates, and 7 post-doctoral fellows since arrival to UM.

Graduate student	Topic	PhD	Present job
Cameron Gibelyou	Dipoles in the sky	2012	Academic Program Officer (UM)
Adam Becker	Primordial non-Gaussianity	2012	Science writer (LBL)
Eduardo Ruiz	Growth of structure	2014	Matrix Research (Ohio)
Daniel Shafer	Dark energy	2016	DeepGram
Mijin Yoon	Kinematic dipole in LSS	2016	Postdoc, German Ctr. Lensing
Jessie Muir	DES; CMB anomalies	2018	Postdoc, Perimeter Institute
Noah Weaverdyck	DES; LSS systematics	2021	Chamberlain Fellow, LBL
Angela Chen	DES; baryonic effects	2021	Postdoc, IPMU
Youjia Wu	Dark matter	2022	Bosch (China)
Yuewei Wen	Growth of structure	2023	High-school teacher
Emery Trott	GW dark sirens	TBA	
Sikandar Hanif	DESI science	TBA	
Otavio Alves	DESI science	TBA	
Tianke Zhuang	DESI science	TBA	
Jiaming Pan	DESI science	TBA	

Undergraduate student	Department	Year(s)	After UM	Comments
Wendy Wong	Physics	2008-09	Job	
Sophie Zhang	Physics	2008-12	Princeton	2 Pubs, Thesis
Jingyuan Chen	Physics	2009-11	UChicago	
Zimu Li	Physics	2010-11	UChicago	Thesis
Bardia Nadim	Physics	2013-14	Med School	Thesis
Kyle Hinton	Physics	2013-15	Job	Publication
Brian Cook	Physics	2014-15	GA Tech	Thesis
Nicholas Weinberg	Physics	2015-17	—	
Levent Toksoz	Physics	2015-17	U. Chicago	Thesis
Michael Liberato	Physics	2016-18	software eng.	Publication (PRL)
John Soltis	Physics	2016-19	JHU	Publication (PRL)
Mayura Balakrishnan	Physics	2018-20	UM Astro	Thesis
Trevor Gravely	CS/Physics	2018-19	Vanderbilt U.	
Dhayaa Anbayagane	Physics	2019-20	U. Chicago	Publication
Aidan Meador-Woodruff	Physics	2021-	—	
Carter Matties	Physics	2023-	—	

Advising (continued)	Postdoc	Years at UM	Present Job
	Carlos Cunha	2008-11	Data scientist at Bosch
	Devdeep Sarkar	2009-11	Finance at Goldman Sachs
	Wenjuan Fang	2009-12	Faculty at USTC, China
	Hao-Yi (Heidi) Wu	2011-14	Faculty at Boise State Univ.
	Saroj Adhikari	2016-19	Faculty at SUNY Plattsburgh
	Minh Nguyen	2021-25	
	Uendert Andrade	2022-25	
	Johannes Lange	2022-25	

Funding (PI only)	NSF Astronomy and Astrophysics Grants, \$362,000	<i>2023-26</i>
	DOE Huterer portion of umbrella grant, \$600,000	<i>2021-24</i>
	Friedrich Bessel Award by Humboldt Foundation, €45,000	<i>2020-21</i>
	NASA Astrophysics Theory Grants, \$444,665	<i>2020-23</i>
	NSF Huterer portion of AAG, \$172,000	<i>2018-21</i>
	DOE Huterer portion of umbrella grant, \$240,000	<i>2018-21</i>
	NSF support for COSMO-16 \$5,040	<i>2016</i>
	Michigan Inst. for Res. in Astrophysics support for COSMO-16 \$24,000	<i>2016</i>
	NASA Astrophysics Theory Grants, \$334,260	<i>2015-18</i>
	LSA Associate Professor Support Fund, \$92,941	<i>2015-17</i>
	DOE Huterer portion of umbrella grant, \$300,000	<i>2015-18</i>
	NSF AAG supplement, \$59,740	<i>2014-15</i>
	NSF AAG supplement, \$66,508	<i>2013-14</i>
	DOE Huterer portion of umbrella grant, \$335,239	<i>2012-15</i>
	NSF Astronomy and Astrophysics Grants, \$295,344	<i>2012-16</i>
	NASA Astrophysics Data Analysis Program, \$361,943	<i>2009-12</i>
	NSF Astronomy and Astrophysics Grants, \$352,550	<i>2008-11</i>
	DOE Outstanding Junior Investigator, \$450,000	<i>2008-12</i>
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TOTAL:	\$4.6 million	

