

# Lawrence Lee, PhD

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## Professional Experience

Assistant Professor, University of Tennessee, Knoxville	2021–
Research Associate, Harvard University – <i>Supervisor: J. Huth</i>	2016–21
Research Associate, University of Adelaide – <i>Supervisor: P. Jackson</i>	2014–16

## Education

Ph.D., M.Phil., M.S., Physics, Yale University – <i>Supervisor: T. Golling</i>	2014
B.S. Physics, Rutgers University – <i>Supervisors: R. Ransome, R. Gilman, R. Tumulka</i>	2009

## Awards & Honors

Cottrell Scholar - Research Corporation for Science Advancement	2025
UTK Provost's Junior Faculty Fellow	2023–25
UTK Physics Research Advisor of the Year	2023–24
UTK College of Arts and Sciences Faculty Award for Academic Outreach	2022
UTK Physics Teacher of the Year	2021–22

## Funding

Cottrell Scholar - Research Corporation for Science Advancement - \$120k	2025
Fermilab LHC Physics Center (Postdoc Emery Nibigira Led) - \$43k	2024
DOE Award for UTK HEP (4 PIs) - \$1.425M	2024
Universities Research Association (Postdoc Emery Nibigira Led) - \$20k	2024
UT-Battelle (ORNL Management Contractor) - \$74k	2024
NSF CAREER Award - \$1M	2023
USCMS Upgrade Project Funding - \$73k	2022–24
Single-PI DOE Award - \$250k	2022
UTK Faculty Research Assistants Funding	2022
George Southgate Fellowship, The University of Adelaide	2015

## Research Experience

MEMBER OF THE CMS COLLABORATION	2021–
PHYSICS ANALYSIS	
Heavy Stable Charged Particle Search	2022–
Multijet Search	2023–
Recursive Jigsaw Reconstruction Search	2022
PHASE-II OUTER TRACKER UPGRADE	

US CMS Level-3 Manager for OT Electronics	2024–
Phase-II Tracker DAQ Software	2021–
Outer Tracker Module Assembly and Grading	2022–
MEMBER OF THE ATLAS COLLABORATION	2009–21
PHYSICS ANALYSIS	
Common BSM Result Interpretation Framework	2018–21
Convener of SUSY RPV/LL sub-group	2017–19
Searches for Long-Lived Particles	2016–21
Common Analysis Software Development	2015–21
Inclusive searches for Supersymmetry	2014–16
All-Hadronic BSM Signatures	2011–14
Quark-vs-Gluon Jet Tagging	2010–12
NEW SMALL WHEEL MUON SPECTROMETER UPGRADE	
Micromegas Trigger Coordinator	2020
Online Software Coordination	2019–20
MUON COLLIDER PROJECTS	2020–
10 TeV MAIA detector concept characterization	2023–
Automating Professional 3D Rendering for Collider Event Displays	2023–
Simulation software workflow development	2020–22
ACCELERATOR PHYSICS PROJECTS	2024–
Helical FOFO Design for Muon Cooling for a Future Muon Collider	2024–
Using Self-Consistent Beam Distributions to Reduce Intra-Beam Stripping	2024–
EXTERNAL COLLIDER PHYSICS	
Experimental Impact of Jet Fragmentation Reference Frames At Particle Colliders	2022–
Future collider projections for photon-induced production of charged BSM particles	2018–21
Bell Inequalities at Future $ee$ Colliders	2013–
NUCLEON PHYSICS RESEARCH	2007–09
Developed the prototype trigger and data acquisition systems for Fermilab E-906/SeaQuest	
Assembled the photomultiplier tube units used in MINERvA	
Upgraded a Fabry-Perot cavity for use in a JLAB Compton polarimeter	

## Publications

Over 1200 published papers, mostly as part of the ATLAS and CMS Collaborations, with over 177,000 citations, and an  $h$ -index of 196 [*Inspire*]. Valid authorship in the ATLAS and CMS Collaborations requires a record of and continued contributions to the operation, maintenance, and improvements of the experiments in service of all of the collaboration's activities. Selected publications with significant direct contributions are listed below. ► indicates a primary editor, primary analyzer, or intellectual lead role.

