



# WOOSTER

## Physics

Colloquium Series

# Junior IS Oral Reports

**11am Tuesday, May 2nd**  
**Taylor 111**

**Luke Wilson**

Measuring Earth's Rotation with a Compton Generator

**Kelsey McEwen**

Determining the Trajectory of an Anisotropic Particle Around an Optical Nanofiber

**Aidan Mason**

Creating Stationary Waves in a Reaction-Diffusion-Advection System Using the Belousov-Zhabotinsky Reaction

**Kelly Kim**

The Inharmonicity of a Violin

**Abrar Khondker:**

Using Gravitational Lensing to Estimate Galactic Masses and Dark Matter Content of Samples from the Sloan Lens ACS Survey

**Amanuel Jissa:**

The Hysteresis Curve and the Ferromagnetic Domains: Impurity of Crystals

**Nicholas Gaba:**

Empirical Characterization of Fly Rods and Connections to Casting Behavior

**Yohannes Abateneh:**

Force Profiles During a Deadlift

**Sahil Bindal:**

Building a Piezoelectric Road