Dragan Huterer

Curriculum Vitae (updated April 2026)

Department of Physics
University of Michigan
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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

Rackham Distinguished Graduate Mentor Award — *2026*
Chambliss Astronomical Writing Award, awarded by American Astronomical Society, for astronomy writing for an academic audience (for textbook "A Course in Cosmology: From Theory to Practice") — *2025*
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*
Member, Sigma Pi Sigma, National Physics Honor Society — *Elected 1995*

Citation Statistics

Retreived April 2026

Statistics	INSPIRE	ADS	Google Scholar
total cites	45,234	41,109	47,992
cites/author	—	4953	—
h-index	100	95	105

18 papers are topcite 500+, 23 papers are topcite 250+, and another 60 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	Postdoc in Beijing, China
Emery Trott	GW dark sirens	2024	Private sector
Sikandar Hanif	DESI science	2025	Intel
Otavio Alves	DESI science	2025	Postdoc at IPMU
Simran	Gravitational waves	TBA	
Tianke Zhuang	DESI science	TBA	
Jiaming Pan	DESI science & GW sirens	TBA	
Isabele Souza Vitorio	DESI science & dipoles	TBA	
Prakhar Bansal	dark energy & DESI	TBA	
Qianran Xia	DESI science, bispectrum systematics	TBA	
Kihana Wilson	DESI science	TBA	

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	2021-24	Postdoc at IPMU
Johannes Lange	2022-24	Professor at American University
Uendert Andrade	2022-26	

Advising (continued)

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	2021-24	U. Rochester	Publication
Carter Matties	Physics	2023-24	U. of Virginia	
Andrew Hope	Physics	2024-26		
Eylul Galmidi	Physics	2025-26		

Funding (PI only)

DOE Huterer portion of umbrella grant, $600,000	*2024-27*
NSF Astronomy and Astrophysics Grants, $362,000	*2023-26*
DOE Huterer portion of umbrella grant, $600,000	*2021-24*
Friedrich Bessel Award by Humboldt Foundation, €45,000	*2020-21*
NASA Astrophysics Theory Grants, $444,665	*2020-23*
NSF Huterer portion of AAG, $172,000	*2018-21*
DOE Huterer portion of umbrella grant, $240,000	*2018-21*
NSF support for COSMO-16 $5,040	*2016*
Michigan Inst. for Res. in Astrophysics support for COSMO-16 $24,000	*2016*
NASA Astrophysics Theory Grants, $334,260	*2015-18*
LSA Associate Professor Support Fund, $92,941	*2015-17*
DOE Huterer portion of umbrella grant, $300,000	*2015-18*
NSF AAG supplement, $59,740	*2014-15*
NSF AAG supplement, $66,508	*2013-14*
DOE Huterer portion of umbrella grant, $335,239	*2012-15*
NSF Astronomy and Astrophysics Grants, $295,344	*2012-16*
NASA Astrophysics Data Analysis Program, $361,943	*2009-12*
NSF Astronomy and Astrophysics Grants, $352,550	*2008-11*
DOE Outstanding Junior Investigator, $450,000	*2008-12*
TOTAL: **$5.2 million**	

Leadership Positions

Associate Chair for Graduate Program in Physics *2023-present*

Chair of the launch committee (for new UM faculty members) *2022, 2023, 2024*

Co-chair of DESI KP7 (Year-1 cosmological parameters key project) *2021-24*

Co-chair of DES Theory and Combined Probes Working Group *2018-21*

Editor, Astroparticle Physics. *2013-21*

Professional Service (international)

Principal organizer, Michigan Cosmology Summer School (150 in-person and ∼300 virtual participants) *2023,2025*

Co-organizer, Tehran Meeting on "Cosmology at a Crossroads". *2021*

Principal organizer, Michigan Cosmology Summer School (250 virtual participants). *2020*