Leadership Positions	Associate Chair for Graduate Program in Physics	<i>2023-present</i>
	Chair of the launch committee (for new UM faculty members)	<i>2022, 2023</i>
	Co-chair of DESI KP7 (Year-1 cosmological parameters key project)	<i>2021-present</i>
	Co-chair of DES Theory and Combined Probes Working Group	<i>2018-21</i>
	Editor, Astroparticle Physics.	<i>2013-21</i>
Professional Service (international)	Principal organizer, Michigan Cosmology Summer School (150 in-person and ~300 virtual participants)	<i>2023</i>
	Co-organizer, Tehran Meeting on “Cosmology at a Crossroads”.	<i>2021</i>
	Principal organizer, Michigan Cosmology Summer School (250 virtual participants).	<i>2020</i>
	Chair, cosmology section of NASA Einstein-Hubble-Sagan fellowship panel.	<i>2019</i>
	Principal organizer, DES Y3 workshop at LCTP, University of Michigan.	<i>2018</i>
	Served on multiple DOE, NASA and NSF proposal review panels (about 2/year), as well as panels of funding agencies of Austria, Chile, Germany, and Portugal.	<i>2007-present</i>
	Referee (about 20 times/year) for physics journals (Phys. Rev. D, Phys. Rev. Lett., Mon. Not. Royal Astr. Soc., Astrophys. J., etc.).	<i>2007-present</i>
	Organizer, Aspen Center for Physics workshop “Testing the Laws of Gravity with Redshift Surveys”.	<i>2016</i>
	Principal organizer, COSMO-16 conference (~300 participants), University of Michigan.	<i>2016</i>
	Organizer, Aspen Center for Physics workshop “Non-Gaussianity as a Window to the Primordial Universe”.	<i>2012</i>
	Co-author of the DOE Community Dark Energy Task Force Report which identifies opportunities and key missing components in the current DOE Cosmic Frontier program. (http://science.energy.gov/hep/hepap/meetings/20120827).	<i>2012</i>
	Organizer, Non-Gaussianity Workshop (~70 participants), Michigan Center for Theoretical Physics.	<i>2011</i>
	Organizer, Workshop on Low-multipole and Large Angle Cosmology (~40 participants), Case Western Reserve University.	<i>2010</i>
	Member of the DOE committee for Figure of Merit for the Joint Dark Energy Mission (JDEM) competition.	<i>2008-2009</i>
	Lead Guest Editor of the Special Issue of the journal Advances in Astronomy on “Testing the Gaussianity and Statistical Isotropy of the Universe”.	<i>2009 – 2010</i>

Professional Service (UMich)	Executive Committee (ex officio)	2023-24
	Graduate Program (Associate Chair)	
	Faculty Awards Committee	
	Graduate Program Admissions (Chair)	
	Life in Graduate School	
	Qualifying Exam	
	Mentor for Junior Faculty (Camille Avestruz)	
	Faculty Awards Committee	2022-23
	Graduate Program Admissions	
	Ta-You Wu/Ford Foundation/ Baer Lectures	2021-22
	Graduate Program Admissions	
	[Away on leave+sabbatical]	2020-21
	Faculty Search Committee (Chair)	2019-20
	Undergraduate Introductory Physics Committee	
	Undergraduate Major Advisers	
	Mentor for Junior Faculty (Camille Avestruz)	
	Astrophysics & HEP Seminar	2018-19
	Faculty Search Committee (Chair)	
	Undergraduate Major Advisers	
	Faculty Search Committee (Co-Chair)	2017-18
	Graduate Program Admissions	
	Undergraduate Major Advisers	
	Faculty Search Committee	2016-17
	Undergraduate Major Advisers	
	Graduate Program Admissions U	2015-16
	Undergraduate Major Advisers	
	Executive Committee	2014-15
Commencement Marshals (Fall Term)		
Executive Committee	2013-14	
General Colloquium (Fall Term)		
Society of Physics/Student Advisor (SPS) (Fall and Winter – Chair)		
Executive Committee	2012-13	
General Colloquium		
Graduate Admissions & Fellowships		
Society of Physics/Student Advisor (SPS)		
Graduate Admissions & Fellowships	2011-12	
Undergraduate Honors Senior Thesis Reader and Williams Award (Chair)		
General Colloquium	2010-11	
Astrophysics & HEP Seminar	2009-10	
Admissions & Fellowships (Graduate Program)		
Faculty Third Year Review		
Astrophysics/HEP Seminar	2008-09	
Graduate Admissions		
Information Technology		
Astrophysics & HEP Seminar	2007-08	
Computing Committee		

