



# WOOSTER

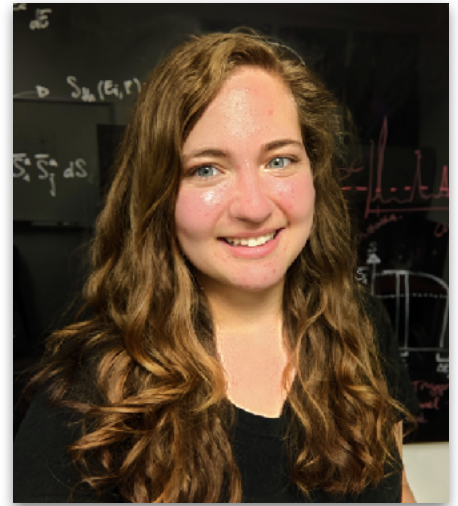
## Physics

Colloquium Series

**11a.m. Thursday, April 11th**  
**Taylor 111**

Clear as a Beall:  
Silicon Detector Development  
from a Wooster Alum

Dr. Amanda Steinhebel  
Post Doctoral Fellow, NASA



Efficient particle detection and reconstruction is paramount for physics advancements in high-energy astrophysics as well as collider-based particle physics and nuclear physics. This talk will explore the development and utilization of silicon-based detectors in space-based and collider-based environments with an emphasis on AstroPix – an HV-CMOS active pixel sensor currently being developed for use in both astrophysics and nuclear physics instruments. Special attention will be paid to the development of the scientist in addition to the technology with an emphasis on transferable skills and what can be gained from a strong liberal arts background.