Chair, cosmology section of NASA Einstein-Hubble-Sagan fellowship panel. *2019*

Principal organizer, DES Y3 workshop at LCTP, University of Michigan. *2018*

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. *2007-present*

Referee (about 20 times/year) for physics journals (Phys. Rev. D, Phys. Rev. Lett., Mon. Not. Royal Astr. Soc., Astrophys. J., etc.). *2007-present*

Organizer, Aspen Center for Physics workshop "Testing the Laws of Gravity with Redshift Surveys". *2016*

Principal organizer, COSMO-16 conference (∼300 participants), University of Michigan. *2016*

Organizer, Aspen Center for Physics workshop "Non-Gaussianity as a Window to the Primordial Universe". *2012*

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`). *2012*

Organizer, Non-Gaussianity Workshop (∼70 participants), Michigan Center for Theoretical Physics. *2011*

Organizer, Workshop on Low-multipole and Large Angle Cosmology (∼40 participants), Case Western Reserve University. *2010*

Member of the DOE committee for Figure of Merit for the Joint Dark Energy Mission (JDEM) competition. *2008-2009*

Lead Guest Editor of the Special Issue of the journal Advances in Astronomy on "Testing the Gaussianity and Statistical Isotropy of the Universe". *2009 – 2010*

Professional Service (UMich)	Executive Committee (ex officio) Graduate Program (Associate Chair) Faculty Search Committee Graduate Program Admissions (Chair) Qualifying Exam Mentor for Junior Faculty (Camille Avestruz)	*2025-26*
	Executive Committee (ex officio) Graduate Program (Associate Chair) Faculty Awards Committee Graduate Program Admissions (Chair) Launch Committee for Faculty in Astronomy Department (Chair) Qualifying Exam Mentor for Junior Faculty (Camille Avestruz)	*2024-25*
	Executive Committee (ex officio) Graduate Program (Associate Chair) Faculty Awards Committee Graduate Program Admissions (Chair) Launch Committee for Faculty in School of Information (Chair) Life in Graduate School Qualifying Exam Mentor for Junior Faculty (Camille Avestruz)	*2023-24*
	Faculty Awards Committee Graduate Program Admissions Launch Committee for Faculty in Ecology and Evolutionary Biology (Chair)	*2022-23*
	Ta-You Wu/Ford Foundation/ Baer Lectures Graduate Program Admissions Launch Committee for Faculty in Mathematics	*2021-22*
	[Away on leave+sabbatical]	*2020-21*
	Faculty Search Committee (Chair) Undergraduate Introductory Physics Committee Undergraduate Major Advisers Mentor for Junior Faculty (Camille Avestruz)	*2019-20*
	Astrophysics & HEP Seminar Faculty Search Committee (Chair) Undergraduate Major Advisers	*2018-19*
	Faculty Search Committee (Co-Chair) Graduate Program Admissions Undergraduate Major Advisers	*2017-18*
	Faculty Search Committee Undergraduate Major Advisers	*2016-17*
	Graduate Program Admissions U Undergraduate Major Advisers	*2015-16*
	Executive Committee Commencement Marshals (Fall Term) Rackham Predoctoral Fellowship Committee	*2014-15*
	Executive Committee General Colloquium (Fall Term) Society of Physics/Student Advisor (SPS) (Fall and Winter – Chair)	*2013-14*

Executive Committee General Colloquium Graduate Admissions & Fellowships Society of Physics/Student Advisor (SPS)	*2012-13*
Graduate Admissions & Fellowships Undergraduate Honors Senior Thesis Reader and Williams Award (Chair)	*2011-12*
General Colloquium	*2010-11*
Astrophysics & HEP Seminar Admissions & Fellowships (Graduate Program) Faculty Third Year Review	*2009-10*
Astrophysics/HEP Seminar Graduate Admissions Information Technology	*2008-09*
Astrophysics & HEP Seminar Computing Committee	*2007-08*

Courses Taught

Year/semester	Course Name	Course Num.	Enrollment
Winter 2026	Mini-Colloquium	Physics 501	20
Fall 2025	Cosmology II (grad)	Physics 525	10
Winter 2025	Modern Physics	Physics 390	103
Winter 2024	Cosmology I (grad)	Physics 525	10
Fall 2023	Cosmology II (grad)	Physics 526	7
Winter 2023	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

Books Published

D. Huterer, "A Course in Cosmology: From Theory to Practice", Cambridge University Press, May 2023, ISBN: 9781009070232; winner of the Chambliss Astronomical Writing Award by AAS (2025).