Courses Taught	Year/semester	Course Name	Course Num.	Enrollment
	Fall 2023	Cosmology II (grad)	Physics 526	7
	Winter 2022	Intro Mechanics, Studio-Style	Physics 140	120
	Fall 2022	Intro Mechanics, Studio-Style	Physics 140	118
	Winter 2022	Intro Mechanics, Studio-Style	Physics 140	122
	Fall 2021	Intro Mechanics, Studio-Style	Physics 140	111
	Winter 2020	Intro Mechanics, Studio-Style	Physics 140	113
	Fall 2019	Intro Mechanics, Studio-Style (2 secs.)	Physics 140	231
	Winter 2019	Cosmology I (grad)	Physics 525	10
	Fall 2018	Intro E&M	Physics 240	168
	Winter 2018	Cosmology I (grad)	Physics 525	12
	Fall 2017	Intro E&M	Physics 240	159
	Winter 2017	Intro Mechanics, Honors	Physics 160	18
	Fall 2016	Cosmology II (grad)	Physics 526	5
	Fall 2015	Cosmology II (grad)	Physics 526	5
	Fall 2014	Cosmology II (grad)	Physics 526	8
	Winter 2014	Intro Mechanics, Honors	Physics 160	33
	Winter 2013	Particles and Cosmology (undergrad)	Physics 457	12
	Fall 2012	Intro to Astrophysics (grad)	Physics 525	9
	Winter 2012	Advanced Astrophysics (grad)	Physics 668	11
	Fall 2011	Intro Mechanics, Honors	Physics 160	75
	Fall 2010	Intro to Astrophysics (grad)	Physics 525	18
	Winter 2010	Particles and Cosmology (undergrad)	Physics 457	16
	Fall 2009	Cosmology (freshman)	Physics 112	16
	Winter 2009	Special Topics	Physics 690	8
	Winter 2009	Particles and Cosmology (undergrad)	Physics 457	19
	Fall 2008	Intro Mechanics, Honors	Physics 160	37
	Winter 2008	Intro Mechanics (discussions)	Physics 140	101

**Publications
(Refereed or
Submitted)**

202. D. Huterer and H.-Y. Wu, “Not empty enough: a local void cannot solve the H_0 tension”, arXiv:2309.05749
201. G.A. Marques et al (DES and ACT collaborations), “Cosmological constraints from the tomography of DES-Y3 galaxies with CMB lensing from ACT DR4”, arXiv:2306.17268
200. A.G. Adame et al (DESI collaboration), “The Early Data Release of the Dark Energy Spectroscopic Instrument”, arXiv:2306.06308
199. A.G. Adame et al (DESI collaboration), “Validation of the Scientific Program for the Dark Energy Spectroscopic Instrument”, arXiv:2306.06307
198. T.M.C. Abbott et al (DES and KiDS collaborations), “DES Y3 + KiDS-1000: Consistent cosmology combining cosmic shear surveys”, arXiv:2305.17173
197. Y. Wen, N-M. Nguyen, D. Huterer, “Sweeping Horndeski Canvas: New Growth-Rate Parameterization for Modified-Gravity Theories”, *JCAP*, **09** (2023) 028
196. N-M. Nguyen, D. Huterer and Y. Wen, “Evidence for suppression of structure growth in the concordance cosmological model”, *Phys. Rev. Lett.*, **131**, 111001 (2023)
195. D. Huterer, “Growth of Cosmic Structure”, *The Astronomy and Astrophysics Review*, **31**, 2 (2023)
194. K.C. Chan et al (DES collaboration), “Dark Energy Survey Year 3 results: Measurement of the baryon acoustic oscillations with three-dimensional clustering”, *Phys. Rev. D*, **106**, 123502 (2022)
193. J. Elvin-Poole et al (DES collaboration), “Dark Energy Survey Year 3 results: Magnification modeling and impact on cosmological constraints from galaxy clustering and galaxy-galaxy lensing”, *MNRAS*, **523**, 3649 (2023)
192. T.M.C. Abbott et al (DES collaboration), “Dark Energy Survey Year 3 Results: Constraints on extensions to Λ CDM with weak lensing and galaxy clustering”, *Phys. Rev. D*, **107**, 083504 (2023)
191. A. Dixon et al (DES collaboration), “Using Host Galaxy Spectroscopy to Explore Systematics in the Standardisation of Type Ia Supernovae”, *MNRAS*, **517**, 4291 (2022)
190. T.M.C. Abbott et al (DES collaboration), “Joint analysis of DES Year 3 data and CMB lensing from SPT and Planck III: Combined cosmological constraints”, *Phys. Rev. D*, **107**, 023531 (2023)
189. A. Chen et al (DES collaboration), “Constraining the Baryonic Feedback with Cosmic Shear Using the DES Year-3 Small-Scale Measurements”, *MNRAS*, **518**, 5340 (2023)
188. C. Chang et al (DES collaboration), “Joint analysis of DES Year 3 data and CMB lensing from SPT and Planck II: Cross-correlation measurements and cosmological constraints”, *Phys. Rev. D*, **107**, 023530 (2023)
187. Y. Omori et al (DES collaboration), “Joint analysis of DES Year 3 data and CMB lensing from SPT and Planck I: Construction of CMB Lensing Maps and Modeling Choices”, *Phys. Rev. D*, **107**, 023529 (2023)
186. A. Kovacs et al (DES collaboration), “Dark Energy Survey Year 3 Results: imprints of voids and superclusters in the Planck CMB lensing map”, *MNRAS*, **515**, 4417 (2022)
185. C. Doux et al (DES collaboration), “Dark Energy Survey Year 3 Results: cosmological constraints from the analysis of shear in harmonic space”, *MNRAS*, **515**, 1942 (2022)

