

Outreach

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- Outreach possibilities
- Examples (tentative ideas from UCLC participants)

Outreach possibilities

Outreach activities can be directed toward—

- K-12 students
- K-12 teachers
- undergraduate students
- the general public
- the media
- government

How specific to the LC should these activities be?

Depends on the group, but some connection to the science or technology of the LC can generally be drawn.

Outreach possibilities

Educating science teachers about the process, content, and teaching of science:

- research appointments
- in-service training
- workshops
- ...
- **follow-up** is needed!
- successful example: QuarkNet (<http://quarknet.fnal.gov/information.shtml>)

Outreach to minority and rural-poor populations (NSF target groups):

- after-school enrichment programs
- classroom presentations
- field trips/tours of research facilities
- ...

Outreach possibilities

- Media awareness of science/particle physics/LC
- Web pages for general public on LC (beware duplication)
- UCLC could decide to pool resources to fund an outreach coordinator position
- ...

See compilation “Particle Physics Education and Outreach 2001” for more ideas. (<http://www-ed.fnal.gov/hep/home.html>)

Examples (tentative ideas)

Sekazi Mtingwa, MIT/North Carolina A&T:

- Talk to Congressional Black Caucus about LC.
- Talk at an elementary school and a high school each year about science/particle physics/LC.
- Involve Historically Black Colleges and Universities (HBCUs) in LC R&D.

Cornell Laboratory of Elementary Particle Physics:

- Support and supervise undergraduate R&D for LC.
- Workshops to educate teachers about the process, content, and teaching of particle physics.
- Talks at area elementary and high schools about science/particle physics, especially those with rural-poor populations.
- Host tours of the laboratory by elementary and high school groups.