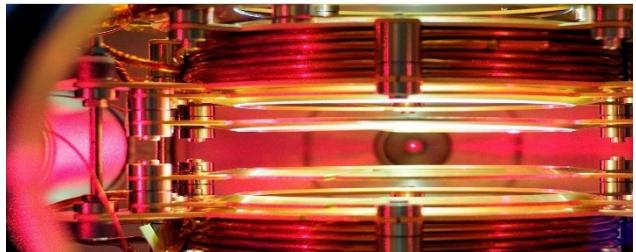
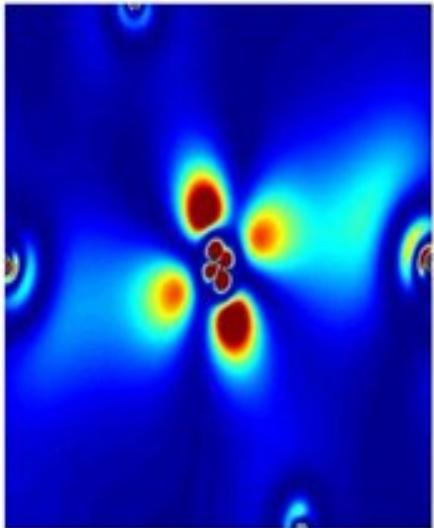


# Study Physics at Missouri S&T



## 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 16 faculty, 30 graduate students, and 90 undergraduates.
- We have research programs in astrophysics; atomic, molecular, and optical physics; and condensed matter and materials physics.



**Physics  
Department**  
[physics.mst.edu](http://physics.mst.edu)

Contact us:

Email: [physics@mst.edu](mailto:physics@mst.edu)  
Phone: (573) 341-4781  
Facebook: SandTPhysics  
1315 N Pine St., Rolla MO 65409



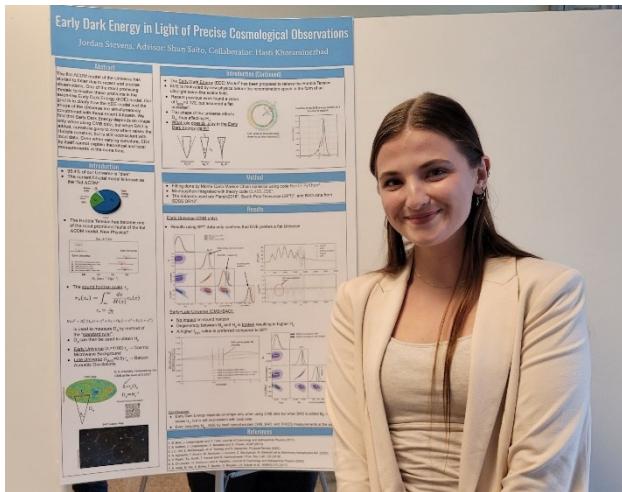
## SELECT COURSES OFFERED

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



## KEY RESEARCH TOPICS

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

