



Diversity & Inclusion Broader Impacts

Increasing Diversity

New fellows

Increase diversity of center teachers & their students:

- **4 needs assessments, post-COVID**
- **Lead teacher virtual institute – Spring 2021**

STEAM



Wood, Cecire, LaMee, Pasero, Roudebush, 2020 Ad Board Meeting



Helping Develop America's Technological Workforce

Diversity & Inclusion Broader Impacts

STEP UP

8 STEP UP Ambassador QuarkNet “Fellows”

Virtual STEP UP Fellows workshop in May

5 Virtual STEP UP workshops – 35 QuarkNet teachers



Wood, Cecire, LaMee, Pasero, Roudebush, 2020 Ad Board Meeting



Diversity & Inclusion Broader Impacts

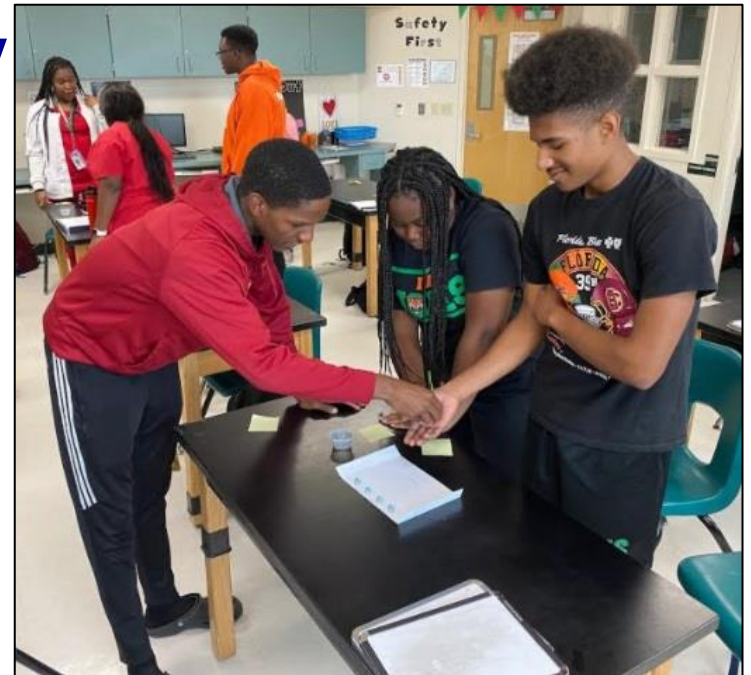
Professional Meetings

AAPT

- Deborah, Ken & Shane attend regularly.
- Committee on Contemporary Physics
- Pre-AAPT workshop

APS

- Ken attends April meeting.
- Focus: Masterclasses





Diversity & Inclusion Broader Impacts

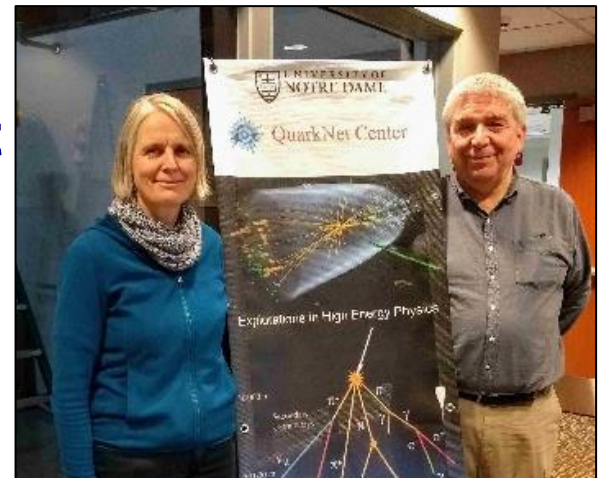
International Masterclasses

TU Dresden & QuarkNet coordinate IMC under IPPOG:

- Normally **~13,000** students, **~50** countries
- COVID changed 2020; challenges expected in 2021

QuarkNet responsibilities:

- CMS & Neutrino MC development
- Fermilab videoconferences
- World Wide Data Day
- BAMC/BAMA





Diversity & Inclusion Broader Impacts

International Outreach

Workshops & Ongoing Work:

- East Asia (4)
- IPPOG – IMC, more (1+1 virtual)
- India – IMC, QN India (1)
- African School of Physics (1 virtual)

Funding: Notre Dame International, QuarkNet, India



Helping Develop America's Technological Workforce

Diversity, Inclusion & Broader Impacts

Why International Outreach?

Benefits our teachers and students:

- **Bring closer to particle physics culture.**
- **Build professionalism.**

QuarkNet is a good:

- **Program – Spread our model.**
- **Collaborator**

