



Department of Physics and Astronomy  
FALL 2025 Colloquium Series

# Summer Research Experience

*Sac State Physics and Astronomy Majors*

***Analysis of Relativistic Jets in Numerical Simulations***

- Kobe Ramirez

***Understanding the Kinematics of Dark Photons Decaying to Displaced Taus***

- Mauricio Uribe Moreno

***Actin Mechanics and Localization in PEG/DEX Aqueous Phase Separated Droplets***

- Jasmine Doyle

***Modeling Star Formation in Galactic Disks: Testing Turbulence-Sensitive Criteria with SPH Simulations***

- Jack Ghirardelli

Thursday, Sept. 4, 2025  
4:00 - 5:20PM

MND1015

*Open & Free to all students, faculty and public*