184. P. Lemos, N. Weaverdyck et al (DES collaboration), “Robust sampling for weak lensing and clustering analyses with the Dark Energy Survey”, *MNRAS*, **521**, 1184 (2022)
183. A. Amon et al (DES collaboration), “Consistent lensing and clustering in a low-S8 Universe with BOSS, DES Year 3, HSC Year 1 and KiDS-1000”, *MNRAS*, **518**, 477 (2023)
182. S. Mau et al (DES collaboration), “Milky Way Satellite Census. IV. Constraints on Decaying Dark Matter from Observations of Milky Way Satellite Galaxies”, *Astrophys. J*, **932**, 128 (2022)
181. L.F. Secco et al (DES collaboration), “Dark Energy Survey Year 3 Results: Three-Point Shear Correlations and Mass Aperture Moments”, *Phys. Rev. D*, **105**, 103537 (2022)
180. A. Kovacs et al (DES collaboration), “The DES view of the Eridanus supervoid and the CMB Cold Spot”, *MNRAS*, **510**, 216 (2022)
179. E. Trott and D. Huterer, “Challenges for the statistical gravitational-wave method to measure the Hubble constant”, *Phys. Dark Univ.*, **40** (2023) 101208
178. H. Camacho et al (DES collaboration), “Cosmic Shear in Harmonic Space from the Dark Energy Survey Year 1 Data: Compatibility with Configuration Space Results”, *MNRAS*, **516**, 4 (2022)
177. Y. Wen, E. Nesbit, D. Huterer and G.S. Watson, “Misinterpreting Modified Gravity as Dark Energy: a Quantitative Study”, *JCAP*, **03** (2022) 042
176. M. Gatti et al (DES collaboration) “Dark Energy Survey Year 3 results: cosmology with moments of weak lensing mass maps”, *Phys. Rev. D*, **106**, 083509 (2022)
175. D. Zurcher et al (DES collaboration), “Dark Energy Survey Year 3 results: Cosmology with peaks using an emulator approach”, *MNRAS*, **511**, 2075 (2022)
174. S. Pandey et al (DES collaboration), “Cross-correlation of DES Y3 lensing and ACT/Planck thermal Sunyaev Zel’dovich Effect II: Modeling and constraints on halo pressure profiles”, *Phys. Rev. D*, **105**, 123526 (2022)
173. M. Gatti, S. Pandey et al (DES collaboration), “Cross-correlation of DES Y3 lensing and ACT/Planck thermal Sunyaev Zel’dovich Effect I: Measurements, systematics tests, and feedback model constraints”, *Phys. Rev. D*, **105**, 123525 (2022)
172. U. Andrade, D. Anbajagane, R. von Marttens, D. Huterer, and J. Alcaniz, “A Test of the Standard Cosmological Model with Geometry and Growth”, *JCAP*, **11** (2021) 014
171. M. Lokken et al (DES collaboration), “Superclustering with the Atacama Cosmology Telescope and Dark Energy Survey: I. Evidence for thermal energy anisotropy using oriented stacking”, *Astrophys. J*, **933**, 134 (2022)
170. A. Carnero Rosell et al. (DES collaboration), “Dark Energy Survey Year 3 Results: Galaxy Sample for BAO Measurement”, *MNRAS*, **509**, 778 (2022)
169. T.M.C. Abbott et al. (DES collaboration), “Dark Energy Survey Year 3 Results: A 2.7% measurement of Baryon Acoustic Oscillation distance scale at redshift 0.835”, *Phys. Rev. D*, **105**, 043512 (2022)
168. I. Ferrero et al. (DES collaboration), “Dark Energy Survey Year 3 Results: Galaxy mock catalogs for BAO analysis”, *A&A*, **656**, A106 (2021)