*Small Author List Publications*

0. ► L. Lee, C. Bell, **Cover of Science (AAAS)** 2024  
*Muon collider simulation work and renderings made in Unreal Engine were featured on the cover and in the cover article.*
1. C. Bell, et al (21 others) **MAIA: A new detector concept for a 10 TeV muon collider** 2025  
*Main editor of Section VI. Responsible for all 3D renderings of the detector concept. General input on the overall physics output.*
2. ► L. Lee, C. Bell, J. Lawless, E. Nibigira, **Experimental Impact of Jet Fragmentation Reference Frames At Particle Colliders**, Submitted to *PLB* 2023  
*Intellectual lead in argument and analysis demonstrating how modern jet physics relies on a frame-specific assumption that can fail in interesting corners of phase space.*
3. C. Accettura, et al (296 others), **Towards a Muon Collider**, *Eur. Phys. J. C* 83, 864 2023  
*Contributed studies of Beam-Induced Background mitigation at a future muon collider.*
4. G. Iakovidis, et al (100 others), **The New Small Wheel electronics**, *JINST* 18 P05012 2023  
*Contributed to readout electronics integration with readout software and FELIX, integration of trigger hardware readout and dataflow, development of control and calibration software, and noise studies.*
5. ► A. Badea, W. Fawcett, J. Huth, T.J. Khoo, R. Poggi, LL, **Solving Combinatorial Problems at Particle Colliders Using Machine Learning**, *PRD* 106 1, 016001 2022  
*Designed physics-informed neural network to solve combinatorial ambiguities in collider events with many objects, especially for decays from pair-produced heavy resonances.*
6. C. Bakalis, I. Grayzman, LL, L. Levinson, V. Polychronakos, **Accessing register spaces in FPGAs within the ATLAS DAQ scheme via the SCA eXtension**, *JINST* 16 P06041 2021  
*Designed the software infrastructure around an FPGA implementation of a CERN GBT-SCA-like register interface for use in detector configuration.*
7. M. Bauer, O. Brandt, LL, C. Ohm, **ANUBIS: AN Underground Belayed In-Shaft search experiment**, arXiv: 1909.13022 2020  
*Responsible for original idea to instrument service shafts above the ATLAS Experiment for a dedicated long-lived particle experiment. Helped shape technical proposal outlined in paper.*
8. ► LL, C. Ohm, A. Soffer, and T. Yu, **Collider Searches for Long-Lived Particles Beyond the Standard Model**, *Progress in Particle and Nuclear Physics* 3695 2019  
*Co-responsible for all experimental aspects of this broad review of collider searches for long-lived particles.*
9. X. Cid Vidal, et al., **Beyond the Standard Model Physics at the HL-LHC and HE-LHC**, CERN Yellow Rep. Monogr. 7 (2019) 585-865 2019  
*Contributed studies of HL-LHC projections for long-lived gluino searches. Responsible for sensitivity projections.*

*Selected Peer-Reviewed Publications from the ATLAS and CMS Collaborations*

9. ► CMS Collaboration, **Search for heavy long-lived charged particles with large ionization energy loss in proton-proton collisions at  $\sqrt{s} = 13$  TeV**, Submitted to *JHEP* 2024  
*Led multiple aspects of this analysis, particularly in ionization analysis design, simulation, and signal MC generation.*

