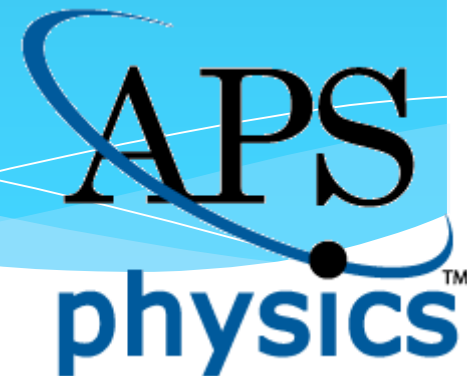
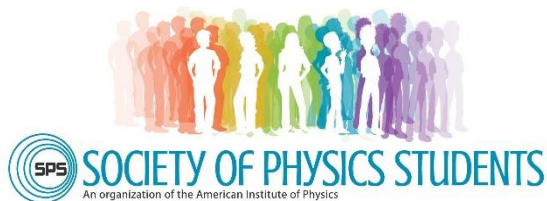


# Methods of Raising Awareness and Increasing Participation of Underrepresented Minorities in Physics Ph.D. Programs

APS Bridge Program Intern  
Joseph Dees

In Conjunction with Brián Clash



# The Problem

URM Populations

33% College Age American

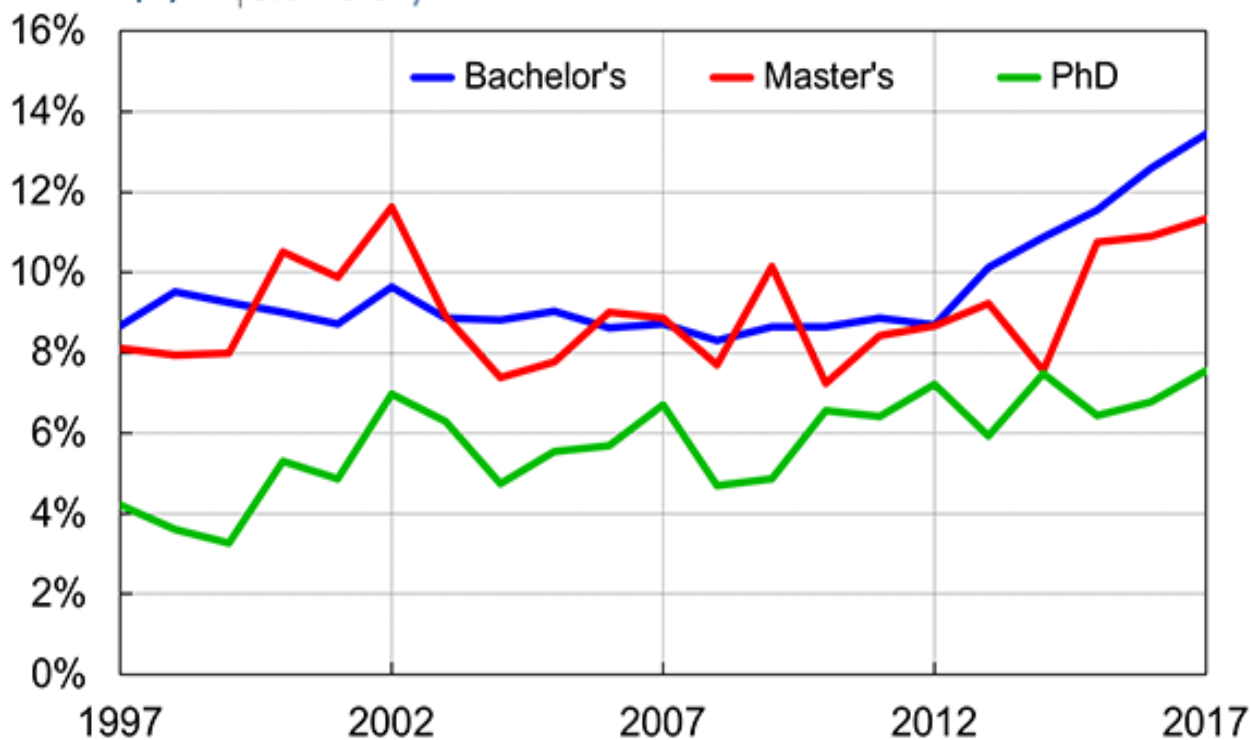
13.5% Physics Bachelors

11% Physics Masters

7% Physics PhD



## Underrepresented Minorities in Physics



Source: IPEDS and APS



# Motivation

- Sense of Belonging
- Social Isolation
- Academic Isolation
- Impostor Syndrome
- Lack of Mentors
- Community Support
- Funding

