

Physics Graduates with Astronomy Advisors

Nicholas Mondrik (TBD)	2020	Stubbs	<i>Calibration Hardware and Methodology for Large Photometric Surveys</i>
Michael Rowan	2019	Narayan	<i>Dissipation of Magnetic Energy in Collisionless Accretion Flows</i>
Andrew Chael	2019	Narayan	<i>Simulating and Imaging Supermassive Black Hole Accretion Flows</i>
Victor Buza	2019	Kovac	<i>Constraining Primordial Gravitational Waves Using Present and Future CMB Experiments</i>
Jae Hyeon Lee	2018	Eisenstein	<i>Prediction and Inference Methods for Modern Astronomical Surveys</i>
Albert Lee	2018	Finkbeiner	<i>Mapping the Relationship Between Interstellar Dust and Radiation in the Milky Way</i>
Tansu Daylan	2018	Finkbeiner	<i>A Transdimensional Perspective on Dark Matter</i>
Jake Connors	2018	Kovac	<i>Channel Length Scaling in Microwave Graphene Field Effect Transistors</i>
Michael Coughlin	2017	Stubbs	<i>Gravitational Wave Astronomy in the LSST Era</i>
Natalie Mashian	2017	Loeb	<i>Modeling the Constituents of the Early Universe</i>
Anna Patej	2016	Eisenstein/Loeb	<i>Distributions of Gas and Galaxies from Galaxy Clusters to Larger Scales</i>
Chin Lin Wong	2015	Kovac	<i>Beam Characterization and Systematics of the Bicep2 and Keck Array Cosmic Microwave Background Polarization Experiments</i>
Aaron Meisner	2015	Finkbeiner	<i>Full-sky, High-resolution Maps of Interstellar Dust</i>
Daniyar Nurgaliev	2014	Stubbs	<i>A Study of the Radial and Azimuthal Gas Distribution in Massive Galaxy Clusters</i>
Douglas Rubin	2014	Loeb	<i>Properties of Dark Matter Halos and Novel Signatures of Baryons in Them</i>
Antonio Copete	2013	Stubbs	<i>BAT Slew Survey (BATSS): Slew Data Analysis for the Swift-BAT Coded Aperture Imaging Telescope</i>
Jonathan Ruel	2013	Stubbs	<i>Optical Spectroscopy and Velocity Dispersions of SZ-selected Galaxy Clusters</i>
Tony Pan	2013	Loeb	<i>Properties of Unusually Luminous Supernovae</i>
Gautham Narayan	2013	Stubbs	<i>Light Curves of Type Ia Supernovae and Preliminary Cosmological Constraints from the ESSENCE Survey</i>
Eli Visbal	2013	Loeb	<i>Future Probes of Cosmology and the High-Redshift Universe</i>
Tongyan Lin	2012	Finkbeiner	<i>Signals of Particle Dark Matter</i>
Edward Schlafly	2012	Finkbeiner	<i>Dust in Large Optical Surveys</i>