Publications (Refereed or Submitted)

304. B. Hadzhiyska et al, "Precision Kinematic Sunyaev–Zel'dovich Measurements Across Halo Mass and Redshift with DESI DR2 and ACT DR6: Part II. Bright Galaxy Survey and Emission-Line Galaxies", arXiv:2604.19745

303. F. J. Qu et al, "Precision Kinematic Sunyaev–Zel'dovich Measurements Across Halo Mass and Redshift with DESI DR2 and ACT DR6: Part I. Luminous Red Galaxies", arXiv:2604.19744

302. P. Bansal et al, "FolpsD: combining EFT and phenomenological approaches for joint power spectrum and bispectrum analyses", arXiv:2604.08895

301. C. Lemon et al, "A Natural Telescope: Discovery of the Strongly Lensed Type II SN 2025mkn at", arXiv:2604.07983

300. A. J. Rosado-Marín et al, "Local primordial non-Gaussianity using cross-correlations of DESI tracers", arXiv:2604.05213

299. E. Chaussidon et al, "Measurement of the galaxy-velocity power spectrum of DESI tracers with the kinematic Sunyaev-Zeldovich effect using DESI DR2 and ACT DR6", arXiv:2604.04867

298. D. Forero-Sánchez et al, "Cosmological constraints from a joint DESI DR1 Full-Shape and DR2 BAO", arXiv:2602.18761

297. F. Kamalinejad et al, "First Detection of the Baryon Acoustic Oscillation (BAO) Feature in the 3-Point Correlation Function of DESI DR1 Luminous Red Galaxies", arXiv:2602.16134

296. E. Fondi et al, "Assembly bias and local Primordial non-Gaussianity from DESI DR1 Quasars", arXiv:2602.12357

295. DES Collaboration, "Dark Energy Survey Year 6 Results: Cosmological Constraints from Cosmic Shear", arXiv:2602.10065

294. P. Bansal and D. Huterer, "On the Difficulties with Late-Time Solutions for the Hubble Tension", arXiv:2602.06293

293. G. Giannini et al, "Dark Energy Survey Year 6 Results: Weak Lensing and Galaxy Clustering Cosmological Analysis Framework", arXiv:2601.15175

292. J. Mena-Fernandez et al, "Dark Energy Survey: DESI-independent Angular BAO measurement", arXiv:2601.14864

291. D. Sanchez-Cid et al, "Dark Energy Survey Year 6 Results: Weak Lensing and Galaxy Clustering Cosmological Analysis Framework", arXiv:2601.14859

290. E. Lignani et al, "Dark Energy Survey Year 6 Results: Magnification modeling and its impact on galaxy clustering and galaxy-galaxy lensing cosmology", arXiv:2601.14833

289. T. M. C. Abbott et al, "Dark Energy Survey Year 6 Results: Cosmological Constraints from Galaxy Clustering and Weak Lensing", arXiv:2601.14559

288. N. Weaverdyck et al, "Dark Energy Survey Year 6 Results: MagLim+Lens Sample Selection and Measurements of Galaxy Clustering", arXiv:2601.14484

287. T. Shin et al, “Weak Lensing Mass Calibration of the ACT DR5 Galaxy Clusters with the DES Year 3 Weak Lensing Data”, arXiv:2512.18935

286. S. Chiarenza et al, “Constraining primordial non-Gaussianity from DESI DR1 quasars and Planck PR4 CMB Lensing”, arXiv:2512.17865

285. R. Ruggieri et al (DESI collaboration), “Clustering redshift distribution calibration of weak lensing surveys using the DESI-DR1 spectroscopic dataset”, arXiv:2512.15963

