

Colloquium Schedule/ Videos

Fall 2021- Spring 2022

date	speaker	title	Colloquium Videos
9/2/21	Jennifer Ross	Welcome Colloquium	Welcome Colloquium video
9/9/21	Mitchell Soderberg	Particle Prospecting: Digging for Discovery with Neutrinos	Mitchell Soderberg Colloquia video
9/16/21	Joseph Paulsen	The Wrinkle-to-Crumple Transition in Thin Elastic Solids	Joseph Paulsen colloquia video
9/21/21	Craig Cahillane	Controls and inference for current and future gravitational wave detectors	Craig Cahillane colloquia video
9/23/21	Georgia Mansell	Commissioning the advanced LIGO detectors for the fourth observing run	Georgia Mansell colloquia video
9/28/21	Scott Watson	Cosmology and New Physics	Scott Watson colloquia video
9/30/21	Jay Hubisz	New Horizons in Physics From Open Quantum Systems	Jay Hubisz colloquia video
10/05/21	Anna Green	Smoothing the Road Towards Precision Gravitational Wave Observations: Overcoming Optical Imperfections for Current & Future Detectors	Anna Green colloquia video
10/12/21	Bryan Ramson	High Energy Physics Seminar: Neutrino Physics Needs a New Generation of Bubble Chambers with Light Nuclear Targets	Bryan Ramson HEP seminar video
10/14/21	Margaret Gardel	Virtual: Physics of Morphogenetic Matter	Margaret Gardel colloquium video
10/21/21	Fernanda Psihas	High Energy Physics Seminar: Prospects for a 100-ton scale neutrino-less double-beta decay at DUNE	Fernanda Psihas HEP seminar video
10/26/21	Daniel Johnson	High Energy Physics Seminar: What's the matter with matter?	Daniel Johnson HEP seminar video
10/28/21	Rafael Silva Coutinho	Virtual - Beauty Quarks behaving awkwardly, or is New Physics hiding in flavor?	Rafael Silva Coutinho's seminar video
11/04/21	Phy-GO	COVID 19 Listening session	
11/11/21	Rosario Porras-Aguilar	Virtual- Polarization-based quantitative phase microscopy	Rosario Porras-Aguilar colloquia video
11/18/21	Physics EID Event	Microscopes and Telescopes	
11/25/21	Thanksgiving No colloquium		
12/02/21	Holiday Party! Yay!		
12/09/21	Jennifer Ross, Physics Dept. Chair	Community Conversations with Syracuse University Department of Public Safety	
1/20/22	Jennifer Ross, Department Chair	Welcome Back	
1/27/22	Dr. Bryan VanSaders, University of Chicago Reserve: BioInspired MetaMaterials Search	Dislocation machines: topological defects for organizing shape change in crystalline metamaterials	Bryan VanSaders
2/1/22	Dr. Chrisy Xiyu Du, Harvard University Reserve: BioInspired MetaMaterials Search	Programming Interaction and Assembly with Magnetic Handshake Materials	Chrisy Xiyu Du

2/3/22	Dr. Erin Teich, University of Pennsylvania Reserve: BioInspired MetaMaterials Search	Discovery and design of emergent behavior in soft materials	Erin Teich
2/8/22	Dr. Varda Faghir Hagh, University of Chicago Reserve: BioInspired MetaMaterials Search	Systematic manipulation of disorder for extraordinary functionality in materials	Varda Faghir Hagh
2/10/22	Dr. Qingkun Liu, Cornell Reserve: BioInspired MetaMaterials Search	Microrobots with electrically programmable shapes	Qingkun Liu
3/1/22	Andrei Klishin	Human learning of semantic networks	Andrei Klishin
3/3/22	Dheeraj Pasham	Mysterious quasi-periodic signals from centers of external galaxies	Dheeraj Pasham
3/10/22	No colloquium	No colloquium	
3/17/22	Spring Break No colloquium March Meeting	Spring Break No colloquium March Meeting	
3/24/22	Mark Trodden	Gravity in the Age of Precision Cosmology	Mark Trodden
3/31/22	Mary Elting	Destructive Testing on Cellular Machinery: Probing Mechanics of Cell Division by Laser Ablation	Mary Elting
04/07/22	Steve Fairhurst	Observations of Gravitational Waves from Black Hole and Neutron Star Mergers	Steve Fairhurst
04/21/22	Jennifer Ross, Department Chair	Department Celebration	Jennifer Ross, Department Chair
5/5/22	Neal Powless, SU Ombuds	Community Conversations with Neal Powless, Syracuse University Ombudsperson	Neal Powless, SU Ombuds