10. ► ATLAS Collaboration, **A search for R-parity-violating supersymmetry in final states containing many jets in  $pp$  collisions at  $\sqrt{s} = 13$  TeV with the ATLAS detector**, *JHEP* 05 (2024) 003 2024  
*Early designer of multijet analysis, software developer, and started the machine learning effort portion of this search.*
11. ► ATLAS Collaboration, **Search for long-lived, massive particles in events with displaced vertices and multiple jets in  $pp$  collisions at  $\sqrt{s} = 13$  TeV with the ATLAS detector**, *JHEP* 06, 200 2023  
*Led initial design and implementation of a search for decays of BSM particles with displaced vertices and jets, including reconstruction algorithms, analysis software, and background estimation design.*
12. ► ATLAS Collaboration, **A search for the decays of stopped long-lived particles at  $\sqrt{s} = 13$  TeV with the ATLAS detector**, *JHEP* 173 2021  
*Led search for very long lived particle decays in empty LHC bunch crossings.*
13. ATLAS Collaboration, **Search for displaced leptons in  $\sqrt{s} = 13$  TeV  $pp$  collisions with the ATLAS detector**, *Phys. Rev. Lett.* 127 051802 2021  
*Developed analysis software and provided design guidance for a search that extends the limits obtained from LEP for long-lived sleptons.*
14. ► ATLAS Collaboration, **Search for long-lived, massive particles in events with a displaced vertex and a muon with large impact parameter in  $pp$  collisions at  $\sqrt{s} = 13$  TeV with the ATLAS detector**, *Phys. Rev. D* 102 032006 2020  
*Co-coordinator of analysis. Responsible for all aspects of the analysis, including background estimation scheme, physics targets, and analysis software.*
15. ► ATLAS Collaboration, **Search for long-lived, massive particles in events with displaced vertices and missing transverse momentum in 13 TeV  $pp$  collisions with the ATLAS detector**, *Phys. Rev. D* 97 052012 2018  
*Co-coordinator of analysis. Particularly responsible for background estimation methods and their validation, limit-setting, and data-flow model.*
16. ATLAS Collaboration, **Search for new phenomena in high-mass diphoton final states using  $37 \text{ fb}^{-1}$  of proton-proton collisions collected at  $\sqrt{s} = 13$  TeV with the ATLAS detector**, *Phys. Lett. B* 775 105 2017  
*Responsible for creation and validation of BSM signals and Higgs EFT models.*
17. ATLAS Collaboration, **Search for new phenomena in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in  $\sqrt{s} = 13$  TeV  $pp$  collisions with the ATLAS detector**, *Eur. Phys. J C* 77 144 2017  
*Responsible for studies of the jet system dynamics.*
18. ► ATLAS Collaboration, **Search for squarks and gluinos in final states with jets and missing transverse momentum at  $\sqrt{s} = 13$  TeV with the ATLAS detector**, *Eur. Phys. J. C* 76: 392 2016  
*Co-coordinator of search. Responsible for all aspects of limit-setting. Responsible for background estimation design and implementation for R/JR analysis.*
19. ► ATLAS Collaboration, **Search for massive supersymmetric particles decaying to many jets using the ATLAS detector in  $pp$  collisions at  $\sqrt{s} = 8$  TeV**, *Phys. Rev. D* 91, 112016 2015  
*Co-coordinator of search. Responsible for all aspects of the search from background estimation, signal simulation, and limit-setting.*
20. ► ATLAS Collaboration, **Light-quark and Gluon Jet Discrimination in  $pp$  Collisions at  $\sqrt{s} = 7$  TeV with the ATLAS Detector**, *Eur. Phys. J. C* 74: 3023 2014

*Responsible for analysis design, data-driven template determination and validation.*

21. ► ATLAS Collaboration, **Search for pair production of massive particles decaying into three quarks with the ATLAS detector in  $\sqrt{s} = 7$  TeV pp collisions at the LHC**, Journal of High Energy Physics 12, 1–42 2012

*Responsible for all signal simulation, limit-setting, and interpretation.*

### *Selected Public Documents*

CMS Collaboration, **General search for supersymmetric particles in scenarios with compressed mass spectra using proton-proton collisions at  $\sqrt{s} = 13$  TeV**, CMS-PAS-SUS-23-003, 2024