284. J. Lange et al (DESI collaboration), “Cosmological Constraints from Full-Scale Clustering and Galaxy-Galaxy Lensing with DESI DR1”, arXiv:2512.15962

283. A. Semenaite et al (DESI collaboration), “Joint cosmological fits to DESI-DR1 full-shape clustering and weak gravitational lensing in configuration space”, arXiv:2512.15961

282. A. Porredon et al et al (DESI collaboration), “DESI-DR1 3x2-pt analysis: consistent cosmology across weak lensing surveys”, arXiv:2512.15960

281. A. Carr et al (DESI collaboration), “The DESI DR1 Peculiar Velocity Survey: global zero-point and H0 constraints”, arXiv:2512.03232

280. F. Qin et al (DESI collaboration), “The DESI DR1 Peculiar Velocity Survey: Growth Rate Measurements from the Galaxy Power Spectrum”,arXiv:2512.03231

279. R.J. Turner et al (DESI collaboration), “The DESI DR1 Peculiar Velocity Survey: growth rate measurements from galaxy and momentum correlation functions”, arXiv:2512.03230

278. Y. Lai et al (DESI collaboration), “The DESI DR1 Peculiar Velocity Survey: growth rate measurements from the maximum likelihood fields method”, arXiv:2512.03229

277. J. Bautista et al (DESI collaboration), “The DESI DR1 Peculiar Velocity Survey: Mock Catalog”, arXiv:2512.03228

276. K. Douglass et al (DESI collaboration), “The DESI DR1 Peculiar Velocity Survey: The Tully-Fisher Distance Catalog”, arXiv:2512.03227

275. C.E. Ross et al (DESI collaboration), “The DESI DR1 Peculiar Velocity Survey: Fundamental Plane Catalogue”, arXiv:2512.03226

274. A. Crespi et al (DESI collaboration), “Baryon fraction from the BAO amplitude: a consistent approach to parameterizing perturbation growth”, arXiv:2511.23459

273. A. Krolewski et al (DESI collaboration), “A measurement of from DESI DR1 using energy densities”, arXiv:2511.23432

272. B. Popovic et al (DES collaboration), “The Dark Energy Survey Supernova Program: A Reanalysis Of Cosmology Results And Evidence For Evolving Dark Energy With An Updated Type Ia Supernova Calibration”, arXiv:2511.07517

271. B. Yin et al (DES collaboration), “Dark Energy Survey Year 6 Results: Redshift Calibration of the Weak Lensing Source Galaxies”, arXiv:2510.23566

270. W. d’Assignies et al (DES collaboration), “Dark Energy Survey Year 6 Results: Clustering-redshifts and importance sampling of Self-Organised-Maps realizations for 3x2-pt samples”, arXiv:2510.23565

269. Z. Shao et al (DESI collaboration), “Direct Measurement of Galaxy Assembly Bias using DESI DR1 Data”, arXiv:2510.20896

268. J. Pan, D. Huterer, et al, “Determining the Hubble Constant through Cross-Correlation of Galaxies and Gravitational Waves”, arXiv:2510.19931

267. E. Zaborowski et al (DESI collaboration), "H0 Without the Sound Horizon (or Supernovae): A 2% Measurement in DESI DR1", arXiv:2510.19149

266. B. Hadzhiyska et al (DESI collaboration), "Probing cosmic velocities with the pairwise kinematic Sunyaev-Zel'dovich signal in DESI Bright Galaxy Sample DR1 and ACT DR6", arXiv:2510.14135

265. A. Nguyen, C. Blake et al (DESI collaboration), "Detection of supernova magnitude fluctuations induced by large-scale structure", arXiv:2510.07673

264. N. Emas, A. Porredon, et al (DESI collaboration), "Validation of the DESI-DR1 3x2-pt analysis: scale cut and shear ratio tests", arXiv:2510.05539

263. H. Treiber et al (DESI and DES collaborations), "Dwarf galaxy halo masses from spectroscopic and photometric lensing in DESI and DES", arXiv:2509.20434