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09/10/20	Stefan Ballmer	Designing the Next Generation of Terrestrial Gravitational-Wave Detectors	Stefan Ballmer colloquia video
09/17/20	Matt Rudolph	Looking for physics beyond the Standard Model with b-quark decays	Matt Rudolph colloquia video
09/24/20	Jen Schwarz	From chromatin to COVID: A theoretical physicist's search for new collective phenomena in living matter	Jennifer Schwarz colloquia video
10/08/20	Sinclair Manning	Characterization of "HST-Dark" Dusty Star-Forming Galaxies in the MORA Survey	Sinclair Manning colloquia video
10/15/20	Jonathan Asaadi	Pixelation: Bringing liquid noble element detectors into focus	Jonathan Asaadi colloquia video
10/22/20	Carlos Vargas	Why I Stopped Waiting for Someone Else to Map the Warm-hot Circumgalactic Medium	Carlos Vargas colloquia video
10/29/20	Kate Alexander	Cosmic Extremes: Time-Domain Astrophysics in a Multi-Messenger World	N/A
11/05/20	Steve Penn	New Vision for LIGO: Coating Thermal Noise and the New Observables for Gravitational Wave Astronomy	Steven Penn colloquia video
11/11/20	Guillaume Duclos	Hydrodynamics instability, buckling, and topological defect loops in 3D active nematics	Guillaume Duclos colloquia video

11/12 /20	Jonathan Rosner (U. Chicago)	"Exotic hadrons — 56 years and counting"	Jonathan Rosner colloquia video
11/19 /20	Bryan Ramson (FNAL)	Using the Whole Buffalo: Coordinating subsystems of the DUNE Far Detector prototype for a measurement of light attenuation in liquid argon	Bryan Ramson colloquia video
02/11 /21	Rafael Coutinho	A Flavorful Road to New Physics?	Rafael Silva Coutinho colloquium video
2/18 /21	Nathan Keim	Cyclic Memories in Disordered Matter	Nathan Keim colloquia video
2/25 /21	Brian Nord	Deeply Uncertain: Using AI to Disentangle Signals in Cosmological Probes for Next-Generation Experiments	Brian Nord colloquia video
3/4 /21	Brooke Russell	Readying for the Neutrino Onslaught: design and prototyping for the DUNE LAr Near Detector	Brooke Russell colloquia video
3/11 /21	Fernanda Psihas	Deep Learning In Neutrino Physics	N/A
3/18 /21	Kandice Tanner	Microenvironment regulation of metastasis	Fernanda Psihas colloquia video
4/8 /21	Yue Zhao	Astrophysical Probes to New Physics Beyond the Standard Model	Yue Zhao colloquia video
4/15 /21	Antun Skanata	Evolving memory across scales: from populations to ecosystems	Antun Skanata colloquia video
4/22 /21	Eugenia Etkina	Investigative Science Learning Environment (ISLE): helping students learn physics by practicing it and be empowered	Eugenia Etkina colloquia video
4/29 /21	Evelyn Tang	Predicting Robust Emergent Function in Living and Active Systems	Evelyn Tang colloquia video
5/6 /21	Jennifer Ross	Community Conversations Colloquia	Community Conversations colloquia video
5/13 /21	Jennifer Curtis	Coordinating Adhesion with Repulsion: How Cells Use Polymer Brushes to Orchestrate Life	Jennifer Curtis colloquia video