



Department of Physics and Astronomy
FALL 2023 Colloquium Series

“Summer Research Experience”

Sac State Physics Majors

Theresa Nguyen - *Investigating the Nature of Spiral Arms: Tidal Interactions*

Philip Sommerfeld - *Feasibility Study of Higgs Boson Pair Production in Preparation for Future Collider Experiments*

Haley Steuber - *The Reduction and Analysis of New Brown Dwarf Spectra Contained in the IRTF/SpeX Archive*

Chevy Cecil - *Dynamical Simulations of the 2-Dimensional Transverse Field Ising Model on a Square Lattice Using Emulated Qubits*

Towy Zheng - *Exploring the Spurs of the Galaxy and What They Would Look Like from Earth's Perspective*

Justin Vian-Reagan - *Measuring the Thermal Contraction of Polylactic Acid*

Thursday, September 14, 2023

4:00 - 5:20PM

MND1015

Open & Free to all students, faculty and public