262. Y-M. Hsu et al (DESI collaboration), "A New Way to Discover Strong Gravitational Lenses: Pair-wise Spectroscopic Search from DESI DR1", arXiv:2509.16033

261. R. Gspooner et al (DESI collaboration), "Fiducial-Cosmology-dependent systematics for the DESI 2024 Full-Shape Analysis", arXiv:2509.08057

260. G. Giannini et al (DES collaboration), "Dark Energy Survey Year 6 Results: Redshift Calibration of the MagLim++ Lens Sample", arXiv:2509.07964

259. M. Rodruguez-Monroy, N. Weaverdyck et al (DES collaboration), "Dark Energy Survey Year 6 Results: improved mitigation of spatially varying observational systematics with masking", arXiv:2509.07943

258. R.C.H. Gomes et al (DES collaboration), "Dark Energy Survey Year 3 Results: Cosmological constraints from second and third-order shear statistics", arXiv:2508.14018

257. J. Morawetz et al (DESI Collaboration), "Frequentist Cosmological Constraints from Full-Shape Clustering Measurements in DESI DR1", arXiv:2508.11811

256. J. Ratajczak et al (DESI collaboration), "The Compilation and Validation of the Spectroscopic Redshift Catalogs for the DESI-COSMOS and DESI-XMMLSS Fields", arXiv:2508.09286

255. Z. Slepian et al (DESI collaboration) "Measurement of Parity-Violating Modes of the Dark Energy Spectroscopic Instrument (DESI) Year 1 Luminous Red Galaxies' 4-Point Correlation Function", arXiv:2508.09133

254. J. Hou et al (DESI collaboration), "Study of the Connected Four-Point Correlation Function of Galaxies from DESI Data Release 1 Luminous Red Galaxy Sample", arXiv:2507.09070

253. R. Cereskaite et al (DESI collaboration), "Inference of matter power spectrum at z=0 using DESI DR1 Full-Shape data", arXiv:2507.16590

2522. C.J. Rauhut et al (DESI collaboration), "Testing gravitational physics by combining DESI DR1 and weak lensing datasets using the E_G estimator", arXiv:2507.16098

251. D. Chebat et al (DESI collaboration), "Cosmological neutrino mass: a frequentist overview in light of DESI", arXiv:2507.12401

250. J. Yoo, M. Magi and D. Huterer, "Cosmic Dipoles from Large-Scale Structure Surveys", *Phys. Rev. D*, **112**, 123013 (2025)

249. S. Heydenreich et al (DESI collaboration), "Lensing Without Borders: Measurements of galaxy-galaxy lensing and projected galaxy clustering in DESI DR1", arXiv:2506.21677

248. S. Pandey et al (DES Collaboration), "Constraints on cosmology and baryonic feedback with joint analysis of Dark Energy Survey Year 3 lensing data and ACT DR6 thermal Sunyaev-Zel'dovich effect observations", arXiv:2506.07432

247. B. Bahr-Kalus et al, "Model-Independent Measurement of the Matter-Radiation Equality Scale in DESI 2024", *Phys. Rev. D*, **112**, 063553 (2025)

246. S. Ahlen et al, "Positive neutrino masses with DESI DR2 via matter conversion to dark energy", *Phys. Rev. Lett.*, **135**, 081003 (2025)

245. C. Garcia-Quintero et al (DESI Collaboration), "Cosmological implications of DESI DR2 BAO measurements in light of the latest ACT DR6 CMB data", *Phys. Rev. D*, **112**, 083529 (2025)

244. M. Abdul Karim et al (DESI Collaboration), "Data Release 1 of athe Dark Energy Spectroscopic Instrument", arXiv:2503.14745

243. W. Elbers et al (DESI Collaboration), "Constraints on Neutrino Physics from DESI DR2 BAO and DR1 Full Shape", *Phys. Rev. D*, **112**, 083511 (2025)

242. K. Lodha et al (DESI Collaboration), "Extended Dark Energy analysis using DESI DR2 BAO measurements", *Phys. Rev. D*, **112**, 083511 (2025)