## WHAT WAS NOT MENTIONED

Talent  
Ability

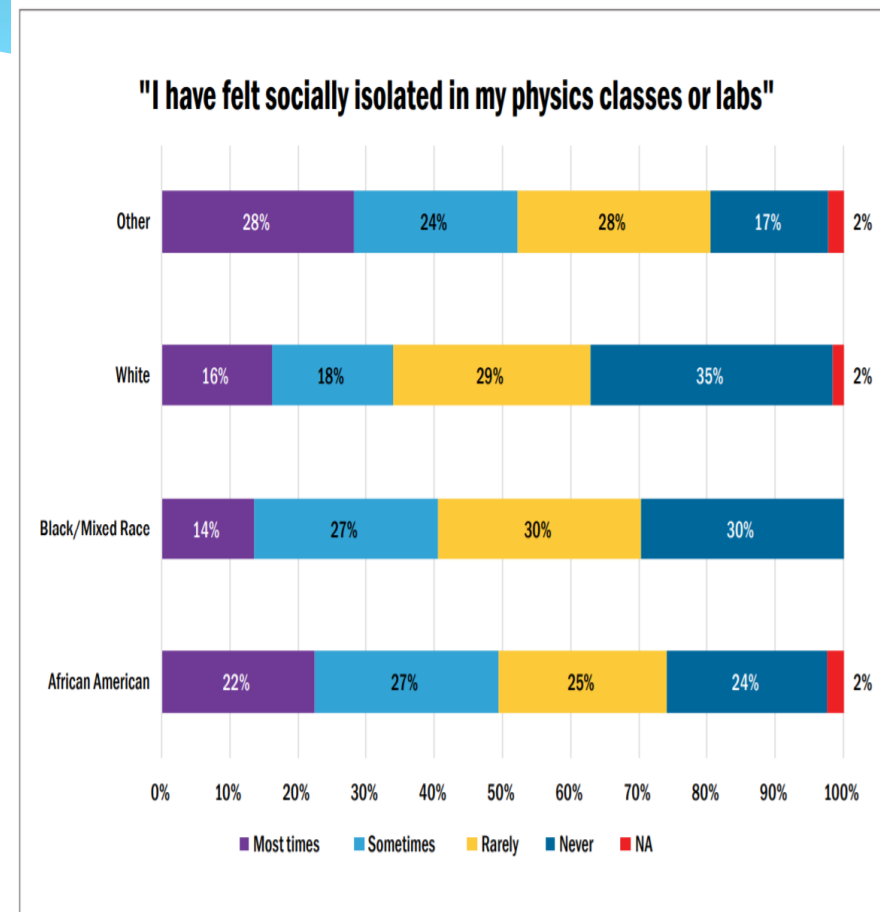


Figure 5: Students' sense of isolation in physics classes or labs by race

Source: TEAM-UP student survey Caption: Students' sense of isolation in physics classes or labs by race.



# Action Items?

## Key Factors in success

- Mentors
- Belonging
- Pipeline

## Where can these be found?

- APS Bridge Program
- Summer Bridge



# What is a bridge program?

What does it provide?

- Mentorship
- Accountability
- Research Opportunity
- Funding

Who is its target audience?

- Bachelor's Degree
- Desire to pursue PhD



# If it exists...?

Why isn't the situation improving?  
3-5 year Graduation Cycle  
Encourage additional applicants



# How to get more applicants?

- Knowledge of the program
- Early Mentorship
- Belonging
- Partnership



# Questions?

Thank you for the opportunity to serve this summer!!!

SPS Programs  
APS Programs  
Brián Clash

APS Minorities Programs

<https://aps.org/programs/minorities/index.cfm>

AIP Team-UP report

<https://www.aip.org/sites/default/files/aipcorp/files/teamup-full-report.pdf>

