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# Potential Broader Impacts EEEMCAL

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# Broader Impacts

- Do not need to be a separate “add on” to the research program → emphasize those aspects that lend themselves to “broader impact”
  - Can we couple with the larger EIC program?
- We do not need to do all things → better to concentrate on a few and do well
  - Actions which reach a larger group of people are better (ex. training teachers vs training students)
- It is a LRP year, with DEI in the charge – align with statements being made there

# Broader Impacts

- I think we can put potential activities into 4 categories
  - Broadening participation in STEM
  - Education
  - Outreach
  - Technology
- Identify objects with broad community support
- Anyone have a NSF REU site grant? (Makes for a good partnership)

# Broadening Participation

- First note demographics of the project leadership
  - We can pledge to hire (and mentor) a diverse group of post-docs/students
  - Mention National Lab connection
  - Near peer mentorship
- Summer student participation
  - Undergraduates: Summer stipends ~\$6k or so, for little cost can have a nice program and workers

# Education+Outreach

- Educating the public/physicists
  - EIC specific outreach - BNL/JLAB tours?
  - Public talks/colloquia
- Educating the workforce
  - Note the opportunity to work with modern tools and be affiliated with the national lab system
- Work at the Human-Technology Frontier: Shaping the Future (Big Idea)
- Dedicated workshop?

# Technology

- SiPM development
- Sci-Glass
- Any algorithms (Machine Learning?)
- Anything that will help design the next generation of experiments
- Data “Harnessing the Data Revolution” (Big Idea)