241. U. Andrade et al (DESI Collaboration), "Validation of the DESI DR2 Measurements of Baryon Acoustic Oscillations from Galaxies and Quasars", *Phys. Rev. D*, **112**, 083512 (2025)

240. L. Casas et al (DESI Collaboration), "Validation of the DESI DR2 Lyα BAO analysis using synthetic datasets", arXiv:2503.14741

239. A. Brodzeller et al (DESI Collaboration), Construction of the Damped Lyα Absorber Catalog for DESI DR2 Lyα BAO, *Phys. Rev. D*, **112**, 083510 (2025)

238. M. Abdul Karim et al (DESI Collaboration), "DESI DR2 Results I: Baryon Acoustic Oscillations from the Lyman Alpha Forest", *Phys. Rev. D*, **112**, 083514 (2025)

237. M. Abdul Karim et al (DESI Collaboration), "DESI DR2 Results II: Measurements of Baryon Acoustic Oscillations and Cosmological Constraints", *Phys. Rev. D*, **112**, 083515 (2025)

236. T.M.C. Abbott et al (DES Collaboration), "Dark Energy Survey: implications for cosmological expansion models from the final DES Baryon Acoustic Oscillation and Supernova data", arXiv:2503.06712

235. R.C.H. Gomes et al (DES Collaboration), "Cosmology with second and third-order shear statistics for the Dark Energy Survey: Methods and simulated analysis", *Phys. Rev. D*, **112**, 123514 (2025)

234. Q. Xia, D. Huterer and M. Nguyen, "Structure growth weakly affects the statistical significance of the abundance of high-redshift high-mass JWST galaxies", *The Open J. of Astrophysics* 8 (2025), arXiv:2502.0155

233: P. Bansal and D. Huterer, "Expansion-history preferences of DESI and external data", arXiv:2502.07185

232. P. Shah et al (DES Collaboration), "It's not σ_8: constraining the non-linear matter power spectrum with the Dark Energy Survey Year-5 supernova sample", *MNRAS*, **537**, 3814 (2025)

231. K. Bechtol et al (DES Collaboration), "Dark Energy Survey Year 6 Results: Photometric Data Set for Cosmology", arXiv:2501.05739

230. D. Anbajagane et al (DES Collaboration), "Dark Energy Survey Year 6 Results: Synthetic-source Injection Across the Full Survey Using Balrog", *The Open J. of Astrophysics* 8 (2025), arXiv:2501.05683

229. M. Yamamoto et al (DES Collaboration), "Dark Energy Survey Year 6 Results: Cell-based Coadds and Metadetection Weak Lensing Shape Catalogue", *MNRAS*, **543**, 4156 (2025)

228. A. Meador-Woodruff and D. Huterer, "BBN-simple': How to Bake a Universe-sized Cake", *New Astron. Rev.* **100** (2025) 101722

227. S. Bocquet et al (DES Collaboration), "Multiprobe Cosmology from the Abundance of SPT Clusters and DES Galaxy Clustering and Weak Lensing", *Phys. Rev. D*, **111**, 063533 (2025)

226. E. Chaussidon et al (DESI collaboration), "Constraining primordial non-Gaussianity with DESI 2024 LRG and QSO samples", *JCAP*, **06** (2025) 029

225. E. Zaborovsky et al (DESI Collaboration), "A Sound Horizon-Free Measurement of H0 in DESI 2024", *JCAP*, **06** (2025) 020

224. M. Ishak et al (DESI Collaboration), "Modified Gravity Constraints from the Full Shape Modeling of Clustering Measurements from DESI 2024", *JCAP*, **09** (2025) 053

223. DESI Collaboration, "DESI 2024 VII: Cosmological Constraints from the Full-Shape Modeling of Clustering Measurements", *JCAP*, **07** (2025) 028

222. DESI Collaboration, "DESI 2024 II: Sample Definitions, Survey Characteristics, and Two-point Clustering Statistics", *JCAP*, **07** (2025) 017