167. T.M.C. Abbott et al. (DES collaboration), “Dark Energy Survey Year 3 Results: Cosmological Constraints from Galaxy Clustering and Weak Lensing”, *Phys. Rev. D*, **105**, 023520 (2022)
166. E. Krause et al. (DES collaboration), “Dark Energy Survey Year 3 Results: Multi-Probe Modeling Strategy and Validation”, arXiv:2105.13548
165. J. DeRose et al. (DES collaboration), “Dark Energy Survey Year 3 results: cosmology from combined galaxy clustering and lensing – validation on cosmological simulations”, *Phys. Rev. D*, **105**, 123520 (2022)
164. A. Porredon et al. (DES collaboration), “Dark Energy Survey Year 3 results: Cosmological constraints from galaxy clustering and galaxy-galaxy lensing using the MagLim lens sample”, *Phys. Rev. D*, **106**, 103530 (2022)
163. S. Pandey et al. (DES collaboration), “Dark Energy Survey Year 3 Results: Constraints on cosmological parameters and galaxy bias models from galaxy clustering and galaxy-galaxy lensing using the redMaGiC sample”, *Phys. Rev. D*, **106**, 043520 (2022)
162. L. Secco et al. (DES collaboration), “Dark Energy Survey Year 3 Results: Cosmology from Cosmic Shear and Robustness to Modeling Uncertainty”, *Phys. Rev. D*, **105**, 023515 (2021)
161. A. Amon et al. (DES collaboration), “Dark Energy Survey Year 3 Results: Cosmology from Cosmic Shear and Robustness to Data Calibration”, *Phys. Rev. D*, **105**, 023514 (2021)
160. C. Sanchez et al. (DES collaboration), “Dark Energy Survey Year 3 Results: Exploiting small-scale information with lensing shear ratios”, *Phys. Rev. D*, **105**, 083529 (2022)
159. J. Prat et al. (DES collaboration), “Dark Energy Survey Year 3 Results: High-precision measurement and modeling of galaxy-galaxy lensing”, *Phys. Rev. D*, **105**, 083528 (2022)
158. M. Rodriguez-Monroy et al. (DES collaboration), “Dark Energy Survey Year 3 Results: Galaxy clustering and systematics treatment for lens galaxy samples”, *MNRAS*, **511**, 2665 (2022)
157. N. Jeffrey et al. (DES collaboration), “Dark Energy Survey Year 3 results: curved-sky weak lensing mass map reconstruction”, *MNRAS*, **505**, 4626 (2021)
156. S. Lee et al. (DES collaboration), “Probing gravity with the DES-CMASS sample and BOSS spectroscopy”, *MNRAS*, **509**, 4982 (2021)
155. S. Lee et al. (DES collaboration), “Galaxy-galaxy lensing with the DES-CMASS catalogue: measurement and constraints on the galaxy-matter cross-correlation”, *MNRAS*, **509**, 2033 (2021)
154. B. Hayden, D. Rubin, et al., “The HST See Change Program: I. Survey Design, Pipeline, and Supernova Discoveries”, *Astrophys. J.*, **912**, 87 (2021)
153. T. Abbott et al. (DES collaboration), “The Dark Energy Survey Data Release 2”, *ApJS* **255**, 20 (2021)
152. R. Cawthon et al. (DES collaboration), “Dark Energy Survey Year 3 Results: Calibration of Lens Sample Redshift Distributions using Clustering Redshifts with BOSS/eBOSS”, *MNRAS*, **513**, 5022 (2022)
151. S. Everett et al. (DES collaboration), “Dark Energy Survey Year 3 Results: Measuring the Survey Transfer Function with Balrog”, *ApJS*, **258**, 15 (2022)

150. W. G. Hartley et al. (DES collaboration), “Dark Energy Survey Year 3 Results: Deep Field Optical + Near-Infrared Images and Catalogue”, *MNRAS*, **509**, 3547 (2022)
149. P. Lemos et al. (DES collaboration), “Assessing tension metrics with Dark Energy Survey and Planck data”, *MNRAS*, **505**, 6179 (2021)
148. M. Gatti et al. (DES collaboration), “Dark Energy Survey Year 3 Results: Clustering Redshifts – Calibration of the Weak Lensing Source Redshift Distributions with redMaGiC and BOSS/eBOSS”, *MNRAS*, **510**, 1223 (2022)
147. O. Friedrich et al (DES collaboration), “Dark Energy Survey Year 3 Results: Covariance Modelling and its Impact on Parameter Estimation and Quality of Fit”, *MNRAS*, **508**, 3125 (2021)
146. J. Myles et al (DES collaboration), “Dark Energy Survey Year 3 Results: Redshift Calibration of the Weak Lensing Source Galaxies”, *MNRAS* **505**, 4249 (2021)
145. C. Doux et al (DES collaboration), “Consistency of cosmic shear analyses in harmonic and real space”, *MNRAS*, **503**, 3796 (2021)
144. A. Chen et al (DES collaboration), “Constraints on dark matter to dark radiation conversion in the late universe with DES-Y1 and external data”, *Phys. Rev. D*, **123**, 123528 (2021)
143. C. Doux et al (DES collaboration), “Dark Energy Survey internal consistency tests of the joint cosmological probes analysis with posterior predictive distributions”, *MNRAS*, **503**, 2688 (2021)
142. M. Gatti, E. Sheldon, et al (DES collaboration), “Dark Energy Survey Year 3 Results: Weak Lensing Shape Catalogue”, *MNRAS*, **504**, 4312 (2021)
141. I. Sevilla-Noarbe et al (DES collaboration), “Dark Energy Survey Year 3 Results: Photometric Data Set for Cosmology”, *Astrophys. J. Lett.*, **254**, 24 (2021)
140. J. Muir et al (DES collaboration), “DES Y1 results: Splitting growth and geometry to test Λ CDM”, *Phys. Rev. D*, **103**, 023528 (2021)
139. D. Huterer, “Specific Effect of Peculiar Velocities on Dark-Energy Constraints from Type Ia Supernovae”, *Astrophys. J. Lett.*, **904**, L28 (2020)
138. C. To et al (DES collaboration), “Dark Energy Survey Year 1 Results: Cosmological Constraints from Cluster Abundances, Weak Lensing, and Galaxy Correlations”, *Phys. Rev. Lett.*, **126**, 041301 (2021)
137. E. O. Nadler et al (DES collaboration), “Milky Way Satellite Census III: Constraints on Dark Matter Properties from Observations of Milky Way Satellite Galaxies”, *Phys. Rev. Lett.*, **126**, 091101 (2021)
136. H. J Huang, T. Eifler, R. Mandelbaum, G. Bernstein, A. Chen, A. Choi, J. García-Bellido, D. Huterer et al (DES collaboration), “Dark Energy Survey Year 1 Results: Constraining Baryonic Physics in the Universe”, *MNRAS*, **502**, 6010 (2021)
135. N. Weaverdyck and D. Huterer, “Mitigating contamination in LSS surveys: a comparison of methods”, *MNRAS*, **503**, 5061 (2021)
134. E. Macaulay et al (DES collaboration), “Weak Lensing of Type Ia Supernovae from the Dark Energy Survey”, *MNRAS*, **496**, 4051 (2020)
133. A. Palmese et al (DES collaboration), “A statistical standard siren measurement of the Hubble constant from the LIGO/Virgo gravitational wave compact object merger GW190814 and Dark Energy Survey galaxies”, *Astrophys. J.*, **900**, L33 (2020)