A. Affolder, et al., **Solid State Detectors and Tracking for Snowmass**, *Snowmass 2021*, 2022

► D. Ally, et al., **Strategies for Beam-Induced Background Reduction at Muon Colliders**, *Snowmass 2021*, 2022

► J. Cochran, et al., **Particle Physics Outreach at Non-traditional Venues**, *Snowmass 2021*, 2022

K. Black, et al., **Prospects for the Measurement of the Standard Model Higgs Pair Production at the Muon Colliders**, *Snowmass 2021*, 2022

N. Bartosik, et al., **Simulated Detector Performance at the Muon Collider**, *Snowmass 2021*, 2022

J. De Blas, et al., **The physics case of a 3 TeV muon collider stage**, *Snowmass 2021*, 2022

C. Aime, et al., **Muon Collider Physics Summary**, *Snowmass 2021*, 2022

S. Jindariani, et al., **Promising Technologies and R&D Directions for the Future Muon Collider Detectors**, *Snowmass 2021*, 2022

ATLAS Collaboration, **Generation and Simulation of  $R$ -Hadrons**, ATL-PHYS-PUB-2019-019 2019

► ATLAS Collaboration, **Supersymmetry Summary Plots**, Main overview and RPV plots 2018–20

ATLAS Collaboration, **Performance of vertex reconstruction algorithms for detection of new long-lived particle decays within the ATLAS inner detector**, ATL-PHYS-PUB-2019-013 2019

ATLAS Collaboration, **Reinterpretation of searches for supersymmetry in models with variable  $R$ -parity-violating coupling strength and long-lived  $R$ -hadrons**, ATLAS-CONF-2018-003 2018

ATLAS Collaboration, **First look at pp collisions data at  $\sqrt{s} = 13$  TeV in preparation for a search for squarks and gluinos in final states with jets and missing transverse momentum with the ATLAS detector**, ATL-PHYS-PUB-2015-028 2015

*Additional public documents supporting the publications described above.*

*One CMS Analysis Review Committee (ARC)*

*Nine ATLAS Editorial Boards (EBs)*

### Professional Activities

DOE Reviewer	2025
USCMS Phase-II Upgrade Level-3 Manager for Outer Tracker DAQ	2024–
Swiss National Science Foundation Reviewer	2024
International Muon Collider Collaboration Software Task Force	2024

US Muon Collider Collaboration Membership Coordinator	2024
US CMS (DOE+NSF) Project Review Panel	2024
NSF Reviewer ( $\times 3$ occasions)	2024
NSF Review Panel	2024
NSF Reviewer	2023
DOE Reviewer	2023
LHC LLP Working Group Convener	2022–25
SESAPS Nominating Committee	2022–23
US LHC Users Association (USLUA) Executive Committee Member	2022–23
Physics Today Consultant	2022
Journal Referee for Physical Review Letters, Physical Review D, EPJC, Letters in High Energy Physics, Universe	2018–