John Girash	2010	Stubbs/Field	<i>A Fokker-Planck Study of Dense Rotating Stellar Clusters</i>
Fredrick High	2010	Stubbs	<i>The Dawn of Wide-Field Sunyaev-Zel'dovich Cluster Surveys: Efficient Optical Follow-Up</i>
Tracy Slayter	2010	Finkbeiner	<i>Signatures of a New Force in the Dark Matter Sector</i>
Malcolm Hicken	2009	Stubbs/Kirshner	<i>Doubling the Nearby Supernova Type Ia Sample</i>
Rebecca Shafee	2009	Narayan/McClintock	<i>Measuring Black Hole Spin</i>
Arti Garg	2008	Stubbs	<i>Microlensing Candidate Selection and Detection Efficiency for the Super MACHO Dark Matter Search</i>
Alexia Schulz	2007	Huth	<i>Astrophysical Probes of Dark Energy</i>
Lauren Hoffman	2007	Loeb	<i>Orbital Dynamics in Galaxy Mergers</i>
Daniel Babich	2006	Loeb	<i>Cosmological Non-Gaussianity and Re-ionization</i>
Cheng Zhu	2005	Dalgarno/Lukin	<i>Gas Phase and Molecular Process</i>
Feryal Ozel	2002	Narayan	<i>The Effects of Strong Magnetic and Gravitational Fields on Emission Properties of Neutron Stars</i>
Patrick Wong	2002	Shapiro	<i>Nuclear Magnetic Resonance Experiments Using Laser-Polarized Noble Gas</i>
Yi Chou	2002	Grindlay	<i>Developments of EXITE2 and Timing Analysis of Ultra-Compact X-ray Binaries</i>
David Fox	2001	Loeb	<i>The Structure of Clusters of Galaxies</i>
Adrian Daw	2000	Parkinson/Smith	<i>Measurement of the Radiative Lifetime of the $2s^2 2p^4 1S_0$ Metastable Level of Ne^{2+}; a Study of Forbidden Transitions of Astrophysical Interest</i>
Rosalba Perna	1999	Loeb	<i>Theoretical Studies of Gamma-Ray Bursts</i>
Charles Keeton	1998	Kochanek	<i>Using Gravitational Lenses to Study Galaxies and Cosmology</i>
Daniel Eisenstein	1996	Loeb	<i>Analytical Models for the Gravitational Formation of Objects in the Universe</i>
Daniel LeBach	1996	Shapiro	<i>Applications of Very-Long-Baseline Interferometry to Tests of General Relativity</i>
Huan Lin	1995	Kirshner	<i>The Las Campanas Redshift Survey</i>
Raj Manandhar	1995	Grindlay	<i>Development of a New Detector for Hard X-Ray Observations of Non-Thermal Emission from Low-Mass X-Ray Binaries</i>
Daniel Savin	1994	Kohl	<i>Absolute Measurements of Field Enhanced Dielectronic Recombination and Electron Impact Excitation</i>
Reza Mollaghababa	1993	Thaddeus	<i>Millimeter-Wave Spectroscopy of Three Highly Reactive Astrophysical Molecules: SiC, SiO, and C₃H₂</i>

Corbin Covault	1991	Grindlay	<i>The Energetic X-ray Imaging Telescope Experiment: Instrument Development and Observations of Black Hole Candidates in Binaries</i>
Seth Digel	1991	Thaddeus	<i>Molecular Clouds in the Distant Outer Galaxy</i>
Robert Rogers	1991	Press/Field	<i>The Origins of the Cosmic X-Ray and Gamma-Ray Backgrounds</i>
Katie Coughlin	1990	Thaddeus	<i>Quasi-Periodic Taylor-Couette Flow</i>
Alyssa Goodman	1989	Myers/Shapiro	<i>Interstellar Magnetic Fields: An Observational Perspective</i>
David Bank	1985	Grindlay	<i>Non-Thermal Radiation Mechanisms and Processes in SS433 and Active Galactic Nuclei</i>
Ronald Kahn	1985	Press	<i>Topics in Inflationary Cosmology</i>
Luiz Alberto Da Costa	1979	Cameron	<i>Effects of a Central Gas Cloud in Dense Stellar Systems.</i>
Philip Shorer	1979	Dalgarno	<i>Application of the Relativistic Random-Phase Approximation to the Photoexcitation and Photoionization of Atoms</i>
Robert Rosner	1976	Layzer	<i>Some Aspects of Magnetic Field Dynamics in Astrophysical Plasmas</i>
Ronald Bieniek	1975	Dalgarno	<i>Theoretical Studies of Thermal Atomic Collisions Involving Electronic Transitions</i>
Michael Hively	1972	Layzer	<i>Cosmology of a Cold Universe.</i>
Randolph Levine	1972	Layzer	<i>Heating of the Corona by Magnetic Acceleration of Thermal Particles.</i>
Timothy Stephens	1971	Dalgarno	<i>Quantum Mechanical Studies of Molecular Hydrogen</i>
Stephen Cavrak. Jr.	1971	Fazio/Purcell**	<i>The Production of Atmospheric g Rays with $E_g > 10$ MeV</i>
David Milder	1969	Layzer	<i>Rotating Stellar Systems</i>
Henry Rieke	1969	Fazio/Bainbridge**	<i>A Search for Cosmic Gamma Rays by Detection of Atmospheric Cerenkov Radiation</i>
David Hearn	1968	Fazio	<i>A Search for Celestial Sources of Gamma Rays of Energy Greater than 100 MeV</i>
Patrick Palmer	1967	Lilley	<i>Radio Frequency Recombination Spectra of Diffuse Nebulae</i>
George Rybicki	1965	Krook	<i>Transfer of Radiation in Stochastic Media</i>
Eugene Avrett	1962	Krook	<i>Solutions of the Equation of Radiative Transfer</i>
John Bahcall	1961	Layzer	<i>Theory of Bound-State Beta Decay</i>
Ralph Snyder	1961	Layzer	<i>Relativistic Energies in Isoelectronic Sequences</i>