132. A. Tanoglidis et al (DES collaboration), “Shadows in the Dark: Low-Surface-Brightness Galaxies Discovered in the Dark Energy Survey”, *ApJS* **252**, 18 (2021)
131. T. Abbott et al (DES collaboration), “Dark Energy Survey Year 1 Results: Cosmological Constraints from Cluster Abundances and Weak Lensing”, *Phys. Rev. D*, **102**, 023509 (2020)
130. J. Muir, G. Bernstein, D. Huterer et al (DES collaboration), “Blinding multi-probe cosmological experiments”, *MNRAS*, **494**, 4454 (2020)
129. P. Vielzeuf, A. Kovacs, U. Demirbozan, P. Fosalba, E. Baxter, N. Hamaus, D. Huterer et al (DES collaboration), “Dark Energy Survey Year 1 Results: the lensing imprint of cosmic voids on the Cosmic Microwave Background”, *MNRAS*, **500**, 464 (2020)
128. A.J. Shajib et al, “STRIDES: A 3.9 per cent measurement of the Hubble constant from the strongly lensed system DES J0408-5354”, *MNRAS*, **494**, 6072 (2020)
127. S. Adhikari and D. Huterer, “Super-CMB fluctuations can resolve the Hubble tension”, *Phys. Dark Univ.*, **28** (2020) 100539
126. J. Soltis, A. Farahi, D. Huterer and C.M. Liberato, “Percent-Level Test of Isotropic Expansion Using Type Ia Supernovae”, *Phys. Rev. Lett.*, **122**, 191301 (2019)
125. D. Huterer, “Mapping the Universe with Dark Energy Survey”, *Int.J.Mod.Phys. A33* (2018) no.34, 1845015
124. E. Macaulay et al. (DES collaboration), “First Cosmological Results using Type Ia Supernovae from the Dark Energy Survey: Measurement of the Hubble Constant”, *MNRAS* **486**, 2184 (2019)
123. T.M.C. Abbott et al. (DES collaboration), “Cosmological Constraints from Multiple Probes in the Dark Energy Survey”, *Phys. Rev. D*, **100**, 071301 (2019)
122. T.M.C. Abbott et al. (DES collaboration), “Dark Energy Survey Year 1 Results: Constraints on Extended Cosmological Models from Galaxy Clustering and Weak Lensing”, *Phys. Rev. D*, **100**, 023505 (2019)
121. Y. Omori et al (DES collaboration) “Dark Energy Survey Year 1 Results: Cross-correlation between DES Y1 galaxy weak lensing and SPT+Planck CMB weak lensing”, *Phys. Rev. D*, **100**, 043517 (2019)
120. Y. Omori et al (DES collaboration) “Dark Energy Survey Year 1 Results: tomographic cross-correlations between DES galaxies and CMB lensing from SPT+Planck”, *Phys. Rev. D*, **100**, 043501 (2019)
119. T.M.C. Abbott et al. (DES collaboration), “Dark Energy Survey Year 1 Results: Dark Energy Survey Year 1 Results: Joint Analysis of Galaxy Clustering, Galaxy Lensing, and CMB Lensing Two-point Functions”, *Phys. Rev. D*, **100**, 023541 (2019)
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Invited Talks and Lectures (since 2009)	ICS Colloquium, University of Zurich (Switzerland)	Oct 2024
	University of Southern California	Apr 2024
	Ohio State University	Oct 2023
	25 Years of Dark Energy Meeting, Paris-Saclay, France	Oct 2023
	Large-scale structure and cosmo simulations workshop, Donostia International Physics Center, San Sebastian, Spain	May 2023
	BPU11 Congress, Belgrade, Serbia (virtual, plenary)	Aug 2022
	PHYCONBA international conference, Sarajevo, Bosnia and Herz. (plenary)	Jun 2022
	Laboratório Interinstitucional de e-Astronomia, Brazil (virtual, colloquium)	Nov 2021
	“Cosmological Principle” workshop (virtual, plenary)	Oct 2021
	Yale University, Astronomy Dept (virtual colloquium)	Sep 2021
	Sharif University, Iran (virtual)	Apr 2021
	ESO/MPA Joint Colloquium, Germany (colloquium)	Nov 2020
	Max-Planck Institute for Astrophysics, Germany	Oct 2020
	Lehigh University (colloquium)	Feb 2020
	University of Waterloo, Canada (colloquium)	Oct 2019
	12th Great Lakes Cosmology Workshop, Rochester	Aug 2019
	New Directions in Philosophy of Cosmology Conference, Irvine	Mar 2019
	Oakland University (colloquium)	Jan 2019
	University of North Carolina (colloquium)	Oct 2018
	KICP, Chicago	Oct 2018
	Niš, Serbia	Jun 2018
	Belgrade, Serbia	Jun 2018
	UMass Lowell (colloquium)	Feb 2018
	Case Western Reserve University (colloquium)	Dec 2017
	SUNY Buffalo (colloquium)	Sep 2017
	MIT (colloquium)	May 2017
	Harvard University	Nov 2016
	Washington University, St. Louis	Nov 2016
	Ohio State University	Mar 2016
	Great Lakes Planetarium Assoc., Grand Rapids, MI	Oct 2015
	COSMO-15 workshop, Warsaw, Poland	Sep 2015
University College, London, UK	Jul 2015	
Kloster Irsee, Germany	Jun 2015	
Université Paris Diderot, Paris, France	Jun 2015	
Nordita Institute, Stockholm, Sweden	Jun 2015	
Olympian workshop, Pirelia Katerini, Greece	May 2015	
Bielefeld University, Bielefeld, Germany	Apr 2015	
Heidelberg University, Heidelberg, Germany	Apr 2015	
Max-Planck Institute for Astrophysics, Garching, Germany	Apr 2015	
Lorenz Center, Leiden, Netherlands	Feb 2015	
Workshop on primordial physics, CITA, Toronto	Oct 2014	
Institute for Advanced Study, Princeton	Sep 2014	
Workshop on CMB anomalies, CWRU	Sep 2014	