## Selected Scientific Presentations

### *Invited Seminars and Colloquia*

Yale University, NPA Seminar	2024
New York University, Physics Colloquium	2024
University of California, Irvine, Virtual	2022
University of Kansas, <i>Particle Physics on the Plains</i> , Lawrence, KS	2022
University of Tennessee, <i>Seminar on RPV SUSY</i> , Knoxville, TN	2021
University of Tennessee, <i>Physics Colloquium</i> , Knoxville, TN	2020
Fermilab, <i>LPC Physics Forum</i> , Batavia, IL	2020
LHC Experiments Committee (LHCC) Meeting <i>Open Session</i> , CERN, Geneva	2020
Lund University, Sweden	2020
Michigan State University, East Lansing, MI	2019
University of Illinois, Urbana-Champaign, IL	2018
Fermilab <i>Topic of the Week</i> , Batavia, IL	2018
SLAC, Palo Alto, CA	2018
University of Oregon, Eugene, OR	2018
University of Pennsylvania, Philadelphia, PA	2018
Rutgers University, Piscataway, NJ	2018
Higgs Cross-Section Working Group Meeting, CERN, Geneva	2018
Harvard University, Cambridge, MA	2018
Oskar Klein Centre, Stockholm, Sweden	2018
Lawrence Berkeley National Laboratory, Berkeley, CA	2017
Harvard University, Cambridge, MA	2015
University of Adelaide, Australia	2014
University of Melbourne, Australia	2014
Institut de Física d'Altes Energies (IFAE), Barcelona, Spain	2014
2nd International Spring School on Particle Physics and Philosophy	2014
Santa Cruz Institute of Particle Physics Seminar, Geneva, Switzerland	2013
Fermilab, LPC Workshop on Exotic Top Partners, Batavia, IL	2013

### *Conference Presentations*

Inaugural US Muon Collider Meeting, Fermilab – <i>Invited Experimental Overview Plenary</i>	2024
Workshop on Long-Lived Particles, University of Tokyo, Tokyo, Japan – <i>o.b.o. CMS</i>	2024

DPF/Pheno, Pittsburgh, PA	2024
SESAPS2023, EKV, Richmond, KY – <i>Invited ‘Highlight’ Talk</i>	2023
Fermilab Users Meeting – <i>Invited Plenary</i>	2023
UCSB, Kavli Institute of Theoretical Physics, Muon Collider Workshop – <i>Invited Plenary</i>	2023
CMS Exotica Workshop – <i>Invited Plenary</i>	2022
ML4Jets, Rutgers University, Piscataway, NJ	2022
Snowmass Community Summer Study Workshop, Seattle, WA	2022
APS April Meeting, New York City, NY	2022
CMS Exotica Workshop – <i>Invited Plenary</i>	2021
SESAPS2021, FSU, Tallahassee, FL – <i>Invited ‘Highlight’ Talk</i>	2021
LHCP2021, Virtual – <i>Invited Plenary, o.b.o. ATLAS and CMS</i>	2021
APS April Meeting, Virtual – <i>Invited Plenary, o.b.o. ATLAS</i>	2021
A Rainbow Of Dark Sectors, Aspen Center for Physics, Virtual – <i>Invited Plenary</i>	2021
ICNFP, Kolymbari, Crete, Greece – <i>o.b.o. ATLAS</i>	2019
USATLAS Workshop, Pittsburgh, PA – <i>Invited Plenary</i>	2018
SUSY2017, Mumbai, India – <i>o.b.o. ATLAS</i>	2017
IHEP-T2E, Kuala Lumpur, Malaysia – <i>Plenary, o.b.o. ATLAS</i>	2017
SUSY2016, Melbourne, Victoria, Australia	2016
SUSY2015, Lake Tahoe, CA	2015
Kruger2014, Kruger Gate, South Africa – <i>o.b.o. ATLAS</i>	2014
SUSY2012, Peking University, Beijing, China – <i>o.b.o. ATLAS</i>	2012

### Conference and Workshop Organization

CPAD 2024, Knoxville, TN, <i>Chair of Local Organizing Committee [of 5]</i>	2024
<i>The Future of High Energy Physics</i> , Aspen Center for Physics, <i>Conference Organizer [of 4]</i>	2024
PITT PACC Muon Collider Physics Benchmark Workshop, Pittsburgh, PA, <i>Invited Closing Remarks</i>	2023
ML4Jets, Rutgers University, <i>Session Chair</i>	2022
ATLAS SUSY and Exotics Workshop, Virtual	2020
ATLAS Reaching New Heights Workshop, CERN	2019
ATLAS SUSY Workshop, Lecce, Italy	2019
APS Division of Particles and Fields Meeting, Northeastern University	2019
ATLAS SUSY Workshop, Stockholm, Sweden	2018
ATLAS SUSY and Exotics Workshop, Bucharest, Romania	2017
Recursive Jigsaw Workshop, Harvard University	2015
Workshop on LHC Searches, LBNL	2014

