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# Diversity & Broader Impacts

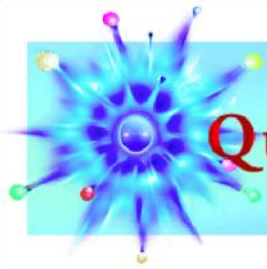
## Outreach Activities

Pre-AAPT Winter Meeting workshops - partnering with AAPT - **3** so far including Portland, OR in 2023

Future “Needs Assessment” workshops

STEP UP connections





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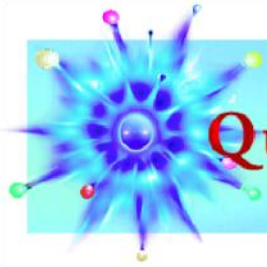
# **Diversity & Broader Impacts**

**Virtual Space Messengers Workshop (Early 2022)**

**In-person Space Messengers Follow-up (April 2022)**

**Outreach activities already happening at centers**





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## **International Outreach**

### **International Masterclasses**

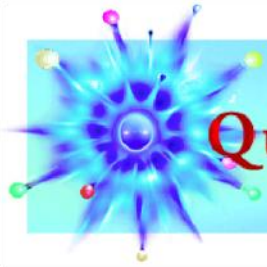
- **Central Coordination (Ken, with Uta Bilow, TU Dresden)**
- **CMS masterclass**
- **Fermilab videoconferences**
- **“off-shell”**

### **Global Cosmics**

- **Service to detectors and e-Lab worldwide**
- **Participation with other CR initiatives**

### **IPPOG**

- **U.S. Representative (Spencer)**



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## International Outreach African School of Fundamental Physics and Applications (ASP)

- Nov 28-Dec 9, South Africa
- Teacher Program, **60** participants
- Learner Program, **~400** participants
- Cosmic Ray and Masterclass sessions for university students

