

Time	Event	Location
Monday, July 7th, 2025		
9:00 am - 9:30 am	Welcome and coffee	Phillips Auditorium
9:30 am - 10:00 am	Opening Remarks: <i>Cecilia Garraffo</i> (Director of AstroAI)	Phillips Auditorium
10:00 am - 11:30 am	Keynote Speaker: <i>Bill Freeman</i> (Massachusetts Institute of Technology) Title: TBA	Phillips Auditorium
11:30 am - 12:00 pm	Break	Phillips Auditorium
12:00 pm - 1:00 pm	Contributed Talks: Cosmology - Ashod Khederlarian (Deep Learning Photometric Redshifts for Roman) - Helen Shao (Signal-Preserving Diffusion Models for CMB Foreground Reconstruction) - Jack Grossman (A Diffusion-Based Machine Learning Model to Infer the Neutrino Effects from Large Scale Structure)	Phillips Auditorium
1:00 pm - 2:00 pm	Lunch	Pratt / Lobby / Atrium
2:00 pm - 2:30 pm	Spotlight Speaker: <i>Alan Hsu</i> (Harvard University) Title: Reconstructing Galaxy Cluster Mass Maps using Score-based Generative Modeling	Phillips Auditorium
2:30 pm - 3:30 pm	Contributed Talks: Disks/Exoplanets - Eddie Berman (Augmenting Spectra Emulation with Deep Evidential Regression for Biomarker Retrieval) - Sebastian Ratzenboeck (Learning with Gaps: A Domain-Adaptive SBI Framework for Mapping Young Stars) - Sayed Shafaat Mahmud (Inferring Planet & Disk Parameters Using a Variational Autoencoder)	Phillips Auditorium
3:30 pm - 5:00 pm	Poster Session Poster 1: Srinadh Reddy Bhavanam (MargFormer: Photometric Classification of Stars, Quasars & Compact Galaxies with Cross-Attention Vision Transformer) Poster 2: Rocco Di Tella (Building Honest Agents Through Introspection: Probe-driven Confidence Scores) Poster 3: Rosa A. Gonzalez (Using AI to Determine the Globular Cluster System - Stellar Mass Relation at $z=0.4$) Poster 4: Hossein Hatamnia (AI-Driven Cosmic Web Identification)	Library

Time	Event	Location
	Poster 5: Bradley Hutchinson (Sequential Unsupervised Learning for Large Multicolor Surveys) Poster 6: Naysha Jain (Exospore: AI-Driven Detection of Microbial Life) Poster 7: Rintaro Kanaki (Modeling Spatial Selection Effects in Photometric Redshifts) Poster 8: Fulya Kiroglu (When Stars Collide: Neural Network Reconstruction) Poster 9: Christina X. Liu (Exoplanet Habitability via Machine Learning) Poster 10: Carolyn M. Mill (Investigating Survey Systematics with Bayesian Statistics) Poster 11: Lorenzo Monti (Unveiling Hidden Structures with Semi-supervised Clustering) Poster 12: Andrea Persici (Blended Source Detection in Deep Fields) Poster 13: Ashwini Nagaraj Shenoy (Solar Flare Forecasting using ML/DL) Poster 14: Adiba Amira Siddiqa (Detecting Dark Star Candidates) Poster 15: Jared Sofair (Spectrophotometric Inference of Stellar & Binary Parameters)	
5:30 pm	Reception	Library

Time	Event	Location
Tuesday, July 8th, 2025		
9:00 am - 9:30 am	Coffee	Phillips Auditorium
9:30 am - 11:00 am	Keynote Speaker: <i>David Alvarez-Melis</i> (Harvard University) Title: TBA	Phillips Auditorium
11:00 am - 11:30 am	Break	Phillips Auditorium
11:30 am - 12:30 pm	Contributed Talks: Miscellaneous • Yi Yang (AstroAgent: An Intelligent Assistant... MCP Protocol) • Markus Michael Rau (Hybrid AI-MCMC Inference) • Dimitrios Tanoglidis (Multimodal Models in Astrophysics)	Phillips Auditorium
12:30 pm - 1:30 pm	Lunch	Pratt / Lobby / Atrium
1:30 pm - 2:00 pm	Spotlight Speaker: <i>Nayantara Mudur</i> (Harvard University) Title: TBA	Phillips Auditorium
2:00 pm - 3:00 pm	Demofest (Seamless Astronomy)	Library
3:00 pm - 3:30 pm	Hackathon Pitches	Library
3:30 pm - 5:00 pm	Diffusion Models Tutorial: <i>Philipp Frank</i> (Stanford University) Title: TBA	Library / Fishbowl / Pratt / Lobby / B-105 / B-106