### Teaching

Physics of Cosmic Rays Seminar and Design/Build Course w/ UT Architecture & Design (PHYS 494)	2025
Classical Mechanics I & II (PHYS 311/312)	2021–24
UTK HEP/Astro Seminar	2022
Graduate Research Participation Seminar	2021

### Selected Outreach Activities

<b>Harmonic Motion: Physics x Electronic Music</b> , Scruffy City Hall, Knoxville, TN	2024
<b>CosmoVision Cosmic Ray Educational Experience</b> w/ UTK Architecture & Design	2024–26

<b>Quantum Canvases: Physics, the Arts, and the Humanities</b>	2023
Lead organizer of a series of events in downtown Knoxville on the intersection of physics, the arts, and the humanities in collaboration with UTK Physics & Astronomy, CERN, and the UT Humanities Center.	
Electronic music event (“Harmonic Motion: Physics x Electronic Music”)	
Events around a collection of science fiction short stories	
A panel discussion on the intersection of physics and science fiction	
A humanities-facing physics colloquium event	
<b>ColliderScope – Particle-Physics-Inspired Electronic Music Project</b>	2019–
Music with sound waves that show particle physics images in Lissajous figures	
Live performances:	
Scruffy City Hall, Knoxville, TN ( <i>w/ Harmonic Motion</i> )	2024
Old City Performing Arts Center, Knoxville, TN ( <i>w/ Harmonic Motion</i> )	2023
Blue Moon Tavern, Seattle, WA ( <i>w/ Snowmass summer meeting</i> )	2022
Roskilde Festival, Denmark	2022
Cross Club, Prague, YouTube, Live from the CERN Control Centre ( <i>w/ ICHEP2020</i> )	2020
Lund, Sweden	2020
Aeronaut Brewing, Somerville, MA	2019
ATLAS Experiment, Geneva, Switzerland	2019
CERN Open Days, Geneva, Switzerland	2019
Pohoda Music Festival, Trenčín, Slovakia	2019
Commissioned Compositions:	
Intro Videos for the CERN Science Gateway Educational Program	2023
Intro Videos for CERN Music Festival Program	2019
Presented at multiple international and national conferences	
<b>Higgs Tenth Anniversary Celebration</b>	2022
Primary organizer for a documentary screening of <i>Particle Fever</i> and open panel session for the tenth anniversary of the discovery of the Higgs Boson. Held at Central Cinema in Knoxville, TN.	
<b>STEAM Trailer Design Project</b>	2021–22
Worked with the UTK College of Architecture and Design to design and construct an educational experience for local middle schoolers with a focus on the physics of sound and visualization.	
<b>Keynote presentation at event for Eureka Science Museum, Grand Junction, CO</b>	2021
<b>Presentations to Grade School Students</b>	
L&N STEM Academy, Knoxville, TN	2023
Tel Aviv University – Future Scientists CERN Tour	2017–19
Five presentations to NJ and NY schools	2011–16
<b>Harvard NSW Activities at CERN - Video (YouTube)</b>	
Fully produced video for recruitment	2018
<b>In Particular - Podcast</b>	2015–16
Video, audio, and original music production	
Tens of thousands of downloads (~ 11 TB served)	
Featured by CERN, iTunes, The Guardian Science Blogs, Ars Technica, Vice, and others	



