

Physics

Session **U**

Room: 107 Downs

1:00 - 1:20 PM	Josephine A. Tsai Princeton University	Disorder-induced Gapping of the Soft Electronuclear Mode in an Ising Magnet	Thomas F. Rosenbaum <i>President; Professor of Physics</i> Daniel Silevitch <i>Research Professor of Physics</i>
1:20 - 1:40 PM	Jiakai Chen University of Cambridge	Monte Carlo Simulation of the $\text{LiHo}_x\text{Y}_{1-x}\text{F}_4$ Quantum Ising Magnet	Daniel Silevitch <i>Research Professor of Physics</i> Thomas F. Rosenbaum <i>President; Professor of Physics</i>
1:40 - 2:00 PM	Jackson C. Glass University of Virginia <i>KNI SURF-the-WAVE Prize Fellow</i>	Investigation of In-Situ Iron Doping and Ferromagnetism in 2-Dimensional MoS_2	Nai-Chang Yeh <i>Thomas W. Hogan Professor of Physics</i> Daniel Anderson <i>Graduate Student in Materials Science</i>
2:00 - 2:20 PM	Cheng-Hsun Yang National Taiwan University <i>BaBar SURF Fellow</i>	Investigating Orbital Angular Momentum Light-induced Excitonic States in MoS_2 on Periodic Strained SiO_2 Nanoarray via Scanning Tunneling Microscopy and Photoluminescence	Nai-Chang Yeh <i>Thomas W. Hogan Professor of Physics</i> Jen-Te Chang <i>Graduate Student in Physics</i>
2:20 - 2:40 PM	James Buda University of California, Irvine	Estimation of the Stochastic Gravitational Wave Background Using the Memory Effect	Yanbei Chen <i>Professor of Physics</i> Kwinten Fransen <i>Heising-Simons Postdoctoral Scholar Research Associate in Theoretical Physics</i>
2:40 - 2:50 PM	BREAK		
2:50 - 3:10 PM	Yifan Hu Imperial College London	Hard X-ray Contribution in AU Mic Flares and Its Minor Role in Atmospheric Escape	Murray Brightman <i>NuSTAR Science Operations Specialist</i>

3:10 - 3:30 PM	Cyrus Clabeaux Stony Brook University	Understanding Black Hole Accretion Flow Properties in GX 339-4 Using NICER and NuSTAR	Fiona A. Harrison <i>Harold A. Rosen Professor of Physics</i> Shina Adegoke <i>Postdoctoral Scholar Research Associate in Physics</i>
3:30 - 3:50 PM	Robert J. Mailliard Indiana University Bloomington <i>WAVE Fellow</i>	Connecting the Dots: Searching for Little Red Dot Analogs in Nearby Bright Compact Galaxies	Fiona A. Harrison <i>Harold A. Rosen Professor of Physics</i> Peter Boorman <i>Postdoctoral Scholar Research Associate in Physics</i>
3:50 - 4:10 PM	Vincent Caudillo University of California, Irvine <i>WAVE Fellow</i>	Searching for Changing-look Active Galactic Nuclei via Multi- epoch X-ray Variability and Optical Spectral Follow-up	Fiona A. Harrison <i>Harold A. Rosen Professor of Physics</i> Elias Kammoun <i>Postdoctoral Scholar Research Associate in Physics</i>
4:10 - 4:30 PM	Indie E. Desiderio-Sloane <i>Thomas Lauritsen SURF Fellow</i>	Testing Accretion Disk Geometry With X-ray Reflection Spectroscopy	Fiona A. Harrison <i>Harold A. Rosen Professor of Physics</i> Joanna Piotrowska-Karpov <i>Postdoctoral Scholar Research Associate in Physics</i>
4:30 - 4:50 PM	Kenji P. Farrell	Developing an Image Simulator for the Ultraviolet Explorer (UVEX) Mission	Fiona A. Harrison <i>Harold A. Rosen Professor of Physics</i> Soumyadeep Bhattacharjee <i>Graduate Student in Astrophysics</i>