221. DESI Collaboration, "DESI 2024 V: Full-Shape galaxy clustering from Galaxies and Quasars", *JCAP*, **09** (2025) 008

220. J. McCullough et al (DES Collaboration), "Dark Energy Survey Year 3: Blue Shear", arXiv:2410.22272

219. R. Chen et al (DES Collaboration), "Evaluating Cosmological Biases using Photometric Redshifts for Type Ia Supernova Cosmology with the Dark Energy Survey Supernova Program", *MNRAS*, **536**, 1948 (2025)

218. L. Faga et al (DES Collaboration), "Dark Energy Survey Year 3 Results: Cosmology from galaxy clustering and galaxy-galaxy lensing in harmonic space", *MNRAS*, **536**, 1586 (2025)

217. R. Camilleri et al (DES Collaboration), "The Dark Energy Survey Supernova Program: An updated measurement of the Hubble constant using the Inverse Distance Ladder", *MNRAS*, **537**, 1818 (2025)

216. P. Shah et al (DES Collaboration), "The Dark Energy Survey : Detection of weak lensing magnification of supernovae and constraints on dark matter haloes", *MNRAS*, **532**, 932 (2024)

215. U. Andrade et al (DESI Collaboration), "Validating the Galaxy and Quasar Catalog-Level Blinding Scheme for the DESI 2024 analysis", *JCAP*, **01** (2025) 128

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4. "Prospects for Probing the Dark Energy via Supernova Distance Measurements", D. Huterer and M.S. Turner, *Phys. Rev. D* **60**, 081301 (1999)

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1. D. Huterer, D.D. Sasselov and P.L. Schechter, "Distances to Nearby Galaxies: Combining Fragmentary Data Using Four Different Methods", *Astron. J.* **110**, 2705 (1995)

Articles not Refereed

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21. D.J. Schlegel et al, "A Spectroscopic Road Map for Cosmic Frontier: DESI, DESI-II, Stage-5", arXiv:2209.03585

20. T. Abbott et al (DES collaboration), "The Dark Energy Survey Data Release 2", arXiv:2101.05765

19. T.M.C. Abbott et al (DES collaboration), "The Dark Energy Survey Data Release 1", (arXiv:1801.03181)

18. The DESI Collaboration, "The DESI Experiment Part II: The Instrument Design", arXiv:1611.00037

17. The DESI Collaboration, "The DESI Experiment Part I: Science, Targeting, and Survey Design", arXiv:1611.00036

16. M. Alvarez et al., "Testing Inflation with Large Scale Structure: Connecting Hopes with Reality", arXiv:1412.4671

15. K.A. Hinton, A. Becker and D. Huterer, "A User-Friendly Dark Energy Model Generator", arXiv:1506.05088

14. C.J. Copi, D. Huterer , D.J. Schwarz, and G.D. Starkman, "The Oddly Quiet Universe: How the CMB Challenges Cosmology's Standard Model" (arXiv:1201.2459)

13. D. Schlegel et al. (142 authors), "The BigBOSS Experiment", arXiv:1106.1706

12. D. Huterer, E. Komatsu and S. Shandera, "Testing the Gaussianity and Statistical Isotropy of the Universe", arXiv:1012.3744

11. D. Huterer, "The Accelerating Universe", *Invited book chapter (ed. D. Goodstein)*, arXiv:1010.1162

10. D. Huterer, "Falsifying Paradigms for Cosmic Acceleration", *Nucl. Phys. Proc. Suppl.* **194**, 239 (2009)

9. A. Albrecht et al., "Findings of the Joint Dark Energy Mission Figure of Merit Science Working Group", `http://jdem.gsfc.nasa.gov/fomswg.html`, arXiv:0901.0721

8. D. Huterer, "Why is the Solar System Cosmically Aligned?", *Astronomy*, December 2007

7. "Mysteries at Universe's Largest Observable Scales", D. Huterer (Proceedings from the Workshop on Fundamental Physics with Cosmic Microwave Background Radiation, Irvine CA, April 2006), *New Astronomy Reviews*, **50**, 868 (2006) (astro-ph/0608318)

