



SENIOR I.S. ORAL PROGRESS REPORT TOPICS

AERALYN FLYNN: *Creating Spectroscopic Models of the Surface of the Uranian Moon Puck*

KARMELLAH BUTTLER: *Analyzing Avalanche Dynamics in a Conical Bead Pile with Particle Image Velocimetry*

LILY BAKER: *An Investigation of the Properties of Electrospray Deposition*

MADELYN NOLL: *Polarization-Dependent Behavior of Entangled Two-Photon States*

SAHIL BINDAL: *Exploring Nonlinear Phase Accumulation in Polarized Light*

POSTER SESSION

YOHANNES ABATENEH: *Mechanics of an Absorptive Anisotropic Particle Under the Influence of An External Em Field*

NOAH HANKIN: *Investigating Pioneer Factors Mechanisms Invading Silent Chromatin Utilizing a Dual Optical Trap*

GUS THOMAS: *Towards Dynamic Inference for Gamma-Ray Burst Localization on a Balloon-Borne Telescope*

MOLLY COHAN: *Laser Hearing in Metal Coatings & Gold Nanoparticle Plasmonics*

GUSTAV BOURDON: *Time Multiplexing Using an Optical Switch For PDV*

Event Details

- Thursday, November 21, 2024
- 11:00 AM – 12:00 PM
- Donuts & Lemonade will be provided.
- Enjoy our Seniors I.S. oral progress reports and poster session.

