

---

---

# Applying to REU

**William Lentz:** Senior, Physics, Applied Math Major

—— **Amber Lenon:** Senior, Physics Major ——

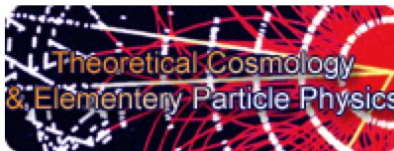
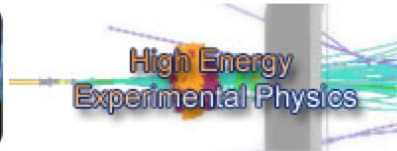
**Sam Usman:** Senior, Physics & Math Major, French Minor

---

---

# Research at Home Institution

- Explore research at your home institution
- See what interests you
- Get in contact with a professor from that group



# Summer Research

## What is an REU?

- “Research Experience for Undergraduates”
- Funded by the National Science Foundation
- 8-10 weeks
- Opportunity to do research at another university in an area that interests you

# Benefits of an REU

- Network with undergrad and grad students and faculty
- Meet other students with similar interests
- Have a letter of recommendation from your advisor
- Research experience is good
- \$\$\$ (stipend)
- CV/Resume booster
- It's fun!

# How to Find an REU

- Conferences
- Home department
- Research Advisor
- Online
  - NSF REU: [http://www.nsf.gov/crssprgm/reu/reu\\_search.jsp](http://www.nsf.gov/crssprgm/reu/reu_search.jsp)
  - Physics: [http://www.nsf.gov/crssprgm/reu/list\\_result.jsp?unitid=69](http://www.nsf.gov/crssprgm/reu/list_result.jsp?unitid=69)
  - Engineering: [http://www.nsf.gov/crssprgm/reu/list\\_result.jsp?unitid=10006](http://www.nsf.gov/crssprgm/reu/list_result.jsp?unitid=10006)
  - Material Research: [http://www.nsf.gov/crssprgm/reu/list\\_result.jsp?unitid=5052](http://www.nsf.gov/crssprgm/reu/list_result.jsp?unitid=5052)
  - Astronomical Sciences: [http://www.nsf.gov/crssprgm/reu/list\\_result.jsp?unitid=5045](http://www.nsf.gov/crssprgm/reu/list_result.jsp?unitid=5045)
  - Computer and Information Science and Engineering:  
[http://www.nsf.gov/crssprgm/reu/list\\_result.jsp?unitid=5049](http://www.nsf.gov/crssprgm/reu/list_result.jsp?unitid=5049)

# What We Did During Our REU

## Bill

- 10 weeks at NYU in Manhattan
- Worked for Prof. Shelley as part of MRSEC at NYU
- Helped create and implement a computational model

## Amber

- 10 weeks at University of Alabama-Huntsville
- Worked for Samaiyah Farid as part of CSPAR and Marshall Space Flight Center
- Looked at the luminosity of near disk center active regions to evaluate contribution to coronal heating

## Sam

- 8 weeks at Orsay in France
- Worked for University of Florida at the Laboratoire de l'Accélérateur Linéaire with researchers from Virgo
- Worked on Detector Characterization

# Application Process

- Unfortunately, no “common app”
- On NSF website, there is a link to the REU webpage
- On flyers/emails there will also be a link or contact info
- General Application Materials
  - “Personal Statement”
  - 2 Letters of Recommendation
  - Transcript