**Visiting Scholar, Dharma Drum Mountain, Taiwan**

Several weeks of conversations with monastery's monks and academics

2014

**Press & Interviews**

DPB Annual Newsletter – The Muon Collider: A Modern Machine for a Modern World	2024
CERN Courier – A New Generation, A New Vision	2024
UTK Physics – The (Particle) Detectorists	2024
UTK Physics – NSF GRFP Awardee	2024
UTK Physics – The Art of Muon Collisions	2024
Interview for article for MIT Tech Review	2023
Interview for article for Symmetry Magazine on CERN music festival program	2023
Interview with Sparks Magazine on Asian Americans in STEM	2023
UTK Physics – In My Own Words: Undergraduate Taylor Sussmane	2023
UTK Physics – Challenging The Standard Model: Lawrence Lee Wins NSF CAREER Award	2023
UTK Physics – The Art of Science	2023
UTK Physics – The YETI Returns	2023
Interview with Danish podcast TechTopia	2022
<i>ColliderScope</i> featured in Symmetry Magazine	2019
Interview for article for Symmetry Magazine on naturalness	2019
CERN Courier – ATLAS Pushes the Limits on Supersymmetry	2019
Interview for Swedish-language podcast <i>Professor Magenta</i> about science and art	2016
Public screening of film Particle Fever w/ panel Q&A	2014

**University, College, and Departmental Committees and Service Roles**

Faculty Search Committee - Nuclear Theory	2024–25
Coordinator of Department Web Services	2024–
4 UTK Senior Thesis Committees	2024–
Provost Junior Faculty Fellows ( <i>UTK</i> )	2023–25
Graduate Recruitment Committee	2023–
SPS Faculty Advisor	2023–
Assessment Committee	2023–24
Graduate Advising Committee	2022–
Planning Committee	2022–24
Faculty Search Committee - Medium Energy Nuclear Experiment	2022–23
Qualifying Exam Committee	2022–23, 24–25
9 UTK PhD Thesis Committees	2021–
Community Connections Committee ( <i>Chair</i> )	2021–23
Department Head Search Committee ( <i>UTK College of Arts and Sciences</i> )	2021–22

**Past Student and Postdoc Mentorship**

*n.b. Square brackets denote initial position of mentorship relationship. Current position in italics.*

Charles Bell [undergrad, UTK]	<i>Physics PhD Student, UMichigan, NSF GRFP Awardee, Cover of Science, UTK Talley Award for Outstanding Undergrad Research, UTK Douglas V. Roseberry Distinguished Upper Class Major Award</i>
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Lacey Dishman [undergrad, UTK]	<i>Physics PhD Student, Boston University</i>
Taylor Sussmane [undergrad, UTK]	<i>Physics PhD Student, University of Wisconsin, Madison, Douglas V. Roseberry Distinguished Upper Class Major Award, UTK Talley Award for Outstanding Undergrad Leadership</i>
Philipp Wagenknecht [grad, UTK]	<i>Lab technician, Brown University</i>
Dr. Tamas Vami [grad, Johns Hopkins]	<i>Postdoc, UCSB</i>
Prof. Karri Folan DiPetrillo [grad, Harvard]	<i>Asst. Professor, University of Chicago</i>
Prof. Jennifer Roloff [grad, Harvard]	<i>Asst. Professor, Brown University</i>
Dr. Anthony Badea [grad, Harvard]	<i>Schmidt AI Fellow, University of Chicago</i>
Dr. Anne Fortman [grad, Harvard]	<i>Postdoc, LBNL</i>
Dr. Aaron White [postdoc, Harvard]	<i>Postdoc, Harvard</i>
Xiaohe Jia [grad, Harvard]	<i>Industry</i>
Madeline Bernstein [undergrad, Harvard]	<i>Physics PhD Student, UC Berkeley</i>
Dr. Stefanie Morgenstern [grad, Dresden/CERN]	<i>CERN Fellow</i>
Dr. Russell Smith [grad, Columbia]	<i>Trailstone Group, Energy Sector</i>
Prof. Emma Alexander [undergrad, Yale]	<i>Asst. Professor, Northwestern University</i>
Dr. Ariel Ekblaw [undergrad, Yale]	<i>Founder and Director of the MIT Space Exploration Initiative</i>

Last updated: February 12, 2025