6. "Probing Dark Energy via Weak Gravitational Lensing with the SuperNova Acceleration Probe (SNAP)", SNAP collaboration, *White paper to the Dark Energy Task Force* (astro-ph/0507460)

5. "Supernova Acceleration Probe: Studying Dark Energy with Type Ia Supernovae", SNAP collaboration, *White paper to the Dark Energy Task Force* (astro-ph/0507459)

4. "Seeing the Nature of the Accelerating Physics: It's a SNAP", SNAP collaboration, *White paper to the Dark Energy Task Force* (astro-ph/0507458)

3. "Constraints on Dark Energy and Its Models", D. Huterer, E. V. Linder and J. Weller, Yellow Book on Dark Energy, SNOWMASS 2001, eds. E. V. Linder

2. "Constraining the Properties of Dark Energy", D. Huterer and M.S. Turner, proceedings of 20th Texas Symposium on Relativistic Astrophysics (astro-ph/0103175)

1. "Optimal Supernova Search Strategies", D. Huterer and M.S. Turner, in the proceedings of *Dark Matter 2000*,g ed. D. Cline (astro-ph/0006419)

Invited Talks and Lectures (since 2009)

Dartmouth University (colloquium)	Apr 2026
University of Minnesota (colloquium)	Mar 2026
University of North Carolina, Physics Department (colloquium)	Feb 2026
Stanford University (Astrophysics colloquium)	Jan 2026
EuCAPT (European Consortium for Astropart. Th.), invited talk (virtual)	Oct 2025
Galileo Galilei Institute for Theoretical Physics, Firenze, Italy	Sep 2025
University of Portsmouth, UK (colloquium)	May 2025
University of Portsmouth, UK (colloquium)	May 2025
Indiana University, Physics Department (colloquium)	Aug 2025
Cosmology Summer Fest Johns Hopkins (invited talk)	Jul 2025
Vinča Nuclear Institute, Belgrade, Serbia (colloquium)	Jun 2025
University of Portsmouth, UK (colloquium)	May 2025
Oxford University, UK	May 2025
ICS Colloquium, University of Zurich, Switzerland (colloquium)	May 2025
University of Texas (colloquium)	Apr 2025
Simon Fraser University, Canada (colloquium)	Jan 2025
University of Southern California (colloquium)	Apr 2024
Indiana University, Astronomy Department (colloquium)	Feb 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, Parelia 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, 2025)	each year
	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

Dissertation Committees

Name	Department	Prelim	PhD	Comments
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	W25	
Sikandar Hanif	Physics	F21	W25	Chair
Nora Sherman	Physics	W21	S23	
Emery Trott	Physics	F21	S24	Chair
Otavio Alves	Physics	F21	F25	Chair
Eric Gonzalez	Physics	—	F21	

Dissertation Committees, con't

Taylor Baildon	Physics	—	F21	
Maris Arthurs	Physics	—	S22	
Andy Chen	Physics	—	S23	
Isaac McMahon	Physics	W23	TBD	
Luke Korley	Physics	—	W23	
Simran	Physics	F23	TBD	co-Chair
Preet Baxi	Physics	F23	TBD	
Damon Cheung	Physics	F23	TBD	
Johnny Esteves	Physics	—	W24	co-Chair
Jonathan Wang	Physics	—	W24	
Michael Williams	Physics	—	S24	
David Robinson	Physics	—	W25	
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	W24	
Mayura Balakrishnan	Astronomy	W23	W25	
Katya Gozman	Astronomy	F24	S26	
Vaishnav Rao	Astronomy	F25	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
Kushal Lodha	KASI-UST, Korea	—	S26	external

Undergrad. Research (external)

Name	Institution	Year(s)	After UM	Comments
Jeremy Bradford	Central Conn. State	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
We3i Liu	USTC, China	2026	postdoc (Ohio U)	Publication
Xiaoyun Shao	National Obs., Brazil	2026	grad school	Publication