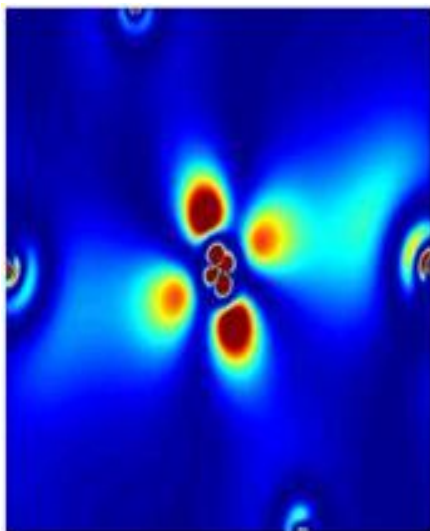


Study Physics at Missouri S&T



Why Physics?

- Physics is the most fundamental of sciences; it explains how the world works. All natural phenomena obey the laws of physics.
- Studying physics develops quantitative reasoning and problem-solving skills that are valuable in many fields.
- Physics majors have broad career perspectives, from basic research to industry, spanning fields from technology to medicine, finance, and law.



Why Missouri S&T?

- The S&T Physics department is just the “right size”: big enough to provide a rich education and exposure to cutting-edge topics, small enough to give individual attention to every student.
- S&T Physics offers a combination of focus areas not found elsewhere in Missouri.
- Our students have many opportunities to work on state-of-the-art research projects with faculty who are world leaders in their fields.

Department Overview

- We offer BS, MS, and PhD degrees and a 4+1 Grad Track Pathway program to the MS for exceptional undergraduates.
- We currently have 15 faculty, 30 graduate students, and 80 undergraduates.
- We have research programs in astrophysics; atomic, molecular, and optical physics; and condensed matter and materials physics.



**Physics
Department**
physics.mst.edu

Contact us:

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Phone: (573) 341-4781
Facebook: SandTPhysics
1315 N Pine St., Rolla MO 65409



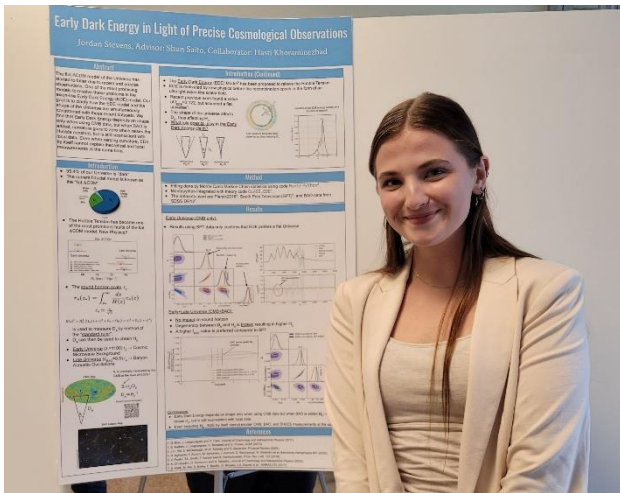
SELECT COURSES OFFERED

Physical mechanics
Electricity & magnetism
Quantum physics
Thermal physics
Atomic and molecular physics
Nuclear and particle physics
Solid state physics
Astrophysics
Computational physics
Chaos and fractals
Cosmology
Optics



Student Organizations

- Society of Physics Students
- Women in Physics
- Sigma Pi Sigma
- Astronomical Research Society



Undergraduate Research

Our students have many opportunities to be involved in research:

- Advanced Lab
- Physics 4099
- Fuller Competition
- First Year Research Experience
- Opportunity for Undergraduate Research Experience (OURE)

KEY RESEARCH TOPICS

Dark energy
Gravitational waves (LIGO)
Ultrafast lasers
Novel materials
Quantum phenomena
Low temperature physics
High-performance computing