Time	Event	Location
Wednesday, July 9th, 2025		
9:00 am - 9:30 am	Coffee	Phillips Auditorium
9:30 am - 11:00 am	Keynote Speaker: <i>Ashley Villar</i> (Harvard University) Title: TBA	Phillips Auditorium
11:00 am - 11:30 am	Break	Phillips Auditorium
11:30 am - 1:00 pm	Keynote Speaker: <i>Elisabeth Sylvan</i> (Brown University / RISD / TUM) Title: Responsible AI in Research	Phillips Auditorium
1:00 pm - 2:00 pm	Lunch	Pratt / Lobby / Atrium
2:00 pm - 2:30 pm	Spotlight Speaker: <i>Kaylee De Soto</i> (Harvard University) Title: TBA	Phillips Auditorium
2:30 pm - 3:30 pm	Contributed Talks: Galaxies/Cosmology • Aryana Haghjoo (Super-Resolving Galaxy Spectra with Diffusion Models) • Luca Gomez Bachar (Error-Bounded Physics-Informed NN Evolution) • Martin Ying (Dartmouth Stellar Evolution Emulator)	Phillips Auditorium
3:30 pm - 5:00 pm	SBI Tutorial: <i>Ashley Villar</i> (Harvard University) Title: TBA	Library

Time	Event	Location
Thursday, July 10th, 2025		
9:00 am - 9:30 am	Coffee	Phillips Auditorium
9:30 am - 11:00 am	Keynote Speaker: <i>Viviana Acquaviva</i> (CUNY NYC College of Technology / Columbia University) Title: Interpretability tools in scientific Machine Learning	Phillips Auditorium
11:00 am - 11:30 am	Break	Phillips Auditorium
11:30 am - 12:30 pm	Contributed Talks: AGN & Lensing • Ingrid Vanessa Daza Perilla (Neural Posterior Estimation for MYTorus Decoupled) • Sogol Sanjaripour (Galaxy SED AGN Identification & Correction) • Nandini Sahu (AI-Accelerated Gravitational Lens Modeling)	Phillips Auditorium
12:30 pm - 1:30 pm	Lunch	Pratt / Lobby / Atrium
1:30 pm - 2:00 pm	Spotlight Speaker: <i>Matthew O'Callaghan</i> (University of Cambridge) Title: Robust Simulation-Based Inference: Bridging the Gap Between Simulation & Observation	Phillips Auditorium
2:00 pm - 3:00 pm	Contributed Talks: Stellar • Ilay Kamai (Multi-Modal NN Stellar Parameter Predictions) • Paul Gregory (Transformer-Based TESS Light Curve Classification) • Pablo Mercader Perez (Starspot Map Reconstruction via Deep Learning)	Phillips Auditorium
3:00 pm - 5:00 pm	Interpretability Tutorial: <i>Core Park</i> (Harvard University) Title: TBA	Phillips Auditorium

Time	Event	Location
Friday, July 11th, 2025		
9:00 am - 9:30 am	Coffee	Phillips Auditorium
9:30 am - 11:00 am	Keynote Speaker: <i>Marc Huertas-Company</i> (Instituto de Astrofísica de Canarias / University of Paris) Title: TBA	Phillips Auditorium
11:00 am - 11:30 am	Break	Phillips Auditorium
11:30 am - 12:30 pm	Contributed Talks: High Energy/Time Domain • Ann-Kathrin Schuetz (From LEGEND to Binary Black Hole) • Srinadh Reddy Bhavanam (Deep Learning for Compton Image Reconstruction) • Ole Koenig (Modeling X-Ray Photon Pile-Up with ML)	Phillips Auditorium
12:30 pm - 1:30 pm	Lunch	Pratt / Lobby / Atrium
1:30 pm - 2:00 pm	Spotlight Speaker: <i>Daniel Muthukrishna</i> (MIT, AstroAI) Title: TBA	Phillips Auditorium
2:00 pm - 5:00 pm	Hackathon	Library / Fishbowl / Pratt / Lobby / B-105 / B-106