COSMO-14 workshop, Chicago, IL	Aug 2014
Aspen Center for Physics	Aug 2014
KIPAC, Stanford University (colloquium)	May 2014
Syracuse University	Feb 2014
Cornell University (Astronomy colloquium)	Feb 2014
Texas Symposium on Relativistic Astrophysics, Dallas, TX	Dec 2013
Fermi National Lab	Dec 2013
Chicheley Hall, Milton Keynes, UK (Royal Society)	Sep 2013
Minneapolis (Snowmass Community Planning Exercise)	Aug 2013
Durham University	Jul 2013
SLAC (Snowmass Community Planning Exercise)	Apr 2013
Lunar and Planetary Institute, Houston, TX	Nov 2012
Carnegie-Mellon University	Aug 2012
Benasque, Spain	Aug 2012
ICTP, Trieste, Italy	Aug 2012
Caltech	Jun 2012
Aspen Center for Physics	May 2012
Fermi National Laboratory	Apr 2012
Perimeter Institute, Canada	Feb 2012
Oakland University	Feb 2012
Case Western Reserve University	Feb 2012
Arizona State University	Jan 2012
University of Minnesota	Oct 2011
Summer school in cosmology, Azores, Portugal	Sep 2011
COSMO workshop, Porto, Portugal	Aug 2011
DARK Center, Copenhagen, Denmark	Aug 2011
University of Cape Town, South Africa	May 2011
“Experiments on Cosmic Frontier” symposium, Fermilab	Mar 2011
KITP workshop, UC Santa Barbara	Feb 2011
UC Berkeley	Feb 2011
Caltech	Jan 2011
University of Pennsylvania	Oct 2010
Lectures at Cosmology school, Kochi, Japan	Aug 2010
Benasque Center for Sciences workshop, Spain	Aug 2010
Argonne National Lab	Jul 2010
Perimeter Institute, Canada	Apr 2010
Wayne State University	Mar 2010
Perimeter Institute, Canada	Jan 2010
Canadian Institute for Theoretical Astrophysics, University of Toronto	Jan 2010
Ohio University, Miami, OH	Jan 2010
Syracuse University	Nov 2009
Washington University, St. Louis	Oct 2009
Lecturer at cosmology school, Tubitak (Turkish) National Observatory	Oct 2009
Cambridge University, Institute for Astronomy	Jul 2009

Marcel Grossman meeting, Paris, France	Jul 2009
Aspen Center for Physics, Aspen, CO	Jun 2009
Galileo Galilei Institute for Theoretical Physics, Firenze, Italy	Mar 2009
SUNY Buffalo	Feb 2009
Argonne National Laboratory	Feb 2009
Aspen Center for Physics, Aspen, CO	Feb 2009

**Outreach
Lectures
and Courses
(since 2009)**

Michigan Math and Science Scholars “Climbing the Distance Ladder to the Big Bang: How astronomers survey the Universe”, 2-week course. summer 2014, 2016-20, 2022-23	
Saturday Morning Physics; public talk (audience of ~400).	Feb 2020
Schuler Books and Music, Grand Rapids, MI; public talk (audience of ~100).	Nov 2016
Lunar and Planetary Institute (LPI), Houston; ”Big Bang Theory: The Three Pillars” (audience of ~150).	Dec 2012
UMMNH event at Conor O’Neill’s Traditional Irish Pub, Ann Arbor, MI; Science Cafe: ”Dark Energy and the Accelerating Universe” (audience of ~80).	Mar 2009
Saline District Library, Saline, MI; Science Sunday Presents public lecture ”Dark Energy and the Accelerating Universe” (audience of ~60).	Nov 2009

Name	Dissertation	Department	Prelim	PhD	Comments
Committees					
Vladimir Dergachev		Physics	—	S09	
Cosmin Ilie		Physics	—	S11	
Cameron Gibelyou		Physics	F09	W12	Chair
Adam Becker		Physics	W10	W12	Chair
Brandon Erickson		Physics	—	W13	
Tomasz Biesiadzinski		Physics	F09	F13	
Samuel McDermott		Physics	F10	—	
Adam Sypniewski		Physics	F11	S14	
Eduardo Ruiz		Physics	W12	F14	Chair
Yuan-Yuan Zhang		Physics	W12	F15	
Alejandro Lopez		Physics	F13	W16	
Daniel Shafer		Physics	F12	W16	Chair
Mijin Yoon		Physics	F12	W16	Chair
Rahul Dutta		Physics	F12	S16	
Charles Munson		Physics	F13	F16	
Arya Farahi		Physics	S14	W18	
Jessica Muir		Physics	F14	W18	Chair
Vitali Halenka		Physics	F15	S19	
Rutuparna Das		Physics	F15	W18	
Joshua Foster		Physics	F17	S21	
Noah Weaverdyck		Physics	S17	S21	Chair
Anqi (Angela) Chen		Physics	F17	S21	Chair
Grace Chesmore		Physics	F18	—	
Irena Gershkovich		Physics	F18	—	
Zachary Johnson		Physics	W19	W22	
Youjia Wu		Physics	W19	F22	Chair
Carlos Sierra		Physics	F19	—	
Maya Mallaby-Kay		Physics	F19	—	
Chami Amarasinghe		Physics	W20	S23	
Yuewei Wen		Physics	F19	W23	Chair
Ismael Mendoza		Physics	F20	TBD	
Sikandar Hanif		Physics	F21	TBD	Chair
Nora Sherman		Physics	W21	TBD	
Emery Trott		Physics	F21	TBD	Chair
Otavio Alves		Physics	F21	TBD	Chair
Eric Gonzalez		Physics	—	F21	

Taylor Baildo	Dissertation	Physics	—	F21	
Maris Arthurs	Committees, con't	Physics	—	S22	
Andy Chen		Physics	—	S23	
Isaac McMahon		Physics	W23	TBD	
Luke Korley		Physics	—	W23	
Simran		Physics	F23	TBD	
Preet Baxi		Physics	F23	TBD	
Damon Cheung		Physics	F23	TBD	
Nora Sherman		Physics	—	F23	
Vivienne Baldassare		Astronomy	F15	S17	
Meghin Spencer		Astronomy	W13	S17	
Alejo Stark		Astronomy	S15	F17	
Shurun Tan		EECS	F16	F16	
Xi Meng		Astronomy	F19	S22	
Cameron Pratt		Astronomy	F20	TBD	
Mayura Balakrishnan		Astronomy	W23	TBD	
Melvin Varughese		Univ. Cape Town	—	S10	external
Asaf Ben David		Tel Aviv Univ.	—	W13	external
Michelle Lochner		Univ. Cape Town	—	F14	external
Caitlin Adams		Swinburne Univ.	—	W19	external
Simone Peirone		Leiden Univ.	—	S20	external
Supantra Sarma Boruah		Waterloo Univ.	—	S20	external
Eva Nesbit		Syracuse Univ.	—	S21	external
D'Arcy Kenworthy		Johns Hopkins Univ.	—	S22	external
Dominik Zurcher		ETH Zurich	—	S22	external
Amber Hollinger		Waterloo University	—	F23	external
Horst Foidl		University of Vienna	—	F23	external

Name	Undergrad Institution	Year(s)	After UM	Comments
Jeremy Bradford	Research Central Conn. State (external)	2010-11	Yale	
Pablo Arnault	U. Pierre/Marie Curie	2012-14	Univ. Paris	Publication
Ilija Rakić	U. of Belgrade, Serbia	2019-20	UC Davis	
Uendert Andrade	National Obs., Brazil	2019-20	grad school	Publication